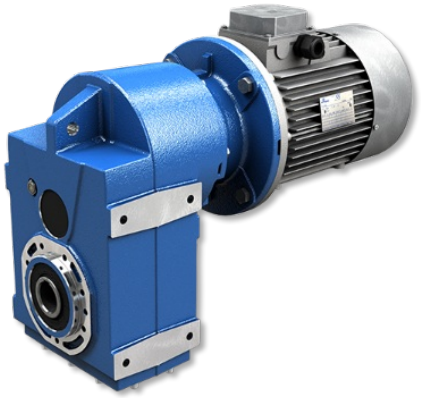
TECHNICAL CATALOGUE

S SERIES



SHAFT**MOUNTED** GEARED**MOTORS**

STANDARD **IEC**

DIRECTIVE **ATEX** Ex

MOTOVARIO®

HEART OF MOTION

a TECO Group company

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2. PRODUCT INFORMATION

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1.1 ATEX

ATEX Certification

The gear reducers described in this catalogue, defined as “ATEX”, were designed and manufactured in compliance with: Directive **ATEX 94/9/CE.**
If used by following the instructions set forth in the INSTALLATION AND USE INSTRUCTIONS Atex Manual (provided as an attachment to the supplied products), ATEX MOTOVARIO gear reducers can be used in one of the following environments:

Group II
Category 2G and 2D
Zone 1/21 for gases and dusts (gas group IIB) with the following protection methods:
Protection against ignition:
EN13463-5 (c) constructional safety
EN13463-8 (k) liquid immersion

Group II
Category 3G and 3D
Zone 2/22 for gases and dusts
Protection against ignition:
EN13463-5 (c) constructional safety

The room temperature envisaged for the application must range between -20 and + 40 °C (*).
The products certified for use in Zone 1/21 can be used also in Zone 2/22. To identify the environment inside which the Atex certification of the special gear reducer is limited, refer to Atex Performance Tables.

The classified units are manufactured and marked to comply with the provisions of Directive **ATEX 94/9/CE**.

UNINTENDED USE
It is strictly forbidden to use the gear reducer:

- inside an area with equipment category I (mines likely to become endangered by firedamp);
- inside an Area classified as more severe than specified on product label;
- at a room temperature not falling within the specified limits (*);
- under conditions (P1, n1, M2) that, even individually, exceed the values specified inside Atex Performance Tables.

1.2 SYMBOLS AND FORMULAS

1.2.1 Symbols

		Input	Output
P	Power (kW)	P1	P2
Pr	Requested power (kW)	Pr1	Pr2
Pn	Nominal power (kW)	Pn1	Pn2
M	Torque (Nm)	M1	M2
Mn	Nominal torque (Nm)		Mn_2
Mr	Requested torque (Nm)	Mr1	Mr2
n	Speed (RPM)	n1	n2
F	Load (N)		
Fr	Radial load (N)	Fr1	Fr2
Fa	Radial axial (N)	Fa1	Fa2
i	Reduction ratio		
ηd	Dynamic efficiency		
f.s.	Service factor		
s	Static		
d	Dynamic		
c	Calculated		
max	Maximum		
min	Minimum		

1.2 SYMBOLS AND FORMULAS

1.2.2 Formulas

REDUCER		
Starting or stopping time	$t = v / a$	[s]
Velocity in rotary motion	$v = \pi * d * n / 60$ $v = w * r$	[m/s]
Speed velocity Angular velocity	$n = 60 * v / (\pi * d)$ $\omega = v / r$	[min-1] o [rpm] [rad/s]
Acceleration or deceleration according to a starting / stopping time	$a = v / t$	[m/s^2]
Angular acceleration	$\alpha = n / (9{,}55 * t)$ $\alpha = \omega / t$	[rad/s^2]
Starting or stopping distance (according to acceleration / deceleration or angular velocity)	$s = a * t^2 / 2$ $s = v * t / 2$	[m]
Horizontal translation force	$F = \mu * m * g$	[N]
Vertical translation force (lifting)	$F = m * g$	
Inclined plane translation force	$F = m * g (\mu * \cos\beta + \text{sen}\beta)$	
m= mass [kg]; g= gravity acceleration [m/s^2]; μ= friction coefficent; β= angle of inclination		
Moment of inertia	$J = m * v^2 / \omega^2$	[kgm^2]
Torque	$M = F * d / 2$ $M = J * \omega / t$	[Nm]

MOTOR and GEARMOTOR		
Starting time	ta= (Jext+Jm)*nn/9,55+(Ms-Mr)	[s]
Braking time	ts= (Jext+Jm)*nn/9,55+(Ms+Mr)	[s]
Motor rotation angle during starting	$\varphi = n_n * ta / 19{,}1$	[rad]
Motor rotation angle during braking	$\varphi = n_n * ts / 19{,}1$	[rad]
Power available at the shaft of single phase motor	$P = V * I * \eta * \cos\omega$	[W]
Power available at the shaft of three phase motor	$P = 1{,}73 * V * I * \eta * \cos\omega$	[W]

RUNNING at 60Hz		
Speed velocity at 60Hz	$n_{60Hz} = 1{,}2 * n_{50Hz}$	[rpm]
Power at 60Hz	$P1_{60Hz} = P1_{50Hz} * V_{60Hz}/V_{50Hz}$	[kW]
If input voltage at 60 Hz (V_{60Hz}) corresponds to winding voltage at 50 Hz (V_{50Hz}), power doesn't change $P1_{60Hz} = P1_{50Hz}$		
If input voltage at 60 Hz (V_{60Hz}) is 20% higher than winding voltage at 50 Hz (V_{50Hz}), power increases by 20% $P1_{60Hz} = 1{,}2\ P1_{50Hz}$		
Torque at 60Hz	$M_{60hz} = M_{50Hz} * P1_{60Hz} / (1{,}2 * P1_{50Hz})$	[Nm]
Service factor at 60Hz	$f.s._{60Hz} = f.s._{50Hz} * 1{,}175 * P1_{50Hz} / P1_{60Hz}$	-

1.3 PRODUCT SELECTION

For correctly selecting a gear reducer or geared motor, several essential pieces of data are required:

1. The rotational input speed to the gear reducer **(n1)** and the rotational output speed **(n2).**

Through these two values it is possible to calculate the reduction ratio **(i)** of the gear reducer using the following formula: **i=n1/n2**

2. The torque required by the application **(Mr2)**.

The geared motor or gear reducer can be selected once this data is known.

This guide helps you to select the right product in just a few steps:

Geared motor selection

1. Determine the application's actual service factor **(s.f.)**. This parameter depends on the type of load of the powered machine, the number of starts per hour and the hours of operation (refer to the "Service factor" paragraph)
2. Calculate the input power **Pr1** using the required torque value **Mr2**, the speed **n2** and dynamic efficiency value. **Pr1=(Mr2*n2)/(9550*ηd).** The dynamic efficiency value depends on the type of gear reducer and on the number of gear reduction stages. (To calculate the efficiency value see its page).
3. Consult the geared motor performance tables and identify a normalised power value **Pn1** exceeding the required power **Pr1**, such that: **Pn1≥Pr1**
4. Once the suitable nominal power has been identified, select the geared motor capable of generating the rotational speed closest to the desired n2 value and with service factor s.f. greater or equal to that required by the application.

For Atex product selection, use the service factor "f.s.Atex".

In the geared motor selection tables the combinations include 2-pole, 4-pole and 6-pole motors powered at 50Hz; for different drive speeds refer to the nominal data provided for the gear reducers.

Gear reducer selection

1. Determine the application's service factor **(s.f.)** (consult to the "Service factor" paragraph on its page) .
2. Calculate the reduction ratio i from the requested output speed **n2** and from the input speed **n1. i=n1/n2**
3. Calculate the torque **Mc2** for selecting the gear reducer through the torque required by the application **Mr2** and the service factor s.f.: **Mc2=Mr2*(f.s.)**
4. Consult the Gear Reducer Performance tables looking for the reducer that, with the reduction ratio closer to the calculated one, has a nominal torque **M2** so that: **M2≥Mc2**

For Atex product Selection, refer to Atex Gear Reducer Performance tables.

Checks
Once the gear reducer or geared motor has been selected, the following checks should be performed:

A. **Thermal power**

The gear reducer's thermal power must be equal to or greater than the installed mechanical power, or the power required by the application according to the indications contained in the section (refer to the "Thermal power" paragraph).

B. **Maximum torque**

1.3 PRODUCT SELECTION

Generally, the maximum torque (peak instantaneous load) that can be applied to the gear reducer must not exceed 200% of the nominal torque M2 (ATEX - M2max).

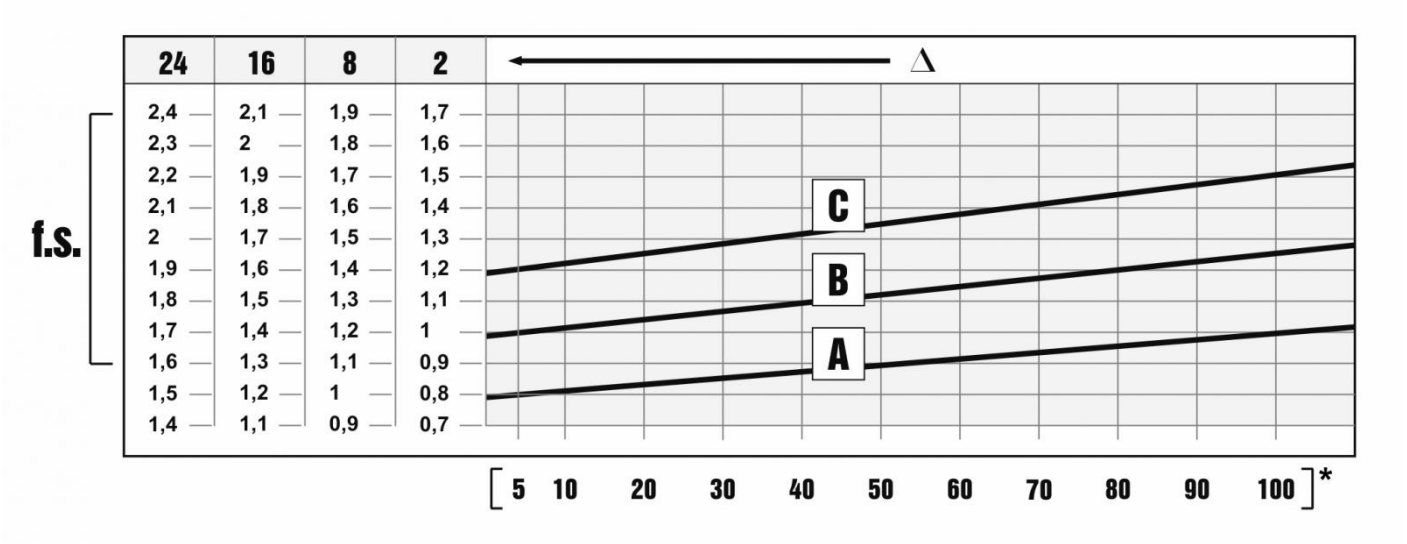
C. **Radial loads**

1. Verify that the radial loads acting on the input and/or output shafts are within with the values indicated in the catalogue. If they exceed these values, increase the size of the gear reducer or modify the external load capacity. During the checking phase, it is important to remember that the values indicated in the catalogue refer to loads acting on the mid-point of the shaft protrusion, therefore, if the load is applied to a different position, appropriate formulas must be used to calculate the admissible load in the desired position (refer to the “Radial loads” paragraph).
2. If accessory output shafts are present, make sure that the applied load is compatible with shaft size. If help is needed: contact MOTOVARIO TECHNICAL SERVICE.

D. If an electric motor is going to be fitted to the selected gear reducer, check for its applicability by referring to the configuration table (see paragraph “Configurations”).

(Atex version, only) Consult catalogue to make sure that Version, Mounting and Accessories meet Atex certification requirements.

1.4 SERVICE FACTOR



The service factor (f.s.) depends on the operating conditions the gear reducer is subjected to.
The parameters that need to be taken into consideration to select the most adequate service factor correctly comprise:

- type of load of the operated machine : A - B - C
- length of daily operating time: hours/day (Δ)
- start-up frequency: starts/hour (*)

LOAD:

- **A** - uniform = fa ≤ 0,3
- **B** - moderate shocks = fa ≤ 3
- **C** - heavy shocks = fa ≤ 10

fa = Je/Jm

- Je (kgm^2) moment of reduced external inertia at the drive-shaft
- Jm (kgm^2) moment of inertia of motor

If fa > 10 call our Technical Service.

A. Screw feeders for light materials, fans, assembly lines, conveyor belts for light materials, small mixers, lifts, cleaning machines, fillers, control machines.
B. Winding devices, woodworking machine feeders, goods lifts, balancers, threading machines, medium mixers, conveyor belts for heavy materials, winches, sliding doors, fertilizer scrapers, packing machines, concrete mixers, crane mechanisms, milling cutters, folding machines, gear pumps.
C. Mixers for heavy materials, shears, presses, centrifuges, rotating supports, winches and lifts for heavy materials, grinding lathes, stone mills, bucket elevators, drilling machines, hammer mills, cam presses, folding machines, turntables, tumbling barrels, vibrators, shredders.

1.5 INSTALLATION

To install the gear reducer it is necessary to note the following recommendations:

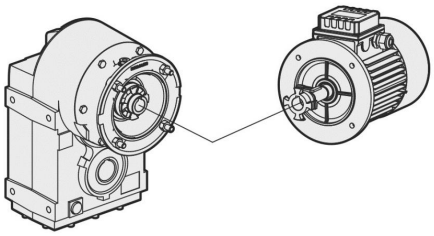
- Check the correct direction of rotation of the gear reducer output shaft before fitting the unit to the machine.
- In the case of particularly lengthy periods of storage (4/6 months), if the oil seal is not immersed in the lubricant inside the unit, it is recommended to change it since the rubber could stick to the shaft or may even have lost the elasticity it needs to function properly.
- Whenever possible, protect the gear reducer against solar radiation and bad weather.
- Ensure the motor cools correctly by ensuring good passage of air from the fan side.
- In the case of ambient temperatures < -5°C or > +40°C call the Technical Service.
- The various parts (pulleys, gear wheels, couplings, shafts, etc.) must be mounted on the solid or hollow shafts using special threaded holes or other systems that anyhow ensure correct operation without risking damage to the bearings or external parts of the units. Lubricate the surfaces in contact to avoid seizure or oxidation.
- Painting must definitely not go over rubber parts and the holes on the breather plugs, if any.
- For units equipped with oil plugs, replace the closed plug used for shipping with the special breather plug.
- Check the correct level of the lubricant through the indicator, if there is one.
- Starting must take place gradually, without immediately applying the maximum load.
- When there are parts, objects or materials under the motor drive that can be damaged by even limited spillage of oil, special protection should be fitted.

Assembling motor on pam flange

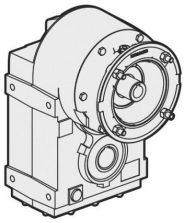
When the unit is supplied without motor, it is necessary to follow these recommendation to ensure the correct assembly of the electric motor. Check that the tolerances for the motor shaft and flange correspond to the “standard”. Carefully clean the shaft, spigot and surfaces of the flange removing traces of paint and dirt, and confirm the key is fitted correctly. Fit the half coupling/sleeve to the motor shaft (see picture) taking care to ensure the motor shaft and bearings are not damaged by avoiding excessive force and where necessary using assembly equipment. Place the couplings elastic element onto the motor half coupling and position the motor up to the gear unit ensuring the coupling element is aligned with the driven half coupling. Complete the assembly using the fixing bolts.
Key-ways with tightened tolerances.

In case of Atex units, fit gasket (to be requested to MOTOVARIO SpA) between PAM flange and motor.

Flexible joint



PAM Sleeve



2.1 DESIGN FEATURES

Motovario products are supplied with the following surface treatment features:

Die-cast aluminium alloy cases for gears
Die-cast materials undergo the following surface cleaning operations:

- De-burring by means of a mechanically operated shearing system.
- Accurate shot-peening.
- Painting.
- Washing and passivation.

Grey-coloured cast-iron cases for gears

- Die-cast materials are always painted.

Painting specifications:

- Orange-peel blue epoxy-polyester RAL 5010. Polyester resin based heat-hardening powders, altered with epoxy resins.

Mechanical properties

- Tests carried out onto degreased Unichim white lattens (film thickness: 60 microns) comply with the following specifications: adherence (ISO2409).

Heat resistance

- 24 HOURS AT 150°C.

Corrosion strength

- ASTM B 117/97 salt fog from 100 to 500 hours depending on the support's preliminary treatment.

Performance:

- Loading capacity in accordance with DIN 3990, ISO 6336, AGMA 2101, ISO 10300, DIN 3991, ISO 281, DIN 743.

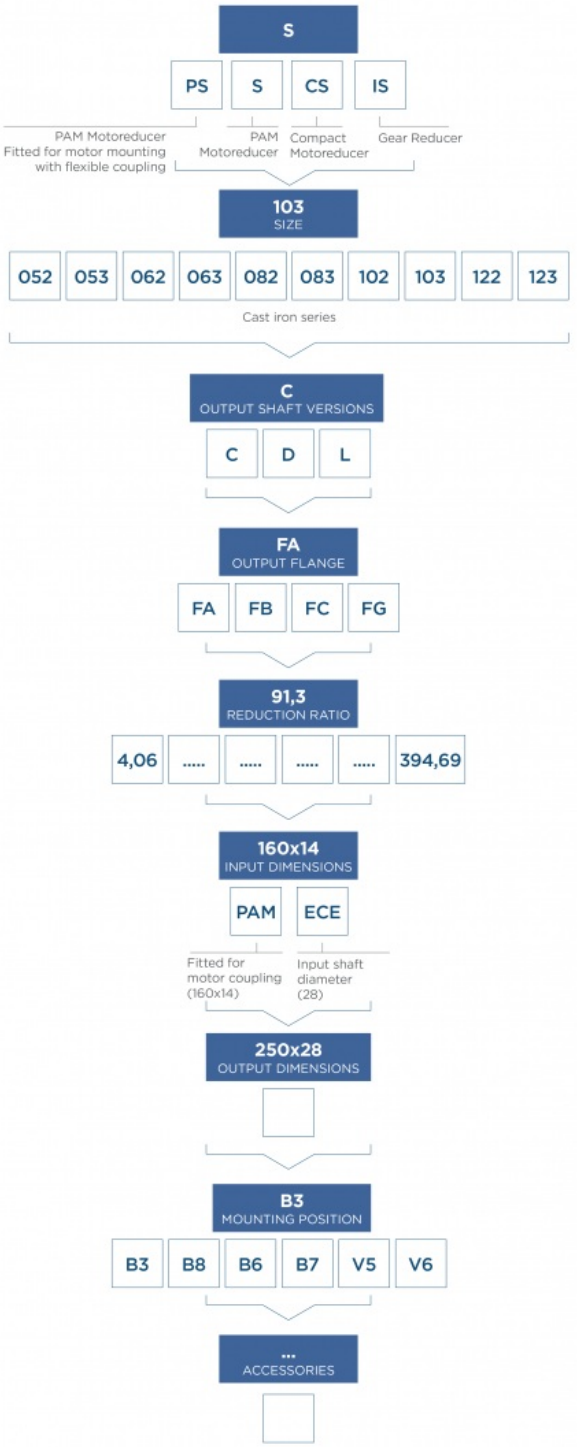
Dynamic efficiency ηd:

- The operating efficiency is the ratio between the output power P2 and the power absorbed by thegear reducer P1: **ηd=P2/P1.**

S-range shaft-mounted reducers have an average value equal to:
S..2 stages = 0,96
S..3 stages = 0,94

2.2 TYPOLOGY

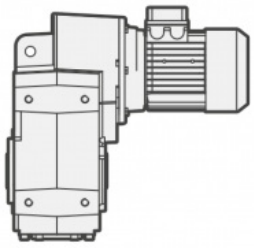
2.2.1 Designation

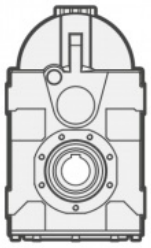


2.2.2 Versions

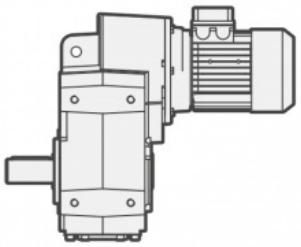
S... C - S... D - S... L

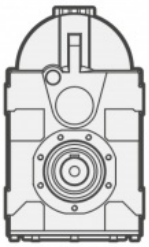
S.. C FOOT-FLANGE MOUNTING / HOLLOW SHAFT



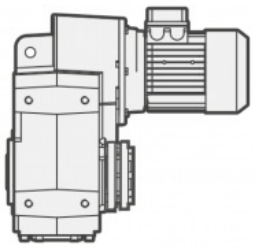


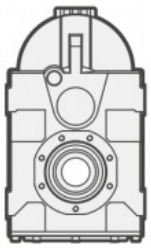
S.. D FOOT-FLANGE MOUNTING / D SOLID SHAFT





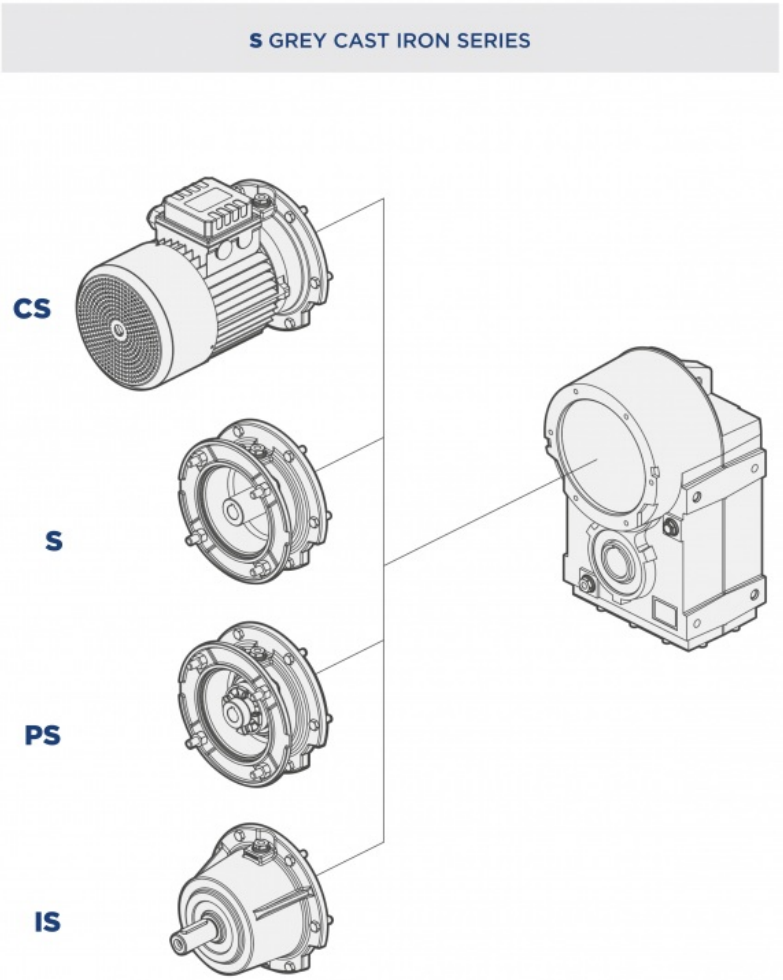
S.. L FOOT-FLANGE MOUNTING / SHRINK DISC SHAFT





ATEX GEAR REDUCERS
SL VERSION IS AVAILABLE FOR 3G/3D CERTIFICATION ONLY

2.2.3 Modularity



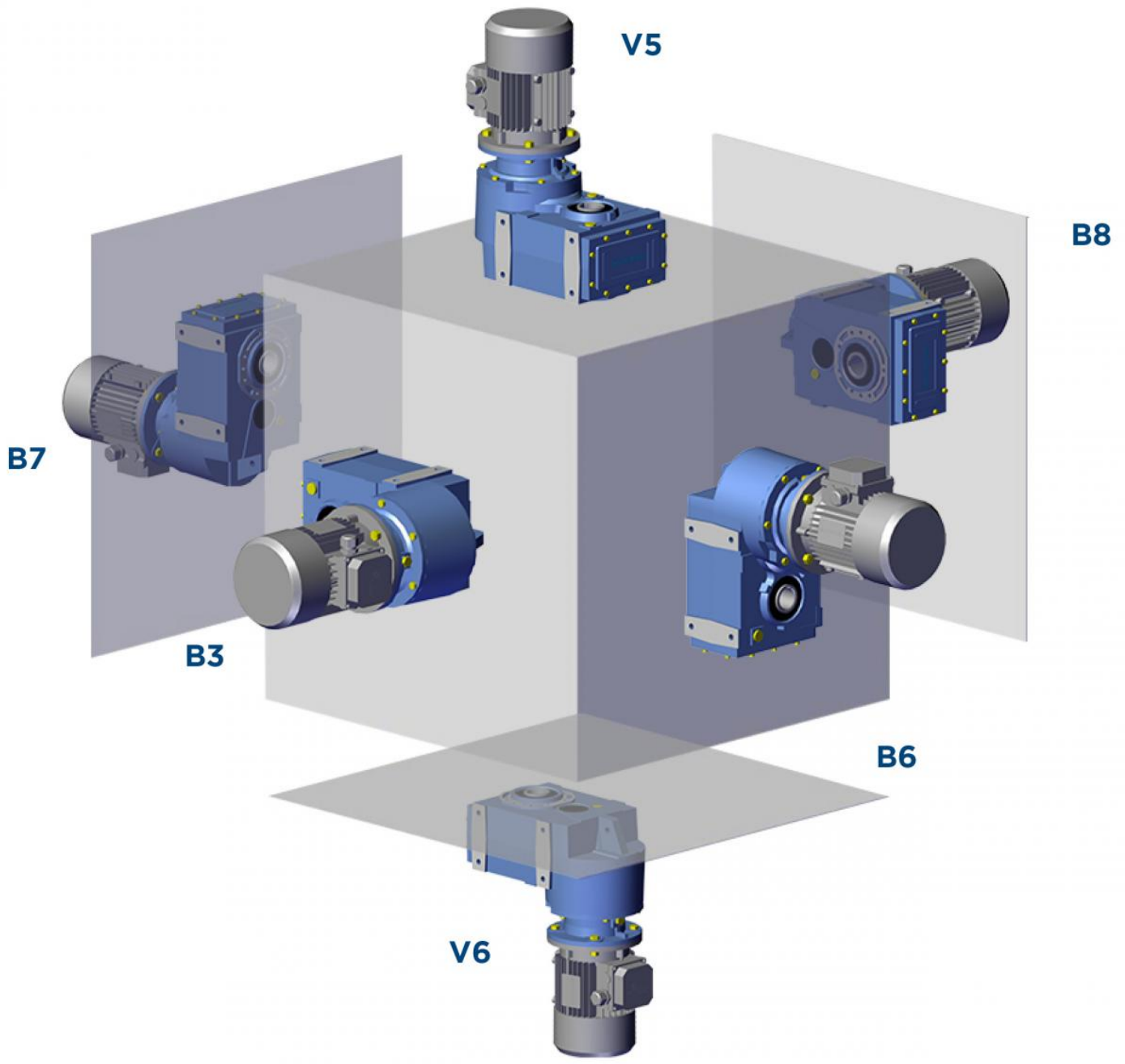
CS
Compact electric motor versions

S
Fitted for motor coupling version (PAM)

PS
Fitted for motor mounting with flexible coupling

IS
Input shaft versions

2.3 MOUNTING POSITIONS



2.4 THERMAL POWER

2.4.1 Informations

The table below lists the nominal thermal power values expressed in kW, in the following reference conditions:

- mounting position B3
- continuous operation at input speed <= 1,500 rpm
- ambient temperature 25°C
- sea level altitude
- air speed near the gear reducer >=1m/s
- absence of external radial and/or axial loads

1500rpm	
	Pth [kW]
S052	7
S062	9,5
S082	15,5
S102	20,5
S122	34,5

Applying a power level not exceeding Pth, at the above, mentioned reference conditions, guarantees the correct lubrication and efficient operation of the gear reducer.

NOTE: checking the thermal power of gear reducer versions with three reduction stages is unnecessary, as the thermal thresholds are not reached.

2.4.2 Check

Application check

Except for continuous operating times below two (2) hours and successive pauses capable of bringing the gear reducer back to ambient temperature, for each application it is advisable to verify the gear reducer's thermal limit according to the following formula: **Pm < Pth * Fc * Fv*Fa,** where:

- Pm = input power to the gear reducer at 1400 rpm (4-pole motors)
- Pth = thermal power at the reference conditions (see above table)
- Fc = ambient and operating temperature correction factor
- Fv = ventilation correction factor
- Fa = altitude correction factor

The correction factors (Fc) refer to different operating conditions compared to the reference conditions, and are provided by the following ISO14179 tables:

		Duty per hour of operation %				
	Fc	100	80	70	40	20
Ambient temperature °C	10	1,15	1,21	1,32	1,55	2,07
	18	1,07	1,12	1,23	1,44	1,93
	25	1,00	1,05	1,15	1,35	1,80
	30	0,93	0,98	1,07	1,26	1,67
	40	0,83	0,87	0,95	1,12	1,49
	43	0,75	0,79	0,86	1,01	1,35
	50	0,67	0,70	0,77	0,90	1,21

Ventilation correction factor	Fv
Stagnant air (<0,5 m/s)	0.75
Indoor installation with slight ventilation	1
Indoor installation with good ventilation (>1,4 m/s)	1.4
Installazione all'aperto (>3,7 m/s)	1.9

Altitude correction factor (m)	Fa
0*	1
750	0,95
1500	0,9
2250	0,85
3000	0,81

* Sea level

In case of operation at input speeds exceeding 2000 rpm, or ambient temperatures greater than 40°C, it is advisable to contact out technical department.

2.5 CRITICAL APPLICATIONS

2.5.1 Critical applications

S	050	060	080	100	125
2000 < n1 < 3000	✔	✔	✔	B	B
V6	B	B	B	B	B
n1 > 3000	B	B	B	A	A
...L : V5 - V6	B	B	B	B	B
(*) ...L	B	B	B	B	B

✔ Verified application

A. Application not recommended
B. Check the application and/or call our technical service

(*) The shrink disc is designed only to transmit the output torque.
In case of mounting position with radial and/or axial loads, please contact the technical support.

2.5.2 Informations

The performance given in the catalogue correspond to mounting position B3 or similar, when the first stage is not entirely immersed in oil. For other mounting positions and/or particular input speeds, refer to the tables that highlight different critical situations for each size of gear reducer. It is also necessary to take due consideration of and carefully assess the following applications by calling our Technical Service:

- To avoid the use as multiplier.
- Use in services that could be hazardous for people if the gear reducer fails.
- Applications with especially high inertia.
- Use as a lifting winch.
- Applications with high dynamic strain on the case of the gear reducer.
- In places with T° under -5°C or over 40°C.
- Use in chemically aggressive environments.
- Use in a salty environment.
- Mounting positions not envisaged in the catalogue.
- Use in radioactive environments.
- Use in environments pressures other than atmospheric pressure.

Avoid applications where even partial immersion of the reducer is required.
The maximum torque (*) that the reducer can support must not exceed two times the nominal torque (f.s.=1) stated in the performance tables.
(*) intended for momentary overloads due to starting at full load, braking, shocks or other causes, particularly those that are dynamic.

2.6 PREDISPOSITION

B11 = Compact electric motor versions.
These tables report all possible dimensions. Please verify service factor.
For motor size 063 the PB version does not exist.

NOTE Atex geared motors (versions with compact electric motor B11): available for 3G/3D certification, only.

CS - S - PS 052				
i	**071**	**080**	**090**	**100-112**
8,63	B5-B11	B5-B11	B5-B11	B5-B11
11,14	B5-B11	B5-B11	B5-B11	B5-B11
12,00	B5-B11	B5-B11	B5-B11	B5-B11
13,66	B5-B11	B5-B11	B5-B11	B5-B11
15,27	B5-B11	B5-B11	B5-B11	B5-B11
16,29	B5-B11	B5-B11	B5-B11	B5-B11
18,63	B5-B11	B5-B11	B5-B11	B5-B11
19,73	B5-B11	B5-B11	B5-B11	B5-B11
21,04	B5-B11	B5-B11	B5-B11	B5-B11
21,53	B5-B11	B5-B11	B5-B11	B5-B11
24,07	B5-B11	B5-B11	B5-B11	B5-B11
25,20	B5-B11	B5-B11	B5-B11	B5-B11
25,79	B5-B11	B5-B11	B5-B11	B5-B11
27,81	B5-B11	B5-B11	B5-B11	B5-B11
30,00	B5-B11	B5-B11	B5-B11	
32,55	B5-B11	B5-B11	B5-B11	B5-B11
33,00	B5-B11	B5-B11	B5-B11	
34,09	B5-B11	B5-B11	B5-B11	B5-B11
36,55	B5-B11	B5-B11	B5-B11	
38,75	B5-B11	B5-B11	B5-B11	
39,90	B5-B11	B5-B11	B5-B11	B5-B11
42,63	B5-B11	B5-B11	B5-B11	
46,00	B5-B11	B5-B11	B5-B11	
47,20	B5-B11	B5-B11	B5-B11	
52,25	B5-B11	B5-B11	B5-B11	
57,86	B5-B11	B5-B11	B5-B11	
59,42	B5-B11	B5-B11	B5-B11	
72,83	B5-B11	B5-B11	B5-B11	

2.6 PREDISPOSITION

CS - S - PS 053				
i	063	071	080	090
36,50	B5-B11	B5-B11	B5-B11	B5-B11
47,14	B5-B11	B5-B11	B5-B11	B5-B11
57,79	B5-B11	B5-B11	B5-B11	B5-B11
63,74	B5-B11	B5-B11	B5-B11	B5-B11
78,14	B5-B11	B5-B11	B5-B11	B5-B11
74,20	B5-B11	B5-B11	B5-B11	B5-B11
95,84	B5-B11	B5-B11	B5-B11	B5-B11
117,48	B5-B11	B5-B11	B5-B11	B5-B11
137,45	B5-B11	B5-B11	B5-B11	B5-B11
177,55	B5-B11	B5-B11	B5-B11	B5-B11
198,45	B5-B11	B5-B11	B5-B11	
217,64	B5-B11	B5-B11	B5-B11	B5-B11
256,33	B5-B11	B5-B11	B5-B11	
314,21	B5-B11	B5-B11	B5-B11	

2.6 PREDISPOSITION

CS - S - PS 062				
i	**071**	**080**	**090**	**100-112**
8,00		B5-B11	B5-B11	B5-B11
8,92		B5-B11	B5-B11	B5-B11
9,55		B5-B11	B5-B11	B5-B11
10,65		B5-B11	B5-B11	B5-B11
11,71		B5-B11	B5-B11	B5-B11
13,06		B5-B11	B5-B11	B5-B11
13,36		B5-B11	B5-B11	B5-B11
15,94		B5-B11	B5-B11	B5-B11
16,16		B5-B11	B5-B11	B5-B11
19,29		B5-B11	B5-B11	B5-B11
19,55		B5-B11	B5-B11	B5-B11
23,18	B5-B11	B5-B11	B5-B11	B5-B11
23,75	B5-B11	B5-B11	B5-B11	B5-B11
25,14	B5-B11	B5-B11	B5-B11	B5-B11
27,66	B5-B11	B5-B11	B5-B11	B5-B11
30,00	B5-B11	B5-B11	B5-B11	B5-B11
33,93	B5-B11	B5-B11	B5-B11	B5-B11
36,57	B5-B11	B5-B11	B5-B11	B5-B11
39,38	B5-B11	B5-B11	B5-B11	B5-B11
43,64	B5-B11	B5-B11	B5-B11	B5-B11
46,10	B5-B11	B5-B11	B5-B11	
48,30	B5-B11	B5-B11	B5-B11	B5-B11
53,53	B5-B11	B5-B11	B5-B11	B5-B11
55,00	B5-B11	B5-B11	B5-B11	
67,47	B5-B11	B5-B11	B5-B11	

2.6 PREDISPOSITION

CS - S - PS 063			
i	071	080	090
33,57	B5-B11	B5-B11	B5-B11
37,77	B5-B11	B5-B11	B5-B11
40,05	B5-B11	B5-B11	B5-B11
49,13	B5-B11	B5-B11	B5-B11
55,29	B5-B11	B5-B11	B5-B11
58,72	B5-B11	B5-B11	B5-B11
65,85	B5-B11	B5-B11	B5-B11
68,25	B5-B11	B5-B11	B5-B11
73,63	B5-B11	B5-B11	B5-B11
81,43	B5-B11	B5-B11	B5-B11
99,89	B5-B11	B5-B11	B5-B11
126,43	B5-B11	B5-B11	B5-B11
150,85	B5-B11	B5-B11	B5-B11
182,53	B5-B11	B5-B11	B5-B11
185,05	B5-B11	B5-B11	B5-B11
217,79	B5-B11		
267,16	B5-B11		

2.6 PREDISPOSITION

CS - S - PS 082				
i	**080**	**090**	**100-112**	**132**
7,34	B5-B11	B5-B11	B5-B11	B5-B11
8,06	B5-B11	B5-B11	B5-B11	B5-B11
9,94	B5-B11	B5-B11	B5-B11	B5-B11
11,61	B5-B11	B5-B11	B5-B11	B5-B11
12,75	B5-B11	B5-B11	B5-B11	B5-B11
14,04	B5-B11	B5-B11	B5-B11	B5-B11
15,43	B5-B11	B5-B11	B5-B11	B5-B11
15,73	B5-B11	B5-B11	B5-B11	B5-B11
17,29	B5-B11	B5-B11	B5-B11	B5-B11
19,03	B5-B11	B5-B11	B5-B11	B5-B11
20,14	B5-B11	B5-B11	B5-B11	B5-B11
22,13	B5-B11	B5-B11	B5-B11	B5-B11
24,00	B5-B11	B5-B11	B5-B11	B5-B11
26,05	B5-B11	B5-B11	B5-B11	B5-B11
27,29	B5-B11	B5-B11	B5-B11	B5-B11
28,67	B5-B11	B5-B11	B5-B11	B5-B11
29,60	B5-B11	B5-B11	B5-B11	B5-B11
31,78	B5-B11	B5-B11	B5-B11	B5-B11
34,91	B5-B11	B5-B11	B5-B11	B5-B11
35,50	B5-B11	B5-B11	B5-B11	
40,05	B5-B11	B5-B11	B5-B11	B5-B11
43,05	B5-B11	B5-B11	B5-B11	B5-B11
50,25	B5-B11	B5-B11	B5-B11	
54,27	B5-B11	B5-B11	B5-B11	
61,98	B5-B11	B5-B11	B5-B11	

2.6 PREDISPOSITION

CS - S - PS 083				
i	071	080	090	100-112
67,52		B5-B11	B5-B11	B5-B11
74,18		B5-B11	B5-B11	B5-B11
81,71		B5-B11	B5-B11	B5-B11
91,49		B5-B11	B5-B11	B5-B11
100,62		B5-B11	B5-B11	B5-B11
117,17	B5-B11	B5-B11	B5-B11	
128,73	B5-B11	B5-B11	B5-B11	
136,34	B5-B11	B5-B11	B5-B11	B5-B11
158,76	B5-B11	B5-B11	B5-B11	
184,88	B5-B11	B5-B11	B5-B11	
203,11	B5-B11	B5-B11	B5-B11	
205,34	B5-B11	B5-B11	B5-B11	B5-B11
226,04	B5-B11	B5-B11	B5-B11	B5-B11
250,50	B5-B11	B5-B11	B5-B11	
266,13	B5-B11	B5-B11	B5-B11	
292,36	B5-B11	B5-B11	B5-B11	
315,73	B5-B11	B5-B11	B5-B11	
360,58	B5-B11	B5-B11	B5-B11	

2.6 PREDISPOSITION

CS - S - PS 102					
i	080	090	100-112	132	160
8,06	B5-B11	B5-B11	B5-B11	B5-B11	B5
8,85	B5-B11	B5-B11	B5-B11	B5-B11	B5
10,88	B5-B11	B5-B11	B5-B11	B5-B11	B5
12,75	B5-B11	B5-B11	B5-B11	B5-B11	B5
13,99	B5-B11	B5-B11	B5-B11	B5-B11	B5
15,43	B5-B11	B5-B11	B5-B11	B5-B11	
17,21	B5-B11	B5-B11	B5-B11	B5-B11	B5
19,00	B5-B11	B5-B11	B5-B11	B5-B11	
20,83	B5-B11	B5-B11	B5-B11	B5-B11	
22,13	B5-B11	B5-B11	B5-B11	B5-B11	
24,28	B5-B11	B5-B11	B5-B11	B5-B11	
26,33	B5-B11	B5-B11	B5-B11	B5-B11	
29,87	B5-B11	B5-B11	B5-B11	B5-B11	
32,40	B5-B11	B5-B11	B5-B11	B5-B11	
34,91	B5-B11	B5-B11	B5-B11	B5-B11	
38,30	B5-B11	B5-B11	B5-B11	B5-B11	
42,53	B5-B11	B5-B11	B5-B11	B5-B11	
44,00	B5-B11	B5-B11	B5-B11		
47,13	B5-B11	B5-B11	B5-B11	B5-B11	
50,25	B5-B11	B5-B11	B5-B11		
55,14	B5-B11	B5-B11	B5-B11		
59,40	B5-B11	B5-B11	B5-B11		
67,84	B5-B11	B5-B11	B5-B11		

2.6 PREDISPOSITION

CS - S - PS 103				
i	**071**	**080**	**090**	**100-112**
74,18		B5-B11	B5-B11	B5-B11
81,39		B5-B11	B5-B11	B5-B11
89,77		B5-B11	B5-B11	B5-B11
100,15		B5-B11	B5-B11	B5-B11
110,55	B5-B11	B5-B11	B5-B11	B5-B11
121,29	B5-B11	B5-B11	B5-B11	B5-B11
128,73	B5-B11	B5-B11	B5-B11	B5-B11
141,24	B5-B11	B5-B11	B5-B11	B5-B11
173,78	B5-B11	B5-B11	B5-B11	B5-B11
188,51	B5-B11	B5-B11	B5-B11	B5-B11
203,11	B5-B11	B5-B11	B5-B11	B5-B11
222,85	B5-B11	B5-B11	B5-B11	B5-B11
224,76	B5-B11	B5-B11	B5-B11	B5-B11
274,20	B5-B11	B5-B11	B5-B11	B5-B11
280,89	B5-B11	B5-B11	B5-B11	
292,36	B5-B11	B5-B11	B5-B11	
320,79	B5-B11	B5-B11	B5-B11	
345,60	B5-B11	B5-B11	B5-B11	
394,69	B5-B11	B5-B11	B5-B11	

2.6 PREDISPOSITION

CS - S - PS 122							
i	**080**	**090**	**100-112**	**132**	**160**	**180**	**200**
8,48					B5	B5	B5
9,30					B5	B5	B5
10,24					B5	B5	B5
11,42					B5	B5	B5
12,63					B5	B5	B5
13,84					B5	B5	B5
16,99					B5	B5	B5
21,25			B5-B11	B5-B11	B5	B5	
22,37			B5-B11	B5-B11	B5	B5	
23,29			B5-B11	B5-B11	B5	B5	
26,15			B5-B11	B5-B11	B5	B5	
28,60			B5-B11	B5-B11	B5	B5	
30,51			B5-B11	B5-B11	B5	B5	
32,76			B5-B11	B5-B11	B5	B5	
33,44			B5-B11	B5-B11	B5	B5	
35,20			B5-B11	B5-B11	B5	B5	
41,07			B5-B11	B5-B11	B5	B5	
43,60	B5-B11	B5-B11	B5-B11	B5-B11			
44,63	B5-B11	B5-B11	B5-B11	B5-B11			
49,04	B5-B11	B5-B11	B5-B11	B5-B11			
53,75	B5-B11	B5-B11	B5-B11	B5-B11			
66,00	B5-B11	B5-B11	B5-B11	B5-B11			

2.6 PREDISPOSITION

CS - S - PS 123				
i	**080**	**090**	**100-112**	**132**
64,84			B5-B11	B5-B11
71,07			B5-B11	B5-B11
78,46			B5-B11	B5-B11
87,27			B5-B11	B5-B11
105,91			B5-B11	B5-B11
112,52	B5-B11	B5-B11	B5-B11	B5-B11
123,33	B5-B11	B5-B11	B5-B11	B5-B11
130,04	B5-B11	B5-B11	B5-B11	B5-B11
133,78	B5-B11	B5-B11	B5-B11	B5-B11
151,43	B5-B11	B5-B11	B5-B11	B5-B11
177,53	B5-B11	B5-B11	B5-B11	B5-B11
194,59	B5-B11	B5-B11	B5-B11	B5-B11
215,60	B5-B11	B5-B11	B5-B11	B5-B11
238,93	B5-B11	B5-B11	B5-B11	B5-B11
255,54	B5-B11	B5-B11	B5-B11	
280,10	B5-B11	B5-B11	B5-B11	
301,16	B5-B11	B5-B11	B5-B11	
343,93	B5-B11	B5-B11	B5-B11	

2.7 BEARINGS

S	S050		S060		S080	
Versions	Standard	On request	Standard	On request	Standard	On request
C	1	/	1	2	1 (Ø40)	2 (Ø40)
						1 (Ø45)
D	1	/	1	/	2	/
L	1	/	1	/	1	/

S	S100		S125	
Versions	Standard	On request	Standard	On request
C	1	2	1	2
D	2	/	2	/
L	1	/	1	/

1 - Ball Bearing

2 - Roller bearings

/ - Not available

2.8 OVERHUNG LOAD

2.8.1 Informations

The value of the admissible radial load (N) is given in the tables relating to the performance of the gear reducer at issue. It is related to the load applied on the centre line of the shaft and in the most unfavourable conditions of angle of application and direction
of rotation.
The maximum admissible axial loads are 1/5 of the value of the given radial load when they are applied in combination with the radial load.
The tables relating to the output shafts give the maximum admissible value. This value must never be exceeded since it relates to the strength of the case.
Particular conditions of radial load higher than the limits of the catalogue may occur. In this case, call our Technical Sevice and provide details on the application: direction of the load, direction of rotation of the shaft, type of service.In case of double extension shafts with radial load applied on both ends, the max. admissible radial loads must be defined according to the specific running conditions, in this case call our Technical Service.
The radial load on the shaft is calculated with the following formula: **Fre=(2000*M*fz)/D≤Fr1 or Fr2**

- **Fre** (N) Resulting radial load
- **M** (Nm) Torque on the shaft
- **D** (mm) Diameter of the transmission member mounted on the shaft
- **Fr** (N) Value of the maximum admitted radial load
- **Fr1**-**Fr2** (see relative tables)
- **fz** = 1,1 gear pinion

  1,4 chain wheel

  1,7 v-pulley

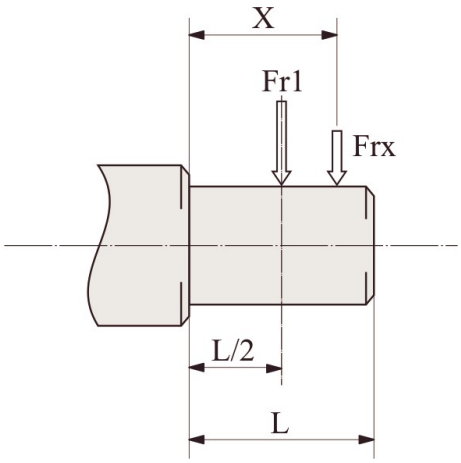
  2,5 flat pulley

When the resulting radial load is not applied on the centre line of the shaft, it is necessary to adjust the admissible radial load Fr1-2 with the following formula: **$Frx=(Fr_{1\ o\ 2}*a)/(b+x)$**

- **a** , **b** = values given in the tables
- **x** = distance from the point of application of the load to the shaft shoulder

2.8.2 Input

When the radial load is not on the centre line of the shaft, it is necessary to adjust the admissible radial load Fr1 with the following formula: **Frx=(Fr1*a)/(b+x)**



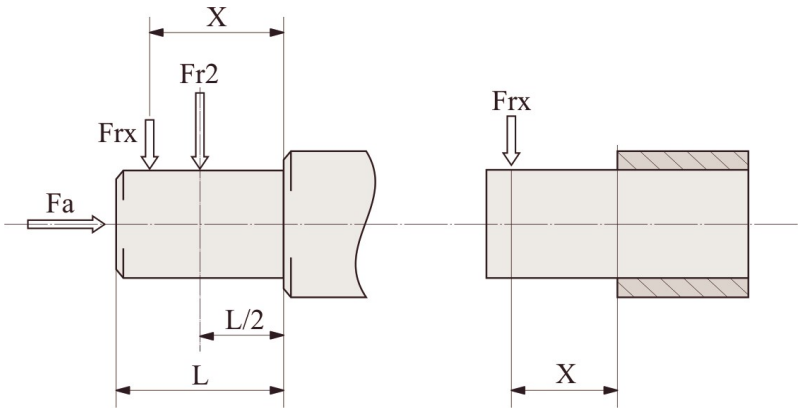
IS	052-053	062-063	082-083	102-103	122-123
a	105	105	137	137	175
b	80	80	108	108	135
Fr1 max(**)	1500	2500	3600	3600	7200

(**Fr1) Max. admissible value of the reducer; verify max. admissible value on performances tables.

2.8 OVERHUNG LOAD

2.8.3 Output

When the radial load is not on the centre line of the shaft, it is necessary to adjust the admissible radial load Fr2 with the following formula: **Frx=(Fr2*a)/(b+x)**



S	052-053	062-063	082-083	102-103	122-123
a	125	145	190	225	265
b	96	116	150	175	202
D (Fr2 max**)	6000	10000	18000	22000	30000
C (Fr2 max**)	6000	4000	7200	9000	11200

(**Fr2) Max. admissible value of the reducer; verify max. admissible value on performances tables.

2.9 LUBRICATION

2.9.1 Informations

In cases of ambient temperatures not envisaged in the table, call our Technical Service. In the case of temperatures under -30°C or over 60°C it is necessary to use oil seals with special properties. For operating ranges with temperatures under 0°C it is necessary to consider the following:

1. The motors need to be suitable for operation at the envisaged ambient temperature.
2. The power of the electric motor needs to be adequate for exceeding the higher starting torques required.
3. In case of cast-iron gear reducers, pay attention to impact loads since cast iron may have problems of fragility at temperatures under -15°C.
4. During the early stages of service, problems of lubrication may arise due to the high level of viscosity taken on by the oil and so it is wise to have a few minutes of rotation under no load.

For Atex gear reducers:

- Change oil as specified in the “Maintenance” table of the relevant “Use and Installation Instructions” manual (supplied with products).
- The use of oils other than the original one is forbidden.

2.9.2 Lubricants

	S050 ÷ 150	
	Mineral oil	
*T°C ISO/SAE	(-5) ÷ (+40) ISO VG220	(-15) ÷ (+25) ISO VG150
ENI	BLASIA 220	BLASIA 150
SHELL	OMALA OIL220	OMALA OIL150
KLUBER	Kluberoil GEM 1-220N	Kluberoil GEM 1-150N
MOBIL	MOBILGEAR 600 XP220	MOBILGEAR 600 XP150
CASTROL	ALPHA SP 220	ALPHA SP 150
BP	ENERGOL GR-XP220	ENERGOL GR-XP150

Specifications of lubricants recommended by Motovario S.p.A.

* Ambient temperature

Standard supply

2.9.3 Special lubricants

	*T°C	Polyglicol synthetic oil
ENI	(-30) ÷ (+30)	Blasia S 150 (ISO VG150)
	(-20) ÷ (+40)	Blasia S 220 (ISO VG220)
MOBIL	(-45) ÷ (+0)	SCH 624 (ISO VG32)
	(-40) ÷ (+5)	SCH 626 (ISO VG68)
KLUBER	(-40) ÷ (+5)	Klubersynth GH 6-32 (ISO VG32)
	(-35) ÷ 10)	Klubersynth GH 6-80 (ISO VG80)
	(-30) ÷ (+40)	Klubersynth GH 6-150 (ISO VG150)
	(-25) ÷ (+40)	Klubersynth GH 6-220 (ISO VG220)
	(-15) ÷ (+50)	Klubersynth GH 6-460 (ISO VG460)
	(-10) ÷ (+70)	Klubersynth GH 6-680 (ISO VG680)

	*T°C	Polyglicol synthetic oil for food grade
KLUBER	(-30) ÷ (+15)	Klubersynth UH1-6 100 (ISO VG100)
	(-25) ÷ (+40)	Klubersynth UH1-6 220 (ISO VG220)
	(-15) ÷ (+40)	Klubersynth UH1-6 320 (ISO VG320)
	(-15) ÷ (+50)	Klubersynth UH1-6 460 (ISO VG460)
	(-10) ÷ (+50)	Klubersynth UH1-6 680 (ISO VG680)

If ‘special’ lubricant is required please contact for Technical Assistance.

* Ambient temperature

2.9 LUBRICATION

2.9.4 Quantity

- For the gear reducers S ... series with 2, 3 stages it is always necessary to specify the envisaged position.
- The gear reducers S series ... with 2,3 stages sizes 050, 060 are supplied complete with lubricant, have no oil plugs and need no maintenance.
- The gear reducers S ... series with 2,3 stages sizes 080,100,125 are supplied complete with lubricant and are fitted with oil plugs to suit any mounting position included in the catalogue.

It is recommended, after installation, to replace the closed plug used for transportation with the supplied breather plug.

Quantity of oil in litres ~
(...) 142-143-152-153 quantity for backstop device

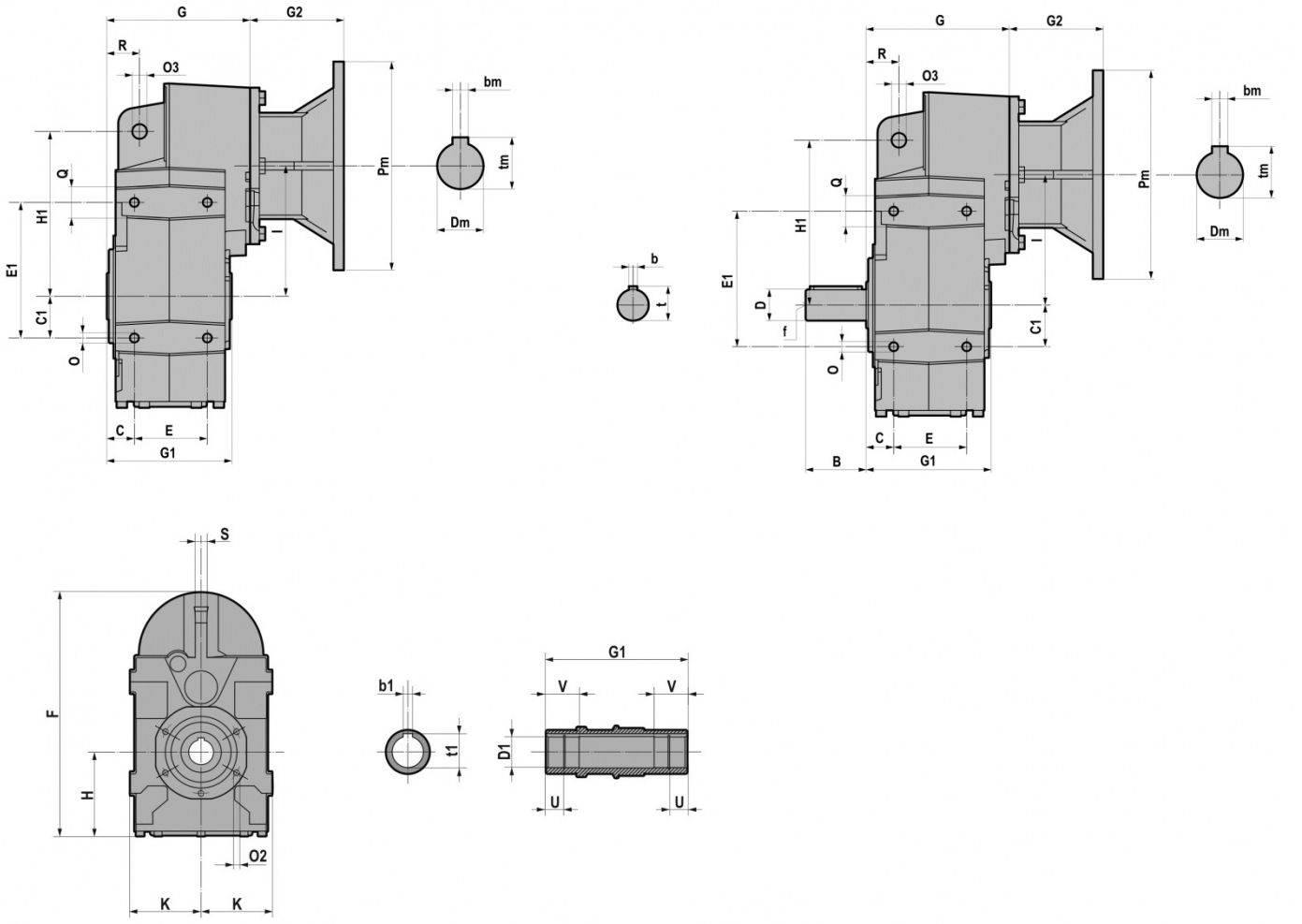
S - CS	052-053	062-063	082-083	102-103	122-123
B3	2,05	2,4	6	9	14,7
B8	1,8	2,3	4	6	11,8
B6	2,4	2,9	5,7	8	16
B7	2,1	2,6	4,5	6,8	11,3
V5	2,8	3,5	6,8	10,3	19
V6	2,4	2,9	6,4	9,9	18

2.10 MOMENTS OF INERTIA

S-2/3	J *1E-4 [Kg*m2]
050	4
060	6
080	15
100	34
125	85

Following values are indicative only and refer to gear reducers fitted with input PAM.
These values refer to maximum moment of inertia.

3.1.1 S 052...123



	D1 H7	b1	t1	U	V	B	D	b	t	f	C	C1	E	E1
052/053	30	8	33,3	13,8	30	58	30 j6	8	33	M10	26,5	40	70	130
062/063	35	10	38,3	12	35	58	35 j6	10	38	M12	30	45	80	147
082/083	40	12	43,3	22,25	42	80	40 k6	12	43	M16	37	60	106	190
082/083	45	14	47,6	22,25	42	80	40 k6	12	43	M16	37	60	106	190
102/103	45	14	48,8	22,25	50	100	50 k6	14	53,5	M16	36,5	70	137	275
102/103	50	14	53,8	25	50	100	50 k6	14	53,5	M16	36,5	70	137	275
122/123	60	18	64,4	28	70	120	60 m6	18	64	M20	43	100	165	310

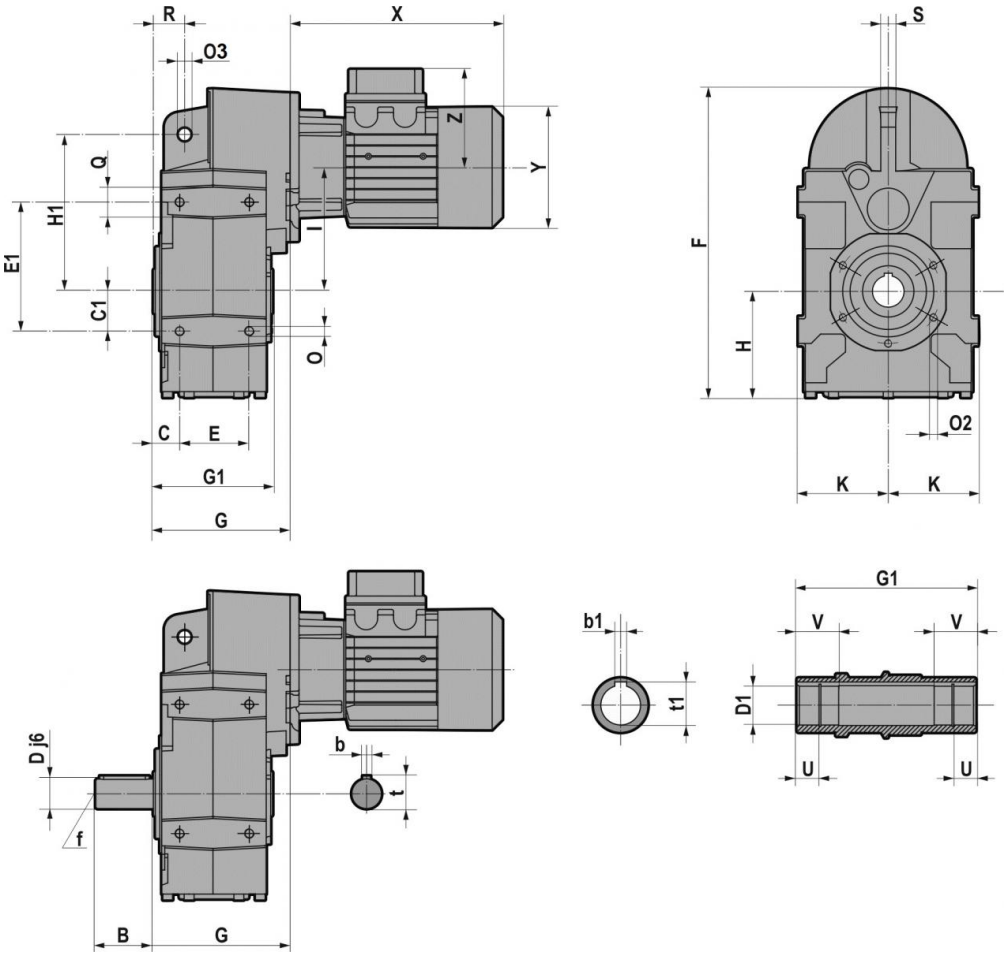
	F	G	G1	H	H1	I	K	O	O3	O2	Q	R	S
052/053	311	137,5	120	107	158	125	90,5	M10x18	14,00	M8x16 (n.5)	30	31,5	15
062/063	320	158,5	140	97	170	143	96,5	M12x20	14,00	M8x16 (n.5)	40	32	15
082/083	383	207	180	107	218	170	112,5	M12x20	14,00	M10x20 (n.7)	44	41	20
102/103	426	217,5	210	119	278	180	130	M16x26	22,00	M12x22 (n.7)	50	50	20
122/123	549	257	240	157	346	235	165	M16x30	22,00	M14x28 (n.7)	50	62	26

3.1 REDUCERS/GEARMOTOR

	G2		
	050-060	**080-100**	**125**
140x11	57	/	/
160x14	69	49,0	/
200x19	90	70,0	60,5
200x24	90	70,0	60,5
250x28	105	85,0	75,5
300x38	/	110,0	100,5
350x42	/	157,5	148
350x48	/	157,5	148
400x55	/	/	185

For the dimensions concerning the motor connection area (Pm, Dm, bm, tm) please refer to the table shown "Input flange".

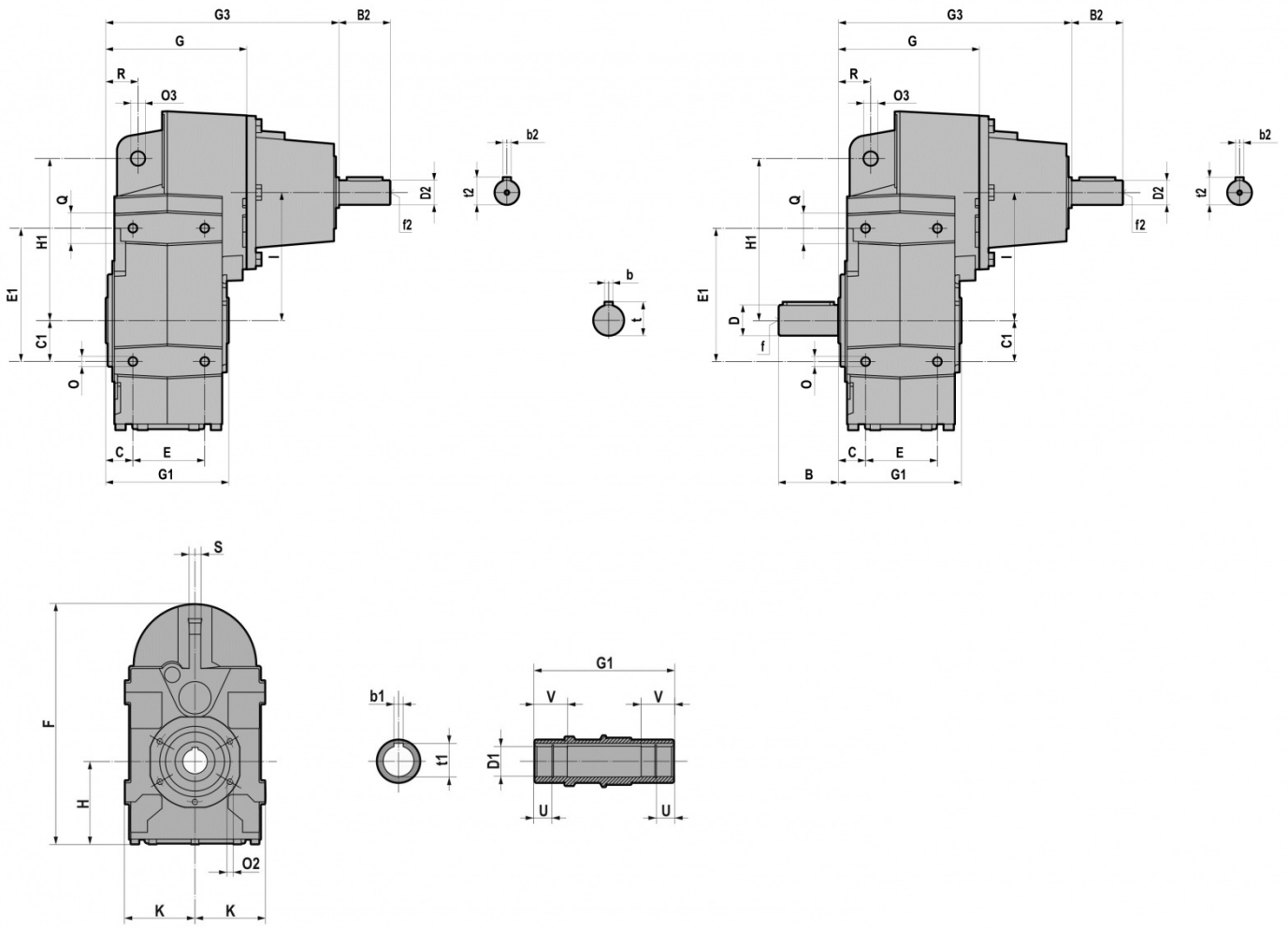
3.1.2 CS 052...123



	D1 H7	b1	t1	U	V	B	D	b	t	f	C	C1	E	E1
052/053	30	8	33,3	13,8	30	58	30 j6	8	33	M10	26,5	40	70	130
062/063	35	10	38,3	12	35	58	35 j6	10	38	M12	30	45	80	147
082/083	40	12	43,3	22,25	42	80	40 k6	12	43	M16	37	60	106	190
082/083	45	14	47,6	22,25	42	80	40 k6	12	43	M16	37	60	106	190
102/103	45	14	48,8	22,25	50	100	50 k6	14	53,5	M16	36,5	70	137	275
102/103	50	14	53,8	25	50	100	50 k6	14	53,5	M16	36,5	70	137	275
122/123	60	18	64,4	28	70	120	60 m6	18	64	M20	43	100	165	310

	F	G	G1	H	H1	I	K	O	O3	O2	Q	R	S
052/053	311	137,5	120	107	158	125	90,5	M10x18	14,00	M8x16 (n.5)	30	31,5	15
062/063	320	158,5	140	97	170	143	96,5	M12x20	14,00	M8x16 (n.5)	40	32	15
082/083	383	207	180	107	218	170	112,5	M12x20	14,00	M10x20 (n.7)	44	41	20
102/103	426	217,5	210	119	278	180	130	M16x26	22,00	M12x22 (n.7)	50	50	20
122/123	549	257	240	157	346	235	165	M16x30	22,00	M14x28 (n.7)	50	62	26

3.1.3 IS 052...123



	D1 H7	b1	t1	U	V	B	D	b	t	f	C	C1	E	E1
052/053	30	8	33,3	13,8	30	58	30 j6	8	33	M10	26,5	40	70	130
062/063	35	10	38,3	12	35	58	35 j6	10	38	M12	30	45	80	147
082/083	40	12	43,3	22,25	42	80	40 k6	12	43	M16	37	60	106	190
082/083	45	14	47,6	22,25	42	80	40 k6	12	43	M16	37	60	106	190
102/103	45	14	48,8	22,25	50	100	50 k6	14	53,5	M16	36,5	70	137	275
102/103	50	14	53,8	25	50	100	50 k6	14	53,5	M16	36,5	70	137	275
122/123	60	18	64,4	28	70	120	60 m6	18	64	M20	43	100	165	310

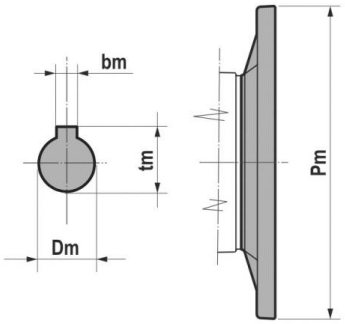
	F	G	G1	H	H1	I	K	O	O3	O2	Q	R	S
052/053	311	137,5	120	107	158	125	90,5	M10x18	14,00	M8x16 (n.5)	30	31,5	15
062/063	320	158,5	140	97	170	143	96,5	M12x20	14,00	M8x16 (n.5)	40	32	15
082/083	383	207	180	107	218	170	112,5	M12x20	14,00	M10x20 (n.7)	44	41	20
102/103	426	217,5	210	119	278	180	130	M16x26	22,00	M12x22 (n.7)	50	50	20
122/123	549	257	240	157	346	235	165	M16x30	22,00	M14x28 (n.7)	50	62	26

3.1 REDUCERS/GEARMOTOR

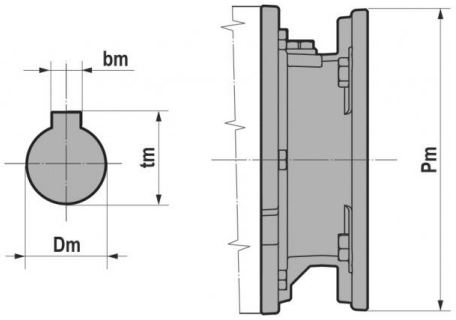
	G3	B2	D2	b2	t2	f2
052/053	227,5	50	24 j6	8	27	M8
062/063	248,5	50	24 j6	8	27	M8
082/083	320	60	28 j6	8	31	M10
102/103	330,5	60	28 j6	8	31	M10
122/123	383,5	80	38 k6	10	41	M12

3.2 INPUT FLANGE

B5 B14



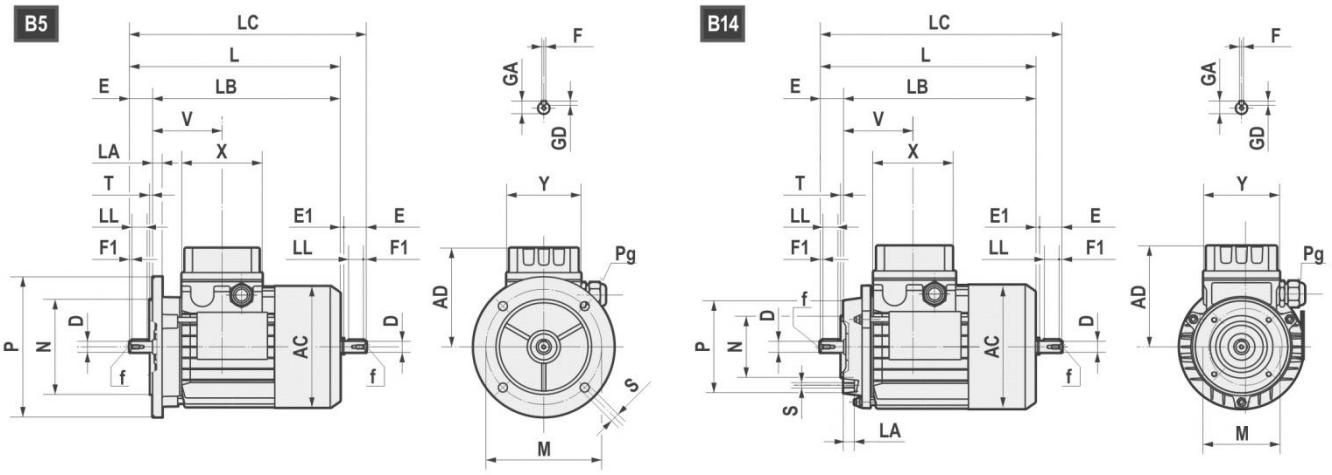
B5



B5	Pm	Dm	bm	tm
056	120	09	3	10,4
063	140	11	4	12,8
071	160	14	5	16,3
080	200	19	6	21,8
090	200	24	8	27,3
100	250	28	8	31,3
112	250	28	8	31,3
132	300	38	10	41,3
160	350	42	12	45,3
180	350	48	14	51,8
200	400	55	16	59,3
225	450	60	18	64,4
250	550	65	18	69,4
280	550	75	20	79,9

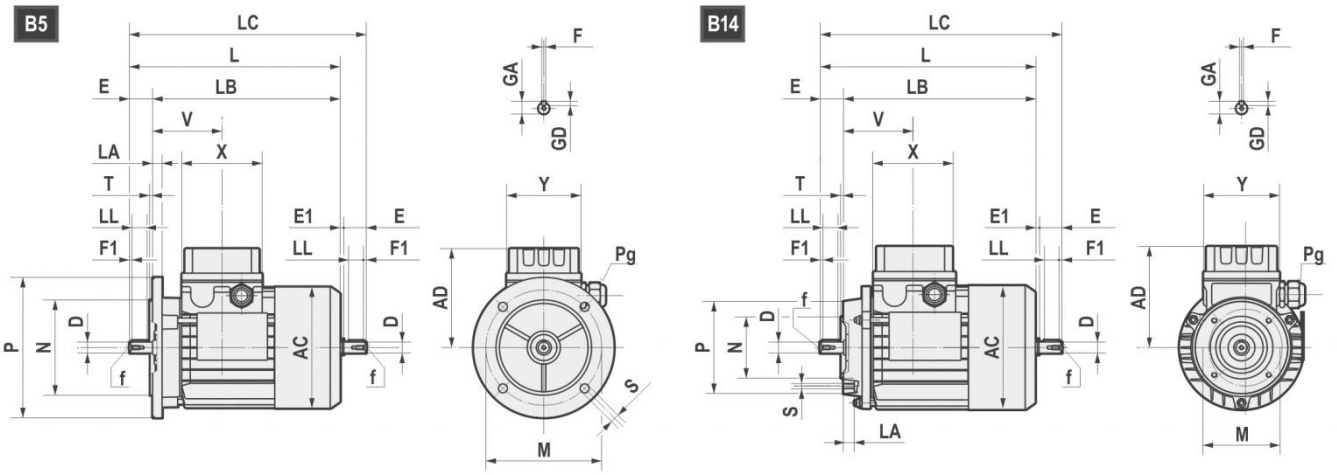
B14	Pm	Dm	bm	tm
056	80	09	3	10,4
063	90	11	4	12,8
071	105	14	5	16,3
080	120	19	6	21,8
090	140	24	8	27,3
100	160	28	8	31,3
112	160	28	8	31,3

3.3.1 Electric motors



	AC	AD	L	LB	LC	X	Y	V	D	E	E1	f	F1	GA	F	GD
63	121	103,5	211	188	235,5	80	74	69	11 j6	23	1,5	M4x10	2,5	12,5	4	4
71	139	112	238,5	208,5	271	80	74	74,5	14 j6	30	2,5	M5x12.5	3	16	5	5
80	158	121,5	272,5	232,5	314	80	74	78	19 j6	40	1,5	M6x16	5	21,5	6	6
90S	173	129,5	298	248	349,5	98	98	89,5	24 j6	50	1,5	M8x19	5	27	8	7
90L	173	129,5	323	273	374,5	98	98	89,5	24 j6	50	1,5	M8x19	5	27	8	7
100	191	138,5	368	308	431,5	98	98	97,5	28 j6	60	3,5	M10x22	7,5	31	8	7
112	210,5	153,5	382,5	322,5	447	98	98	100	28 j6	60	3,5	M10x22	7,5	31	8	7
132S	248,5	195	452	372	536,5	118	118	115,5	38 k6	80	4	M12x28	10	41	10	8
132L	248,5	195	490	410	574,5	118	118	115,5	38 k6	80	4	M12x28	10	41	10	8
160S	248,5	195	520	410	/	118	118	115,5	42k6	100	/	M16x36	10	45	12	8

3.3 ELECTRIC MOTORS



		AC	AD	L	LB	X	D	E	f	GA	F	GD	LL	Pg	
160M	2-4-6	314	251	600	490	158	42	110	M16	45	12	8	90	2-M40x1,5	1-M16x1,5
160L	2-4-6	314	251	645	535	158	42	110	M16	45	12	8	90	2-M40x1,5	1-M16x1,5
180M	2-4	355	267	680	570	158	48	110	M16	51,5	14	9	100	2-M40x1,5	1-M16x1,5
180L	4-6	355	267	720	610	158	48	110	M16	51,5	14	9	100	2-M40x1,5	1-M16x1,5
200L	2-4-6	397	300	785	675	187	55	110	M20	59	16	10	100	2-M50x1,5	1-M16x1,5
225S	4	446	325	820	680	187	60	140	M20	64	18	11	125	2-M50x1,5	1-M16x1,5
225M	2	446	325	815	705	187	55	110	M20	59	16	10	100	2-M50x1,5	1-M16x1,5
225M	4-6	446	325	845	705	187	60	140	M20	64	18	11	125	2-M50x1,5	1-M16x1,5
250M	2-4-6	485	360	910	770	238	60	140	M20	64	18	11	125	2-M63x1,5	1-M16x1,5
250M	2-4-6	485	360	910	770	238	65	140	M20	69	18	11	125	2-M63x1,5	1-M16x1,5
280S	2-4-6	547	390	970	830	238	65	140	M20	69	18	11	125	2-M63x1,5	1-M16x1,5
280S	2-4-6	547	390	970	830	238	75	140	M20	79,5	20	12	125	2-M63x1,5	1-M16x1,5
280M	2-4-6	547	390	1025	885	238	65	140	M20	69	18	11	125	2-M63x1,5	1-M16x1,5
280M	2-4-6	547	390	1025	885	238	75	140	M20	79,5	20	12	125	2-M63x1,5	1-M16x1,5

3.3 ELECTRIC MOTORS

B5	M	N	P	LA	S	T
63	115	95	140	10	9	3
71	130	110	160	10	9,5	3,5
80	165	130	200	12	11	3,5
90	165	130	200	12	11	3,5
100	215	180	250	15	14	4
112	215	180	250	14,5	14	4
132	265	230	300	20	14	3,5
160S	300	250	350	13	18,5	3,5
160M-L	300	250	350	13	19	5
180	300	250	350	15	19	5
200	350	300	400	17	19	5
225	400	350	450	20	19	5
250	500	450	550	22	19	5
280	500	450	550	22	19	

B14	M	N	P	LA	S	T
63	75	60	90	10	M5	2,5
71	85	70	105	10,5	M6	2,5
80	100	80	120	10,5	M6	3
90	115	95	140	11,5	M8	3
100	130	110	160	15	M8	3,5
112	130	110	160	11,5	M8	3,5
132	165	130	200	20,5	M10	3,5
160	215	180	250	-	M12	4

3.3.2 Nominal power - kW

	63A	63B	63C	71A	71B	71C	80A			80B		
Poles	TS	TS	TS	TS	TS	TS	TS	TH	TP	TS	TH	TP
2 (*)	0,18	0,25	0,37	0,37	0,55	-	-	0,75	0,75	-	1,1	1,1
4 (*)	0,12	0,18	0,22	0,25	0,37	0,55	0,55	-	-	-	0,75	0,75
6 (*)	0,09	0,12	0,15	0,18	0,25	0,37	0,37	-	-	0,55	-	-

	90S		90L		100LR	100L	100LA		112MR	112MS	112MA	112M
Poles	TH	TP	TH	TP	TP	TP	TH	TP	TP	TP	TH	TP
2 (*)	1,5	1,5	2,2	2,2	-	3	3	-	-	-	4	4
4 (*)	1,1	1,1	1,5	1,5	-	-	2,2	2,2	2,2	3	4	4
6 (*)	-	0,75	0,75	-	1,1	1,5	1,1	-	-	-	2,2	2,2

	112MR	112MS	132S	132SA	132MS	132SB	132M	132MA		132MB	
Poles	TP	TP	TP	TH	TP	TH	TP	TH	TP	TH	TP
2 (*)	-	-	5,5	5,5	-	7,5	7,5	9,2	-	-	-
4 (*)	2,2	3	-	5,5	5,5	-	7,5	7,5	-	-	-
6 (*)	-	-	3	3	-	-	-	4	4	5,5	5,5

	160M	160MA	160MB	160L	160LA	180M	180L
Poles	TP	TP	TP	TP	TP	TP	TP
2 (*)	-	11	15	18,5	-	22	-
4 (*)	-	11	-	-	15	18,5	22
6 (*)	7,5	-	-	11	-	-	15

	200L	200LA	200LB	225S	225M	250M	280S	280M
Poles	TP	TP	TP	TP	TP	TP	TP	TP
2 (*)	-	30	37	-	-	-	-	-
4 (*)	30	-	-	37	45	55	75	90
6 (*)	-	18,5	22	-	-	-	-	-

3.4 WEIGHT

S-PS	063	071	080-090	100-112	132	160	180	200	225	
050	16	16,4	17	21,2	/	/	/	/	/	~ kg
060	/	19,9	20,6	24,9	/	/	/	/	/	
080	/	32,9	35	37	39,7	/	/	/	/	
100	/	44	46	48	50,7	57,4	57,4	/	/	
125	/	/	82	84,2	87	93	93	108	/	

	TS								
CS	063	071	080	090S	090L	100	112	132S	132M	
050	19,50	20,40	25,10	29,00	31,00	36,50	48,00	/	/	~ kg
060	/	23,90	28,70	32,60	34,60	40,10	51,60	/	/	
080	/	36,50	41,60	44,00	45,50	50,60	62,00	76,00	87,60	
100	/	47,50	52,60	55,00	56,50	61,60	73,00	87,00	98,60	
125	/	/	/	91,00	92,00	98,00	108,00	123,00	132,00	

	TH							
CS	080	090S	090L	100	112	132S	132M	
050	26,80	31,34	32,96	38,80	51,08	/	/	~ kg
060	30,40	34,94	36,56	42,40	54,68	/	/	
080	43,30	46,34	47,46	52,90	65,08	81,29	94,43	
100	54,30	57,34	58,46	63,90	76,08	92,29	105,43	
125	/	93,34	93,96	100,30	111,08	128,29	138,83	

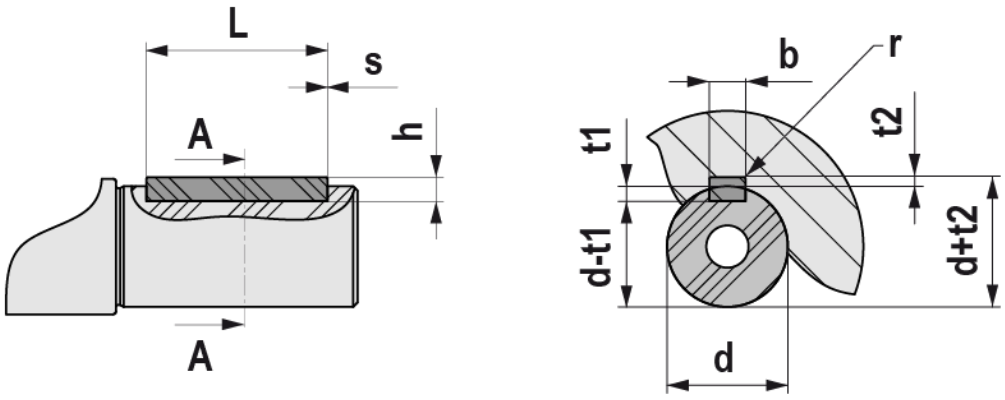
	TBS								
CS	063	071	080	090S	090L	100	112	132S	132M	
050	21,00	22,60	28,60	34,50	36,50	42,00	57,70	/	/	~ kg
060	/	26,20	32,20	38,10	40,10	45,60	61,30	/	/	
080	/	38,70	45,00	49,50	51,00	56,00	71,70	86,30	102,30	
100	/	49,70	56,00	60,50	62,00	67,00	82,70	97,30	113,30	
125	/	/	/	96,50	97,50	103,50	117,70	133,30	146,70	

	TBH							
CS	080	090S	090L	100	112	132S	132M	
050	30,30	36,80	38,46	45,70	60,80	/	/	~ kg
060	33,90	40,40	42,06	49,30	64,40	/	/	
080	46,70	51,80	52,96	59,70	74,80	91,60	108,80	
100	57,70	62,80	63,96	70,70	85,80	102,60	119,80	
125	/	98,80	99,46	107,20	120,80	138,60	153,20	

3.4 WEIGHT

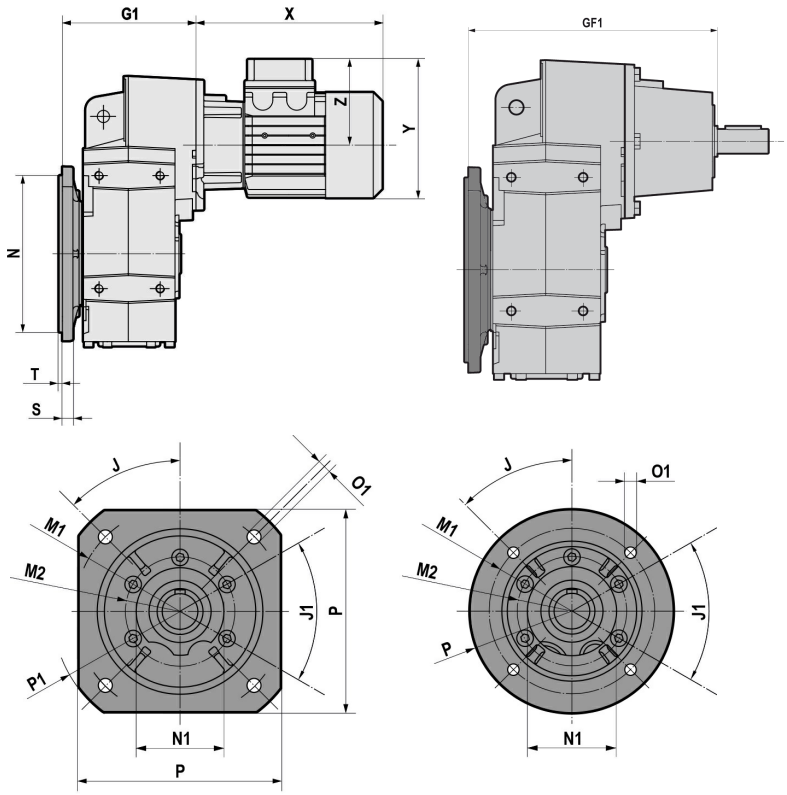
IS	~ kg
050	19,2
060	22,7
080	39
100	50
125	91,8

3.5 DIMENSIONAL KEYWAY



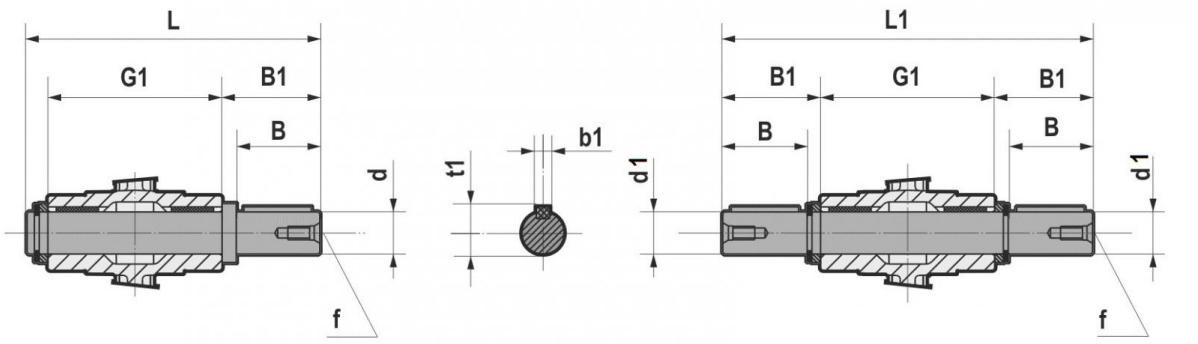
UNI 6604 - DIN 6885													
d			b x h			Tol. b / h	L		s min / max	b	t1	t2	Tol. t1 / t2	r max
	6	8	2	×	2	h9 / h9	6	20	0,16 0,25	2	1,2	1	0,1 0	0,08 0,16
>	8	10	3	×	3		6	36		3	1,8	1,4		
>	10	12	4	×	4		8	45		4	2,5	1,8		
>	12	17	5	×	5		10	56	0,25 0,4	5	3	2,3		0,16 0,25
>	17	22	6	×	6		14	70		6	3	2,8		
>	22	30	8	×	7	h9 / h11	18	90		8	4	3,3	0,2 0	
>	30	38	10	×	8		22	110	0,4 0,6	10	5	3,3		0,25 0,4
>	38	44	12	×	8		28	140		12	5	3,3		
>	44	50	14	×	9		36	160		14	5,5	3,8		
>	50	58	16	×	10		45	180		16	6	4,3		
>	58	65	18	×	11		50	200		18	7	4,4		
>	65	75	20	×	12		56	110	0,6 0,8	20	7,5	4,9		0,4 0,6
>	75	85	22	×	14		63	140		22	9	5,4		
>	85	95	25	×	14		70	160		25	9	5,4		
>	95	110	28	×	16		80	180		28	10	6,4		
>	110	130	32	×	18		90	200		32	11	7,4		
>	130	150	36	×	20		100	160	1 1,2	36	12	8,4	0,3 0	0,7 1
>	150	170	40	×	22		110	180		40	13	9,4		
>	170	200	45	×	25		125	200		45	14	10,4		

4.1 OUTPUT FLANGE



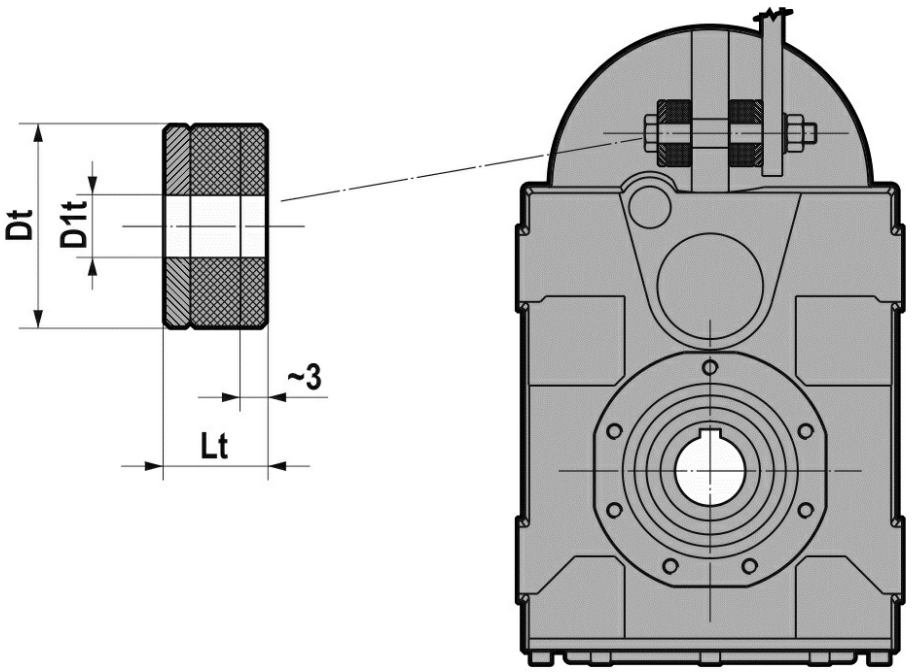
		J	J1	M1	M2	N f8	N1	O1	P	P1	S	T	G1	GF1
052 053	FA	45	45	215	105	180	90	14	200	250	12	4	153	243
	FB	45	45	165	105	130	90	11	200	/	12	3,5	153	243
	FC	/	/	/	/	/	/	/	/	/	/	/	/	/
062 063	FA	45	45	215	105	180	90	14	200	250	12	4	172,5	262,5
	FB	45	45	165	105	130	90	11	200	/	12	3,5	172,5	262,5
	FC	/	/	/	/	/	/	/	/	/	/	/	/	/
082 083	FA	45	45	265	130	230	110	14	250	300	15	4	227	340
	FB	45	45	215	130	180	110	14	250	/	15	4	227	340
	FC	45	45	165	130	130	110	11	200	/	15	3,5	227	340
102 103	FA	45	45	300	165	250	130	18	300	350	16	5	247,5	360,5
	FB	45	45	265	165	230	130	14	300	/	16	4	247,5	360,5
	FC	45	45	215	165	180	130	14	250	/	16	4	247,5	360,5
122 123	FA	45	45	350	185	300	150	18	350	400	18	5	287	413,5
	FB	45	45	300	185	250	150	18	350	/	18	5	287	413,5
	FC	45	45	265	185	230	150	14	300	/	18	4	287	413,5

4.2 LOW SPEED SHAFTS



	d h6	B	B1	G1	L	f	b1	t1
062/063	35	58	62	140	210,5	M12	10	38
082/083	40	80	84,25	180	273	M16	12	43
102/103	50	100	105	210	325	M16	14	53,5
122/123	60	120	125	240	375	M20	18	64

4.3 REACTION BOLT

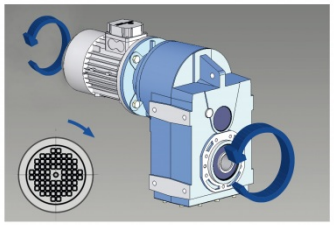


	Dt	D1t	Lt
052/053	40	12,5	20
062/063	40	12,5	20
082/083	40	12,5	20
102/103	60	21	30
122/123	60	21	30

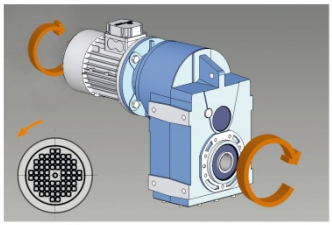
4.4 BACKSTOP DEVICE

SENSE OF ROTATION

S... 2/C-D-L

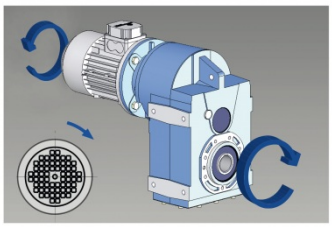


CLOCKWISE SENSE OF DIRECTION
REFERRED TO HIGH SPEED SHAFT

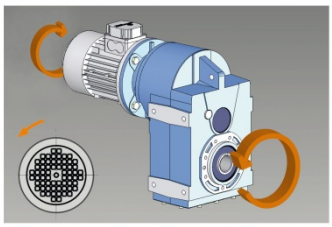


COUNTER CLOCKWISE SENSE OF DIRECTION
REFERRED TO HIGH SPEED SHAFT

S... 3/C-D-L



CLOCKWISE SENSE OF DIRECTION
REFERRED TO HIGH SPEED SHAFT



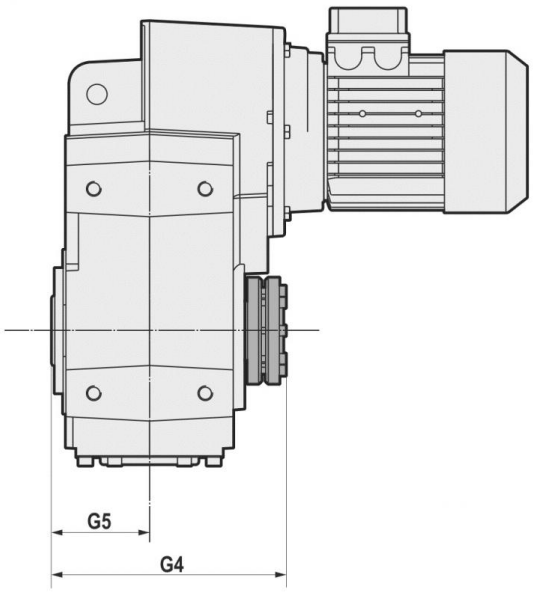
COUNTER CLOCKWISE SENSE OF DIRECTION
REFERRED TO HIGH SPEED SHAFT

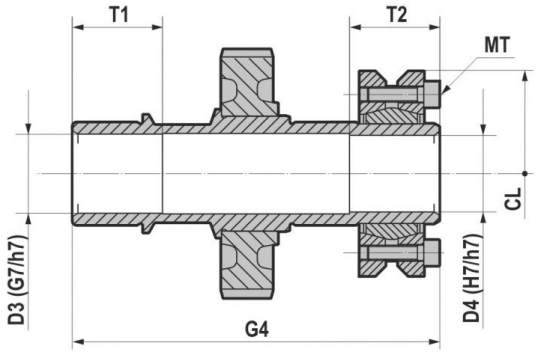
The gear reducer can be supplied with backstop device on input shaft. Backstop device allows output shaft rotation in only one sense of direction; according to the size, it is available in the input flange or in the motor with the same dimensions. It is important to specify the required sense of direction on the order. The backstop device is not available for mounting position V5 with motor 100/225.

Certified accessory for ATEX 3G/3D, only.

	Motor								
	063	071	080	090	100-112	132	160	180	200
	140x11	160x14	200x19	200x24	250x28	300x38	350x42	350x48	400x55
052		B5	B5	B5	B5				
053	B5	B5	B5	B5					
062		B5	B5	B5	B5				
063		B5	B5	B5					
082			B5	B5	B5	B5			
083		B5	B5	B5	B5				
102			B5	B5	B5	B5	B5		
103		B5	B5	B5	B5				
122			B5	B5	B5	B5	B5	B5	B5
123			B5	B5	B5	B5			

4.5 SHRINK DISC



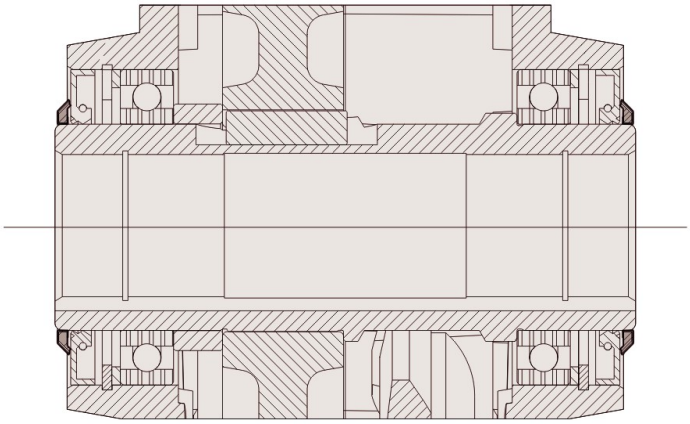


	D3	D4	G4	G5	T1	T2	CL	MT 12.9 (Nm)
052/053	31	30	152	60	35	35	74	15
062/063	36	35	173	70	40	35	80	15
082/083	41	40	217	90	50	40	100	15
082/083	41	40	217	90	50	40	100	15
102/103	51	50	248	105	55	40	115	15
122/123	61	60	282	120	60	50	145	40

Clean and degrease the surfaces of the shaft to be fitted to. Comply with the indicated tightening torque of screws (MT).
The shrink disc is designed only to transmit the output torque.
In case of mounting position with radial and/or axial loads, please contact the technical support.

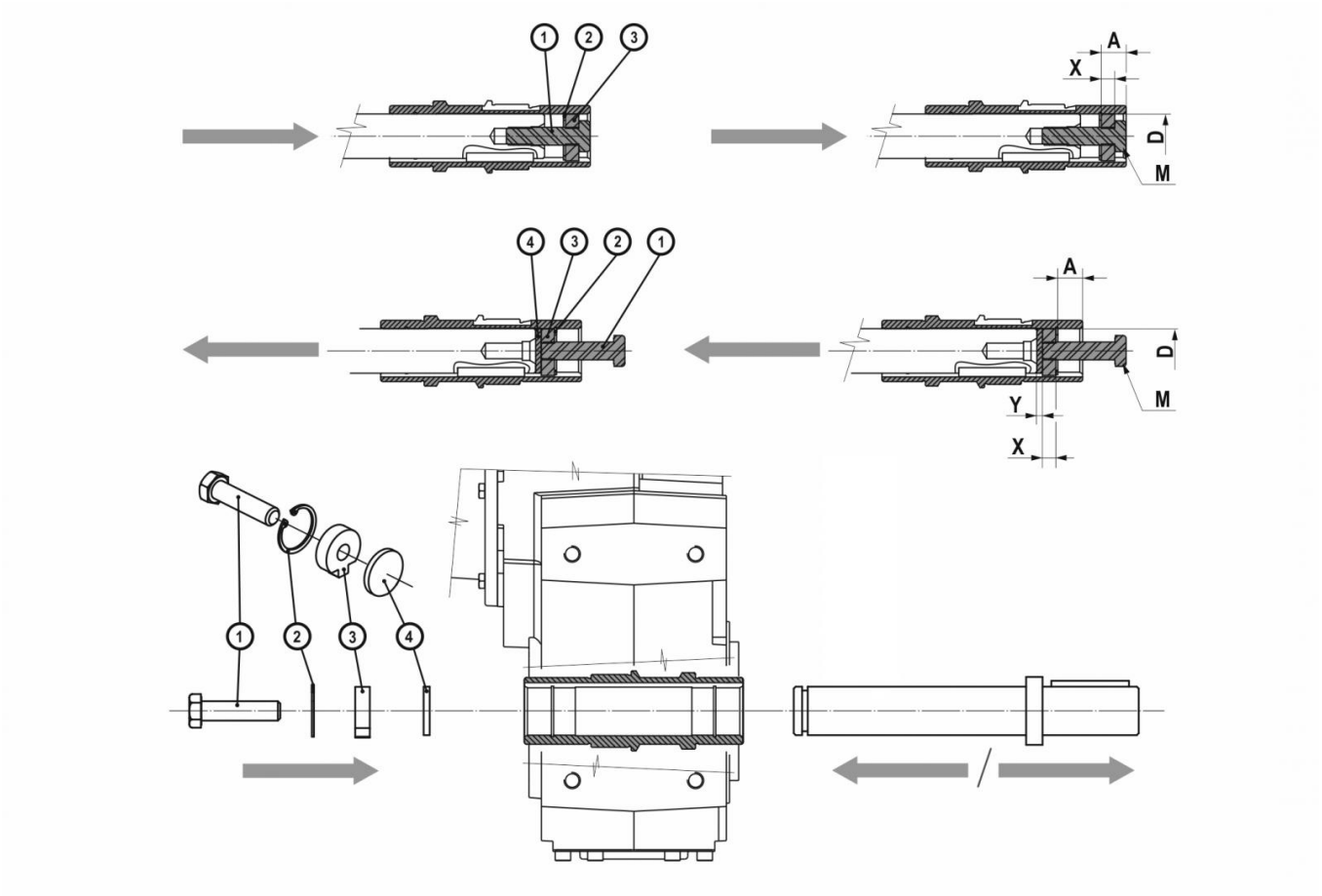
Certified accessory for ATEX 3G/3D, only.

4.6 REINFORCED OIL SEALS



The reinforced seal can be done depending on the gearbox size by means of two oil seals or through the standard oil seal with VRM ring. The difference of the two solutions is explained on the above drawings. Available for all sizes.
As an option, the gear reducer can be supplied with FPM (FKM) seals.

4.7 ASSEMBLING/DISASSEMBLING KIT

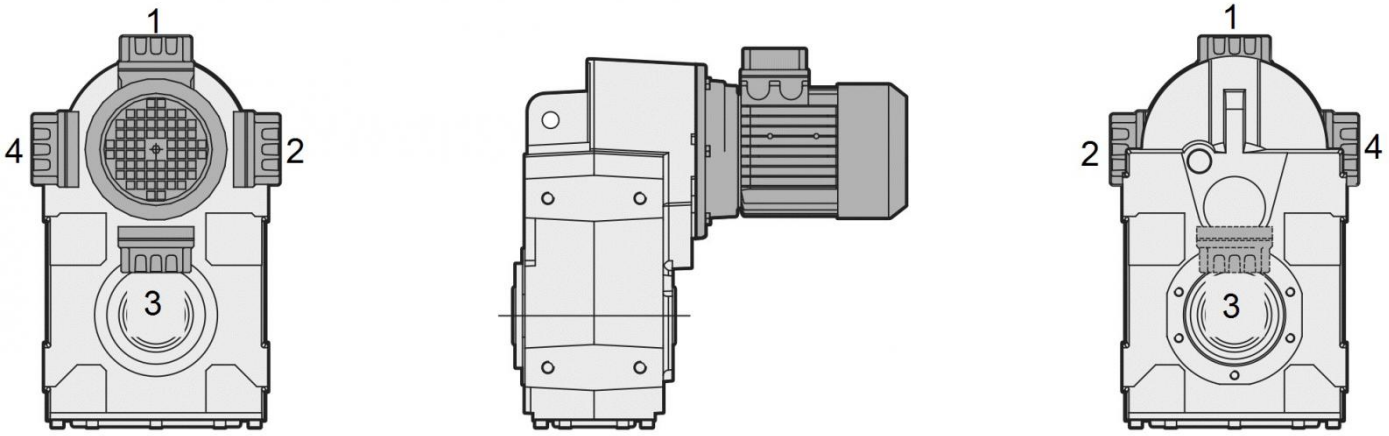


	D	A	X	Y	M
S052/053	30	13,8	10	5	M10x35
S062/063	35	12	12	5	M16x50
S082/083	40	22,25	12	5	M16x50
	45	22,25	12	5	M16x50
S102/103	50	25	12	5	M16x50
S122/123	60	28	16	5	M20x70

Mounting/dismounting kit for hollow shaft gear reducers with keyway. On request delivery includes:

1. Retaining bolt
2. Circlip
3. Fixed nut
4. Forcing washer

4.8 POSITION OF TERMINAL BOX



Unless otherwise specified when ordering, the gear reducer is supplied with terminal box in position 1.

5.1 S GEARED MOTORS (50Hz)

If “Ex” mark is present, contact MOTOVARIO TECHNICAL SERVICE.

0.09 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
7.3	111	2.7	117.48	S053	TS63A6	6000	6000
6.3	130	2.3	137.45	S053	TS63A6	6000	6000
4.8	168	1.8	177.55	S053	TS63A6	6000	6000
4.3	188	1.6	198.45	S053	TS63A6	6000	6000
4.0	207	1.4	217.64	S053	TS63A6	6000	6000
3.4	243	1.2	256.33	S053	TS63A6	6000	6000

0.12 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
11.6	94	3.2	74.20	S053	TS63B6	6000	6000
11.4	94	3.1	117.48	S053	TS63A4	6000	6000
9.7	111	2.7	137.45	S053	TS63A4	6000	6000
9.0	121	2.5	95.84	S053	TS63B6	6000	6000
7.5	143	2.1	177.55	S053	TS63A4	6000	6000
7.3	149	2.0	117.48	S053	TS63B6	6000	6000
6.8	160	1.9	198.45	S053	TS63A4	6000	6000
6.3	174	1.7	137.45	S053	TS63B6	6000	6000
6.2	175	1.7	217.64	S053	TS63A4	6000	6000
5.2	206	1.4	256.33	S053	TS63A4	6000	6000
4.8	225	1.3	177.55	S053	TS63B6	6000	6000
4.3	251	1.2	198.45	S053	TS63B6	6000	6000
4.3	253	1.2	314.21	S053	TS63A4	6000	6000
4.0	275	1.1	217.64	S053	TS63B6	6000	6000

0.15 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
10.9	125	2.4	74.20	S053	TS63C6	6000	6000
8.5	161	1.9	95.84	S053	TS63C6	6000	6000
6.9	197	1.5	117.48	S053	TS63C6	6000	6000
5.9	231	1.3	137.45	S053	TS63C6	6000	6000
4.6	298	1.0	177.55	S053	TS63C6	6000	6000

0.18 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
20.4	77	Ex	137.45	S053	TS63A2	6000	6000

5.1 S GEARED MOTORS (50Hz)

0.18 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
17.9	90	3.3	74.20	S053	TS63B4	6000	6000
17.2	97	3.1	52.25	S052	TS71A6	6000	6000
15.8	99	Ex	177.55	S053	TS63A2	6000	6000
15.6	107	2.8	57.86	S052	TS71A6	6000	6000
14.1	111	Ex	198.45	S053	TS63A2	6000	6000
13.9	116	2.6	95.84	S053	TS63B4	6000	6000
12.9	121	Ex	217.64	S053	TS63A2	6000	6000
12.4	135	2.2	72.83	S052	TS71A6	6000	6000
12.1	135	2.2	74.20	S053	TS71A6	6000	6000
11.3	143	2.1	117.48	S053	TS63B4	6000	6000
10.9	143	Ex	256.33	S053	TS63A2	6000	6000
9.7	167	1.8	137.45	S053	TS63B4	6000	6000
9.4	174	1.7	95.84	S053	TS71A6	6000	6000
9.0	181	2.8	99.89	S063	TS71A6	10000	4000
8.9	175	Ex	314.21	S053	TS63A2	6000	6000
7.7	213	1.4	117.48	S053	TS71A6	6000	6000
7.5	216	1.4	177.55	S053	TS63B4	6000	6000
7.1	229	2.2	126.43	S063	TS71A6	10000	4000
6.7	241	1.3	198.45	S053	TS63B4	6000	6000
6.5	249	1.2	137.45	S053	TS71A6	6000	6000
6.1	264	1.1	217.64	S053	TS63B4	6000	6000
6.0	274	1.9	150.85	S063	TS71A6	10000	4000
5.7	288	3.0	158.76	S083	TS71A6	18000	7200
4.9	336	1.5	185.05	S063	TS71A6	10000	4000
4.9	335	2.5	184.88	S083	TS71A6	18000	7200
4.4	368	2.3	203.11	S083	TS71A6	18000	7200
4.1	395	1.3	217.79	S063	TS71A6	10000	4000
3.6	454	1.9	250.50	S083	TS71A6	18000	7200
3.4	484	1.1	267.16	S063	TS71A6	10000	4000
3.3	497	2.7	274.20	S103	TS71A6	22000	9000
3.1	530	1.6	292.36	S083	TS71A6	18000	7200
2.9	573	1.5	315.73	S083	TS71A6	18000	7200
2.8	582	2.4	320.79	S103	TS71A6	22000	9000
2.6	627	2.2	345.60	S103	TS71A6	22000	9000
2.5	654	1.3	360.58	S083	TS71A6	18000	7200
2.3	716	1.9	394.69	S103	TS71A6	22000	9000

0.22 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
17.9	110	2.7	74.20	S053	TS63C4	6000	6000

5.1 S GEARED MOTORS (50Hz)

0.22 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
13.9	142	2.1	95.84	S053	TS63C4	6000	6000
11.3	174	1.7	117.48	S053	TS63C4	6000	6000
9.7	204	1.5	137.45	S053	TS63C4	6000	6000
7.5	264	1.1	177.55	S053	TS63C4	6000	6000
6.7	295	1.0	198.45	S053	TS63C4	6000	6000

0.25 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
30.0	77	2.7	30.00	S052	TS71B6	6000	6000
29.2	74	Ex	95.84	S053	TS63B2	6000	6000
27.6	84	3.1	32.55	S052	TS71B6	6000	6000
24.6	94	3.0	36.55	S052	TS71B6	6000	6000
24.0	95	3.1	57.86	S052	TS71A4	6000	6000
23.8	91	Ex	117.48	S053	TS63B2	6000	6000
22.6	103	2.9	39.90	S052	TS71B6	6000	6000
21.1	110	2.7	42.63	S052	TS71B6	6000	6000
20.4	106	Ex	137.45	S053	TS63B2	6000	6000
19.1	121	2.5	47.20	S052	TS71B6	6000	6000
19.1	120	2.5	72.83	S052	TS71A4	6000	6000
18.7	120	2.5	74.20	S053	TS71A4	6000	6000
17.8	126	2.4	74.20	S053	TS63D4	6000	6000
17.2	134	2.2	52.25	S052	TS71B6	6000	6000
15.8	137	Ex	177.55	S053	TS63B2	6000	6000
15.6	149	2.0	57.86	S052	TS71B6	6000	6000
14.5	155	1.9	95.84	S053	TS71A4	6000	6000
14.1	153	Ex	198.45	S053	TS63B2	6000	6000
13.9	161	3.2	99.89	S063	TS71A4	10000	4000
13.8	163	1.8	95.84	S053	TS63D4	6000	6000
13.3	174	2.9	67.47	S062	TS71B6	10000	4000
12.9	168	Ex	217.64	S053	TS63B2	6000	6000
12.4	187	1.6	72.83	S052	TS71B6	6000	6000
12.1	187	1.6	74.20	S053	TS71B6	6000	6000
11.8	190	1.6	117.48	S053	TS71A4	6000	6000
11.2	200	1.5	117.48	S053	TS63D4	6000	6000
11.1	205	2.5	81.43	S063	TS71B6	10000	4000
11.0	204	2.5	126.43	S063	TS71A4	10000	4000
10.9	198	Ex	256.33	S053	TS63B2	6000	6000
10.1	222	1.4	137.45	S053	TS71A4	6000	6000
9.6	234	1.3	137.45	S053	TS63D4	6000	6000
9.4	241	1.2	95.84	S053	TS71B6	6000	6000

5.1 S GEARED MOTORS (50Hz)

0.25 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
9.2	244	2.1	150.85	S063	TS71A4	10000	4000
9.0	252	2.0	99.89	S063	TS71B6	10000	4000
8.8	256	3.3	158.76	S083	TS71A4	18000	7200
7.8	287	1.0	177.55	S053	TS71A4	6000	6000
7.7	296	1.0	117.48	S053	TS71B6	6000	6000
7.7	295	2.9	117.17	S083	TS71B6	18000	7200
7.5	299	1.7	185.05	S063	TS71A4	10000	4000
7.5	299	2.8	184.88	S083	TS71A4	18000	7200
7.1	318	1.6	126.43	S063	TS71B6	10000	4000
7.0	324	2.6	128.73	S083	TS71B6	18000	7200
6.8	328	2.6	203.11	S083	TS71A4	18000	7200
6.4	352	1.5	217.79	S063	TS71A4	10000	4000
6.0	380	1.3	150.85	S063	TS71B6	10000	4000
5.7	400	2.1	158.76	S083	TS71B6	18000	7200
5.5	404	2.1	250.50	S083	TS71A4	18000	7200
5.2	431	1.2	267.16	S063	TS71A4	10000	4000
5.2	438	3.1	173.78	S103	TS71B6	22000	9000
5.1	443	3.1	274.20	S103	TS71A4	22000	9000
4.9	466	1.1	185.05	S063	TS71B6	10000	4000
4.9	466	1.8	184.88	S083	TS71B6	18000	7200
4.8	472	1.8	292.36	S083	TS71A4	18000	7200
4.4	512	1.7	203.11	S083	TS71B6	18000	7200
4.4	510	1.7	315.73	S083	TS71A4	18000	7200
4.4	512	2.7	203.11	S103	TS71B6	22000	9000
4.3	518	2.6	320.79	S103	TS71A4	22000	9000
4.0	561	2.4	222.85	S103	TS71B6	22000	9000
4.0	558	2.4	345.60	S103	TS71A4	22000	9000
3.9	582	1.5	360.58	S083	TS71A4	18000	7200
3.6	631	1.3	250.50	S083	TS71B6	18000	7200
3.5	637	2.1	394.69	S103	TS71A4	22000	9000
3.3	691	2.0	274.20	S103	TS71B6	22000	9000
3.1	736	1.1	292.36	S083	TS71B6	18000	7200
2.9	795	1.1	315.73	S083	TS71B6	18000	7200
2.8	808	1.7	320.79	S103	TS71B6	22000	9000
2.6	870	1.6	345.60	S103	TS71B6	22000	9000
2.3	994	1.4	394.69	S103	TS71B6	22000	9000

0.37 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
54.0	63	2.7	16.29	S052	TS71C6	5904	5904

5.1 S GEARED MOTORS (50Hz)

0.37 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
50.5	68	2.6	18.63	S052	TS80A6	6000	6000
48.7	67	Ex	57.86	S052	TS71A2	6000	6000
47.2	73	2.4	18.63	S052	TS71C6	6000	6000
46.0	74	2.8	30.00	S052	TS71B4	6000	6000
44.7	77	2.5	21.04	S052	TS80A6	6000	6000
42.4	80	3.2	32.55	S052	TS71B4	6000	6000
41.8	82	2.3	21.04	S052	TS71C6	6000	6000
39.1	88	2.1	24.07	S052	TS80A6	6000	6000
38.7	85	Ex	72.83	S052	TS71A2	6000	6000
38.0	84	Ex	74.20	S053	TS71A2	6000	6000
37.8	90	3.1	36.55	S052	TS71B4	6000	6000
37.6	85	Ex	74.20	S053	TS63C2	6000	6000
36.6	94	2.0	24.07	S052	TS71C6	6000	6000
36.5	94	2.2	25.79	S052	TS80A6	6000	6000
34.6	98	3.0	39.90	S052	TS71B4	6000	6000
34.1	100	2.1	25.79	S052	TS71C6	6000	6000
33.8	101	2.1	27.81	S052	TS80A6	6000	6000
32.4	105	2.8	42.63	S052	TS71B4	6000	6000
31.6	108	1.9	27.81	S052	TS71C6	6000	6000
31.3	109	1.9	30.00	S052	TS80A6	6000	6000
29.4	109	Ex	95.84	S053	TS71A2	6000	6000
29.3	117	1.8	30.00	S052	TS71C6	6000	6000
29.2	116	2.6	47.20	S052	TS71B4	6000	6000
29.1	110	Ex	95.84	S053	TS63C2	6000	6000
28.9	119	2.2	32.55	S052	TS80A6	6000	6000
28.2	114	Ex	99.89	S063	TS71A2	10000	4000
27.0	127	2.0	32.55	S052	TS71C6	6000	6000
26.4	128	2.3	52.25	S052	TS71B4	6000	6000
25.7	133	2.1	36.55	S052	TS80A6	6000	6000
24.1	142	2.0	36.55	S052	TS71C6	6000	6000
24.0	134	Ex	117.48	S053	TS71A2	6000	6000
23.8	142	2.1	57.86	S052	TS71B4	6000	6000
23.7	135	Ex	117.48	S053	TS63C2	6000	6000
23.6	145	2.0	39.90	S052	TS80A6	6000	6000
22.3	144	Ex	126.43	S063	TS71A2	10000	4000
22.1	155	1.9	39.90	S052	TS71C6	6000	6000
22.1	155	1.9	42.63	S052	TS80A6	6000	6000
21.5	159	3.2	43.64	S062	TS80A6	10000	4000
20.6	166	1.8	42.63	S052	TS71C6	6000	6000
20.5	156	Ex	137.45	S053	TS71A2	6000	6000
20.5	166	3.1	67.47	S062	TS71B4	10000	4000

5.1 S GEARED MOTORS (50Hz)

0.37 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
20.4	168	3.0	46.10	S062	TS80A6	10000	4000
20.3	158	Ex	137.45	S053	TS63C2	6000	6000
20.2	170	3.0	43.64	S062	TS71C6	10000	4000
19.9	172	1.7	47.20	S052	TS80A6	6000	6000
19.1	179	2.8	46.10	S062	TS71C6	10000	4000
18.9	179	1.7	72.83	S052	TS71B4	6000	6000
18.7	171	Ex	150.85	S063	TS71A2	10000	4000
18.6	184	1.6	47.20	S052	TS71C6	6000	6000
18.6	179	1.7	74.20	S053	TS71B4	6000	6000
18.0	190	1.6	52.25	S052	TS80A6	6000	6000
17.6	195	2.6	53.53	S062	TS80A6	10000	4000
17.1	200	2.5	55.00	S062	TS80A6	10000	4000
16.9	196	2.6	81.43	S063	TS71B4	10000	4000
16.8	203	1.5	52.25	S052	TS71C6	6000	6000
16.4	208	2.4	53.53	S062	TS71C6	10000	4000
16.2	211	1.4	57.86	S052	TS80A6	6000	6000
16.0	214	2.4	55.00	S062	TS71C6	10000	4000
15.9	202	Ex	177.55	S053	TS71A2	6000	6000
15.7	204	Ex	177.55	S053	TS63C2	6000	6000
15.3	210	Ex	184.88	S083	TS71A2	18000	7200
15.2	225	1.3	57.86	S052	TS71C6	6000	6000
15.2	210	Ex	185.05	S063	TS71A2	10000	4000
14.4	231	1.3	95.84	S053	TS71B4	6000	6000
14.2	226	Ex	198.45	S053	TS71A2	6000	6000
14.1	228	Ex	198.45	S053	TS63C2	6000	6000
13.9	246	2.1	67.47	S062	TS80A6	10000	4000
13.9	231	Ex	203.11	S083	TS71A2	18000	7200
13.8	240	2.1	99.89	S063	TS71B4	10000	4000
13.0	263	1.9	67.47	S062	TS71C6	10000	4000
12.9	265	1.1	72.83	S052	TS80A6	6000	6000
12.9	248	Ex	217.79	S063	TS71A2	10000	4000
12.7	265	1.1	74.20	S053	TS80A6	6000	6000
12.7	265	3.2	74.18	S083	TS80A6	18000	7200
12.1	284	1.1	72.83	S052	TS71C6	6000	6000
11.9	283	1.1	74.20	S053	TS71C6	6000	6000
11.8	282	3.0	117.17	S083	TS71B4	18000	7200
11.7	283	1.0	117.48	S053	TS71B4	6000	6000
11.5	291	1.8	81.43	S063	TS80A6	10000	4000
11.3	285	Ex	250.50	S083	TS71A2	18000	7200
10.9	304	1.7	126.43	S063	TS71B4	10000	4000
10.8	310	1.6	81.43	S063	TS71C6	10000	4000

5.1 S GEARED MOTORS (50Hz)

0.37 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
10.7	310	2.7	128.73	S083	TS71B4	18000	7200
10.6	304	Ex	267.16	S063	TS71A2	10000	4000
10.3	327	2.6	91.49	S083	TS80A6	18000	7200
9.6	332	Ex	292.36	S083	TS71A2	18000	7200
9.4	356	1.4	99.89	S063	TS80A6	10000	4000
9.1	363	1.4	150.85	S063	TS71B4	10000	4000
8.9	359	Ex	315.73	S083	TS71A2	18000	7200
8.8	381	1.3	99.89	S063	TS71C6	10000	4000
8.7	382	2.2	158.76	S083	TS71B4	18000	7200
8.0	418	2.0	117.17	S083	TS80A6	18000	7200
8.0	421	3.2	110.55	S103	TS71C6	22000	9000
7.9	418	3.3	173.78	S103	TS71B4	22000	9000
7.8	410	Ex	360.58	S083	TS71A2	18000	7200
7.5	445	1.2	185.05	S063	TS71B4	10000	4000
7.5	447	1.9	117.17	S083	TS71C6	18000	7200
7.5	445	1.9	184.88	S083	TS71B4	18000	7200
7.4	451	1.1	126.43	S063	TS80A6	10000	4000
7.3	459	1.9	128.73	S083	TS80A6	18000	7200
7.3	459	3.0	128.73	S103	TS80A6	22000	9000
7.0	482	1.1	126.43	S063	TS71C6	10000	4000
6.8	491	1.7	128.73	S083	TS71C6	18000	7200
6.8	489	1.7	203.11	S083	TS71B4	18000	7200
6.8	489	2.8	203.11	S103	TS71B4	22000	9000
6.8	491	2.8	128.73	S103	TS71C6	22000	9000
6.7	504	2.7	141.24	S103	TS80A6	22000	9000
6.2	538	2.5	141.24	S103	TS71C6	22000	9000
6.2	536	2.5	222.85	S103	TS71B4	22000	9000
5.9	567	1.5	158.76	S083	TS80A6	18000	7200
5.5	605	1.4	158.76	S083	TS71C6	18000	7200
5.5	603	1.4	250.50	S083	TS71B4	18000	7200
5.4	620	2.2	173.78	S103	TS80A6	22000	9000
5.1	660	1.3	184.88	S083	TS80A6	18000	7200
5.1	662	2.1	173.78	S103	TS71C6	22000	9000
5.0	660	2.1	274.20	S103	TS71B4	22000	9000
4.8	705	1.2	184.88	S083	TS71C6	18000	7200
4.7	704	1.2	292.36	S083	TS71B4	18000	7200
4.6	725	1.2	203.11	S083	TS80A6	18000	7200
4.6	725	1.9	203.11	S103	TS80A6	22000	9000
4.4	760	1.1	315.73	S083	TS71B4	18000	7200
4.3	774	1.1	203.11	S083	TS71C6	18000	7200
4.3	774	1.8	203.11	S103	TS71C6	22000	9000

5.1 S GEARED MOTORS (50Hz)

0.37 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
4.3	772	1.8	320.79	S103	TS71B4	22000	9000
4.2	795	1.7	222.85	S103	TS80A6	22000	9000
4.0	832	1.6	345.60	S103	TS71B4	22000	9000
3.9	850	1.6	222.85	S103	TS71C6	22000	9000
3.9	853	3.0	238.93	S123	TS80A6	30000	11200
3.5	950	1.4	394.69	S103	TS71B4	22000	9000
3.4	979	1.4	274.20	S103	TS80A6	22000	9000
3.4	1000	2.6	280.10	S123	TS80A6	30000	11200
3.2	1045	1.3	274.20	S103	TS71C6	22000	9000
3.1	1075	2.4	301.16	S123	TS80A6	30000	11200
2.9	1145	1.2	320.79	S103	TS80A6	22000	9000
2.7	1223	1.1	320.79	S103	TS71C6	22000	9000
2.7	1233	1.1	345.60	S103	TS80A6	22000	9000
2.7	1227	2.1	343.93	S123	TS80A6	30000	11200
2.5	1317	1.0	345.60	S103	TS71C6	22000	9000

0.55 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
107.8	47	2.6	8.63	S052	TS80B6	4719	4719
86.3	56	Ex	32.55	S052	TS71B2	5046	5046
83.5	61	2.2	11.14	S052	TS80B6	5079	5079
76.9	63	Ex	36.55	S052	TS71B2	5215	5215
75.1	67	2.6	18.63	S052	TS80A4	5236	5236
73.5	69	2.5	18.63	S052	TS71C4	5267	5267
70.4	69	Ex	39.90	S052	TS71B2	5346	5346
68.1	75	2.0	13.66	S052	TS80B6	5377	5377
66.6	76	2.5	21.04	S052	TS80A4	5415	5415
65.9	74	Ex	42.63	S052	TS71B2	5445	5445
65.1	77	2.4	21.04	S052	TS71C4	5448	5448
60.9	84	2.1	15.27	S052	TS80B6	5544	5544
59.5	82	Ex	47.20	S052	TS71B2	5600	5600
58.2	87	2.2	24.07	S052	TS80A4	5618	5618
57.1	89	2.0	16.29	S052	TS80B6	5641	5641
56.9	89	2.1	24.07	S052	TS71C4	5651	5651
54.3	93	2.2	25.79	S052	TS80A4	5723	5723
53.8	90	Ex	52.25	S052	TS71B2	5756	5756
53.1	95	2.2	25.79	S052	TS71C4	5756	5756
50.3	100	2.1	27.81	S052	TS80A4	5838	5838
49.9	102	1.7	18.63	S052	TS80B6	5846	5846
49.3	102	2.0	27.81	S052	TS71C4	5872	5872

5.1 S GEARED MOTORS (50Hz)

0.55 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
48.6	100	Ex	57.86	S052	TS71B2	5915	5915
46.7	108	1.9	30.00	S052	TS80A4	5955	5955
45.7	110	1.9	30.00	S052	TS71C4	5989	5989
44.2	115	1.6	21.04	S052	TS80B6	6000	6000
43.0	117	2.2	32.55	S052	TS80A4	6000	6000
42.1	120	2.1	32.55	S052	TS71C4	6000	6000
41.7	117	Ex	67.47	S062	TS71B2	10000	4000
40.1	127	2.7	23.18	S062	TS80B6	10000	4000
38.6	132	1.4	24.07	S052	TS80B6	6000	6000
38.6	126	Ex	72.83	S052	TS71B2	6000	6000
38.3	132	2.1	36.55	S052	TS80A4	6000	6000
37.9	126	Ex	74.20	S053	TS71B2	6000	6000
37.5	135	2.1	36.55	S052	TS71C4	6000	6000
37.0	138	2.5	25.14	S062	TS80B6	10000	4000
36.1	141	1.5	25.79	S052	TS80B6	6000	6000
35.1	144	2.1	39.90	S052	TS80A4	6000	6000
34.5	138	Ex	81.43	S063	TS71B2	10000	4000
34.3	147	2.0	39.90	S052	TS71C4	6000	6000
33.6	151	2.3	27.66	S062	TS80B6	10000	4000
33.4	152	1.4	27.81	S052	TS80B6	6000	6000
32.8	154	1.9	42.63	S052	TS80A4	6000	6000
32.1	157	1.9	42.63	S052	TS71C4	6000	6000
32.1	157	3.2	43.64	S062	TS80A4	10000	4000
31.4	161	3.2	43.64	S062	TS71C4	10000	4000
31.0	164	1.3	30.00	S052	TS80B6	6000	6000
31.0	164	2.2	30.00	S062	TS80B6	10000	4000
30.4	166	3.1	46.10	S062	TS80A4	10000	4000
29.7	170	1.8	47.20	S052	TS80A4	6000	6000
29.7	170	3.0	46.10	S062	TS71C4	10000	4000
29.3	163	Ex	95.84	S053	TS71B2	6000	6000
29.0	174	1.7	47.20	S052	TS71C4	6000	6000
28.6	178	1.4	32.55	S052	TS80B6	6000	6000
28.1	169	Ex	99.89	S063	TS71B2	10000	4000
26.8	188	1.6	52.25	S052	TS80A4	6000	6000
26.2	192	1.5	52.25	S052	TS71C4	6000	6000
26.2	193	2.6	53.53	S062	TS80A4	10000	4000
25.6	197	2.6	53.53	S062	TS71C4	10000	4000
25.5	198	2.6	55.00	S062	TS80A4	10000	4000
25.4	200	1.4	36.55	S052	TS80B6	6000	6000
25.4	200	2.5	36.57	S062	TS80B6	10000	4000
24.9	202	2.5	55.00	S062	TS71C4	10000	4000

5.1 S GEARED MOTORS (50Hz)

0.55 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
24.2	208	1.4	57.86	S052	TS80A4	6000	6000
24.0	199	Ex	117.17	S083	TS71B2	18000	7200
23.9	199	Ex	117.48	S053	TS71B2	6000	6000
23.7	213	1.4	57.86	S052	TS71C4	6000	6000
23.6	216	2.4	39.38	S062	TS80B6	10000	4000
23.3	218	1.4	39.90	S052	TS80B6	6000	6000
22.2	214	Ex	126.43	S063	TS71B2	10000	4000
21.8	233	1.3	42.63	S052	TS80B6	6000	6000
21.8	218	Ex	128.73	S083	TS71B2	18000	7200
21.3	239	2.1	43.64	S062	TS80B6	10000	4000
20.8	243	2.1	67.47	S062	TS80A4	10000	4000
20.4	233	Ex	137.45	S053	TS71B2	6000	6000
20.3	248	2.1	67.47	S062	TS71C4	10000	4000
20.2	252	2.0	46.10	S062	TS80B6	10000	4000
19.7	258	1.2	47.20	S052	TS80B6	6000	6000
19.2	262	1.1	72.83	S052	TS80A4	6000	6000
18.9	262	1.1	74.20	S053	TS80A4	6000	6000
18.9	262	3.2	74.18	S083	TS80A4	18000	7200
18.8	268	1.1	72.83	S052	TS71C4	6000	6000
18.6	256	Ex	150.85	S063	TS71B2	10000	4000
18.5	267	1.1	74.20	S053	TS71C4	6000	6000
18.5	275	3.1	50.25	S082	TS80B6	18000	7200
17.8	286	1.0	52.25	S052	TS80B6	6000	6000
17.7	269	Ex	158.76	S083	TS71B2	18000	7200
17.4	293	1.7	53.53	S062	TS80B6	10000	4000
17.2	287	1.8	81.43	S063	TS80A4	10000	4000
17.1	297	2.9	54.27	S082	TS80B6	18000	7200
16.9	301	1.7	55.00	S062	TS80B6	10000	4000
16.8	293	1.7	81.43	S063	TS71C4	10000	4000
15.3	323	2.6	91.49	S083	TS80A4	18000	7200
15.2	314	Ex	185.05	S063	TS71B2	10000	4000
15.2	313	Ex	184.88	S083	TS71B2	18000	7200
15.0	339	2.5	61.98	S082	TS80B6	18000	7200
14.0	352	1.4	99.89	S063	TS80A4	10000	4000
13.8	369	1.4	67.47	S062	TS80B6	10000	4000
13.8	362	2.3	67.52	S083	TS80B6	18000	7200
13.8	344	Ex	203.11	S083	TS71B2	18000	7200
13.7	360	1.4	99.89	S063	TS71C4	10000	4000
12.9	369	Ex	217.79	S063	TS71B2	10000	4000
12.5	398	2.1	74.18	S083	TS80B6	18000	7200
11.9	413	2.1	117.17	S083	TS80A4	18000	7200

5.1 S GEARED MOTORS (50Hz)

0.55 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
11.7	422	2.0	117.17	S083	TS71C4	18000	7200
11.4	437	1.2	81.43	S063	TS80B6	10000	4000
11.4	436	3.1	81.39	S103	TS80B6	22000	9000
11.2	425	Ex	250.50	S083	TS71B2	18000	7200
11.1	446	1.1	126.43	S063	TS80A4	10000	4000
10.9	454	1.9	128.73	S083	TS80A4	18000	7200
10.9	454	3.0	128.73	S103	TS80A4	22000	9000
10.8	456	1.1	126.43	S063	TS71C4	10000	4000
10.6	464	1.8	128.73	S083	TS71C4	18000	7200
10.6	464	2.9	128.73	S103	TS71C4	22000	9000
10.2	491	1.7	91.49	S083	TS80B6	18000	7200
9.9	498	2.7	141.24	S103	TS80A4	22000	9000
9.7	509	2.7	141.24	S103	TS71C4	22000	9000
9.6	496	Ex	292.36	S083	TS71B2	18000	7200
9.3	537	2.5	100.15	S103	TS80B6	22000	9000
8.9	535	Ex	315.73	S083	TS71B2	18000	7200
8.8	560	1.5	158.76	S083	TS80A4	18000	7200
8.6	572	1.5	158.76	S083	TS71C4	18000	7200
8.4	593	2.3	110.55	S103	TS80B6	22000	9000
8.1	613	2.2	173.78	S103	TS80A4	22000	9000
7.9	628	1.4	117.17	S083	TS80B6	18000	7200
7.9	626	2.2	173.78	S103	TS71C4	22000	9000
7.8	611	Ex	360.58	S083	TS71B2	18000	7200
7.6	652	1.3	184.88	S083	TS80A4	18000	7200
7.4	666	1.3	184.88	S083	TS71C4	18000	7200
7.2	690	1.2	128.73	S083	TS80B6	18000	7200
7.2	690	2.0	128.73	S103	TS80B6	22000	9000
6.9	716	1.2	203.11	S083	TS80A4	18000	7200
6.9	716	1.9	203.11	S103	TS80A4	22000	9000
6.7	732	1.2	203.11	S083	TS71C4	18000	7200
6.7	732	1.9	203.11	S103	TS71C4	22000	9000
6.6	757	1.8	141.24	S103	TS80B6	22000	9000
6.3	786	1.7	222.85	S103	TS80A4	22000	9000
6.1	803	1.7	222.85	S103	TS71C4	22000	9000
6.1	812	3.2	151.43	S123	TS80B6	30000	11200
5.9	843	3.0	238.93	S123	TS80A4	30000	11200
5.4	932	1.5	173.78	S103	TS80B6	22000	9000
5.2	952	2.7	177.53	S123	TS80B6	30000	11200
5.1	967	1.4	274.20	S103	TS80A4	22000	9000
5.0	988	1.4	274.20	S103	TS71C4	22000	9000
5.0	988	2.6	280.10	S123	TS80A4	30000	11200

5.1 S GEARED MOTORS (50Hz)

0.55 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
4.8	1043	2.4	194.59	S123	TS80B6	30000	11200
4.6	1089	1.3	203.11	S103	TS80B6	22000	9000
4.6	1062	2.4	301.16	S123	TS80A4	30000	11200
4.4	1131	1.2	320.79	S103	TS80A4	22000	9000
4.3	1156	1.2	320.79	S103	TS71C4	22000	9000
4.2	1195	1.1	222.85	S103	TS80B6	22000	9000
4.1	1219	1.1	345.60	S103	TS80A4	22000	9000
4.1	1213	2.1	343.93	S123	TS80A4	30000	11200
4.0	1246	1.1	345.60	S103	TS71C4	22000	9000
3.9	1281	2.0	238.93	S123	TS80B6	30000	11200
3.3	1502	1.7	280.10	S123	TS80B6	30000	11200
3.1	1615	1.6	301.16	S123	TS80B6	30000	11200
2.7	1844	1.4	343.93	S123	TS80B6	30000	11200

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
136.0	49	Ex	21.04	S052	TP80A2	4342	4342
135.0	49	Ex	21.04	S052	TH80A2	4351	4351
133.6	50	Ex	21.04	S052	TS80A2	4364	4364
133.1	50	Ex	21.04	S052	TS71C2	4369	4369
129.3	53	2.6	11.14	S052	TP80B4	4394	4394
128.4	54	2.6	11.14	S052	TH80B4	4403	4403
125.7	55	2.5	11.14	S052	TS80B4	4430	4430
118.8	56	Ex	24.07	S052	TP80A2	4511	4511
118.0	56	Ex	24.07	S052	TH80A2	4520	4520
116.8	57	Ex	24.07	S052	TS80A2	4534	4534
116.3	57	Ex	24.07	S052	TS71C2	4538	4538
110.9	60	Ex	25.79	S052	TP80A2	4600	4600
110.1	60	Ex	25.79	S052	TH80A2	4609	4609
109.0	61	Ex	25.79	S052	TS80A2	4622	4622
109.0	64	1.9	8.63	S052	TH90S6	4606	4606
109.0	64	1.9	8.63	S052	TP90S6	4606	4606
108.6	61	Ex	25.79	S052	TS71C2	4627	4627
106.7	65	1.9	8.63	S052	TS80C6	4633	4633
106.7	65	1.9	8.63	S052	TS90S6	4633	4633
105.4	65	2.3	13.66	S052	TP80B4	4652	4652
104.7	66	2.3	13.66	S052	TH80B4	4660	4660
102.8	65	Ex	27.81	S052	TP80A2	4697	4697
102.5	67	2.3	13.66	S052	TS80B4	4688	4688
102.1	65	Ex	27.81	S052	TH80A2	4706	4706

5.1 S GEARED MOTORS (50Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
101.0	66	Ex	27.81	S052	TS80A2	4720	4720
100.7	66	Ex	27.81	S052	TS71C2	4725	4725
95.3	70	Ex	30.00	S052	TP80A2	4796	4796
94.7	70	Ex	30.00	S052	TH80A2	4805	4805
94.3	73	2.4	15.27	S052	TP80B4	4796	4796
93.7	71	Ex	30.00	S052	TS80A2	4819	4819
93.6	73	2.4	15.27	S052	TH80B4	4805	4805
93.3	71	Ex	30.00	S052	TS71C2	4824	4824
91.7	75	2.3	15.27	S052	TS80B4	4833	4833
88.4	78	2.2	16.29	S052	TP80B4	4880	4880
87.9	76	Ex	32.55	S052	TP80A2	4904	4904
87.8	78	2.2	16.29	S052	TH80B4	4889	4889
87.3	76	Ex	32.55	S052	TH80A2	4913	4913
86.3	77	Ex	32.55	S052	TS80A2	4927	4927
86.0	80	2.2	16.29	S052	TS80B4	4916	4916
86.0	77	Ex	32.55	S052	TS71C2	4932	4932
84.4	82	1.7	11.14	S052	TH90S6	4936	4936
84.4	82	1.7	11.14	S052	TP90S6	4936	4936
82.6	84	1.6	11.14	S052	TS90S6	4964	4964
82.6	84	1.6	11.14	S052	TS80C6	4964	4964
78.3	85	Ex	36.55	S052	TP80A2	5058	5058
77.7	85	Ex	36.55	S052	TH80A2	5067	5067
77.3	89	2.0	18.63	S052	TP80B4	5057	5057
76.9	86	Ex	36.55	S052	TS80A2	5082	5082
76.8	90	1.9	18.63	S052	TH80B4	5066	5066
76.6	87	Ex	36.55	S052	TS71C2	5086	5086
75.1	92	1.9	18.63	S052	TS80B4	5094	5094
71.7	93	Ex	39.90	S052	TP80A2	5176	5176
71.2	93	Ex	39.90	S052	TH80A2	5185	5185
70.4	94	Ex	39.90	S052	TS80A2	5200	5200
70.2	95	Ex	39.90	S052	TS71C2	5205	5205
68.8	101	1.5	13.66	S052	TH90S6	5205	5205
68.8	101	1.5	13.66	S052	TP90S6	5205	5205
68.5	100	1.9	21.04	S052	TP80B4	5218	5218
68.0	101	1.9	21.04	S052	TH80B4	5227	5227
67.4	103	1.5	13.66	S052	TS80C6	5233	5233
67.4	103	1.5	13.66	S052	TS90S6	5233	5233
67.1	99	Ex	42.63	S052	TP80A2	5265	5265
66.6	100	Ex	42.63	S052	TH80A2	5275	5275
66.6	103	1.8	21.04	S052	TS80B4	5255	5255
65.9	101	Ex	42.63	S052	TS80A2	5289	5289

5.1 S GEARED MOTORS (50Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
65.7	101	Ex	42.63	S052	TS71C2	5294	5294
61.5	113	1.5	15.27	S052	TH90S6	5353	5353
61.5	113	1.5	15.27	S052	TP90S6	5353	5353
60.6	110	Ex	47.20	S052	TP80A2	5403	5403
60.2	115	1.5	15.27	S052	TS80C6	5381	5381
60.2	115	1.5	15.27	S052	TS90S6	5381	5381
60.2	110	Ex	47.20	S052	TH80A2	5413	5413
59.8	115	1.6	24.07	S052	TP80B4	5397	5397
59.5	111	Ex	47.20	S052	TS80A2	5427	5427
59.4	116	1.6	24.07	S052	TH80B4	5406	5406
59.3	112	Ex	47.20	S052	TS71C2	5432	5432
58.2	118	1.6	24.07	S052	TS80B4	5435	5435
57.7	120	1.4	16.29	S052	TH90S6	5438	5438
57.7	120	1.4	16.29	S052	TP90S6	5438	5438
57.7	120	2.7	15.94	S062	TS80C6	9788	3915
57.7	120	2.7	15.94	S062	TS90S6	9788	3915
57.3	120	2.9	25.14	S062	TP80B4	9818	3927
56.9	121	2.9	25.14	S062	TH80B4	9837	3935
56.5	123	1.4	16.29	S052	TS80C6	5467	5467
56.5	123	1.4	16.29	S052	TS90S6	5467	5467
55.8	123	1.7	25.79	S052	TP80B4	5489	5489
55.7	123	2.8	25.14	S062	TS80B4	9895	3958
55.5	124	1.7	25.79	S052	TH80B4	5498	5498
54.7	121	Ex	52.25	S052	TP80A2	5541	5541
54.4	122	Ex	52.25	S052	TH80A2	5551	5551
54.3	127	1.6	25.79	S052	TS80B4	5527	5527
53.8	123	Ex	52.25	S052	TS80A2	5565	5565
53.6	124	Ex	52.25	S052	TS71C2	5570	5570
53.4	124	Ex	53.53	S062	TP80A2	10000	4000
53.1	125	Ex	53.53	S062	TH80A2	10000	4000
52.5	126	Ex	53.53	S062	TS80A2	10000	4000
52.3	127	Ex	53.53	S062	TS71C2	10000	4000
52.1	132	2.6	27.66	S062	TP80B4	10000	4000
52.0	128	Ex	55.00	S062	TP80A2	10000	4000
51.8	133	1.6	27.81	S052	TP80B4	5590	5590
51.7	133	2.6	27.66	S062	TH80B4	10000	4000
51.6	129	Ex	55.00	S062	TH80A2	10000	4000
51.4	134	1.6	27.81	S052	TH80B4	5599	5599
51.1	130	Ex	55.00	S062	TS80A2	10000	4000
50.9	130	Ex	55.00	S062	TS71C2	10000	4000
50.6	136	2.5	27.66	S062	TS80B4	10000	4000

5.1 S GEARED MOTORS (50Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
50.5	138	1.3	18.63	S052	TH90S6	5616	5616
50.5	138	1.3	18.63	S052	TP90S6	5616	5616
50.3	137	1.5	27.81	S052	TS80B4	5627	5627
49.4	141	1.2	18.63	S052	TS80C6	5644	5644
49.4	134	Ex	57.86	S052	TP80A2	5680	5680
49.4	141	1.2	18.63	S052	TS90S6	5644	5644
49.1	135	Ex	57.86	S052	TH80A2	5689	5689
48.6	137	Ex	57.86	S052	TS80A2	5703	5703
48.4	137	Ex	57.86	S052	TS71C2	5708	5708
48.1	144	2.3	19.55	S062	TH90S6	10000	4000
48.1	144	2.3	19.55	S062	TP90S6	10000	4000
48.0	143	1.5	30.00	S052	TP80B4	5690	5690
48.0	143	2.5	30.00	S062	TP80B4	10000	4000
47.7	144	1.4	30.00	S052	TH80B4	5699	5699
47.7	144	2.5	30.00	S062	TH80B4	10000	4000
47.1	148	2.2	19.55	S062	TS80C6	10000	4000
47.1	148	2.2	19.55	S062	TS90S6	10000	4000
46.7	147	1.4	30.00	S052	TS80B4	5727	5727
46.7	147	2.4	30.00	S062	TS80B4	10000	4000
44.7	155	1.2	21.04	S052	TH90S6	5775	5775
44.7	155	1.2	21.04	S052	TP90S6	5775	5775
44.2	155	1.6	32.55	S052	TP80B4	5797	5797
43.9	157	1.6	32.55	S052	TH80B4	5806	5806
43.7	159	1.2	21.04	S052	TS90S6	5803	5803
43.7	159	1.2	21.04	S052	TS80C6	5803	5803
43.0	160	1.6	32.55	S052	TS80B4	5834	5834
42.4	157	Ex	67.47	S062	TP80A2	10000	4000
42.1	158	Ex	67.47	S062	TH80A2	10000	4000
41.7	159	Ex	67.47	S062	TS80A2	10000	4000
41.5	160	Ex	67.47	S062	TS71C2	10000	4000
40.6	171	2.0	23.18	S062	TH90S6	10000	4000
40.6	171	2.0	23.18	S062	TP90S6	10000	4000
39.7	175	1.9	23.18	S062	TS80C6	10000	4000
39.7	175	1.9	23.18	S062	TS90S6	10000	4000
39.4	175	1.6	36.55	S052	TP80B4	5947	5947
39.4	175	2.9	36.57	S062	TP80B4	10000	4000
39.3	169	Ex	72.83	S052	TP80A2	5987	5987
39.1	178	1.1	24.07	S052	TH90S6	5948	5948
39.1	178	1.1	24.07	S052	TP90S6	5948	5948
39.1	176	1.6	36.55	S052	TH80B4	5956	5956
39.1	176	2.9	36.57	S062	TH80B4	10000	4000

5.1 S GEARED MOTORS (50Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
39.0	170	Ex	72.83	S052	TH80A2	5997	5997
38.6	172	Ex	72.83	S052	TS80A2	6000	6000
38.5	169	Ex	74.20	S053	TP80A2	6000	6000
38.4	173	Ex	72.83	S052	TS71C2	6000	6000
38.3	179	1.6	36.55	S052	TS80B4	5983	5983
38.3	170	Ex	74.20	S053	TH80A2	6000	6000
38.3	180	2.8	36.57	S062	TS80B4	10000	4000
38.2	182	1.0	24.07	S052	TS80C6	5976	5976
38.2	182	1.0	24.07	S052	TS90S6	5976	5976
37.9	172	Ex	74.20	S053	TS80A2	6000	6000
37.7	172	Ex	74.20	S053	TS71C2	6000	6000
37.4	186	1.9	25.14	S062	TH90S6	10000	4000
37.4	186	1.9	25.14	S062	TP90S6	10000	4000
36.6	188	2.7	39.38	S062	TP80B4	10000	4000
36.6	190	1.8	25.14	S062	TS80C6	10000	4000
36.6	190	1.8	25.14	S062	TS90S6	10000	4000
36.5	191	1.1	25.79	S052	TH90S6	6000	6000
36.5	191	1.1	25.79	S052	TP90S6	6000	6000
36.3	189	2.7	39.38	S062	TH80B4	10000	4000
36.1	191	1.6	39.90	S052	TP80B4	6000	6000
35.8	192	1.6	39.90	S052	TH80B4	6000	6000
35.7	195	1.1	25.79	S052	TS80C6	6000	6000
35.7	195	1.1	25.79	S052	TS90S6	6000	6000
35.6	193	2.6	39.38	S062	TS80B4	10000	4000
35.1	196	1.5	39.90	S052	TS80B4	6000	6000
35.1	185	Ex	81.43	S063	TP80A2	10000	4000
34.9	186	Ex	81.43	S063	TH80A2	10000	4000
34.5	188	Ex	81.43	S063	TS80A2	10000	4000
34.4	189	Ex	81.43	S063	TS71C2	10000	4000
34.0	204	1.7	27.66	S062	TH90S6	10000	4000
34.0	204	1.7	27.66	S062	TP90S6	10000	4000
33.8	204	1.5	42.63	S052	TP80B4	6000	6000
33.8	205	1.0	27.81	S052	TH90S6	6000	6000
33.8	205	1.0	27.81	S052	TP90S6	6000	6000
33.5	205	1.5	42.63	S052	TH80B4	6000	6000
33.3	209	1.7	27.66	S062	TS80C6	10000	4000
33.3	209	1.7	27.66	S062	TS90S6	10000	4000
33.0	208	2.4	43.64	S062	TP80B4	10000	4000
32.8	209	1.4	42.63	S052	TS80B4	6000	6000
32.8	210	2.4	43.64	S062	TH80B4	10000	4000
32.1	214	2.4	43.64	S062	TS80B4	10000	4000

5.1 S GEARED MOTORS (50Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
31.3	222	1.6	30.00	S062	TH90S6	10000	4000
31.3	222	1.6	30.00	S062	TP90S6	10000	4000
31.3	208	Ex	91.49	S083	TP80A2	18000	6986
31.2	220	2.3	46.10	S062	TP80B4	10000	4000
31.0	222	2.3	46.10	S062	TH80B4	10000	4000
31.0	209	Ex	91.49	S083	TH80A2	18000	7001
30.7	226	1.6	30.00	S062	TS80C6	10000	4000
30.7	226	1.6	30.00	S062	TS90S6	10000	4000
30.7	212	Ex	91.49	S083	TS80A2	18000	7025
30.5	225	1.3	47.20	S052	TP80B4	6000	6000
30.4	226	2.3	46.10	S062	TS80B4	10000	4000
30.3	227	1.3	47.20	S052	TH80B4	6000	6000
29.8	218	Ex	95.84	S053	TP80A2	6000	6000
29.7	232	1.3	47.20	S052	TS80B4	6000	6000
29.6	219	Ex	95.84	S053	TH80A2	6000	6000
29.3	222	Ex	95.84	S053	TS80A2	6000	6000
29.2	222	Ex	95.84	S053	TS71C2	6000	6000
28.9	240	1.1	32.55	S052	TH90S6	6000	6000
28.9	240	1.1	32.55	S052	TP90S6	6000	6000
28.6	227	Ex	99.89	S063	TP80A2	10000	4000
28.4	229	Ex	99.89	S063	TH80A2	10000	4000
28.3	246	1.0	32.55	S052	TS80C6	6000	6000
28.3	246	1.0	32.55	S052	TS90S6	6000	6000
28.1	231	Ex	99.89	S063	TS80A2	10000	4000
28.0	232	Ex	99.89	S063	TS71C2	10000	4000
27.6	249	1.2	52.25	S052	TP80B4	6000	6000
27.4	251	1.2	52.25	S052	TH80B4	6000	6000
26.9	256	2.0	53.53	S062	TP80B4	10000	4000
26.8	257	1.2	52.25	S052	TS80B4	6000	6000
26.7	257	2.0	53.53	S062	TH80B4	10000	4000
26.5	259	3.3	54.27	S082	TP80B4	18000	7200
26.4	261	3.3	54.27	S082	TH80B4	18000	7200
26.4	264	3.2	34.91	S082	TS80C6	18000	7200
26.4	264	3.2	34.91	S082	TS90S6	18000	7200
26.2	263	1.9	53.53	S062	TS80B4	10000	4000
26.2	263	1.9	55.00	S062	TP80B4	10000	4000
26.0	264	1.9	55.00	S062	TH80B4	10000	4000
25.8	267	3.2	54.27	S082	TS80B4	18000	7200
25.7	270	1.0	36.55	S052	TH90S6	6000	6000
25.7	270	1.0	36.55	S052	TP90S6	6000	6000
25.7	270	1.9	36.57	S062	TH90S6	10000	4000

5.1 S GEARED MOTORS (50Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
25.7	270	1.9	36.57	S062	TP90S6	10000	4000
25.5	270	1.9	55.00	S062	TS80B4	10000	4000
25.2	276	1.0	36.55	S052	TS80C6	6000	6000
25.2	276	1.0	36.55	S052	TS90S6	6000	6000
25.2	276	1.8	36.57	S062	TS80C6	10000	4000
25.2	276	1.8	36.57	S062	TS90S6	10000	4000
24.9	276	1.1	57.86	S052	TP80B4	6000	6000
24.7	278	1.1	57.86	S052	TH80B4	6000	6000
24.4	266	Ex	117.17	S083	TP80A2	18000	7200
24.2	284	1.0	57.86	S052	TS80B4	6000	6000
24.2	268	Ex	117.17	S083	TH80A2	18000	7200
24.0	271	Ex	117.17	S083	TS80A2	18000	7200
23.9	291	1.8	39.38	S062	TH90S6	10000	4000
23.9	291	1.8	39.38	S062	TP90S6	10000	4000
23.9	272	Ex	117.17	S083	TS71C2	18000	7200
23.6	295	1.0	39.90	S052	TH90S6	6000	6000
23.6	295	1.0	39.90	S052	TP90S6	6000	6000
23.5	296	2.9	40.05	S082	TH90S6	18000	7200
23.5	296	2.9	40.05	S082	TP90S6	18000	7200
23.4	297	1.7	39.38	S062	TS80C6	10000	4000
23.4	297	1.7	39.38	S062	TS90S6	10000	4000
23.2	296	2.9	61.98	S082	TP80B4	18000	7200
23.1	298	2.9	61.98	S082	TH80B4	18000	7200
23.0	302	2.8	40.05	S082	TS80C6	18000	7200
23.0	302	2.8	40.05	S082	TS90S6	18000	7200
22.6	287	Ex	126.43	S063	TP80A2	10000	4000
22.6	304	2.8	61.98	S082	TS80B4	18000	7200
22.5	289	Ex	126.43	S063	TH80A2	10000	4000
22.2	292	Ex	126.43	S063	TS80A2	10000	4000
22.2	292	Ex	128.73	S083	TP80A2	18000	7200
22.1	293	Ex	126.43	S063	TS71C2	10000	4000
22.1	294	Ex	128.73	S083	TH80A2	18000	7200
21.8	318	2.7	43.05	S082	TH90S6	18000	7200
21.8	318	2.7	43.05	S082	TP90S6	18000	7200
21.8	299	Ex	128.73	S083	TS71C2	18000	7200
21.8	298	Ex	128.73	S083	TS80A2	18000	7200
21.5	322	1.6	43.64	S062	TH90S6	10000	4000
21.5	322	1.6	43.64	S062	TP90S6	10000	4000
21.4	325	2.6	43.05	S082	TS80C6	18000	7200
21.4	325	2.6	43.05	S082	TS90S6	18000	7200
21.3	322	1.6	67.47	S062	TP80B4	10000	4000

5.1 S GEARED MOTORS (50Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
21.3	316	2.7	67.52	S083	TP80B4	18000	7200
21.2	324	1.6	67.47	S062	TH80B4	10000	4000
21.2	318	2.7	67.52	S083	TH80B4	18000	7200
21.1	329	1.5	43.64	S062	TS90S6	10000	4000
21.1	329	1.5	43.64	S062	TS80C6	10000	4000
20.8	331	1.5	67.47	S062	TS80B4	10000	4000
20.7	325	2.6	67.52	S083	TS80B4	18000	7200
20.4	341	1.5	46.10	S062	TH90S6	10000	4000
20.4	341	1.5	46.10	S062	TP90S6	10000	4000
20.0	348	1.5	46.10	S062	TS80C6	10000	4000
20.0	348	1.5	46.10	S062	TS90S6	10000	4000
19.4	347	2.5	74.18	S083	TP80B4	18000	7200
19.3	349	2.4	74.18	S083	TH80B4	18000	7200
19.0	343	Ex	150.85	S063	TP80A2	10000	4000
18.9	357	2.4	74.18	S083	TS80B4	18000	7200
18.8	345	Ex	150.85	S063	TH80A2	10000	4000
18.7	371	2.3	50.25	S082	TH90S6	18000	7200
18.7	371	2.3	50.25	S082	TP90S6	18000	7200
18.6	350	Ex	150.85	S063	TS71C2	10000	4000
18.6	349	Ex	150.85	S063	TS80A2	10000	4000
18.3	379	2.2	50.25	S082	TS80C6	18000	7200
18.3	379	2.2	50.25	S082	TS90S6	18000	7200
18.0	361	Ex	158.76	S083	TP80A2	18000	7200
17.9	363	Ex	158.76	S083	TH80A2	18000	7200
17.7	381	1.3	81.43	S063	TP80B4	10000	4000
17.7	367	Ex	158.76	S083	TS80A2	18000	7200
17.6	395	1.3	53.53	S062	TH90S6	10000	4000
17.6	395	1.3	53.53	S062	TP90S6	10000	4000
17.6	383	1.3	81.43	S063	TH80B4	10000	4000
17.6	368	Ex	158.76	S083	TS71C2	18000	7200
17.3	401	2.1	54.27	S082	TH90S6	18000	7200
17.3	401	2.1	54.27	S082	TP90S6	18000	7200
17.2	404	1.3	53.53	S062	TS80C6	10000	4000
17.2	404	1.3	53.53	S062	TS90S6	10000	4000
17.2	392	1.3	81.43	S063	TS80B4	10000	4000
17.1	406	1.3	55.00	S062	TH90S6	10000	4000
17.1	406	1.3	55.00	S062	TP90S6	10000	4000
17.0	410	2.1	54.27	S082	TS90S6	18000	7200
17.0	410	2.1	54.27	S082	TS80C6	18000	7200
17.0	407	2.7	55.14	S102	TH90S6	22000	9000
17.0	407	2.7	55.14	S102	TP90S6	22000	9000

5.1 S GEARED MOTORS (50Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
16.7	415	1.2	55.00	S062	TS80C6	10000	4000
16.7	415	1.2	55.00	S062	TS90S6	10000	4000
16.7	416	2.7	55.14	S102	TS80C6	22000	9000
16.7	416	2.7	55.14	S102	TS90S6	22000	9000
15.8	439	3.1	59.40	S102	TH90S6	22000	9000
15.8	439	3.1	59.40	S102	TP90S6	22000	9000
15.7	428	2.0	91.49	S083	TP80B4	18000	7200
15.6	431	2.0	91.49	S083	TH80B4	18000	7200
15.5	420	Ex	185.05	S063	TP80A2	10000	4000
15.5	420	Ex	184.88	S083	TP80A2	18000	7200
15.5	448	3.0	59.40	S102	TS80C6	22000	9000
15.5	448	3.0	59.40	S102	TS90S6	22000	9000
15.4	423	Ex	184.88	S083	TH80A2	18000	7200
15.3	423	Ex	185.05	S063	TH80A2	10000	4000
15.3	440	1.9	91.49	S083	TS80B4	18000	7200
15.2	428	Ex	185.05	S063	TS80A2	10000	4000
15.2	458	1.9	61.98	S082	TH90S6	18000	7200
15.2	458	1.9	61.98	S082	TP90S6	18000	7200
15.2	427	Ex	184.88	S083	TS80A2	18000	7200
15.1	429	Ex	185.05	S063	TS71C2	10000	4000
15.1	429	Ex	184.88	S083	TS71C2	18000	7200
14.8	468	1.8	61.98	S082	TS80C6	18000	7200
14.8	468	1.8	61.98	S082	TS90S6	18000	7200
14.4	467	1.1	99.89	S063	TP80B4	10000	4000
14.4	468	2.9	100.15	S103	TP80B4	22000	9000
14.3	470	1.1	99.89	S063	TH80B4	10000	4000
14.3	472	2.9	100.15	S103	TH80B4	22000	9000
14.1	461	Ex	203.11	S083	TP80A2	18000	7200
14.0	480	1.1	99.89	S063	TS80B4	10000	4000
14.0	465	Ex	203.11	S083	TH80A2	18000	7200
14.0	482	2.8	100.15	S103	TS80B4	22000	9000
13.9	498	1.0	67.47	S062	TH90S6	10000	4000
13.9	498	1.0	67.47	S062	TP90S6	10000	4000
13.9	488	1.7	67.52	S083	TH90S6	18000	7200
13.9	488	1.7	67.52	S083	TP90S6	18000	7200
13.9	501	2.7	67.84	S102	TH90S6	22000	9000
13.9	501	2.7	67.84	S102	TP90S6	22000	9000
13.8	471	Ex	203.11	S083	TS71C2	18000	7200
13.8	470	Ex	203.11	S083	TS80A2	18000	7200
13.6	509	1.0	67.47	S062	TS80C6	10000	4000
13.6	509	1.0	67.47	S062	TS90S6	10000	4000

5.1 S GEARED MOTORS (50Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
13.6	499	1.7	67.52	S083	TS80C6	18000	7200
13.6	499	1.7	67.52	S083	TS90S6	18000	7200
13.6	512	2.7	67.84	S102	TS80C6	22000	9000
13.6	512	2.7	67.84	S102	TS90S6	22000	9000
13.0	517	2.6	110.55	S103	TP80B4	22000	9000
12.9	520	2.6	110.55	S103	TH80B4	22000	9000
12.7	537	1.6	74.18	S083	TH90S6	18000	7200
12.7	537	1.6	74.18	S083	TP90S6	18000	7200
12.7	537	2.5	74.18	S103	TH90S6	22000	9000
12.7	537	2.5	74.18	S103	TP90S6	22000	9000
12.7	532	2.6	110.55	S103	TS80B4	22000	9000
12.4	548	1.6	74.18	S083	TS80C6	18000	7200
12.4	548	1.6	74.18	S083	TS90S6	18000	7200
12.4	548	2.5	74.18	S103	TS80C6	22000	9000
12.4	548	2.5	74.18	S103	TS90S6	22000	9000
12.3	548	1.6	117.17	S083	TP80B4	18000	7200
12.2	552	1.5	117.17	S083	TH80B4	18000	7200
11.9	564	1.5	117.17	S083	TS80B4	18000	7200
11.5	589	2.3	81.39	S103	TH90S6	22000	9000
11.5	589	2.3	81.39	S103	TP90S6	22000	9000
11.4	569	Ex	250.50	S083	TP80A2	18000	7200
11.3	573	Ex	250.50	S083	TH80A2	18000	7200
11.3	602	2.3	81.39	S103	TS80C6	22000	9000
11.3	602	2.3	81.39	S103	TS90S6	22000	9000
11.2	602	1.4	128.73	S083	TP80B4	18000	7200
11.2	581	Ex	250.50	S083	TS71C2	18000	7200
11.2	579	Ex	250.50	S083	TS80A2	18000	7200
11.2	602	2.3	128.73	S103	TP80B4	22000	9000
11.1	606	1.4	128.73	S083	TH80B4	18000	7200
11.1	606	2.3	128.73	S103	TH80B4	22000	9000
10.9	619	1.4	128.73	S083	TS80B4	18000	7200
10.9	619	2.2	128.73	S103	TS80B4	22000	9000
10.3	662	1.3	91.49	S083	TH90S6	18000	7200
10.3	662	1.3	91.49	S083	TP90S6	18000	7200
10.2	660	2.1	141.24	S103	TP80B4	22000	9000
10.1	676	1.3	91.49	S083	TS80C6	18000	7200
10.1	676	1.3	91.49	S083	TS90S6	18000	7200
10.1	665	2.1	141.24	S103	TH80B4	22000	9000
9.9	679	2.0	141.24	S103	TS80B4	22000	9000
9.8	664	Ex	292.36	S083	TP80A2	18000	7200
9.7	669	Ex	292.36	S083	TH80A2	18000	7200

5.1 S GEARED MOTORS (50Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
9.6	678	Ex	292.36	S083	TS71C2	18000	7200
9.6	676	Ex	292.36	S083	TS80A2	18000	7200
9.4	724	1.9	100.15	S103	TH90S6	22000	9000
9.4	724	1.9	100.15	S103	TP90S6	22000	9000
9.2	740	1.8	100.15	S103	TS80C6	22000	9000
9.2	740	1.8	100.15	S103	TS90S6	22000	9000
9.1	742	1.1	158.76	S083	TP80B4	18000	7200
9.0	747	1.1	158.76	S083	TH80B4	18000	7200
8.8	764	1.1	158.76	S083	TS80B4	18000	7200
8.5	800	1.7	110.55	S103	TH90S6	22000	9000
8.5	800	1.7	110.55	S103	TP90S6	22000	9000
8.4	814	3.1	112.52	S123	TH90S6	30000	11200
8.4	814	3.1	112.52	S123	TP90S6	30000	11200
8.3	813	1.7	173.78	S103	TP80B4	22000	9000
8.3	817	1.7	110.55	S103	TS80C6	22000	9000
8.3	817	1.7	110.55	S103	TS90S6	22000	9000
8.2	818	1.7	173.78	S103	TH80B4	22000	9000
8.2	832	3.1	112.52	S123	TS80C6	30000	11200
8.2	832	3.1	112.52	S123	TS90S6	30000	11200
8.1	836	1.6	173.78	S103	TS80B4	22000	9000
8.1	836	3.1	177.53	S123	TH80B4	30000	11200
8.1	830	3.1	177.53	S123	TP80B4	30000	11200
8.0	848	1.0	117.17	S083	TH90S6	18000	7200
8.0	848	1.0	117.17	S083	TP90S6	18000	7200
7.9	854	3.0	177.53	S123	TS80B4	30000	11200
7.6	892	2.9	123.33	S123	TH90S6	30000	11200
7.6	892	2.9	123.33	S123	TP90S6	30000	11200
7.5	912	2.8	123.33	S123	TS80C6	30000	11200
7.5	912	2.8	123.33	S123	TS90S6	30000	11200
7.4	910	2.8	194.59	S123	TP80B4	30000	11200
7.3	931	1.5	128.73	S103	TH90S6	22000	9000
7.3	931	1.5	128.73	S103	TP90S6	22000	9000
7.3	916	2.8	194.59	S123	TH80B4	30000	11200
7.2	936	2.7	194.59	S123	TS80B4	30000	11200
7.1	951	1.4	128.73	S103	TS90S6	22000	9000
7.1	950	1.4	203.11	S103	TP80B4	22000	9000
7.1	951	1.4	128.73	S103	TS80C6	22000	9000
7.0	956	1.4	203.11	S103	TH80B4	22000	9000
7.0	968	2.7	133.78	S123	TH90S6	30000	11200
7.0	968	2.7	133.78	S123	TP90S6	30000	11200
6.9	977	1.4	203.11	S103	TS80B4	22000	9000

5.1 S GEARED MOTORS (50Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
6.9	989	2.6	133.78	S123	TS80C6	30000	11200
6.9	989	2.6	133.78	S123	TS90S6	30000	11200
6.7	1022	1.3	141.24	S103	TH90S6	22000	9000
6.7	1022	1.3	141.24	S103	TP90S6	22000	9000
6.5	1044	1.3	141.24	S103	TS80C6	22000	9000
6.5	1044	1.3	141.24	S103	TS90S6	22000	9000
6.5	1042	1.3	222.85	S103	TP80B4	22000	9000
6.4	1049	1.3	222.85	S103	TH80B4	22000	9000
6.3	1072	1.3	222.85	S103	TS80B4	22000	9000
6.2	1095	2.3	151.43	S123	TH90S6	30000	11200
6.2	1095	2.3	151.43	S123	TP90S6	30000	11200
6.1	1119	2.3	151.43	S123	TS80C6	30000	11200
6.1	1119	2.3	151.43	S123	TS90S6	30000	11200
6.0	1125	2.3	238.93	S123	TH80B4	30000	11200
6.0	1117	2.3	238.93	S123	TP80B4	30000	11200
5.9	1149	2.2	238.93	S123	TS80B4	30000	11200
5.4	1257	1.1	173.78	S103	TH90S6	22000	9000
5.4	1257	1.1	173.78	S103	TP90S6	22000	9000
5.3	1284	1.1	173.78	S103	TS80C6	22000	9000
5.3	1284	1.1	173.78	S103	TS90S6	22000	9000
5.3	1282	1.1	274.20	S103	TP80B4	22000	9000
5.3	1284	2.0	177.53	S123	TH90S6	30000	11200
5.3	1284	2.0	177.53	S123	TP90S6	30000	11200
5.2	1291	1.1	274.20	S103	TH80B4	22000	9000
5.2	1312	2.0	177.53	S123	TS80C6	30000	11200
5.2	1312	2.0	177.53	S123	TS90S6	30000	11200
5.1	1319	1.0	274.20	S103	TS80B4	22000	9000
5.1	1319	1.9	280.10	S123	TH80B4	30000	11200
5.1	1310	2.0	280.10	S123	TP80B4	30000	11200
5.0	1347	1.9	280.10	S123	TS80B4	30000	11200
4.8	1408	1.8	194.59	S123	TH90S6	30000	11200
4.8	1408	1.8	194.59	S123	TP90S6	30000	11200
4.8	1408	1.8	301.16	S123	TP80B4	30000	11200
4.7	1438	1.8	194.59	S123	TS80C6	30000	11200
4.7	1438	1.8	194.59	S123	TS90S6	30000	11200
4.7	1418	1.8	301.16	S123	TH80B4	30000	11200
4.6	1448	1.8	301.16	S123	TS80B4	30000	11200
4.2	1619	1.6	343.93	S123	TH80B4	30000	11200
4.2	1608	1.6	343.93	S123	TP80B4	30000	11200
4.1	1654	1.5	343.93	S123	TS80B4	30000	11200
3.9	1766	1.5	238.93	S123	TS80C6	30000	11200

5.1 S GEARED MOTORS (50Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
3.9	1728	1.5	238.93	S123	TH90S6	30000	11200
3.9	1728	1.5	238.93	S123	TP90S6	30000	11200
3.9	1766	1.5	238.93	S123	TS90S6	30000	11200
3.4	2026	1.3	280.10	S123	TH90S6	30000	11200
3.4	2026	1.3	280.10	S123	TP90S6	30000	11200
3.3	2070	1.2	280.10	S123	TS80C6	30000	11200
3.3	2070	1.2	280.10	S123	TS90S6	30000	11200
3.1	2226	1.2	301.16	S123	TS80C6	30000	11200
3.1	2179	1.2	301.16	S123	TH90S6	30000	11200
3.1	2179	1.2	301.16	S123	TP90S6	30000	11200
3.1	2226	1.2	301.16	S123	TS90S6	30000	11200
2.7	2488	1.0	343.93	S123	TH90S6	30000	11200
2.7	2488	1.0	343.93	S123	TP90S6	30000	11200
2.7	2542	1.0	343.93	S123	TS90S6	30000	11200
2.7	2542	1.0	343.93	S123	TS80C6	30000	11200

0.92 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
162.3	52	2.4	8.63	S052	TS80C4	4061	4061
125.7	67	2.0	11.14	S052	TS80C4	4358	4358
102.5	82	1.8	13.66	S052	TS80C4	4599	4599
91.7	92	1.9	15.27	S052	TS80C4	4734	4734
86.0	98	1.8	16.29	S052	TS80C4	4811	4811
75.1	112	1.6	18.63	S052	TS80C4	4973	4973
71.6	118	2.8	19.55	S062	TS80C4	9080	3632
66.6	127	1.5	21.04	S052	TS80C4	5119	5119
60.4	140	2.4	23.18	S062	TS80C4	9509	3804
58.2	145	1.3	24.07	S052	TS80C4	5279	5279
55.7	151	2.3	25.14	S062	TS80C4	9717	3887
54.3	155	1.3	25.79	S052	TS80C4	5360	5360
50.6	167	2.1	27.66	S062	TS80C4	9962	3985
50.3	168	1.2	27.81	S052	TS80C4	5447	5447
46.7	181	1.2	30.00	S052	TS80C4	5533	5533
46.7	181	2.0	30.00	S062	TS80C4	10000	4000
43.0	196	1.3	32.55	S052	TS80C4	5624	5624
38.3	220	1.3	36.55	S052	TS80C4	5747	5747
38.3	220	2.3	36.57	S062	TS80C4	10000	4000
35.6	237	2.1	39.38	S062	TS80C4	10000	4000
35.1	240	1.2	39.90	S052	TS80C4	5836	5836
32.8	257	1.2	42.63	S052	TS80C4	5900	5900

5.1 S GEARED MOTORS (50Hz)

0.92 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
32.5	259	3.3	43.05	S082	TS80C4	18000	6845
32.1	263	1.9	43.64	S062	TS80C4	10000	4000
30.4	278	1.8	46.10	S062	TS80C4	10000	4000
29.7	284	1.0	47.20	S052	TS80C4	5993	5993
27.9	303	2.8	50.25	S082	TS80C4	18000	7175
26.2	322	1.6	53.53	S062	TS80C4	10000	4000
25.8	327	2.6	54.27	S082	TS80C4	18000	7200
25.5	331	1.5	55.00	S062	TS80C4	10000	4000
25.4	332	3.3	55.14	S102	TS80C4	22000	9000
22.6	373	2.3	61.98	S082	TS80C4	18000	7200
20.8	406	1.3	67.47	S062	TS80C4	10000	4000
20.7	398	2.1	67.52	S083	TS80C4	18000	7200
20.6	409	3.3	67.84	S102	TS80C4	22000	9000
18.9	438	1.9	74.18	S083	TS80C4	18000	7200
18.9	438	3.1	74.18	S103	TS80C4	22000	9000
17.2	480	1.1	81.43	S063	TS80C4	10000	4000
17.2	480	2.8	81.39	S103	TS80C4	22000	9000
15.3	540	1.6	91.49	S083	TS80C4	18000	7200
14.0	591	2.3	100.15	S103	TS80C4	22000	9000
12.7	652	2.1	110.55	S103	TS80C4	22000	9000
11.9	691	1.2	117.17	S083	TS80C4	18000	7200
10.9	759	1.1	128.73	S083	TS80C4	18000	7200
10.9	759	1.8	128.73	S103	TS80C4	22000	9000
10.5	789	3.3	133.78	S123	TS80C4	30000	11200
9.9	833	1.6	141.24	S103	TS80C4	22000	9000
9.2	893	2.9	151.43	S123	TS80C4	30000	11200
8.1	1025	1.3	173.78	S103	TS80C4	22000	9000
7.9	1047	2.4	177.53	S123	TS80C4	30000	11200
7.2	1148	2.2	194.59	S123	TS80C4	30000	11200
6.9	1198	1.1	203.11	S103	TS80C4	22000	9000
6.3	1315	1.0	222.85	S103	TS80C4	22000	9000
5.9	1410	1.8	238.93	S123	TS80C4	30000	11200
5.0	1652	1.5	280.10	S123	TS80C4	30000	11200
4.6	1777	1.4	301.16	S123	TS80C4	30000	11200
4.1	2029	1.3	343.93	S123	TS80C4	30000	11200

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
256.7	38	Ex	11.14	S052	TP80B2	3530	3530
254.9	38	Ex	11.14	S052	TH80B2	3537	3537

5.1 S GEARED MOTORS (50Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
254.0	38	Ex	11.14	S052	TS80B2	3541	3541
209.4	46	Ex	13.66	S052	TP80B2	3741	3741
208.0	47	Ex	13.66	S052	TH80B2	3749	3749
207.2	47	Ex	13.66	S052	TS80B2	3752	3752
187.3	52	Ex	15.27	S052	TP80B2	3860	3860
186.0	52	Ex	15.27	S052	TH80B2	3868	3868
185.3	53	Ex	15.27	S052	TS80B2	3871	3871
175.6	55	Ex	16.29	S052	TP80B2	3929	3929
174.4	56	Ex	16.29	S052	TH80B2	3937	3937
173.8	56	Ex	16.29	S052	TS80B2	3941	3941
165.8	61	2.0	8.63	S052	TH90S4	3979	3979
165.8	61	2.0	8.63	S052	TP90S4	3979	3979
163.5	62	2.0	8.63	S052	TS80D4	3994	3994
162.3	62	2.0	8.63	S052	TS90S4	4002	4002
153.5	63	Ex	18.63	S052	TP80B2	4076	4076
152.4	64	Ex	18.63	S052	TH80B2	4083	4083
151.9	64	Ex	18.63	S052	TS80B2	4087	4087
136.0	72	Ex	21.04	S052	TP80B2	4210	4210
135.0	72	Ex	21.04	S052	TH80B2	4218	4218
134.5	72	Ex	21.04	S052	TS80B2	4222	4222
128.4	79	1.7	11.14	S052	TH90S4	4258	4258
128.4	79	1.7	11.14	S052	TP90S4	4258	4258
126.6	80	1.7	11.14	S052	TS80D4	4273	4273
125.7	80	1.7	11.14	S052	TS90S4	4281	4281
118.8	82	Ex	24.07	S052	TP80B2	4360	4360
118.0	82	Ex	24.07	S052	TH80B2	4368	4368
117.6	83	Ex	24.07	S052	TS80B2	4372	4372
117.5	87	2.7	8.00	S062	TH90L6	7796	3118
116.3	88	2.7	8.00	S062	TS90L6	7819	3128
110.9	88	Ex	25.79	S052	TP80B2	4437	4437
110.1	88	Ex	25.79	S052	TH80B2	4445	4445
110.1	92	1.3	8.63	S052	TP100LR6	4421	4421
109.8	89	Ex	25.79	S052	TS80B2	4449	4449
109.0	93	1.3	8.63	S052	TH90L6	4433	4433
107.8	94	1.3	8.63	S052	TS90L6	4445	4445
104.7	96	1.6	13.66	S052	TH90S4	4482	4482
104.7	96	1.6	13.66	S052	TP90S4	4482	4482
103.4	94	Ex	27.66	S062	TP80B2	8108	3243
103.2	98	1.6	13.66	S052	TS80D4	4498	4498
102.8	95	Ex	27.81	S052	TP80B2	4522	4522
102.7	95	Ex	27.66	S062	TH80B2	8124	3250

5.1 S GEARED MOTORS (50Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
102.5	98	1.5	13.66	S052	TS90S4	4506	4506
102.3	95	Ex	27.66	S062	TS80B2	8132	3253
102.1	95	Ex	27.81	S052	TH80B2	4530	4530
101.8	96	Ex	27.81	S052	TS80B2	4534	4534
99.5	102	2.5	9.55	S062	TP100LR6	8166	3267
98.5	103	2.5	9.55	S062	TH90L6	8190	3276
97.4	105	2.5	9.55	S062	TS90L6	8215	3286
95.3	102	Ex	30.00	S052	TP80B2	4608	4608
95.3	102	Ex	30.00	S062	TP80B2	8294	3318
94.7	103	Ex	30.00	S052	TH80B2	4615	4615
94.7	103	Ex	30.00	S062	TH80B2	8310	3324
94.3	103	Ex	30.00	S052	TS80B2	4619	4619
94.3	103	Ex	30.00	S062	TS80B2	8318	3327
93.6	108	1.6	15.27	S052	TH90S4	4606	4606
93.6	108	1.6	15.27	S052	TP90S4	4606	4606
92.3	109	1.6	15.27	S052	TS80D4	4621	4621
91.7	110	1.6	15.27	S052	TS90S4	4629	4629
88.5	114	2.8	15.94	S062	TS80D4	8442	3377
87.9	111	Ex	32.55	S052	TP80B2	4699	4699
87.8	115	1.5	16.29	S052	TH90S4	4676	4676
87.8	115	1.5	16.29	S052	TP90S4	4676	4676
87.8	115	2.8	15.94	S062	TS90S4	8458	3383
87.3	112	Ex	32.55	S052	TH80B2	4707	4707
86.9	112	Ex	32.55	S052	TS80B2	4711	4711
86.6	116	1.5	16.29	S052	TS80D4	4692	4692
86.0	117	1.5	16.29	S052	TS90S4	4700	4700
85.3	119	1.1	11.14	S052	TP100LR6	4702	4702
84.4	121	1.1	11.14	S052	TH90L6	4713	4713
83.5	122	1.1	11.14	S052	TS90L6	4725	4725
81.1	126	2.2	11.71	S062	TP100LR6	8634	3454
80.3	127	2.2	11.71	S062	TH90L6	8659	3464
79.4	128	2.2	11.71	S062	TS90L6	8684	3473
78.3	124	Ex	36.55	S052	TP80B2	4828	4828
78.2	124	Ex	36.57	S062	TP80B2	8756	3503
77.7	125	Ex	36.55	S052	TH80B2	4836	4836
77.7	125	Ex	36.57	S062	TH80B2	8773	3509
77.4	126	Ex	36.55	S052	TS80B2	4840	4840
77.4	126	Ex	36.57	S062	TS80B2	8781	3513
76.8	131	1.3	18.63	S052	TH90S4	4823	4823
76.8	131	1.3	18.63	S052	TP90S4	4823	4823
75.7	133	1.3	18.63	S052	TS80D4	4838	4838

5.1 S GEARED MOTORS (50Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
75.1	134	1.3	18.63	S052	TS90S4	4846	4846
73.1	138	2.4	19.55	S062	TH90S4	8884	3554
73.1	138	2.4	19.55	S062	TP90S4	8884	3554
72.6	134	Ex	39.38	S062	TP80B2	8931	3573
72.1	140	2.4	19.55	S062	TS80D4	8917	3567
72.1	135	Ex	39.38	S062	TH80B2	8948	3579
71.9	135	Ex	39.38	S062	TS80B2	8957	3583
71.7	136	Ex	39.90	S052	TP80B2	4925	4925
71.6	141	2.4	19.55	S062	TS90S4	8934	3574
71.2	137	Ex	39.90	S052	TH80B2	4933	4933
71.1	143	2.1	13.36	S062	TP100LR6	8941	3576
70.9	137	Ex	39.90	S052	TS80B2	4937	4937
70.4	145	2.1	13.36	S062	TH90L6	8966	3586
69.6	146	1.0	13.66	S052	TP100LR6	4920	4920
69.6	146	2.1	13.36	S062	TS90L6	8991	3596
68.8	148	1.0	13.66	S052	TH90L6	4931	4931
68.1	150	1.0	13.66	S052	TS90L6	4942	4942
68.0	148	1.3	21.04	S052	TH90S4	4953	4953
68.0	148	1.3	21.04	S052	TP90S4	4953	4953
67.1	145	Ex	42.63	S052	TP80B2	4997	4997
67.0	150	1.2	21.04	S052	TS80D4	4968	4968
66.6	146	Ex	42.63	S052	TH80B2	5005	5005
66.6	152	1.2	21.04	S052	TS90S4	4975	4975
66.4	147	Ex	42.63	S052	TS80B2	5009	5009
65.5	148	Ex	43.64	S062	TP80B2	9177	3671
65.1	150	Ex	43.64	S062	TH80B2	9194	3677
64.9	150	Ex	43.64	S062	TS80B2	9202	3681
62.2	164	1.1	15.27	S052	TP100LR6	5036	5036
62.0	157	Ex	46.10	S062	TP80B2	9309	3723
61.7	163	2.1	23.18	S062	TH90S4	9286	3714
61.7	163	2.1	23.18	S062	TP90S4	9286	3714
61.6	158	Ex	46.10	S062	TH80B2	9325	3730
61.5	165	1.1	15.27	S052	TH90L6	5047	5047
61.4	159	Ex	46.10	S062	TS80B2	9334	3734
60.9	167	1.0	15.27	S052	TS90L6	5058	5058
60.8	166	2.0	23.18	S062	TS80D4	9319	3728
60.6	161	Ex	47.20	S052	TP80B2	5107	5107
60.4	167	2.0	23.18	S062	TS90S4	9336	3734
60.2	162	Ex	47.20	S052	TH80B2	5114	5114
60.0	162	Ex	47.20	S052	TS80B2	5118	5118
59.6	171	1.9	15.94	S062	TP100LR6	9357	3743

5.1 S GEARED MOTORS (50Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
59.4	170	1.1	24.07	S052	TH90S4	5093	5093
59.4	170	1.1	24.07	S052	TP90S4	5093	5093
59.0	173	1.9	15.94	S062	TH90L6	9382	3753
58.6	172	1.1	24.07	S052	TS80D4	5107	5107
58.4	175	1.9	15.94	S062	TS90L6	9407	3763
58.2	173	1.1	24.07	S052	TS90S4	5114	5114
56.9	177	2.0	25.14	S062	TH90S4	9479	3792
56.9	177	2.0	25.14	S062	TP90S4	9479	3792
56.1	180	1.9	25.14	S062	TS80D4	9512	3805
55.7	181	1.9	25.14	S062	TS90S4	9529	3812
55.5	182	1.1	25.79	S052	TH90S4	5162	5162
55.5	182	1.1	25.79	S052	TP90S4	5162	5162
54.7	184	1.1	25.79	S052	TS80D4	5176	5176
54.7	178	Ex	52.25	S052	TP80B2	5213	5213
54.4	179	Ex	52.25	S052	TH80B2	5220	5220
54.3	186	1.1	25.79	S052	TS90S4	5183	5183
54.2	180	Ex	52.25	S052	TS80B2	5224	5224
53.4	182	Ex	53.53	S062	TP80B2	9669	3868
53.1	183	Ex	53.53	S062	TH80B2	9686	3874
52.9	184	Ex	53.53	S062	TS80B2	9695	3878
52.0	187	Ex	55.00	S062	TP80B2	9735	3894
51.7	195	1.8	27.66	S062	TH90S4	9705	3882
51.7	195	1.8	27.66	S062	TP90S4	9705	3882
51.6	188	Ex	55.00	S062	TH80B2	9752	3901
51.5	189	Ex	55.00	S062	TS80B2	9760	3904
51.4	196	1.1	27.81	S052	TH90S4	5236	5236
51.4	196	1.1	27.81	S052	TP90S4	5236	5236
51.0	198	1.7	27.66	S062	TS80D4	9739	3895
50.7	199	1.0	27.81	S052	TS80D4	5250	5250
50.6	199	1.7	27.66	S062	TS90S4	9756	3902
50.3	200	1.0	27.81	S052	TS90S4	5257	5257
49.4	197	Ex	57.86	S052	TP80B2	5316	5316
49.1	198	Ex	57.86	S052	TH80B2	5323	5323
48.9	199	Ex	57.86	S052	TS80B2	5326	5326
48.6	210	1.6	19.55	S062	TP100LR6	9839	3936
48.1	212	1.6	19.55	S062	TH90L6	9864	3946
47.7	212	1.7	30.00	S062	TH90S4	9898	3959
47.7	212	1.7	30.00	S062	TP90S4	9898	3959
47.6	214	1.6	19.55	S062	TS90L6	9890	3956
47.2	216	2.6	20.14	S082	TP100LR6	18000	6067
47.0	215	1.7	30.00	S062	TS80D4	9932	3973

5.1 S GEARED MOTORS (50Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
46.7	216	1.7	30.00	S062	TS90S4	9948	3979
46.7	218	2.5	20.14	S082	TH90L6	18000	6087
46.2	221	2.5	20.14	S082	TS90L6	18000	6107
46.1	211	Ex	61.98	S082	TP80B2	18000	6117
45.8	212	Ex	61.98	S082	TH80B2	18000	6130
45.7	213	Ex	61.98	S082	TS80B2	18000	6137
43.9	230	1.1	32.55	S052	TH90S4	5382	5382
43.9	230	1.1	32.55	S052	TP90S4	5382	5382
43.3	233	1.1	32.55	S052	TS80D4	5394	5394
43.0	234	1.1	32.55	S052	TS90S4	5401	5401
42.9	237	2.4	22.13	S082	TP100LR6	18000	6244
42.5	240	2.4	22.13	S082	TH90L6	18000	6265
42.4	230	Ex	67.47	S062	TP80B2	10000	4000
42.4	225	Ex	67.52	S083	TP80B2	18000	6285
42.1	231	Ex	67.47	S062	TH80B2	10000	4000
42.1	227	Ex	67.52	S083	TH80B2	18000	6299
42.0	242	2.4	22.13	S082	TS90L6	18000	6285
41.9	232	Ex	67.47	S062	TS80B2	10000	4000
41.9	227	Ex	67.52	S083	TS80B2	18000	6306
41.0	249	1.4	23.18	S062	TP100LR6	10000	4000
40.6	251	1.3	23.18	S062	TH90L6	10000	4000
40.1	254	1.3	23.18	S062	TS90L6	10000	4000
40.1	251	3.4	34.91	S082	TS90S4	18000	6378
39.6	257	2.2	24.00	S082	TP100LR6	18000	6402
39.2	260	2.2	24.00	S082	TH90L6	18000	6422
39.1	258	1.1	36.55	S052	TH90S4	5480	5480
39.1	258	1.1	36.55	S052	TP90S4	5480	5480
39.1	258	2.0	36.57	S062	TH90S4	10000	4000
39.1	258	2.0	36.57	S062	TP90S4	10000	4000
38.8	263	2.2	24.00	S082	TS90L6	18000	6443
38.6	261	1.1	36.55	S052	TS80D4	5491	5491
38.6	262	1.9	36.57	S062	TS80D4	10000	4000
38.6	247	Ex	74.18	S083	TP80B2	18000	6469
38.3	263	1.1	36.55	S052	TS90S4	5497	5497
38.3	263	1.9	36.57	S062	TS90S4	10000	4000
38.3	249	Ex	74.18	S083	TH80B2	18000	6483
38.1	250	Ex	74.18	S083	TS80B2	18000	6490
37.8	270	1.3	25.14	S062	TP100LR6	10000	4000
37.4	272	1.3	25.14	S062	TH90L6	10000	4000
37.0	275	1.3	25.14	S062	TS90L6	10000	4000
36.3	278	1.8	39.38	S062	TH90S4	10000	4000

5.1 S GEARED MOTORS (50Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
36.3	278	1.8	39.38	S062	TP90S4	10000	4000
35.8	281	1.1	39.90	S052	TH90S4	5548	5548
35.8	281	1.1	39.90	S052	TP90S4	5548	5548
35.8	282	1.8	39.38	S062	TS80D4	10000	4000
35.7	282	3.0	40.05	S082	TH90S4	18000	6608
35.7	282	3.0	40.05	S082	TP90S4	18000	6608
35.6	284	1.8	39.38	S062	TS90S4	10000	4000
35.3	285	1.0	39.90	S052	TS80D4	5558	5558
35.2	286	3.0	40.05	S082	TS80D4	18000	6636
35.1	287	1.0	39.90	S052	TS90S4	5563	5563
35.1	271	Ex	81.43	S063	TP80B2	10000	4000
35.0	289	2.9	40.05	S082	TS90S4	18000	6650
34.9	273	Ex	81.43	S063	TH80B2	10000	4000
34.8	274	Ex	81.43	S063	TS80B2	10000	4000
34.8	293	2.2	27.29	S082	TP100LR6	18000	6656
34.4	297	1.2	27.66	S062	TP100LR6	10000	4000
34.4	296	2.2	27.29	S082	TH90L6	18000	6677
34.1	299	2.2	27.29	S082	TS90L6	18000	6699
34.0	300	1.2	27.66	S062	TH90L6	10000	4000
33.6	303	1.1	27.66	S062	TS90L6	10000	4000
33.2	304	2.8	43.05	S082	TH90S4	18000	6754
33.2	304	2.8	43.05	S082	TP90S4	18000	6754
33.1	307	2.1	28.67	S082	TP100LR6	18000	6756
32.8	308	1.7	43.64	S062	TH90S4	10000	4000
32.8	308	1.7	43.64	S062	TP90S4	10000	4000
32.8	311	2.1	28.67	S082	TH90L6	18000	6778
32.7	308	2.8	43.05	S082	TS80D4	18000	6783
32.5	310	2.7	43.05	S082	TS90S4	18000	6797
32.4	314	2.1	28.67	S082	TS90L6	18000	6800
32.3	312	1.6	43.64	S062	TS80D4	10000	4000
32.1	314	1.6	43.64	S062	TS90S4	10000	4000
31.7	322	1.1	30.00	S062	TP100LR6	10000	4000
31.3	325	1.1	30.00	S062	TH90L6	10000	4000
31.3	305	Ex	91.49	S083	TP80B2	18000	6895
31.0	325	1.6	46.10	S062	TH90S4	10000	4000
31.0	325	1.6	46.10	S062	TP90S4	10000	4000
31.0	329	1.1	30.00	S062	TS90L6	10000	4000
31.0	307	Ex	91.49	S083	TH80B2	18000	6910
30.9	308	Ex	91.49	S083	TS80B2	18000	6917
30.6	330	1.5	46.10	S062	TS80D4	10000	4000
30.4	332	1.5	46.10	S062	TS90S4	10000	4000

5.1 S GEARED MOTORS (50Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
29.9	341	2.5	31.78	S082	TP100LR6	18000	6968
29.6	344	2.5	31.78	S082	TH90L6	18000	6990
29.3	348	2.4	31.78	S082	TS90L6	18000	7012
28.6	333	Ex	99.89	S063	TP80B2	10000	4000
28.5	354	2.4	50.25	S082	TH90S4	18000	7075
28.5	354	2.4	50.25	S082	TP90S4	18000	7075
28.4	335	Ex	99.89	S063	TH80B2	10000	4000
28.3	336	Ex	99.89	S063	TS80B2	10000	4000
28.1	359	2.4	50.25	S082	TS80D4	18000	7104
27.9	362	2.3	50.25	S082	TS90S4	18000	7120
27.2	374	2.3	34.91	S082	TP100LR6	18000	7166
27.2	374	3.2	34.91	S102	TP100LR6	22000	8870
26.9	378	2.2	34.91	S082	TH90L6	18000	7189
26.9	378	3.2	34.91	S102	TH90L6	22000	8900
26.7	377	1.4	53.53	S062	TH90S4	10000	4000
26.7	377	1.4	53.53	S062	TP90S4	10000	4000
26.6	382	2.2	34.91	S082	TS90L6	18000	7200
26.6	382	3.1	34.91	S102	TS90L6	22000	8929
26.4	383	2.2	54.27	S082	TH90S4	18000	7200
26.4	383	2.2	54.27	S082	TP90S4	18000	7200
26.3	383	1.3	53.53	S062	TS80D4	10000	4000
26.2	386	1.3	53.53	S062	TS90S4	10000	4000
26.0	388	1.3	55.00	S062	TH90S4	10000	4000
26.0	388	1.3	55.00	S062	TP90S4	10000	4000
26.0	392	1.3	36.57	S062	TP100LR6	10000	4000
26.0	388	2.2	54.27	S082	TS80D4	18000	7200
25.9	389	2.9	55.14	S102	TH90S4	22000	9000
25.9	389	2.9	55.14	S102	TP90S4	22000	9000
25.8	391	2.2	54.27	S082	TS90S4	18000	7200
25.7	396	1.3	36.57	S062	TH90L6	10000	4000
25.6	393	1.3	55.00	S062	TS80D4	10000	4000
25.6	394	2.8	55.14	S102	TS80D4	22000	9000
25.5	396	1.3	55.00	S062	TS90S4	10000	4000
25.4	401	1.3	36.57	S062	TS90L6	10000	4000
25.4	397	2.8	55.14	S102	TS90S4	22000	9000
24.8	411	3.1	38.30	S102	TP100LR6	22000	9000
24.5	415	3.1	38.30	S102	TH90L6	22000	9000
24.4	390	Ex	117.17	S083	TP80B2	18000	7200
24.3	420	3.1	38.30	S102	TS90L6	22000	9000
24.2	393	Ex	117.17	S083	TH80B2	18000	7200
24.2	395	Ex	117.17	S083	TS80B2	18000	7200

5.1 S GEARED MOTORS (50Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
24.1	422	1.2	39.38	S062	TP100LR6	10000	4000
24.1	419	3.3	59.40	S102	TH90S4	22000	9000
24.1	419	3.3	59.40	S102	TP90S4	22000	9000
23.9	427	1.2	39.38	S062	TH90L6	10000	4000
23.7	429	2.0	40.05	S082	TP100LR6	18000	7200
23.7	425	3.2	59.40	S102	TS80D4	22000	9000
23.6	431	1.2	39.38	S062	TS90L6	10000	4000
23.6	428	3.2	59.40	S102	TS90S4	22000	9000
23.5	434	2.0	40.05	S082	TH90L6	18000	7200
23.2	439	1.9	40.05	S082	TS90L6	18000	7200
23.1	437	1.9	61.98	S082	TH90S4	18000	7200
23.1	437	1.9	61.98	S082	TP90S4	18000	7200
22.8	443	1.9	61.98	S082	TS80D4	18000	7200
22.6	446	1.9	61.98	S082	TS90S4	18000	7200
22.2	429	Ex	128.73	S083	TP80B2	18000	7200
22.1	462	1.8	43.05	S082	TP100LR6	18000	7200
22.1	432	Ex	128.73	S083	TH80B2	18000	7200
22.0	433	Ex	128.73	S083	TS80B2	18000	7200
21.8	468	1.1	43.64	S062	TP100LR6	10000	4000
21.8	467	1.8	43.05	S082	TH90L6	18000	7200
21.6	472	1.8	43.05	S082	TS90L6	18000	7200
21.6	472	2.4	44.00	S102	TP100LR6	22000	9000
21.5	473	1.1	43.64	S062	TH90L6	10000	4000
21.4	477	2.3	44.00	S102	TH90L6	22000	9000
21.3	478	1.1	43.64	S062	TS90L6	10000	4000
21.2	476	1.1	67.47	S062	TH90S4	10000	4000
21.2	476	1.1	67.47	S062	TP90S4	10000	4000
21.2	466	1.8	67.52	S083	TH90S4	18000	7200
21.2	466	1.8	67.52	S083	TP90S4	18000	7200
21.1	478	2.9	67.84	S102	TH90S4	22000	9000
21.1	478	2.9	67.84	S102	TP90S4	22000	9000
21.1	482	2.3	44.00	S102	TS90L6	22000	9000
20.9	483	1.1	67.47	S062	TS80D4	10000	4000
20.9	473	1.8	67.52	S083	TS80D4	18000	7200
20.8	486	1.0	67.47	S062	TS90S4	10000	4000
20.8	485	2.8	67.84	S102	TS80D4	22000	9000
20.7	476	1.8	67.52	S083	TS90S4	18000	7200
20.6	489	2.8	67.84	S102	TS90S4	22000	9000
20.4	499	1.0	46.10	S062	TH90L6	10000	4000
20.2	505	1.0	46.10	S062	TS90L6	10000	4000
20.2	505	2.7	47.13	S102	TP100LR6	22000	9000

5.1 S GEARED MOTORS (50Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
19.9	511	2.7	47.13	S102	TH90L6	22000	9000
19.7	516	2.6	47.13	S102	TS90L6	22000	9000
19.3	512	1.7	74.18	S083	TH90S4	18000	7200
19.3	512	1.7	74.18	S083	TP90S4	18000	7200
19.3	512	2.7	74.18	S103	TH90S4	22000	9000
19.3	512	2.7	74.18	S103	TP90S4	22000	9000
19.0	520	1.6	74.18	S083	TS80D4	18000	7200
19.0	520	2.6	74.18	S103	TS80D4	22000	9000
18.9	539	1.6	50.25	S082	TP100LR6	18000	7200
18.9	523	1.6	74.18	S083	TS90S4	18000	7200
18.9	523	2.6	74.18	S103	TS90S4	22000	9000
18.7	544	1.6	50.25	S082	TH90L6	18000	7200
18.5	550	1.5	50.25	S082	TS90L6	18000	7200
18.0	529	Ex	158.76	S083	TP80B2	18000	7200
17.9	533	Ex	158.76	S083	TH80B2	18000	7200
17.8	535	Ex	158.76	S083	TS80B2	18000	7200
17.6	562	2.4	81.39	S103	TH90S4	22000	9000
17.6	562	2.4	81.39	S103	TP90S4	22000	9000
17.5	582	1.5	54.27	S082	TP100LR6	18000	7200
17.3	588	1.4	54.27	S082	TH90L6	18000	7200
17.3	570	2.4	81.39	S103	TS80D4	22000	9000
17.2	591	1.9	55.14	S102	TP100LR6	22000	9000
17.2	574	2.4	81.39	S103	TS90S4	22000	9000
17.1	594	1.4	54.27	S082	TS90L6	18000	7200
17.0	597	1.9	55.14	S102	TH90L6	22000	9000
16.9	604	1.8	55.14	S102	TS90L6	22000	9000
16.0	637	2.1	59.40	S102	TP100LR6	22000	9000
15.8	644	2.1	59.40	S102	TH90L6	22000	9000
15.7	651	2.1	59.40	S102	TS90L6	22000	9000
15.6	632	1.3	91.49	S083	TH90S4	18000	7200
15.6	632	1.3	91.49	S083	TP90S4	18000	7200
15.5	616	Ex	184.88	S083	TP80B2	18000	7200
15.4	620	Ex	184.88	S083	TH80B2	18000	7200
15.4	641	1.3	91.49	S083	TS80D4	18000	7200
15.3	664	1.3	61.98	S082	TP100LR6	18000	7200
15.3	623	Ex	184.88	S083	TS80B2	18000	7200
15.3	645	1.3	91.49	S083	TS90S4	18000	7200
15.2	672	1.3	61.98	S082	TH90L6	18000	7200
15.0	679	1.3	61.98	S082	TS90L6	18000	7200
14.3	692	2.0	100.15	S103	TH90S4	22000	9000
14.3	692	2.0	100.15	S103	TP90S4	22000	9000

5.1 S GEARED MOTORS (50Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
14.1	709	1.2	67.52	S083	TP100LR6	18000	7200
14.1	701	1.9	100.15	S103	TS80D4	22000	9000
14.0	727	1.9	67.84	S102	TP100LR6	22000	9000
14.0	706	1.9	100.15	S103	TS90S4	22000	9000
13.9	716	1.2	67.52	S083	TH90L6	18000	7200
13.9	735	1.9	67.84	S102	TH90L6	22000	9000
13.8	724	1.2	67.52	S083	TS90L6	18000	7200
13.7	743	1.8	67.84	S102	TS90L6	22000	9000
13.4	746	3.1	71.07	S123	TP100LR6	30000	11200
12.9	763	1.8	110.55	S103	TH90S4	22000	9000
12.9	763	1.8	110.55	S103	TP90S4	22000	9000
12.8	779	1.1	74.18	S083	TP100LR6	18000	7200
12.8	779	1.8	74.18	S103	TP100LR6	22000	9000
12.8	774	1.8	110.55	S103	TS80D4	22000	9000
12.7	787	1.1	74.18	S083	TH90L6	18000	7200
12.7	787	1.7	74.18	S103	TH90L6	22000	9000
12.7	780	1.8	110.55	S103	TS90S4	22000	9000
12.7	777	3.3	112.52	S123	TH90S4	30000	11200
12.7	777	3.3	112.52	S123	TP90S4	30000	11200
12.5	796	1.1	74.18	S083	TS90L6	18000	7200
12.5	796	1.7	74.18	S103	TS90L6	22000	9000
12.5	788	3.2	112.52	S123	TS80D4	30000	11200
12.4	794	3.2	112.52	S123	TS90S4	30000	11200
12.2	809	1.1	117.17	S083	TH90S4	18000	7200
12.2	809	1.1	117.17	S083	TP90S4	18000	7200
12.0	821	1.0	117.17	S083	TS80D4	18000	7200
11.9	826	1.0	117.17	S083	TS90S4	18000	7200
11.7	855	1.6	81.39	S103	TP100LR6	22000	9000
11.6	852	3.0	123.33	S123	TH90S4	30000	11200
11.6	852	3.0	123.33	S123	TP90S4	30000	11200
11.5	864	1.6	81.39	S103	TH90L6	22000	9000
11.4	873	1.6	81.39	S103	TS90L6	22000	9000
11.4	864	3.0	123.33	S123	TS80D4	30000	11200
11.4	870	2.9	123.33	S123	TS90S4	30000	11200
11.1	889	1.5	128.73	S103	TH90S4	22000	9000
11.1	889	1.5	128.73	S103	TP90S4	22000	9000
11.0	902	1.5	128.73	S103	TS80D4	22000	9000
10.9	908	1.5	128.73	S103	TS90S4	22000	9000
10.9	916	2.8	87.27	S123	TP100LR6	30000	11200
10.7	924	2.8	133.78	S123	TH90S4	30000	11200
10.7	924	2.8	133.78	S123	TP90S4	30000	11200

5.1 S GEARED MOTORS (50Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
10.5	937	2.7	133.78	S123	TS80D4	30000	11200
10.5	944	2.7	133.78	S123	TS90S4	30000	11200
10.1	975	1.4	141.24	S103	TH90S4	22000	9000
10.1	975	1.4	141.24	S103	TP90S4	22000	9000
10.0	989	1.4	141.24	S103	TS80D4	22000	9000
9.9	996	1.4	141.24	S103	TS90S4	22000	9000
9.5	1051	1.3	100.15	S103	TP100LR6	22000	9000
9.4	1063	1.3	100.15	S103	TH90L6	22000	9000
9.4	1046	2.4	151.43	S123	TH90S4	30000	11200
9.4	1046	2.4	151.43	S123	TP90S4	30000	11200
9.3	1074	1.3	100.15	S103	TS90L6	22000	9000
9.3	1061	2.4	151.43	S123	TS80D4	30000	11200
9.2	1068	2.4	151.43	S123	TS90S4	30000	11200
8.6	1161	1.2	110.55	S103	TP100LR6	22000	9000
8.5	1173	1.2	110.55	S103	TH90L6	22000	9000
8.4	1186	1.2	110.55	S103	TS90L6	22000	9000
8.4	1194	2.1	112.52	S123	TH90L6	30000	11200
8.4	1181	2.2	112.52	S123	TP100LR6	30000	11200
8.3	1207	2.1	112.52	S123	TS90L6	30000	11200
8.2	1200	1.1	173.78	S103	TH90S4	22000	9000
8.2	1200	1.1	173.78	S103	TP90S4	22000	9000
8.1	1217	1.1	173.78	S103	TS80D4	22000	9000
8.1	1226	1.1	173.78	S103	TS90S4	22000	9000
8.1	1226	2.1	177.53	S123	TH90S4	30000	11200
8.1	1226	2.1	177.53	S123	TP90S4	30000	11200
7.9	1243	2.1	177.53	S123	TS80D4	30000	11200
7.9	1252	2.0	177.53	S123	TS90S4	30000	11200
7.7	1295	2.0	123.33	S123	TP100LR6	30000	11200
7.6	1308	2.0	123.33	S123	TH90L6	30000	11200
7.5	1323	1.9	123.33	S123	TS90L6	30000	11200
7.4	1351	1.0	128.73	S103	TP100LR6	22000	9000
7.3	1344	1.9	194.59	S123	TH90S4	30000	11200
7.3	1344	1.9	194.59	S123	TP90S4	30000	11200
7.2	1363	1.9	194.59	S123	TS80D4	30000	11200
7.2	1372	1.9	194.59	S123	TS90S4	30000	11200
7.1	1404	1.8	133.78	S123	TP100LR6	30000	11200
7.0	1419	1.8	133.78	S123	TH90L6	30000	11200
7.0	1435	1.8	133.78	S123	TS90L6	30000	11200
6.3	1590	1.6	151.43	S123	TP100LR6	30000	11200
6.2	1607	1.6	151.43	S123	TH90L6	30000	11200
6.1	1624	1.6	151.43	S123	TS90L6	30000	11200

5.1 S GEARED MOTORS (50Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
6.0	1650	1.6	238.93	S123	TH90S4	30000	11200
6.0	1650	1.6	238.93	S123	TP90S4	30000	11200
5.9	1673	1.5	238.93	S123	TS80D4	30000	11200
5.9	1685	1.5	238.93	S123	TS90S4	30000	11200
5.4	1864	1.4	177.53	S123	TP100LR6	30000	11200
5.3	1884	1.4	177.53	S123	TH90L6	30000	11200
5.2	1904	1.3	177.53	S123	TS90L6	30000	11200
5.1	1934	1.3	280.10	S123	TH90S4	30000	11200
5.1	1934	1.3	280.10	S123	TP90S4	30000	11200
5.0	1962	1.3	280.10	S123	TS80D4	30000	11200
5.0	1976	1.3	280.10	S123	TS90S4	30000	11200
4.9	2043	1.3	194.59	S123	TP100LR6	30000	11200
4.8	2065	1.2	194.59	S123	TH90L6	30000	11200
4.8	2087	1.2	194.59	S123	TS90L6	30000	11200
4.7	2109	1.2	301.16	S123	TS80D4	30000	11200
4.7	2080	1.2	301.16	S123	TH90S4	30000	11200
4.7	2080	1.2	301.16	S123	TP90S4	30000	11200
4.6	2124	1.2	301.16	S123	TS90S4	30000	11200
4.2	2375	1.1	343.93	S123	TH90S4	30000	11200
4.2	2375	1.1	343.93	S123	TP90S4	30000	11200
4.1	2426	1.1	343.93	S123	TS90S4	30000	11200
4.1	2409	1.1	343.93	S123	TS80D4	30000	11200
4.0	2508	1.0	238.93	S123	TP100LR6	30000	11200
3.9	2535	1.0	238.93	S123	TH90L6	30000	11200
3.9	2562	1.0	238.93	S123	TS90L6	30000	11200

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
332.8	40	Ex	8.63	S052	TH90S2	3211	3211
331.6	40	Ex	8.63	S052	TP90S2	3214	3214
329.3	40	Ex	8.63	S052	TS90S2	3221	3221
325.8	41	Ex	8.63	S052	TS80C2	3230	3230
257.6	52	Ex	11.14	S052	TH90S2	3447	3447
256.7	52	Ex	11.14	S052	TP90S2	3450	3450
254.9	52	Ex	11.14	S052	TS90S2	3457	3457
252.2	53	Ex	11.14	S052	TS80C2	3467	3467
210.2	63	Ex	13.66	S052	TH90S2	3640	3640
209.4	63	Ex	13.66	S052	TP90S2	3643	3643
208.0	64	Ex	13.66	S052	TS90S2	3650	3650
205.8	64	Ex	13.66	S052	TS80C2	3660	3660

5.1 S GEARED MOTORS (50Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
187.9	71	Ex	15.27	S052	TH90S2	3747	3747
187.3	71	Ex	15.27	S052	TP90S2	3750	3750
186.0	71	Ex	15.27	S052	TS90S2	3757	3757
184.0	72	Ex	15.27	S052	TS80C2	3767	3767
176.2	75	Ex	16.29	S052	TH90S2	3809	3809
175.6	76	Ex	16.29	S052	TP90S2	3812	3812
174.4	76	Ex	16.29	S052	TS90S2	3819	3819
172.5	77	Ex	16.29	S052	TS80C2	3829	3829
165.8	83	1.5	8.63	S052	TP90L4	3851	3851
164.6	84	1.5	8.63	S052	TH90L4	3857	3857
162.3	85	1.5	8.63	S052	TS90LA4	3871	3871
154.0	86	Ex	18.63	S052	TH90S2	3938	3938
153.5	86	Ex	18.63	S052	TP90S2	3942	3942
152.4	87	Ex	18.63	S052	TS90S2	3949	3949
150.8	88	Ex	18.63	S052	TS80C2	3959	3959
149.8	92	2.8	9.55	S062	TP90L4	7120	2848
148.8	92	2.8	9.55	S062	TH90L4	7134	2854
146.8	90	Ex	19.55	S062	TH90S2	7181	2872
146.7	94	2.8	9.55	S062	TS90LA4	7162	2865
146.3	91	Ex	19.55	S062	TP90S2	7188	2875
145.3	91	Ex	19.55	S062	TS90S2	7202	2881
143.7	92	Ex	19.55	S062	TS80C2	7223	2889
136.4	97	Ex	21.04	S052	TH90S2	4055	4055
136.0	98	Ex	21.04	S052	TP90S2	4059	4059
135.0	98	Ex	21.04	S052	TS90S2	4065	4065
133.6	99	Ex	21.04	S052	TS80C2	4076	4076
128.4	107	1.3	11.14	S052	TP90L4	4092	4092
127.5	108	1.3	11.14	S052	TH90L4	4099	4099
125.7	109	1.3	11.14	S052	TS90LA4	4112	4112
123.8	107	Ex	23.18	S062	TH90S2	7523	3009
123.4	108	Ex	23.18	S062	TP90S2	7530	3012
122.5	108	Ex	23.18	S062	TS90S2	7544	3018
122.1	113	2.5	11.71	S062	TP90L4	7526	3010
121.3	113	2.5	11.71	S062	TH90L4	7540	3016
121.2	109	Ex	23.18	S062	TS80C2	7566	3026
119.6	115	2.5	11.71	S062	TS90LA4	7568	3027
119.3	111	Ex	24.07	S052	TH90S2	4184	4184
118.8	112	Ex	24.07	S052	TP90S2	4187	4187
118.0	112	Ex	24.07	S052	TS90S2	4194	4194
117.5	118	2.0	8.00	S062	TH100L6	7596	3038
117.5	118	2.0	8.00	S062	TP100L6	7596	3038

5.1 S GEARED MOTORS (50Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
116.8	114	Ex	24.07	S052	TS80C2	4204	4204
116.3	119	2.0	8.00	S062	TS100LA6	7617	3047
114.1	116	Ex	25.14	S062	TH90S2	7688	3075
113.8	117	Ex	25.14	S062	TP90S2	7695	3078
113.0	117	Ex	25.14	S062	TS90S2	7710	3084
111.8	119	Ex	25.14	S062	TS80C2	7732	3093
111.3	119	Ex	25.79	S052	TH90S2	4249	4249
110.9	120	Ex	25.79	S052	TP90S2	4252	4252
110.1	120	Ex	25.79	S052	TS90S2	4259	4259
109.0	122	Ex	25.79	S052	TS80C2	4269	4269
107.1	128	2.4	13.36	S062	TP90L4	7791	3116
106.3	129	2.3	13.36	S062	TH90L4	7805	3122
104.8	131	2.3	13.36	S062	TS90LA4	7834	3134
104.7	131	1.2	13.66	S052	TP90L4	4279	4279
104.0	132	1.1	13.66	S052	TH90L4	4285	4285
103.8	128	Ex	27.66	S062	TH90S2	7884	3154
103.4	128	Ex	27.66	S062	TP90S2	7891	3156
103.2	129	Ex	27.81	S052	TH90S2	4319	4319
102.8	129	Ex	27.81	S052	TP90S2	4322	4322
102.7	129	Ex	27.66	S062	TS90S2	7905	3162
102.5	134	1.1	13.66	S052	TS90LA4	4298	4298
102.1	130	Ex	27.81	S052	TS90S2	4329	4329
101.6	131	Ex	27.66	S062	TS80C2	7927	3171
101.0	131	Ex	27.81	S052	TS80C2	4339	4339
98.5	141	1.8	9.55	S062	TH100L6	7952	3181
98.5	141	1.8	9.55	S062	TP100L6	7952	3181
97.4	143	1.8	9.55	S062	TS100LA6	7974	3189
95.7	139	Ex	30.00	S052	TH90S2	4389	4389
95.7	139	Ex	30.00	S062	TH90S2	8052	3221
95.3	139	Ex	30.00	S052	TP90S2	4392	4392
95.3	139	Ex	30.00	S062	TP90S2	8059	3224
94.7	140	Ex	30.00	S052	TS90S2	4398	4398
94.7	140	Ex	30.00	S062	TS90S2	8073	3229
93.7	142	Ex	30.00	S052	TS80C2	4408	4408
93.7	142	Ex	30.00	S062	TS80C2	8095	3238
93.6	147	1.2	15.27	S052	TP90L4	4378	4378
93.0	148	1.2	15.27	S052	TH90L4	4384	4384
91.7	150	1.2	15.27	S052	TS90LA4	4397	4397
89.7	153	2.1	15.94	S062	TP90L4	8150	3260
89.1	154	2.1	15.94	S062	TH90L4	8165	3266
88.2	151	Ex	32.55	S052	TH90S2	4462	4462

5.1 S GEARED MOTORS (50Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
87.9	151	Ex	32.55	S052	TP90S2	4465	4465
87.8	157	1.1	16.29	S052	TP90L4	4434	4434
87.8	157	2.1	15.94	S062	TS90LA4	8194	3277
87.3	152	Ex	32.55	S052	TS90S2	4471	4471
87.2	158	1.1	16.29	S052	TH90L4	4440	4440
86.3	154	Ex	32.55	S052	TS80C2	4481	4481
86.0	160	1.1	16.29	S052	TS90LA4	4452	4452
80.3	173	1.6	11.71	S062	TH100L6	8366	3347
80.3	173	1.6	11.71	S062	TP100L6	8366	3347
79.4	175	1.6	11.71	S062	TS100LA6	8388	3355
78.5	169	Ex	36.55	S052	TH90S2	4563	4563
78.5	169	Ex	36.57	S062	TH90S2	8462	3385
78.3	170	Ex	36.55	S052	TP90S2	4565	4565
78.2	170	Ex	36.57	S062	TP90S2	8470	3388
77.7	171	Ex	36.55	S052	TS90S2	4571	4571
77.7	171	Ex	36.57	S062	TS90S2	8484	3394
76.9	173	Ex	36.55	S052	TS80C2	4580	4580
76.8	173	Ex	36.57	S062	TS80C2	8506	3402
73.1	188	1.8	19.55	S062	TP90L4	8566	3427
72.9	182	Ex	39.38	S062	TH90S2	8615	3446
72.6	189	1.8	19.55	S062	TH90L4	8581	3432
72.6	183	Ex	39.38	S062	TP90S2	8623	3449
72.1	184	Ex	39.38	S062	TS90S2	8637	3455
71.9	184	Ex	39.90	S052	TH90S2	4635	4635
71.7	185	Ex	39.90	S052	TP90S2	4638	4638
71.6	192	1.7	19.55	S062	TS90LA4	8609	3444
71.4	186	Ex	39.38	S062	TS80C2	8659	3464
71.2	186	Ex	39.90	S052	TS90S2	4644	4644
71.0	194	2.9	20.14	S082	TP90L4	18000	5296
70.5	195	2.8	20.14	S082	TH90L4	18000	5308
70.4	188	Ex	39.90	S052	TS80C2	4652	4652
70.4	197	1.5	13.36	S062	TH100L6	8632	3453
70.4	197	1.5	13.36	S062	TP100L6	8632	3453
70.2	189	Ex	40.05	S082	TS80C2	18000	5322
69.6	199	1.5	13.36	S062	TS100LA6	8654	3461
69.5	198	2.8	20.14	S082	TS90LA4	18000	5331
67.3	197	Ex	42.63	S052	TH90S2	4688	4688
67.1	198	Ex	42.63	S052	TP90S2	4691	4691
66.7	199	Ex	43.05	S082	TH90S2	18000	5406
66.6	199	Ex	42.63	S052	TS90S2	4696	4696
66.4	200	Ex	43.05	S082	TP90S2	18000	5412

5.1 S GEARED MOTORS (50Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
66.0	201	Ex	43.05	S082	TS90S2	18000	5424
65.9	201	Ex	42.63	S052	TS80C2	4704	4704
65.8	202	Ex	43.64	S062	TH90S2	8827	3531
65.5	202	Ex	43.64	S062	TP90S2	8835	3534
65.3	203	Ex	43.05	S082	TS80C2	18000	5442
65.1	204	Ex	43.64	S062	TS90S2	8849	3540
64.6	213	2.7	22.13	S082	TP90L4	18000	5451
64.4	206	Ex	43.64	S062	TS80C2	8871	3548
64.2	214	2.7	22.13	S082	TH90L4	18000	5463
63.3	217	2.6	22.13	S082	TS90LA4	18000	5486
62.3	213	Ex	46.10	S062	TH90S2	8940	3576
62.0	214	Ex	46.10	S062	TP90S2	8947	3579
61.7	223	1.5	23.18	S062	TP90L4	8909	3564
61.6	215	Ex	46.10	S062	TS90S2	8961	3585
61.3	224	1.5	23.18	S062	TH90L4	8923	3569
61.0	218	Ex	46.10	S062	TS80C2	8983	3593
60.8	218	Ex	47.20	S052	TH90S2	4765	4765
60.6	219	Ex	47.20	S052	TP90S2	4767	4767
60.4	228	1.5	23.18	S062	TS90LA4	8951	3581
60.2	221	Ex	47.20	S052	TS90S2	4772	4772
59.6	231	2.5	24.00	S082	TP90L4	18000	5588
59.5	223	Ex	47.20	S052	TS80C2	4780	4780
59.2	232	2.5	24.00	S082	TH90L4	18000	5600
59.0	235	1.4	15.94	S062	TH100L6	8984	3594
59.0	235	1.4	15.94	S062	TP100L6	8984	3594
58.4	238	1.4	15.94	S062	TS100LA6	9005	3602
58.3	236	2.4	24.00	S082	TS90LA4	18000	5624
57.1	232	Ex	50.25	S082	TH90S2	18000	5668
56.9	242	1.4	25.14	S062	TP90L4	9070	3628
56.9	233	Ex	50.25	S082	TP90S2	18000	5674
56.5	243	1.4	25.14	S062	TH90L4	9084	3634
56.5	235	Ex	50.25	S082	TS90S2	18000	5686
55.9	237	Ex	50.25	S082	TS80C2	18000	5704
55.7	247	1.4	25.14	S062	TS90LA4	9112	3645
54.4	256	2.2	17.29	S082	TH100L6	18000	5743
54.4	256	2.2	17.29	S082	TP100L6	18000	5743
53.8	258	2.1	17.29	S082	TS100LA6	18000	5762
53.6	248	Ex	53.53	S062	TH90S2	9242	3697
53.4	248	Ex	53.53	S062	TP90S2	9249	3700
53.1	250	Ex	53.53	S062	TS90S2	9263	3705
52.9	251	Ex	54.27	S082	TH90S2	18000	5802

5.1 S GEARED MOTORS (50Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
52.7	252	Ex	54.27	S082	TP90S2	18000	5808
52.5	253	Ex	53.53	S062	TS80C2	9285	3714
52.4	262	2.5	27.29	S082	TP90L4	18000	5809
52.3	254	Ex	54.27	S082	TS90S2	18000	5820
52.2	254	Ex	55.00	S062	TH90S2	9297	3719
52.0	255	Ex	55.00	S062	TP90S2	9303	3721
52.0	264	2.5	27.29	S082	TH90L4	18000	5822
51.8	256	Ex	54.27	S082	TS80C2	18000	5839
51.7	266	1.3	27.66	S062	TP90L4	9256	3702
51.6	257	Ex	55.00	S062	TS90S2	9317	3727
51.3	268	1.3	27.66	S062	TH90L4	9269	3708
51.3	268	2.4	27.29	S082	TS90LA4	18000	5846
51.1	260	Ex	55.00	S062	TS80C2	9338	3735
50.6	272	1.3	27.66	S062	TS90LA4	9296	3719
49.9	276	2.4	28.67	S082	TP90L4	18000	5897
49.5	278	2.3	28.67	S082	TH90L4	18000	5909
48.8	282	2.3	28.67	S082	TS90LA4	18000	5934
48.1	289	1.1	19.55	S062	TH100L6	9376	3750
48.1	289	1.1	19.55	S062	TP100L6	9376	3750
47.7	289	1.2	30.00	S062	TP90L4	9411	3764
47.6	292	1.1	19.55	S062	TS100LA6	9396	3758
47.3	291	1.2	30.00	S062	TH90L4	9424	3769
46.7	295	1.2	30.00	S062	TS90LA4	9450	3780
46.7	298	1.9	20.14	S082	TH100L6	18000	6012
46.7	298	1.9	20.14	S082	TP100L6	18000	6012
46.3	287	Ex	61.98	S082	TH90S2	18000	6039
46.2	301	1.8	20.14	S082	TS100LA6	18000	6031
46.1	288	Ex	61.98	S082	TP90S2	18000	6045
45.8	290	Ex	61.98	S082	TS90S2	18000	6058
45.3	293	Ex	61.98	S082	TS80C2	18000	6077
45.0	306	2.8	31.78	S082	TP90L4	18000	6081
44.7	308	2.8	31.78	S082	TH90L4	18000	6094
44.1	312	2.7	31.78	S082	TS90LA4	18000	6119
42.5	312	Ex	67.47	S062	TH90S2	9692	3877
42.5	327	1.8	22.13	S082	TH100L6	18000	6183
42.5	327	1.8	22.13	S082	TP100L6	18000	6183
42.5	306	Ex	67.52	S083	TH90S2	18000	6202
42.4	313	Ex	67.47	S062	TP90S2	9698	3879
42.4	307	Ex	67.52	S083	TP90S2	18000	6208
42.1	315	Ex	67.47	S062	TS90S2	9712	3885
42.1	309	Ex	67.52	S083	TS90S2	18000	6221

5.1 S GEARED MOTORS (50Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
42.0	330	1.7	22.13	S082	TS100LA6	18000	6202
41.7	319	Ex	67.47	S062	TS80C2	9731	3893
41.6	312	Ex	67.52	S083	TS80C2	18000	6241
41.0	336	2.5	34.91	S082	TP90L4	18000	6253
40.7	338	2.5	34.91	S082	TH90L4	18000	6266
40.1	343	2.5	34.91	S082	TS90LA4	18000	6293
39.2	355	1.6	24.00	S082	TH100L6	18000	6333
39.2	355	1.6	24.00	S082	TP100L6	18000	6333
39.1	352	1.5	36.57	S062	TP90L4	9769	3908
38.8	354	1.4	36.57	S062	TH90L4	9781	3913
38.8	358	1.6	24.00	S082	TS100LA6	18000	6353
38.7	336	Ex	74.18	S083	TH90S2	18000	6378
38.6	337	Ex	74.18	S083	TP90S2	18000	6385
38.3	359	1.4	36.57	S062	TS90LA4	9806	3922
38.3	339	Ex	74.18	S083	TS90S2	18000	6398
37.9	343	Ex	74.18	S083	TS80C2	18000	6418
36.6	376	3.4	38.30	S102	TS90LA4	22000	8020
36.3	379	1.3	39.38	S062	TP90L4	9894	3958
36.1	381	1.3	39.38	S062	TH90L4	9906	3962
35.7	385	2.2	40.05	S082	TP90L4	18000	6512
35.6	387	1.3	39.38	S062	TS90LA4	9929	3972
35.5	388	2.2	40.05	S082	TH90L4	18000	6525
35.2	369	Ex	81.43	S063	TH90S2	10000	4000
35.1	370	Ex	81.43	S063	TP90S2	10000	4000
35.0	393	2.2	40.05	S082	TS90LA4	18000	6552
34.9	373	Ex	81.43	S063	TS90S2	10000	4000
34.5	377	Ex	81.43	S063	TS80C2	10000	4000
34.4	403	1.6	27.29	S082	TH100L6	18000	6576
34.4	403	1.6	27.29	S082	TP100L6	18000	6576
34.1	408	1.6	27.29	S082	TS100LA6	18000	6597
33.2	414	2.1	43.05	S082	TP90L4	18000	6650
33.0	417	2.0	43.05	S082	TH90L4	18000	6664
32.8	420	1.2	43.64	S062	TP90L4	10000	4000
32.8	424	1.5	28.67	S082	TH100L6	18000	6672
32.8	424	1.5	28.67	S082	TP100L6	18000	6672
32.5	423	1.2	43.64	S062	TH90L4	10000	4000
32.5	423	2.0	43.05	S082	TS90LA4	18000	6691
32.5	423	2.6	44.00	S102	TP90L4	22000	8314
32.4	428	1.5	28.67	S082	TS100LA6	18000	6692
32.3	426	2.6	44.00	S102	TH90L4	22000	8332
32.1	429	1.2	43.64	S062	TS90LA4	10000	4000

5.1 S GEARED MOTORS (50Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
31.8	432	2.6	44.00	S102	TS90LA4	22000	8368
31.5	441	2.4	29.87	S102	TH100L6	22000	8392
31.5	441	2.4	29.87	S102	TP100L6	22000	8392
31.4	414	Ex	91.49	S083	TH90S2	18000	6784
31.3	416	Ex	91.49	S083	TP90S2	18000	6791
31.1	446	2.4	29.87	S102	TS100LA6	22000	8420
31.0	443	1.2	46.10	S062	TP90L4	10000	4000
31.0	419	Ex	91.49	S083	TS90S2	18000	6805
30.8	446	1.1	46.10	S062	TH90L4	10000	4000
30.7	423	Ex	91.49	S083	TS80C2	18000	6826
30.4	453	1.1	46.10	S062	TS90LA4	10000	4000
30.3	453	3.0	47.13	S102	TP90L4	22000	8489
30.1	456	3.0	47.13	S102	TH90L4	22000	8507
29.7	463	2.9	47.13	S102	TS90LA4	22000	8544
29.6	470	1.8	31.78	S082	TH100L6	18000	6872
29.6	470	1.8	31.78	S082	TP100L6	18000	6872
29.3	475	1.8	31.78	S082	TS100LA6	18000	6894
29.0	479	2.7	32.40	S102	TH100L6	22000	8602
29.0	479	2.7	32.40	S102	TP100L6	22000	8602
28.7	484	2.6	32.40	S102	TS100LA6	22000	8630
28.5	483	1.8	50.25	S082	TP90L4	18000	6954
28.3	487	1.7	50.25	S082	TH90L4	18000	6968
27.9	494	1.7	50.25	S082	TS90LA4	18000	6996
26.9	516	1.6	34.91	S082	TH100L6	18000	7060
26.9	516	1.6	34.91	S082	TP100L6	18000	7060
26.9	516	2.3	34.91	S102	TH100L6	22000	8798
26.9	516	2.3	34.91	S102	TP100L6	22000	8798
26.6	521	1.6	34.91	S082	TS100LA6	18000	7081
26.6	521	2.3	34.91	S102	TS100LA6	22000	8826
26.4	522	1.6	54.27	S082	TP90L4	18000	7108
26.2	526	1.6	54.27	S082	TH90L4	18000	7122
25.9	530	2.1	55.14	S102	TP90L4	22000	8901
25.8	533	1.6	54.27	S082	TS90LA4	18000	7151
25.8	534	2.1	55.14	S102	TH90L4	22000	8920
25.4	542	2.0	55.14	S102	TS90LA4	22000	8958
24.5	531	Ex	117.17	S083	TH90S2	18000	7200
24.5	566	2.3	38.30	S102	TH100L6	22000	9000
24.5	566	2.3	38.30	S102	TP100L6	22000	9000
24.4	532	Ex	117.17	S083	TP90S2	18000	7200
24.3	572	2.2	38.30	S102	TS100LA6	22000	9000
24.2	536	Ex	117.17	S083	TS90S2	18000	7200

5.1 S GEARED MOTORS (50Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
24.1	571	2.4	59.40	S102	TP90L4	22000	9000
24.0	542	Ex	117.17	S083	TS80C2	18000	7200
23.9	575	2.4	59.40	S102	TH90L4	22000	9000
23.6	583	2.3	59.40	S102	TS90LA4	22000	9000
23.5	592	1.4	40.05	S082	TH100L6	18000	7200
23.5	592	1.4	40.05	S082	TP100L6	18000	7200
23.2	598	1.4	40.05	S082	TS100LA6	18000	7200
23.1	596	1.4	61.98	S082	TP90L4	18000	7200
22.9	600	1.4	61.98	S082	TH90L4	18000	7200
22.6	609	1.4	61.98	S082	TS90LA4	18000	7200
22.3	583	Ex	128.73	S083	TH90S2	18000	7200
22.2	585	Ex	128.73	S083	TP90S2	18000	7200
22.1	589	Ex	128.73	S083	TS90S2	18000	7200
21.8	636	1.3	43.05	S082	TH100L6	18000	7200
21.8	636	1.3	43.05	S082	TP100L6	18000	7200
21.8	595	Ex	128.73	S083	TS80C2	18000	7200
21.6	643	1.3	43.05	S082	TS100LA6	18000	7200
21.4	650	1.7	44.00	S102	TH100L6	22000	9000
21.4	650	1.7	44.00	S102	TP100L6	22000	9000
21.2	636	1.3	67.52	S083	TP90L4	18000	7200
21.1	652	2.1	67.84	S102	TP90L4	22000	9000
21.1	657	1.7	44.00	S102	TS100LA6	22000	9000
21.0	640	1.3	67.52	S083	TH90L4	18000	7200
20.9	657	2.1	67.84	S102	TH90L4	22000	9000
20.7	649	1.3	67.52	S083	TS90LA4	18000	7200
20.6	666	2.0	67.84	S102	TS90LA4	22000	9000
19.9	696	2.0	47.13	S102	TH100L6	22000	9000
19.9	696	2.0	47.13	S102	TP100L6	22000	9000
19.7	704	1.9	47.13	S102	TS100LA6	22000	9000
19.3	699	1.2	74.18	S083	TP90L4	18000	7200
19.3	699	2.0	74.18	S103	TP90L4	22000	9000
19.2	725	2.8	49.04	S122	TH100L6	30000	11200
19.2	725	2.8	49.04	S122	TP100L6	30000	11200
19.1	703	1.2	74.18	S083	TH90L4	18000	7200
19.1	703	1.9	74.18	S103	TH90L4	22000	9000
19.0	732	2.8	49.04	S122	TS100LA6	30000	11200
18.9	713	1.2	74.18	S083	TS90LA4	18000	7200
18.9	713	1.9	74.18	S103	TS90LA4	22000	9000
18.7	742	1.1	50.25	S082	TH100L6	18000	7200
18.7	742	1.1	50.25	S082	TP100L6	18000	7200
18.5	750	1.1	50.25	S082	TS100LA6	18000	7200

5.1 S GEARED MOTORS (50Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
17.6	766	1.8	81.39	S103	TP90L4	22000	9000
17.5	794	2.8	53.75	S122	TH100L6	30000	11200
17.5	794	2.8	53.75	S122	TP100L6	30000	11200
17.4	772	1.8	81.39	S103	TH90L4	22000	9000
17.3	802	1.1	54.27	S082	TH100L6	18000	7200
17.3	802	1.1	54.27	S082	TP100L6	18000	7200
17.3	803	2.8	53.75	S122	TS100LA6	30000	11200
17.2	783	1.7	81.39	S103	TS90LA4	22000	9000
17.1	810	1.0	54.27	S082	TS100LA6	18000	7200
17.0	815	1.4	55.14	S102	TH100L6	22000	9000
17.0	815	1.4	55.14	S102	TP100L6	22000	9000
16.9	823	1.3	55.14	S102	TS100LA6	22000	9000
15.8	878	1.6	59.40	S102	TH100L6	22000	9000
15.8	878	1.6	59.40	S102	TP100L6	22000	9000
15.7	887	1.5	59.40	S102	TS100LA6	22000	9000
14.3	943	1.4	100.15	S103	TP90L4	22000	9000
14.2	950	1.4	100.15	S103	TH90L4	22000	9000
14.2	975	2.6	66.00	S122	TH100L6	30000	11200
14.2	975	2.6	66.00	S122	TP100L6	30000	11200
14.1	986	2.6	66.00	S122	TS100LA6	30000	11200
14.0	963	1.4	100.15	S103	TS90LA4	22000	9000
13.9	1002	1.4	67.84	S102	TH100L6	22000	9000
13.9	1002	1.4	67.84	S102	TP100L6	22000	9000
13.7	1013	1.3	67.84	S102	TS100LA6	22000	9000
13.2	1028	2.2	71.07	S123	TH100L6	30000	11200
13.2	1028	2.2	71.07	S123	TP100L6	30000	11200
13.1	1039	2.2	71.07	S123	TS100LA6	30000	11200
12.9	1041	1.3	110.55	S103	TP90L4	22000	9000
12.8	1048	1.3	110.55	S103	TH90L4	22000	9000
12.7	1073	1.3	74.18	S103	TH100L6	22000	9000
12.7	1073	1.3	74.18	S103	TP100L6	22000	9000
12.7	1063	1.3	110.55	S103	TS90LA4	22000	9000
12.7	1059	2.4	112.52	S123	TP90L4	30000	11200
12.6	1067	2.4	112.52	S123	TH90L4	30000	11200
12.5	1085	1.3	74.18	S103	TS100LA6	22000	9000
12.4	1082	2.4	112.52	S123	TS90LA4	30000	11200
11.6	1161	2.2	123.33	S123	TP90L4	30000	11200
11.5	1178	1.2	81.39	S103	TH100L6	22000	9000
11.5	1178	1.2	81.39	S103	TP100L6	22000	9000
11.5	1169	2.2	123.33	S123	TH90L4	30000	11200
11.4	1190	1.1	81.39	S103	TS100LA6	22000	9000

5.1 S GEARED MOTORS (50Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
11.4	1186	2.2	123.33	S123	TS90LA4	30000	11200
11.1	1212	1.1	128.73	S103	TP90L4	22000	9000
11.0	1221	1.1	128.73	S103	TH90L4	22000	9000
10.9	1238	1.1	128.73	S103	TS90LA4	22000	9000
10.8	1263	2.0	87.27	S123	TH100L6	30000	11200
10.8	1263	2.0	87.27	S123	TP100L6	30000	11200
10.7	1276	2.0	87.27	S123	TS100LA6	30000	11200
10.7	1260	2.0	133.78	S123	TP90L4	30000	11200
10.6	1269	2.0	133.78	S123	TH90L4	30000	11200
10.5	1287	2.0	133.78	S123	TS90LA4	30000	11200
10.1	1339	1.0	141.24	S103	TH90L4	22000	9000
10.1	1330	1.0	141.24	S103	TP90L4	22000	9000
9.9	1358	1.0	141.24	S103	TS90LA4	22000	9000
9.4	1436	1.8	151.43	S123	TH90L4	30000	11200
9.4	1426	1.8	151.43	S123	TP90L4	30000	11200
9.2	1457	1.8	151.43	S123	TS90LA4	30000	11200
8.4	1628	1.6	112.52	S123	TH100L6	30000	11200
8.4	1628	1.6	112.52	S123	TP100L6	30000	11200
8.3	1645	1.6	112.52	S123	TS100LA6	30000	11200
8.1	1672	1.5	177.53	S123	TP90L4	30000	11200
8.0	1683	1.5	177.53	S123	TH90L4	30000	11200
7.9	1708	1.5	177.53	S123	TS90LA4	30000	11200
7.6	1784	1.4	123.33	S123	TH100L6	30000	11200
7.6	1784	1.4	123.33	S123	TP100L6	30000	11200
7.5	1804	1.4	123.33	S123	TS100LA6	30000	11200
7.3	1845	1.4	194.59	S123	TH90L4	30000	11200
7.3	1832	1.4	194.59	S123	TP90L4	30000	11200
7.2	1872	1.4	194.59	S123	TS90LA4	30000	11200
7.0	1936	1.3	133.78	S123	TH100L6	30000	11200
7.0	1936	1.3	133.78	S123	TP100L6	30000	11200
7.0	1956	1.3	133.78	S123	TS100LA6	30000	11200
6.2	2191	1.2	151.43	S123	TH100L6	30000	11200
6.2	2191	1.2	151.43	S123	TP100L6	30000	11200
6.1	2215	1.2	151.43	S123	TS100LA6	30000	11200
6.0	2250	1.1	238.93	S123	TP90L4	30000	11200
5.9	2266	1.1	238.93	S123	TH90L4	30000	11200
5.9	2298	1.1	238.93	S123	TS90LA4	30000	11200

5.1 S GEARED MOTORS (50Hz)

1.85 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
175.0	97	2.5	8.00	S062	TS90LB4	6703	2681
162.3	104	1.2	8.63	S052	TS90LB4	3756	3756
146.7	116	2.2	9.55	S062	TS90LB4	7023	2809
125.7	135	1.0	11.14	S052	TS90LB4	3963	3963
119.6	142	2.0	11.71	S062	TS90LB4	7398	2959
116.3	147	1.6	8.00	S062	TS100LB6	7441	2976
104.8	162	1.9	13.36	S062	TS90LB4	7640	3056
97.4	176	1.5	9.55	S062	TS100LB6	7763	3105
93.5	183	2.6	9.94	S082	TS100LB6	16905	4830
87.8	193	1.7	15.94	S062	TS90LB4	7962	3185
80.9	210	2.6	17.29	S082	TS90LB4	17673	5049
80.1	214	2.4	11.61	S082	TS100LB6	17721	5063
79.4	216	1.3	11.71	S062	TS100LB6	8129	3252
72.9	235	2.3	12.75	S082	TS100LB6	18000	5209
71.6	237	1.4	19.55	S062	TS90LB4	8325	3330
69.6	246	1.2	13.36	S062	TS100LB6	8359	3343
69.5	244	2.3	20.14	S082	TS90LB4	18000	5287
63.3	268	2.1	22.13	S082	TS90LB4	18000	5439
60.4	281	1.2	23.18	S062	TS90LB4	8615	3446
58.4	294	1.1	15.94	S062	TS100LB6	8653	3461
58.3	291	2.0	24.00	S082	TS90LB4	18000	5572
55.7	305	1.1	25.14	S062	TS90LB4	8747	3499
53.8	319	1.7	17.29	S082	TS100LB6	18000	5705
51.3	331	2.0	27.29	S082	TS90LB4	18000	5788
50.6	335	1.0	27.66	S062	TS90LB4	8895	3558
48.8	347	1.9	28.67	S082	TS90LB4	18000	5872
46.2	371	1.5	20.14	S082	TS100LB6	18000	5965
44.1	385	2.2	31.78	S082	TS90LB4	18000	6051
43.2	393	3.3	32.40	S102	TS90LB4	22000	7562
42.0	408	1.4	22.13	S082	TS100LB6	18000	6130
42.0	408	2.5	22.13	S102	TS100LB6	22000	7623
40.1	423	2.0	34.91	S082	TS90LB4	18000	6217
40.1	423	2.8	34.91	S102	TS90LB4	22000	7736
38.8	442	1.3	24.00	S082	TS100LB6	18000	6275
38.3	443	1.2	36.57	S062	TS90LB4	9274	3710
38.3	447	2.4	24.28	S102	TS100LB6	22000	7840
36.6	464	2.8	38.30	S102	TS90LB4	22000	7955
35.6	477	1.1	39.38	S062	TS90LB4	9357	3743
35.3	485	2.2	26.33	S102	TS100LB6	22000	8034
35.0	485	1.8	40.05	S082	TS90LB4	18000	6466
34.1	503	1.3	27.29	S082	TS100LB6	18000	6508

5.1 S GEARED MOTORS (50Hz)

1.85 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
32.5	522	1.6	43.05	S082	TS90LB4	18000	6599
32.4	528	1.2	28.67	S082	TS100LB6	18000	6599
31.8	533	2.1	44.00	S102	TS90LB4	22000	8293
31.1	550	2.0	29.87	S102	TS100LB6	22000	8342
29.7	571	2.4	47.13	S102	TS90LB4	22000	8464
29.3	585	1.5	31.78	S082	TS100LB6	18000	6790
28.7	597	2.1	32.40	S102	TS100LB6	22000	8546
27.9	609	1.4	50.25	S082	TS90LB4	18000	6888
26.6	643	1.3	34.91	S082	TS100LB6	18000	6967
26.6	643	1.9	34.91	S102	TS100LB6	22000	8736
26.0	651	3.4	53.75	S122	TS90LB4	30000	11200
25.8	657	1.3	54.27	S082	TS90LB4	18000	7034
25.4	668	1.7	55.14	S102	TS90LB4	22000	8864
24.3	706	1.8	38.30	S102	TS100LB6	22000	8976
23.6	720	1.9	59.40	S102	TS90LB4	22000	9000
23.2	738	1.2	40.05	S082	TS100LB6	18000	7200
22.6	751	1.1	61.98	S082	TS90LB4	18000	7200
21.6	793	1.1	43.05	S082	TS100LB6	18000	7200
21.3	803	3.2	43.60	S122	TS100LB6	30000	11200
21.2	800	3.2	66.00	S122	TS90LB4	30000	11200
21.1	810	1.4	44.00	S102	TS100LB6	22000	9000
20.7	801	1.1	67.52	S083	TS90LB4	18000	7200
20.6	822	1.7	67.84	S102	TS90LB4	22000	9000
19.7	868	1.6	47.13	S102	TS100LB6	22000	9000
19.0	903	2.3	49.04	S122	TS100LB6	30000	11200
18.9	880	1.6	74.18	S103	TS90LB4	22000	9000
17.3	990	2.2	53.75	S122	TS100LB6	30000	11200
17.2	966	1.4	81.39	S103	TS90LB4	22000	9000
16.9	1016	1.1	55.14	S102	TS100LB6	22000	9000
15.7	1094	1.2	59.40	S102	TS100LB6	22000	9000
14.1	1216	2.1	66.00	S122	TS100LB6	30000	11200
14.0	1188	1.1	100.15	S103	TS90LB4	22000	9000
13.7	1250	1.1	67.84	S102	TS100LB6	22000	9000
13.1	1282	1.8	71.07	S123	TS100LB6	30000	11200
12.7	1311	1.0	110.55	S103	TS90LB4	22000	9000
12.5	1338	1.0	74.18	S103	TS100LB6	22000	9000
12.4	1335	1.9	112.52	S123	TS90LB4	30000	11200
11.4	1463	1.7	123.33	S123	TS90LB4	30000	11200
10.7	1574	1.6	87.27	S123	TS100LB6	30000	11200
10.5	1587	1.6	133.78	S123	TS90LB4	30000	11200
9.2	1796	1.4	151.43	S123	TS90LB4	30000	11200

5.1 S GEARED MOTORS (50Hz)

1.85 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
8.3	2029	1.3	112.52	S123	TS100LB6	30000	11200
7.9	2106	1.2	177.53	S123	TS90LB4	30000	11200
7.5	2224	1.2	123.33	S123	TS100LB6	30000	11200
7.2	2308	1.1	194.59	S123	TS90LB4	30000	11200
7.0	2413	1.1	133.78	S123	TS100LB6	30000	11200

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
333.9	58	Ex	8.63	S052	TH90L2	3100	3100
333.9	58	Ex	8.63	S052	TP90L2	3100	3100
331.6	59	Ex	8.63	S052	TS90L2	3106	3106
258.5	75	Ex	11.14	S052	TH90L2	3304	3304
258.5	75	Ex	11.14	S052	TP90L2	3304	3304
256.7	76	Ex	11.14	S052	TS90L2	3310	3310
210.9	92	Ex	13.66	S052	TH90L2	3466	3466
210.9	92	Ex	13.66	S052	TP90L2	3466	3466
209.4	93	Ex	13.66	S052	TS90L2	3471	3471
188.6	103	Ex	15.27	S052	TH90L2	3553	3553
188.6	103	Ex	15.27	S052	TP90L2	3553	3553
187.3	104	Ex	15.27	S052	TS90L2	3558	3558
182.5	111	2.2	8.00	S062	TP112MR4	6516	2606
180.0	112	2.1	8.00	S062	TP100LA4	6539	2616
178.8	113	2.1	8.00	S062	TH100LA4	6551	2620
177.5	114	2.1	8.00	S062	TS100LA4	6563	2625
176.8	110	Ex	16.29	S052	TH90L2	3602	3602
176.8	110	Ex	16.29	S052	TP90L2	3602	3602
175.6	111	Ex	16.29	S052	TS90L2	3607	3607
169.3	119	1.0	8.63	S052	TP112MR4	3611	3611
167.0	121	1.0	8.63	S052	TP100LA4	3621	3621
165.8	122	1.0	8.63	S052	TH100LA4	3626	3626
164.6	123	1.0	8.63	S052	TS100LA4	3631	3631
154.6	126	Ex	18.63	S052	TH90L2	3702	3702
154.6	126	Ex	18.63	S052	TP90L2	3702	3702
153.5	127	Ex	18.63	S052	TS90L2	3708	3708
153.0	132	2.0	9.55	S062	TP112MR4	6814	2726
150.9	134	1.9	9.55	S062	TP100LA4	6837	2735
149.8	135	1.9	9.55	S062	TH100LA4	6849	2740
148.8	136	1.9	9.55	S062	TS100LA4	6861	2744
147.3	132	Ex	19.55	S062	TH90L2	6908	2763
147.3	132	Ex	19.55	S062	TP90L2	6908	2763

5.1 S GEARED MOTORS (50Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
146.3	133	Ex	19.55	S062	TS90L2	6920	2768
136.9	142	Ex	21.04	S052	TH90L2	3789	3789
136.9	142	Ex	21.04	S052	TP90L2	3789	3789
136.0	143	Ex	21.04	S052	TS90L2	3794	3794
130.8	156	2.5	7.34	S082	TH112M6	15160	4332
130.8	156	2.5	7.34	S082	TP112M6	15160	4332
129.3	151	Ex	22.13	S082	TS90L2	15239	4354
126.7	161	2.5	7.34	S082	TS112MA6	15309	4374
124.7	162	1.7	11.71	S062	TP112MR4	7158	2863
124.3	157	Ex	23.18	S062	TH90L2	7200	2880
124.3	157	Ex	23.18	S062	TP90L2	7200	2880
123.4	158	Ex	23.18	S062	TS90L2	7212	2885
123.0	164	1.7	11.71	S062	TP100LA4	7181	2872
122.1	165	1.7	11.71	S062	TH100LA4	7193	2877
121.3	166	1.7	11.71	S062	TS100LA4	7204	2882
120.0	170	1.4	8.00	S062	TH112M6	7211	2885
120.0	170	1.4	8.00	S062	TP112M6	7211	2885
120.0	162	Ex	24.00	S082	TH90L2	15592	4455
120.0	162	Ex	24.00	S082	TP90L2	15592	4455
119.7	163	Ex	24.07	S052	TH90L2	3880	3880
119.7	163	Ex	24.07	S052	TP90L2	3880	3880
119.2	163	Ex	24.00	S082	TS90L2	15625	4464
119.1	171	2.5	8.06	S082	TH112M6	15604	4458
119.1	171	2.5	8.06	S082	TP112M6	15604	4458
118.8	164	Ex	24.07	S052	TS90L2	3884	3884
116.3	175	1.4	8.00	S062	TS112MA6	7264	2906
115.3	177	2.4	8.06	S082	TS112MA6	15756	4502
114.5	170	Ex	25.14	S062	TH90L2	7339	2935
114.5	170	Ex	25.14	S062	TP90L2	7339	2935
113.8	171	Ex	25.14	S062	TS90L2	7350	2940
111.7	174	Ex	25.79	S052	TH90L2	3923	3923
111.7	174	Ex	25.79	S052	TP90L2	3923	3923
110.9	175	Ex	25.79	S052	TS90L2	3928	3928
109.3	185	1.6	13.36	S062	TP112MR4	7377	2951
107.8	187	1.6	13.36	S062	TP100LA4	7400	2960
107.1	188	1.6	13.36	S062	TH100LA4	7411	2964
106.3	190	1.6	13.36	S062	TS100LA4	7423	2969
105.5	184	Ex	27.29	S082	TH90L2	16216	4633
105.5	184	Ex	27.29	S082	TP90L2	16216	4633
104.8	186	Ex	27.29	S082	TS90L2	16251	4643
104.1	187	Ex	27.66	S062	TH90L2	7500	3000

5.1 S GEARED MOTORS (50Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
104.1	187	Ex	27.66	S062	TP90L2	7500	3000
103.6	188	Ex	27.81	S052	TH90L2	3969	3969
103.6	188	Ex	27.81	S052	TP90L2	3969	3969
103.4	188	Ex	27.66	S062	TS90L2	7511	3005
102.8	189	Ex	27.81	S052	TS90L2	3973	3973
100.6	203	1.3	9.55	S062	TH112M6	7501	3000
100.6	203	1.3	9.55	S062	TP112M6	7501	3000
100.4	194	Ex	28.67	S082	TH90L2	16463	4704
100.4	194	Ex	28.67	S082	TP90L2	16463	4704
99.7	195	Ex	28.67	S082	TS90L2	16498	4714
97.4	209	1.2	9.55	S062	TS112MA6	7552	3021
96.5	211	2.2	9.94	S082	TH112M6	16631	4752
96.5	211	2.2	9.94	S082	TP112M6	16631	4752
96.0	203	Ex	30.00	S062	TH90L2	7636	3054
96.0	203	Ex	30.00	S062	TP90L2	7636	3054
95.3	204	Ex	30.00	S062	TS90L2	7647	3059
93.5	218	2.2	9.94	S082	TS112MA6	16791	4797
91.6	220	1.5	15.94	S062	TP112MR4	7664	3066
90.6	215	Ex	31.78	S082	TH90L2	16984	4852
90.6	215	Ex	31.78	S082	TP90L2	16984	4852
90.4	223	1.5	15.94	S062	TP100LA4	7686	3074
90.0	216	Ex	31.78	S082	TS90L2	17019	4863
89.7	225	1.4	15.94	S062	TH100LA4	7697	3079
89.1	226	1.4	15.94	S062	TS100LA4	7708	3083
84.4	239	2.3	17.29	S082	TP112MR4	17324	4950
83.3	242	2.3	17.29	S082	TP100LA4	17396	4970
82.7	246	2.1	11.61	S082	TH112M6	17422	4978
82.7	246	2.1	11.61	S082	TP112M6	17422	4978
82.7	244	2.3	17.29	S082	TH100LA4	17432	4981
82.5	236	Ex	34.91	S082	TH90L2	17472	4992
82.5	236	Ex	34.91	S082	TP90L2	17472	4992
82.1	246	2.3	17.29	S082	TS100LA4	17469	4991
82.0	248	1.1	11.71	S062	TH112M6	7823	3129
82.0	248	1.1	11.71	S062	TP112M6	7823	3129
81.9	238	Ex	34.91	S082	TS90L2	17508	5002
80.1	254	2.0	11.61	S082	TS112MA6	17588	5025
79.4	256	1.1	11.71	S062	TS112MA6	7871	3148
78.8	247	Ex	36.57	S062	TH90L2	7957	3183
78.8	247	Ex	36.57	S062	TP90L2	7957	3183
78.2	249	Ex	36.57	S062	TS90L2	7968	3187
75.3	271	2.0	12.75	S082	TH112M6	17917	5119

5.1 S GEARED MOTORS (50Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
75.3	271	2.0	12.75	S082	TP112M6	17917	5119
75.3	271	2.7	12.75	S102	TH112M6	22000	6338
75.3	271	2.7	12.75	S102	TP112M6	22000	6338
74.7	270	1.2	19.55	S062	TP112MR4	7980	3192
73.7	274	1.2	19.55	S062	TP100LA4	8000	3200
73.1	276	1.2	19.55	S062	TH100LA4	8010	3204
73.1	266	Ex	39.38	S062	TH90L2	8072	3229
73.1	266	Ex	39.38	S062	TP90L2	8072	3229
72.9	279	1.9	12.75	S082	TS112MA6	18000	5167
72.9	279	2.6	12.75	S102	TS112MA6	22000	6400
72.6	278	1.2	19.55	S062	TS100LA4	8021	3208
72.6	268	Ex	39.38	S062	TS90L2	8082	3233
72.5	278	2.0	20.14	S082	TP112MR4	18000	5179
71.9	283	1.1	13.36	S062	TH112M6	8018	3207
71.9	283	1.1	13.36	S062	TP112M6	8018	3207
71.9	271	Ex	40.05	S082	TH90L2	18000	5201
71.9	271	Ex	40.05	S082	TP90L2	18000	5201
71.5	282	2.0	20.14	S082	TP100LA4	18000	5201
71.4	273	Ex	40.05	S082	TS90L2	18000	5212
71.0	284	2.0	20.14	S082	TH100LA4	18000	5211
70.5	286	1.9	20.14	S082	TS100LA4	18000	5222
69.6	293	1.0	13.36	S062	TS112MA6	8064	3225
66.9	291	Ex	43.05	S082	TH90L2	18000	5314
66.9	291	Ex	43.05	S082	TP90L2	18000	5314
66.4	293	Ex	43.05	S082	TS90L2	18000	5325
66.0	295	Ex	43.64	S062	TH90L2	8226	3290
66.0	295	Ex	43.64	S062	TP90L2	8226	3290
66.0	306	1.9	22.13	S082	TP112MR4	18000	5325
65.5	297	Ex	43.64	S062	TS90L2	8236	3294
65.1	310	1.9	22.13	S082	TP100LA4	18000	5347
64.6	312	1.8	22.13	S082	TH100LA4	18000	5358
64.2	314	1.8	22.13	S082	TS100LA4	18000	5369
63.0	320	1.1	23.18	S062	TP112MR4	8222	3289
62.5	312	Ex	46.10	S062	TH90L2	8304	3322
62.5	312	Ex	46.10	S062	TP90L2	8304	3322
62.1	325	1.0	23.18	S062	TP100LA4	8240	3296
62.0	314	Ex	46.10	S062	TS90L2	8314	3326
61.7	327	1.0	23.18	S062	TH100LA4	8250	3300
61.3	329	1.0	23.18	S062	TS100LA4	8259	3304
60.8	332	1.7	24.00	S082	TP112MR4	18000	5454
60.0	336	1.7	24.00	S082	TP100LA4	18000	5476

5.1 S GEARED MOTORS (50Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
59.6	339	1.7	24.00	S082	TH100LA4	18000	5487
59.2	341	1.7	24.00	S082	TS100LA4	18000	5498
57.3	340	Ex	50.25	S082	TH90L2	18000	5560
57.3	340	Ex	50.25	S082	TP90L2	18000	5560
56.9	342	Ex	50.25	S082	TS90L2	18000	5572
55.8	365	2.6	17.21	S102	TH112M6	22000	6948
55.8	365	2.6	17.21	S102	TP112M6	22000	6948
55.5	367	1.5	17.29	S082	TH112M6	18000	5597
55.5	367	1.5	17.29	S082	TP112M6	18000	5597
54.0	377	2.5	17.21	S102	TS112MA6	22000	7016
53.8	362	Ex	53.53	S062	TH90L2	8506	3402
53.8	362	Ex	53.53	S062	TP90L2	8506	3402
53.8	379	1.5	17.29	S082	TS112MA6	18000	5649
53.5	377	1.7	27.29	S082	TP112MR4	18000	5660
53.4	364	Ex	53.53	S062	TS90L2	8515	3406
53.1	367	Ex	54.27	S082	TH90L2	18000	5686
53.1	367	Ex	54.27	S082	TP90L2	18000	5686
52.8	382	1.7	27.29	S082	TP100LA4	18000	5683
52.7	369	Ex	54.27	S082	TS90L2	18000	5698
52.4	372	Ex	55.00	S062	TH90L2	8540	3416
52.4	372	Ex	55.00	S062	TP90L2	8540	3416
52.4	385	1.7	27.29	S082	TH100LA4	18000	5694
52.0	374	Ex	55.00	S062	TS90L2	8549	3419
52.0	388	1.7	27.29	S082	TS100LA4	18000	5706
50.9	396	1.6	28.67	S082	TP112MR4	18000	5741
50.5	403	2.5	19.00	S102	TH112M6	22000	7159
50.5	403	2.5	19.00	S102	TP112M6	22000	7159
50.2	402	1.6	28.67	S082	TP100LA4	18000	5764
49.9	404	1.6	28.67	S082	TH100LA4	18000	5776
49.5	407	1.6	28.67	S082	TS100LA4	18000	5787
48.9	413	2.6	29.87	S102	TP112MR4	22000	7234
48.9	416	2.4	19.00	S102	TS112MA6	22000	7228
48.2	418	2.6	29.87	S102	TP100LA4	22000	7265
47.9	421	2.6	29.87	S102	TH100LA4	22000	7280
47.7	427	1.3	20.14	S082	TH112M6	18000	5847
47.7	427	1.3	20.14	S082	TP112M6	18000	5847
47.5	424	2.5	29.87	S102	TS100LA4	22000	7295
46.5	419	Ex	61.98	S082	TH90L2	18000	5907
46.5	419	Ex	61.98	S082	TP90L2	18000	5907
46.2	441	1.3	20.14	S082	TS112MA6	18000	5900
46.1	422	Ex	61.98	S082	TS90L2	18000	5919

5.1 S GEARED MOTORS (50Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
45.9	439	1.9	31.78	S082	TP112MR4	18000	5912
45.3	445	1.9	31.78	S082	TP100LA4	18000	5935
45.1	448	2.9	32.40	S102	TP112MR4	22000	7414
45.0	448	1.9	31.78	S082	TH100LA4	18000	5947
44.7	451	1.9	31.78	S082	TS100LA4	18000	5959
44.4	454	2.8	32.40	S102	TP100LA4	22000	7444
44.1	457	2.8	32.40	S102	TH100LA4	22000	7460
43.8	460	2.8	32.40	S102	TS100LA4	22000	7476
43.4	469	1.2	22.13	S082	TH112M6	18000	6004
43.4	469	1.2	22.13	S082	TP112M6	18000	6004
43.4	469	2.2	22.13	S102	TH112M6	22000	7495
43.4	469	2.2	22.13	S102	TP112M6	22000	7495
42.7	447	Ex	67.52	S083	TH90L2	18000	6062
42.7	447	Ex	67.52	S083	TP90L2	18000	6062
42.4	450	Ex	67.52	S083	TS90L2	18000	6074
42.0	485	1.2	22.13	S082	TS112MA6	18000	6058
42.0	485	2.1	22.13	S102	TS112MA6	22000	7566
41.8	482	1.8	34.91	S082	TP112MR4	18000	6071
41.8	482	2.5	34.91	S102	TP112MR4	22000	7581
41.3	489	1.7	34.91	S082	TP100LA4	18000	6094
41.3	489	2.4	34.91	S102	TP100LA4	22000	7612
41.0	492	1.7	34.91	S082	TH100LA4	18000	6106
41.0	492	2.4	34.91	S102	TH100LA4	22000	7628
40.7	496	1.7	34.91	S082	TS100LA4	18000	6118
40.7	496	2.4	34.91	S102	TS100LA4	22000	7644
40.0	509	1.1	24.00	S082	TH112M6	18000	6142
40.0	509	1.1	24.00	S082	TP112M6	18000	6142
39.9	505	1.0	36.57	S062	TP112MR4	8714	3486
39.5	515	2.1	24.28	S102	TH112M6	22000	7705
39.5	515	2.1	24.28	S102	TP112M6	22000	7705
38.8	526	1.1	24.00	S082	TS112MA6	18000	6196
38.8	491	Ex	74.18	S083	TH90L2	18000	6225
38.8	491	Ex	74.18	S083	TP90L2	18000	6225
38.6	494	Ex	74.18	S083	TS90L2	18000	6237
38.3	532	2.0	24.28	S102	TS112MA6	22000	7777
38.1	529	2.4	38.30	S102	TP112MR4	22000	7793
37.6	536	2.4	38.30	S102	TP100LA4	22000	7825
37.3	540	2.4	38.30	S102	TH100LA4	22000	7841
37.1	544	2.4	38.30	S102	TS100LA4	22000	7857
36.5	553	1.5	40.05	S082	TP112MR4	18000	6307
36.5	559	1.9	26.33	S102	TH112M6	22000	7892

5.1 S GEARED MOTORS (50Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
36.5	559	1.9	26.33	S102	TP112M6	22000	7892
36.0	561	1.5	40.05	S082	TP100LA4	18000	6331
35.7	565	1.5	40.05	S082	TH100LA4	18000	6343
35.5	569	1.5	40.05	S082	TS100LA4	18000	6355
35.3	577	1.9	26.33	S102	TS112MA6	22000	7966
35.2	579	1.1	27.29	S082	TH112M6	18000	6363
35.2	579	1.1	27.29	S082	TP112M6	18000	6363
34.1	598	1.1	27.29	S082	TS112MA6	18000	6418
33.9	595	1.4	43.05	S082	TP112MR4	18000	6433
33.5	608	1.1	28.67	S082	TH112M6	18000	6449
33.5	608	1.1	28.67	S082	TP112M6	18000	6449
33.4	603	1.4	43.05	S082	TP100LA4	18000	6457
33.2	607	1.4	43.05	S082	TH100LA4	18000	6469
33.2	608	1.8	44.00	S102	TP112MR4	22000	8118
33.0	612	1.4	43.05	S082	TS100LA4	18000	6481
32.7	616	1.8	44.00	S102	TP100LA4	22000	8151
32.5	621	1.8	44.00	S102	TH100LA4	22000	8167
32.4	628	1.0	28.67	S082	TS112MA6	18000	6505
32.3	625	1.8	44.00	S102	TS100LA4	22000	8184
32.1	634	1.7	29.87	S102	TH112M6	22000	8189
32.1	634	1.7	29.87	S102	TP112M6	22000	8189
31.5	605	Ex	91.49	S083	TH90L2	18000	6596
31.5	605	Ex	91.49	S083	TP90L2	18000	6596
31.3	610	Ex	91.49	S083	TS90L2	18000	6609
31.1	654	1.7	29.87	S102	TS112MA6	22000	8265
31.0	651	2.1	47.13	S102	TP112MR4	22000	8282
30.6	660	2.1	47.13	S102	TP100LA4	22000	8315
30.3	665	2.1	47.13	S102	TH100LA4	22000	8332
30.2	674	1.3	31.78	S082	TH112M6	18000	6630
30.2	674	1.3	31.78	S082	TP112M6	18000	6630
30.1	669	2.0	47.13	S102	TS100LA4	22000	8349
29.8	677	3.0	49.04	S122	TP112MR4	30000	11200
29.6	688	1.9	32.40	S102	TH112M6	22000	8385
29.6	688	1.9	32.40	S102	TP112M6	22000	8385
29.4	687	3.0	49.04	S122	TP100LA4	30000	11200
29.3	696	1.2	31.78	S082	TS112MA6	18000	6686
29.2	692	3.0	49.04	S122	TH100LA4	30000	11200
29.1	694	1.2	50.25	S082	TP112MR4	18000	6705
29.0	697	2.9	49.04	S122	TS100LA4	30000	11200
28.7	704	1.2	50.25	S082	TP100LA4	18000	6730
28.7	710	1.8	32.40	S102	TS112MA6	22000	8462

5.1 S GEARED MOTORS (50Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
28.5	709	1.2	50.25	S082	TH100LA4	18000	6742
28.3	714	1.2	50.25	S082	TS100LA4	18000	6755
27.5	741	1.1	34.91	S082	TH112M6	18000	6796
27.5	741	1.1	34.91	S082	TP112M6	18000	6796
27.5	741	1.6	34.91	S102	TH112M6	22000	8567
27.5	741	1.6	34.91	S102	TP112M6	22000	8567
27.2	743	3.0	53.75	S122	TP112MR4	30000	11200
26.9	750	1.1	54.27	S082	TP112MR4	18000	6842
26.8	753	2.9	53.75	S122	TP100LA4	30000	11200
26.6	765	1.1	34.91	S082	TS112MA6	18000	6853
26.6	765	1.6	34.91	S102	TS112MA6	22000	8645
26.6	758	2.9	53.75	S122	TH100LA4	30000	11200
26.5	760	1.1	54.27	S082	TP100LA4	18000	6867
26.5	762	1.5	55.14	S102	TP112MR4	22000	8666
26.4	765	1.1	54.27	S082	TH100LA4	18000	6879
26.4	763	2.9	53.75	S122	TS100LA4	30000	11200
26.2	771	1.1	54.27	S082	TS100LA4	18000	6892
26.1	772	1.4	55.14	S102	TP100LA4	22000	8700
25.9	778	1.4	55.14	S102	TH100LA4	22000	8718
25.8	783	1.4	55.14	S102	TS100LA4	22000	8735
25.1	813	1.6	38.30	S102	TH112M6	22000	8797
25.1	813	1.6	38.30	S102	TP112M6	22000	8797
24.6	821	1.7	59.40	S102	TP112MR4	22000	8852
24.3	839	1.5	38.30	S102	TS112MA6	22000	8877
24.2	832	1.6	59.40	S102	TP100LA4	22000	8887
24.1	838	1.6	59.40	S102	TH100LA4	22000	8904
24.0	850	1.0	40.05	S082	TH112M6	18000	7041
24.0	850	1.0	40.05	S082	TP112M6	18000	7041
23.9	844	1.6	59.40	S102	TS100LA4	22000	8922
23.4	871	2.9	41.07	S122	TH112M6	30000	11200
23.4	871	2.9	41.07	S122	TP112M6	30000	11200
22.6	900	2.8	41.07	S122	TS112MA6	30000	11200
22.1	912	2.8	66.00	S122	TP112MR4	30000	11200
22.0	925	2.8	43.60	S122	TH112M6	30000	11200
22.0	925	2.8	43.60	S122	TP112M6	30000	11200
21.8	934	1.2	44.00	S102	TH112M6	22000	9000
21.8	934	1.2	44.00	S102	TP112M6	22000	9000
21.8	924	2.8	66.00	S122	TP100LA4	30000	11200
21.7	931	2.8	66.00	S122	TH100LA4	30000	11200
21.5	937	1.5	67.84	S102	TP112MR4	22000	9000
21.5	937	2.7	66.00	S122	TS100LA4	30000	11200

5.1 S GEARED MOTORS (50Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
21.3	955	2.7	43.60	S122	TS112MA6	30000	11200
21.2	950	1.4	67.84	S102	TP100LA4	22000	9000
21.1	957	1.4	67.84	S102	TH100LA4	22000	9000
21.1	964	1.2	44.00	S102	TS112MA6	22000	9000
20.9	964	1.4	67.84	S102	TS100LA4	22000	9000
20.5	961	2.4	71.07	S123	TP112MR4	30000	11200
20.4	1000	1.4	47.13	S102	TH112M6	22000	9000
20.4	1000	1.4	47.13	S102	TP112M6	22000	9000
20.3	975	2.4	71.07	S123	TP100LA4	30000	11200
20.1	982	2.3	71.07	S123	TH100LA4	30000	11200
20.0	988	2.3	71.07	S123	TS100LA4	30000	11200
19.7	1032	1.3	47.13	S102	TS112MA6	22000	9000
19.7	1003	1.4	74.18	S103	TP112MR4	22000	9000
19.6	1041	2.0	49.04	S122	TH112M6	30000	11200
19.6	1041	2.0	49.04	S122	TP112M6	30000	11200
19.4	1017	1.3	74.18	S103	TP100LA4	22000	9000
19.3	1025	1.3	74.18	S103	TH100LA4	22000	9000
19.1	1032	1.3	74.18	S103	TS100LA4	22000	9000
19.0	1074	1.9	49.04	S122	TS112MA6	30000	11200
17.9	1101	1.2	81.39	S103	TP112MR4	22000	9000
17.9	1141	1.9	53.75	S122	TH112M6	30000	11200
17.9	1141	1.9	53.75	S122	TP112M6	30000	11200
17.7	1116	1.2	81.39	S103	TP100LA4	22000	9000
17.6	1124	1.2	81.39	S103	TH100LA4	22000	9000
17.4	1132	1.2	81.39	S103	TS100LA4	22000	9000
17.3	1177	1.9	53.75	S122	TS112MA6	30000	11200
16.7	1180	2.2	87.27	S123	TP112MR4	30000	11200
16.5	1197	2.1	87.27	S123	TP100LA4	30000	11200
16.4	1205	2.1	87.27	S123	TH100LA4	30000	11200
16.3	1214	2.1	87.27	S123	TS100LA4	30000	11200
16.2	1260	1.1	59.40	S102	TH112M6	22000	9000
16.2	1260	1.1	59.40	S102	TP112M6	22000	9000
15.7	1301	1.0	59.40	S102	TS112MA6	22000	9000
14.6	1355	1.0	100.15	S103	TP112MR4	22000	9000
14.5	1401	1.8	66.00	S122	TH112M6	30000	11200
14.5	1401	1.8	66.00	S122	TP112M6	30000	11200
14.1	1446	1.8	66.00	S122	TS112MA6	30000	11200
13.5	1477	1.6	71.07	S123	TH112M6	30000	11200
13.5	1477	1.6	71.07	S123	TP112M6	30000	11200
13.1	1524	1.5	71.07	S123	TS112MA6	30000	11200
13.0	1522	1.7	112.52	S123	TP112MR4	30000	11200

5.1 S GEARED MOTORS (50Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
12.8	1543	1.7	112.52	S123	TP100LA4	30000	11200
12.7	1554	1.6	112.52	S123	TH100LA4	30000	11200
12.6	1565	1.6	112.52	S123	TS100LA4	30000	11200
11.8	1668	1.5	123.33	S123	TP112MR4	30000	11200
11.7	1691	1.5	123.33	S123	TP100LA4	30000	11200
11.6	1703	1.5	123.33	S123	TH100LA4	30000	11200
11.5	1715	1.5	123.33	S123	TS100LA4	30000	11200
11.0	1813	1.4	87.27	S123	TH112M6	30000	11200
11.0	1813	1.4	87.27	S123	TP112M6	30000	11200
10.9	1810	1.4	133.78	S123	TP112MR4	30000	11200
10.8	1835	1.4	133.78	S123	TP100LA4	30000	11200
10.7	1872	1.4	87.27	S123	TS112MA6	30000	11200
10.7	1848	1.4	133.78	S123	TH100LA4	30000	11200
10.6	1861	1.4	133.78	S123	TS100LA4	30000	11200
9.6	2048	1.2	151.43	S123	TP112MR4	30000	11200
9.5	2077	1.2	151.43	S123	TP100LA4	30000	11200
9.4	2091	1.2	151.43	S123	TH100LA4	30000	11200
9.4	2106	1.2	151.43	S123	TS100LA4	30000	11200
8.5	2338	1.1	112.52	S123	TH112M6	30000	11200
8.5	2338	1.1	112.52	S123	TP112M6	30000	11200
8.3	2413	1.1	112.52	S123	TS112MA6	30000	11200
8.2	2401	1.1	177.53	S123	TP112MR4	30000	11200
8.1	2452	1.0	177.53	S123	TH100LA4	30000	11200
8.1	2435	1.1	177.53	S123	TP100LA4	30000	11200
8.0	2469	1.0	177.53	S123	TS100LA4	30000	11200

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
336.2	79	Ex	8.63	S052	TH100L2	2972	2972
336.2	79	Ex	8.63	S052	TP100L2	2972	2972
332.8	80	Ex	8.63	S052	TS100LA2	2979	2979
260.3	102	Ex	11.14	S052	TH100L2	3141	3141
260.3	102	Ex	11.14	S052	TP100L2	3141	3141
257.6	103	Ex	11.14	S052	TS100LA2	3148	3148
212.4	125	Ex	13.66	S052	TH100L2	3267	3267
212.4	125	Ex	13.66	S052	TP100L2	3267	3267
210.2	126	Ex	13.66	S052	TS100LA2	3273	3273
197.6	139	2.8	7.34	S082	TP112MS4	13221	3777
194.9	141	2.8	7.34	S082	TH100LB4	13277	3793
193.5	142	2.8	7.34	S082	TS100LB4	13306	3802

5.1 S GEARED MOTORS (50Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
189.9	140	Ex	15.27	S052	TH100L2	3331	3331
189.9	140	Ex	15.27	S052	TP100L2	3331	3331
187.9	141	Ex	15.27	S052	TS100LA2	3337	3337
181.3	152	1.6	8.00	S062	TP112MS4	6271	2508
179.8	153	2.8	8.06	S082	TP112MS4	13607	3888
178.8	154	1.5	8.00	S062	TH100LB4	6291	2516
178.1	149	Ex	16.29	S052	TH100L2	3366	3366
178.1	149	Ex	16.29	S052	TP100L2	3366	3366
177.5	155	1.5	8.00	S062	TS100LB4	6301	2520
177.4	155	2.8	8.06	S082	TH100LB4	13664	3904
176.2	151	Ex	16.29	S052	TS100LA2	3371	3371
176.1	156	2.8	8.06	S082	TS100LB4	13694	3912
167.7	158	Ex	17.29	S082	TH100L2	13919	3977
167.7	158	Ex	17.29	S082	TP100L2	13919	3977
165.9	160	Ex	17.29	S082	TS100LA2	13963	3989
151.9	181	1.4	9.55	S062	TP112MS4	6519	2608
149.8	184	1.4	9.55	S062	TH100LB4	6539	2615
148.8	185	1.4	9.55	S062	TS100LB4	6548	2619
148.3	179	Ex	19.55	S062	TH100L2	6593	2637
148.3	179	Ex	19.55	S062	TP100L2	6593	2637
146.8	181	Ex	19.55	S062	TS100LA2	6608	2643
145.8	189	2.5	9.94	S082	TP112MS4	14500	4143
144.0	184	Ex	20.14	S082	TH100L2	14577	4165
144.0	184	Ex	20.14	S082	TP100L2	14577	4165
143.8	191	2.5	9.94	S082	TH100LB4	14561	4160
142.8	193	2.4	9.94	S082	TS100LB4	14592	4169
142.5	186	Ex	20.14	S082	TS100LA2	14623	4178
132.2	210	1.9	7.34	S082	TH132S6	14928	4265
132.2	210	1.9	7.34	S082	TP132S6	14928	4265
131.1	202	Ex	22.13	S082	TH100L2	14996	4285
131.1	202	Ex	22.13	S082	TP100L2	14996	4285
130.8	212	1.9	7.34	S082	TS132SA6	14974	4278
129.7	205	Ex	22.13	S082	TS100LA2	15043	4298
126.7	219	1.8	7.34	S082	TS112MB6	15117	4319
125.1	212	Ex	23.18	S062	TH100L2	6829	2732
125.1	212	Ex	23.18	S062	TP100L2	6829	2732
124.9	220	2.3	11.61	S082	TP112MS4	15188	4339
123.8	222	1.3	11.71	S062	TP112MS4	6794	2718
123.8	214	Ex	23.18	S062	TS100LA2	6843	2737
123.2	223	2.3	11.61	S082	TH100LB4	15251	4357
122.4	225	2.2	11.61	S082	TS100LB4	15283	4367

5.1 S GEARED MOTORS (50Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
122.1	225	1.3	11.71	S062	TH100LB4	6812	2725
121.3	227	1.2	11.71	S062	TS100LB4	6821	2728
120.8	220	Ex	24.00	S082	TH100L2	15366	4390
120.8	220	Ex	24.00	S082	TP100L2	15366	4390
120.3	231	1.9	8.06	S082	TH132S6	15352	4386
120.3	231	1.9	8.06	S082	TP132S6	15352	4386
120.3	231	2.6	8.06	S102	TH132S6	19006	5430
120.3	231	2.6	8.06	S102	TP132S6	19006	5430
119.6	222	Ex	24.00	S082	TS100LA2	15414	4404
119.1	233	1.9	8.06	S082	TS132SA6	15399	4400
119.1	233	2.6	8.06	S102	TS132SA6	19067	5448
115.3	230	Ex	25.14	S062	TH100L2	6938	2775
115.3	230	Ex	25.14	S062	TP100L2	6938	2775
115.3	241	1.8	8.06	S082	TS112MB6	15545	4441
115.3	241	2.5	8.06	S102	TS112MB6	19255	5501
114.1	233	Ex	25.14	S062	TS100LA2	6951	2781
113.7	242	2.2	12.75	S082	TP112MS4	15618	4462
112.2	245	2.2	12.75	S082	TH100LB4	15683	4481
111.4	247	2.2	12.75	S082	TS100LB4	15715	4490
109.6	253	2.6	8.85	S102	TH132S6	19557	5588
109.6	253	2.6	8.85	S102	TP132S6	19557	5588
108.6	253	1.2	13.36	S062	TP112MS4	6960	2784
108.5	256	2.5	8.85	S102	TS132SA6	19620	5606
107.1	257	1.2	13.36	S062	TH100LB4	6977	2791
106.3	259	1.2	13.36	S062	TS100LB4	6985	2794
106.3	250	Ex	27.29	S082	TH100L2	15963	4561
106.3	250	Ex	27.29	S082	TP100L2	15963	4561
105.2	252	Ex	27.29	S082	TS100LA2	16012	4575
105.1	264	2.5	8.85	S102	TS112MB6	19812	5661
104.9	253	Ex	27.66	S062	TH100L2	7060	2824
104.9	253	Ex	27.66	S062	TP100L2	7060	2824
103.8	256	Ex	27.66	S062	TS100LA2	7073	2829
101.1	262	Ex	28.67	S082	TH100L2	16198	4628
101.1	262	Ex	28.67	S082	TP100L2	16198	4628
100.1	265	Ex	28.67	S082	TS100LA2	16248	4642
97.5	285	1.7	9.94	S082	TH132S6	16330	4666
97.5	285	1.7	9.94	S082	TP132S6	16330	4666
96.7	275	Ex	30.00	S062	TH100L2	7160	2864
96.7	275	Ex	30.00	S062	TP100L2	7160	2864
96.5	288	1.6	9.94	S082	TS132SA6	16379	4680
95.7	277	Ex	30.00	S062	TS100LA2	7172	2869

5.1 S GEARED MOTORS (50Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
93.5	297	1.6	9.94	S082	TS112MB6	16531	4723
91.3	291	Ex	31.78	S082	TH100L2	16693	4770
91.3	291	Ex	31.78	S082	TP100L2	16693	4770
91.0	302	1.1	15.94	S062	TP112MS4	7164	2866
90.3	294	Ex	31.78	S082	TS100LA2	16744	4784
89.7	307	1.1	15.94	S062	TH100LB4	7179	2872
89.1	309	1.0	15.94	S062	TS100LB4	7186	2875
89.1	312	2.2	10.88	S102	TH132S6	20837	5954
89.1	312	2.2	10.88	S102	TP132S6	20837	5954
88.2	315	2.2	10.88	S102	TS132SA6	20903	5972
85.4	325	2.1	10.88	S102	TS112MB6	21106	6030
84.2	326	2.9	17.21	S102	TP112MS4	21205	6059
83.8	328	1.7	17.29	S082	TP112MS4	17072	4878
83.6	332	1.5	11.61	S082	TH132S6	17077	4879
83.6	332	1.5	11.61	S082	TP132S6	17077	4879
83.1	319	Ex	34.91	S082	TH100L2	17155	4902
83.1	319	Ex	34.91	S082	TP100L2	17155	4902
83.1	331	2.8	17.21	S102	TH100LB4	21294	6084
82.7	336	1.5	11.61	S082	TS132SA6	17128	4894
82.7	333	1.7	17.29	S082	TH100LB4	17141	4897
82.5	333	2.8	17.21	S102	TS100LB4	21340	6097
82.2	323	Ex	34.91	S082	TS100LA2	17207	4916
82.1	335	1.7	17.29	S082	TS100LB4	17175	4907
80.1	347	1.5	11.61	S082	TS112MB6	17284	4938
79.3	335	Ex	36.57	S062	TH100L2	7380	2952
79.3	335	Ex	36.57	S062	TP100L2	7380	2952
78.5	338	Ex	36.57	S062	TS100LA2	7390	2956
76.3	360	2.8	19.00	S102	TP112MS4	21848	6242
76.1	365	1.5	12.75	S082	TH132S6	17542	5012
76.1	365	1.5	12.75	S082	TP132S6	17542	5012
76.1	365	2.0	12.75	S102	TH132S6	21859	6245
76.1	365	2.0	12.75	S102	TP132S6	21859	6245
75.3	369	1.5	12.75	S082	TS132SA6	17593	5027
75.3	369	2.0	12.75	S102	TS132SA6	21927	6265
75.3	365	2.8	19.00	S102	TH100LB4	21939	6268
74.7	368	2.7	19.00	S102	TS100LB4	21986	6282
73.7	360	Ex	39.38	S062	TH100L2	7452	2981
73.7	360	Ex	39.38	S062	TP100L2	7452	2981
72.9	364	Ex	39.38	S062	TS100LA2	7461	2985
72.9	381	1.4	12.75	S082	TS112MB6	17752	5072
72.9	381	1.9	12.75	S102	TS112MB6	22000	6325

5.1 S GEARED MOTORS (50Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
72.4	367	Ex	40.05	S082	TH100L2	17845	5099
72.4	367	Ex	40.05	S082	TP100L2	17845	5099
72.0	382	1.5	20.14	S082	TP112MS4	17830	5094
71.7	370	Ex	40.05	S082	TS100LA2	17898	5114
71.0	387	1.4	20.14	S082	TH100LB4	17900	5114
70.5	390	1.4	20.14	S082	TS100LB4	17936	5125
69.3	401	2.2	13.99	S102	TH132S6	22000	6422
69.3	401	2.2	13.99	S102	TP132S6	22000	6422
68.6	405	2.1	13.99	S102	TS132SA6	22000	6442
67.4	394	Ex	43.05	S082	TH100L2	18000	5204
67.4	394	Ex	43.05	S082	TP100L2	18000	5204
66.7	398	Ex	43.05	S082	TS100LA2	18000	5220
66.5	399	Ex	43.64	S062	TH100L2	7540	3016
66.5	399	Ex	43.64	S062	TP100L2	7540	3016
66.5	418	2.1	13.99	S102	TS112MB6	22000	6503
65.8	404	Ex	43.64	S062	TS100LA2	7549	3019
65.5	420	1.4	22.13	S082	TP112MS4	18000	5231
65.5	420	2.4	22.13	S102	TP112MS4	22000	6534
64.6	426	1.4	22.13	S082	TH100LB4	18000	5251
64.6	426	2.4	22.13	S102	TH100LB4	22000	6561
64.2	429	1.3	22.13	S082	TS100LB4	18000	5261
64.2	429	2.4	22.13	S102	TS100LB4	22000	6575
60.4	455	1.3	24.00	S082	TP112MS4	18000	5351
59.7	460	2.3	24.28	S102	TP112MS4	22000	6716
59.6	462	1.2	24.00	S082	TH100LB4	18000	5371
59.2	465	1.2	24.00	S082	TS100LB4	18000	5381
58.9	467	2.3	24.28	S102	TH100LB4	22000	6744
58.5	470	2.3	24.28	S102	TS100LB4	22000	6758
57.7	460	Ex	50.25	S082	TH100L2	18000	5434
57.7	460	Ex	50.25	S082	TP100L2	18000	5434
57.1	465	Ex	50.25	S082	TS100LA2	18000	5450
56.4	493	1.9	17.21	S102	TH132S6	22000	6829
56.4	493	1.9	17.21	S102	TP132S6	22000	6829
56.1	495	1.1	17.29	S082	TH132S6	18000	5456
56.1	495	1.1	17.29	S082	TP132S6	18000	5456
55.8	498	1.9	17.21	S102	TS132SA6	22000	6850
55.5	500	1.1	17.29	S082	TS132SA6	18000	5472
55.1	499	2.2	26.33	S102	TP112MS4	22000	6879
54.3	506	2.1	26.33	S102	TH100LB4	22000	6907
54.0	514	1.8	17.21	S102	TS112MB6	22000	6914
53.9	510	2.1	26.33	S102	TS100LB4	22000	6922

5.1 S GEARED MOTORS (50Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
53.8	517	1.1	17.29	S082	TS112MB6	18000	5519
53.4	497	Ex	54.27	S082	TH100L2	18000	5550
53.4	497	Ex	54.27	S082	TP100L2	18000	5550
53.1	518	1.3	27.29	S082	TP112MS4	18000	5542
52.9	502	Ex	54.27	S082	TS100LA2	18000	5566
52.4	525	1.2	27.29	S082	TH100LB4	18000	5563
52.0	529	1.2	27.29	S082	TS100LB4	18000	5573
51.1	544	1.9	19.00	S102	TH132S6	22000	7029
51.1	544	1.9	19.00	S102	TP132S6	22000	7029
50.6	544	1.2	28.67	S082	TP112MS4	18000	5617
50.5	550	1.8	19.00	S102	TS132SA6	22000	7051
49.9	551	1.2	28.67	S082	TH100LB4	18000	5638
49.5	555	1.2	28.67	S082	TS100LB4	18000	5648
48.9	568	1.8	19.00	S102	TS112MB6	22000	7116
48.5	567	1.9	29.87	S102	TP112MS4	22000	7137
47.9	574	1.9	29.87	S102	TH100LB4	22000	7166
47.5	579	1.9	29.87	S102	TS100LB4	22000	7181
46.8	567	Ex	61.98	S082	TH100L2	18000	5754
46.8	567	Ex	61.98	S082	TP100L2	18000	5754
46.3	573	Ex	61.98	S082	TS100LA2	18000	5770
45.6	603	1.4	31.78	S082	TP112MS4	18000	5773
45.0	611	1.4	31.78	S082	TH100LB4	18000	5794
44.8	615	2.1	32.40	S102	TP112MS4	22000	7307
44.7	615	1.4	31.78	S082	TS100LB4	18000	5805
44.1	623	2.1	32.40	S102	TH100LB4	22000	7337
43.8	634	1.6	22.13	S102	TH132S6	22000	7346
43.8	634	1.6	22.13	S102	TP132S6	22000	7346
43.8	628	2.0	32.40	S102	TS100LB4	22000	7352
43.4	640	1.6	22.13	S102	TS132SA6	22000	7368
42.9	605	Ex	67.52	S083	TH100L2	18000	5899
42.9	605	Ex	67.52	S083	TP100L2	18000	5899
42.5	611	Ex	67.52	S083	TS100LA2	18000	5915
42.0	661	1.5	22.13	S102	TS112MB6	22000	7435
41.5	662	1.3	34.91	S082	TP112MS4	18000	5917
41.5	662	1.8	34.91	S102	TP112MS4	22000	7466
41.0	671	1.3	34.91	S082	TH100LB4	18000	5938
41.0	671	1.8	34.91	S102	TH100LB4	22000	7495
40.7	676	1.3	34.91	S082	TS100LB4	18000	5949
40.7	676	1.8	34.91	S102	TS100LB4	22000	7510
40.0	695	1.6	24.28	S102	TH132S6	22000	7543
40.0	695	1.6	24.28	S102	TP132S6	22000	7543

5.1 S GEARED MOTORS (50Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
39.5	702	1.5	24.28	S102	TS132SA6	22000	7566
39.1	665	Ex	74.18	S083	TH100L2	18000	6046
39.1	665	Ex	74.18	S083	TP100L2	18000	6046
38.7	672	Ex	74.18	S083	TS100LA2	18000	6063
38.3	725	1.5	24.28	S102	TS112MB6	22000	7634
37.9	727	1.8	38.30	S102	TP112MS4	22000	7665
37.3	737	1.7	38.30	S102	TH100LB4	22000	7695
37.1	742	1.7	38.30	S102	TS100LB4	22000	7711
36.8	754	1.4	26.33	S102	TH132S6	22000	7719
36.8	754	1.4	26.33	S102	TP132S6	22000	7719
36.5	762	1.4	26.33	S102	TS132SA6	22000	7742
36.2	760	1.1	40.05	S082	TP112MS4	18000	6129
35.7	770	1.1	40.05	S082	TH100LB4	18000	6150
35.5	776	1.1	40.05	S082	TS100LB4	18000	6161
35.3	787	1.4	26.33	S102	TS112MB6	22000	7811
35.3	779	3.3	41.07	S122	TP112MS4	30000	11167
34.8	790	3.2	41.07	S122	TH100LB4	30000	11200
34.6	795	3.2	41.07	S122	TS100LB4	30000	11200
33.9	819	2.6	28.60	S122	TH132S6	30000	11200
33.9	819	2.6	28.60	S122	TP132S6	30000	11200
33.7	817	1.0	43.05	S082	TP112MS4	18000	6240
33.6	828	2.6	28.60	S122	TS132SA6	30000	11200
33.3	827	3.1	43.60	S122	TP112MS4	30000	11200
33.2	828	1.0	43.05	S082	TH100LB4	18000	6262
33.0	834	1.0	43.05	S082	TS100LB4	18000	6273
33.0	835	1.3	44.00	S102	TP112MS4	22000	7969
32.8	839	3.1	43.60	S122	TH100LB4	30000	11200
32.6	844	3.0	43.60	S122	TS100LB4	30000	11200
32.5	846	1.3	44.00	S102	TH100LB4	22000	8000
32.5	855	1.3	29.87	S102	TH132S6	22000	7995
32.5	855	1.3	29.87	S102	TP132S6	22000	7995
32.5	854	2.5	28.60	S122	TS112MB6	30000	11200
32.3	852	1.3	44.00	S102	TS100LB4	22000	8016
32.1	864	1.2	29.87	S102	TS132SA6	22000	8018
31.8	874	2.9	30.51	S122	TH132S6	30000	11200
31.8	874	2.9	30.51	S122	TP132S6	30000	11200
31.5	883	2.9	30.51	S122	TS132SA6	30000	11200
31.1	892	1.2	29.87	S102	TS112MB6	22000	8089
30.8	894	1.5	47.13	S102	TP112MS4	22000	8122
30.5	911	2.8	30.51	S122	TS112MB6	30000	11200
30.3	906	1.5	47.13	S102	TH100LB4	22000	8153

5.1 S GEARED MOTORS (50Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
30.1	913	1.5	47.13	S102	TS100LB4	22000	8169
29.9	928	1.4	32.40	S102	TH132S6	22000	8176
29.9	928	1.4	32.40	S102	TP132S6	22000	8176
29.6	938	1.4	32.40	S102	TS132SA6	22000	8200
29.6	930	2.2	49.04	S122	TP112MS4	30000	11200
29.2	943	2.2	49.04	S122	TH100LB4	30000	11200
29.0	950	2.2	49.04	S122	TS100LB4	30000	11200
29.0	958	2.7	33.44	S122	TH132S6	30000	11200
29.0	958	2.7	33.44	S122	TP132S6	30000	11200
28.7	968	1.3	32.40	S102	TS112MB6	22000	8271
28.7	968	2.6	33.44	S122	TS132SA6	30000	11200
27.8	1000	1.2	34.91	S102	TH132S6	22000	8344
27.8	1000	1.2	34.91	S102	TP132S6	22000	8344
27.8	999	2.6	33.44	S122	TS112MB6	30000	11200
27.6	1008	2.5	35.20	S122	TP132S6	30000	11200
27.6	1008	2.5	35.20	S122	TH132S6	30000	11200
27.5	1010	1.2	34.91	S102	TS132SA6	22000	8367
27.3	1019	2.5	35.20	S122	TS132SA6	30000	11200
27.0	1020	2.2	53.75	S122	TP112MS4	30000	11200
26.6	1043	1.1	34.91	S102	TS112MB6	22000	8439
26.6	1034	2.1	53.75	S122	TH100LB4	30000	11200
26.4	1041	2.1	53.75	S122	TS100LB4	30000	11200
26.4	1051	2.4	35.20	S122	TS112MB6	30000	11200
26.3	1046	1.1	55.14	S102	TP112MS4	22000	8476
25.9	1060	1.0	55.14	S102	TH100LB4	22000	8508
25.8	1068	1.0	55.14	S102	TS100LB4	22000	8524
25.3	1097	1.2	38.30	S102	TH132S6	22000	8554
25.3	1097	1.2	38.30	S102	TP132S6	22000	8554
25.1	1108	1.2	38.30	S102	TS132SA6	22000	8578
24.4	1127	1.2	59.40	S102	TP112MS4	22000	8647
24.3	1144	1.1	38.30	S102	TS112MB6	22000	8651
24.1	1142	1.2	59.40	S102	TH100LB4	22000	8679
23.9	1151	1.2	59.40	S102	TS100LB4	22000	8695
23.6	1176	2.2	41.07	S122	TH132S6	30000	11200
23.6	1176	2.2	41.07	S122	TP132S6	30000	11200
23.4	1188	2.2	41.07	S122	TS132SA6	30000	11200
22.6	1227	2.1	41.07	S122	TS112MB6	30000	11200
22.2	1249	2.1	43.60	S122	TH132S6	30000	11200
22.2	1249	2.1	43.60	S122	TP132S6	30000	11200
22.0	1262	2.0	43.60	S122	TS132SA6	30000	11200
22.0	1252	2.0	66.00	S122	TP112MS4	30000	11200

5.1 S GEARED MOTORS (50Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
21.7	1269	2.0	66.00	S122	TH100LB4	30000	11200
21.5	1278	2.0	66.00	S122	TS100LB4	30000	11200
21.4	1287	1.1	67.84	S102	TP112MS4	22000	8953
21.3	1302	2.0	43.60	S122	TS112MB6	30000	11200
21.1	1305	1.0	67.84	S102	TH100LB4	22000	8985
20.9	1314	1.0	67.84	S102	TS100LB4	22000	9000
20.6	1350	1.0	47.13	S102	TH132S6	22000	9000
20.6	1350	1.0	47.13	S102	TP132S6	22000	9000
20.4	1364	1.0	47.13	S102	TS132SA6	22000	9000
20.4	1320	1.7	71.07	S123	TP112MS4	30000	11200
20.1	1338	1.7	71.07	S123	TH100LB4	30000	11200
20.0	1348	1.7	71.07	S123	TS100LB4	30000	11200
19.8	1404	1.5	49.04	S122	TH132S6	30000	11200
19.8	1404	1.5	49.04	S122	TP132S6	30000	11200
19.6	1419	1.4	49.04	S122	TS132SA6	30000	11200
19.0	1465	1.4	49.04	S122	TS112MB6	30000	11200
18.0	1539	1.4	53.75	S122	TH132S6	30000	11200
18.0	1539	1.4	53.75	S122	TP132S6	30000	11200
17.9	1555	1.4	53.75	S122	TS132SA6	30000	11200
17.3	1606	1.4	53.75	S122	TS112MB6	30000	11200
16.6	1621	1.6	87.27	S123	TP112MS4	30000	11200
16.4	1643	1.6	87.27	S123	TH100LB4	30000	11200
16.3	1655	1.5	87.27	S123	TS100LB4	30000	11200
14.7	1890	1.4	66.00	S122	TH132S6	30000	11200
14.7	1890	1.4	66.00	S122	TP132S6	30000	11200
14.5	1910	1.3	66.00	S122	TS132SA6	30000	11200
14.1	1971	1.3	66.00	S122	TS112MB6	30000	11200
13.6	1993	1.2	71.07	S123	TH132S6	30000	11200
13.6	1993	1.2	71.07	S123	TP132S6	30000	11200
13.5	2014	1.1	71.07	S123	TS132SA6	30000	11200
13.1	2079	1.1	71.07	S123	TS112MB6	30000	11200
12.9	2090	1.2	112.52	S123	TP112MS4	30000	11200
12.7	2119	1.2	112.52	S123	TH100LB4	30000	11200
12.6	2134	1.2	112.52	S123	TS100LB4	30000	11200
11.8	2291	1.1	123.33	S123	TP112MS4	30000	11200
11.6	2323	1.1	123.33	S123	TH100LB4	30000	11200
11.5	2339	1.1	123.33	S123	TS100LB4	30000	11200
11.1	2447	1.0	87.27	S123	TH132S6	30000	11200
11.1	2447	1.0	87.27	S123	TP132S6	30000	11200
11.0	2473	1.0	87.27	S123	TS132SA6	30000	11200
10.8	2485	1.0	133.78	S123	TP112MS4	30000	11200

5.1 S GEARED MOTORS (50Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
10.7	2552	1.0	87.27	S123	TS112MB6	30000	11200
10.7	2519	1.0	133.78	S123	TH100LB4	30000	11200
10.6	2537	1.0	133.78	S123	TS100LB4	30000	11200

4.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
339.7	104	Ex	8.63	S052	TH112M2	2814	2814
339.7	104	Ex	8.63	S052	TP112M2	2814	2814
336.2	105	Ex	8.63	S052	TS112MA2	2820	2820
332.8	106	Ex	8.63	S052	TS100LB2	2825	2825
197.6	186	2.1	7.34	S082	TH112M4	13068	3734
197.6	186	2.1	7.34	S082	TP112M4	13068	3734
196.2	187	2.1	7.34	S082	TS112MA4	13095	3741
181.3	202	1.2	8.00	S062	TH112M4	5950	2380
181.3	202	1.2	8.00	S062	TP112M4	5950	2380
180.0	204	1.2	8.00	S062	TS112MA4	5958	2383
179.8	204	2.1	8.06	S082	TH112M4	13439	3840
179.8	204	2.1	8.06	S082	TP112M4	13439	3840
178.6	205	2.1	8.06	S082	TS112MA4	13467	3848
169.4	209	Ex	17.29	S082	TH112M2	13704	3915
169.4	209	Ex	17.29	S082	TP112M2	13704	3915
167.7	211	Ex	17.29	S082	TS112MA2	13746	3927
165.9	213	Ex	17.29	S082	TS100LB2	13788	3939
162.8	225	2.9	8.85	S102	TS112MA4	17159	4903
151.9	241	1.1	9.55	S062	TH112M4	6137	2455
151.9	241	1.1	9.55	S062	TP112M4	6137	2455
150.9	243	1.1	9.55	S062	TS112MA4	6144	2458
149.9	236	Ex	19.55	S062	TH112M2	6205	2482
149.9	236	Ex	19.55	S062	TP112M2	6205	2482
148.3	239	Ex	19.55	S062	TS112MA2	6215	2486
146.8	241	Ex	19.55	S062	TS100LB2	6226	2490
145.8	251	1.9	9.94	S082	TH112M4	14294	4084
145.8	251	1.9	9.94	S082	TP112M4	14294	4084
145.5	243	Ex	20.14	S082	TH112M2	14332	4095
145.5	243	Ex	20.14	S082	TP112M2	14332	4095
144.8	253	1.9	9.94	S082	TS112MA4	14323	4092
144.0	246	Ex	20.14	S082	TS112MA2	14376	4107
142.5	248	Ex	20.14	S082	TS100LB2	14419	4120
133.2	275	2.5	10.88	S102	TH112M4	18243	5212
133.2	275	2.5	10.88	S102	TP112M4	18243	5212

5.1 S GEARED MOTORS (50Hz)

4.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
132.4	267	Ex	22.13	S082	TH112M2	14731	4209
132.4	267	Ex	22.13	S082	TP112M2	14731	4209
132.3	277	2.5	10.88	S102	TS112MA4	18281	5223
132.2	280	1.4	7.34	S082	TH132MA6	14698	4199
132.2	280	1.4	7.34	S082	TP132MA6	14698	4199
131.1	270	Ex	22.13	S082	TS112MA2	14775	4221
130.8	283	1.4	7.34	S082	TS132MA6	14742	4212
129.7	273	Ex	22.13	S082	TS100LB2	14819	4234
126.4	280	Ex	23.18	S062	TH112M2	6372	2549
126.4	280	Ex	23.18	S062	TP112M2	6372	2549
125.1	283	Ex	23.18	S062	TS112MA2	6381	2552
124.9	294	1.7	11.61	S082	TH112M4	14947	4271
124.9	294	1.7	11.61	S082	TP112M4	14947	4271
124.1	296	1.7	11.61	S082	TS112MA4	14977	4279
123.8	286	Ex	23.18	S062	TS100LB2	6391	2556
122.1	290	Ex	24.00	S082	TH112M2	15081	4309
122.1	290	Ex	24.00	S082	TP112M2	15081	4309
120.8	293	Ex	24.00	S082	TS112MA2	15125	4322
120.3	308	1.4	8.06	S082	TH132MA6	15099	4314
120.3	308	1.4	8.06	S082	TP132MA6	15099	4314
120.3	308	2.0	8.06	S102	TH132MA6	18806	5373
120.3	308	2.0	8.06	S102	TP132MA6	18806	5373
119.6	296	Ex	24.00	S082	TS100LB2	15171	4334
119.1	311	1.4	8.06	S082	TS132MA6	15144	4327
119.1	311	2.0	8.06	S102	TS132MA6	18865	5390
116.5	304	Ex	25.14	S062	TH112M2	6443	2577
116.5	304	Ex	25.14	S062	TP112M2	6443	2577
115.3	307	Ex	25.14	S062	TS112MA2	6452	2581
114.1	310	Ex	25.14	S062	TS100LB2	6460	2584
113.7	322	1.7	12.75	S082	TH112M4	15353	4387
113.7	322	1.7	12.75	S082	TP112M4	15353	4387
113.7	322	2.2	12.75	S102	TH112M4	19136	5467
113.7	322	2.2	12.75	S102	TP112M4	19136	5467
112.9	325	1.7	12.75	S082	TS112MA4	15384	4395
112.9	325	2.2	12.75	S102	TS112MA4	19176	5479
109.6	338	1.9	8.85	S102	TH132MA6	19338	5525
109.6	338	1.9	8.85	S102	TP132MA6	19338	5525
108.5	341	1.9	8.85	S102	TS132MA6	19398	5542
107.4	330	Ex	27.29	S082	TH112M2	15644	4470
107.4	330	Ex	27.29	S082	TP112M2	15644	4470
106.3	333	Ex	27.29	S082	TS112MA2	15690	4483

5.1 S GEARED MOTORS (50Hz)

4.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
105.2	336	Ex	27.29	S082	TS100LB2	15736	4496
103.6	354	2.4	13.99	S102	TH112M4	19676	5622
103.6	354	2.4	13.99	S102	TP112M4	19676	5622
102.9	356	2.4	13.99	S102	TS112MA4	19716	5633
102.2	346	Ex	28.67	S082	TH112M2	15865	4533
102.2	346	Ex	28.67	S082	TP112M2	15865	4533
101.1	350	Ex	28.67	S082	TS112MA2	15911	4546
100.1	354	Ex	28.67	S082	TS100LB2	15958	4559
97.5	380	1.2	9.94	S082	TH132MA6	16018	4577
97.5	380	1.2	9.94	S082	TP132MA6	16018	4577
96.5	384	1.2	9.94	S082	TS132MA6	16064	4590
92.2	384	Ex	31.78	S082	TH112M2	16328	4665
92.2	384	Ex	31.78	S082	TP112M2	16328	4665
91.3	388	Ex	31.78	S082	TS112MA2	16375	4679
90.3	392	Ex	31.78	S082	TS100LB2	16422	4692
89.1	416	1.6	10.88	S102	TH132MA6	20568	5876
89.1	416	1.6	10.88	S102	TP132MA6	20568	5876
88.2	420	1.6	10.88	S102	TS132MA6	20631	5894
84.2	435	2.2	17.21	S102	TH112M4	20922	5978
84.2	435	2.2	17.21	S102	TP112M4	20922	5978
83.9	422	Ex	34.91	S082	TH112M2	16758	4788
83.9	422	Ex	34.91	S082	TP112M2	16758	4788
83.8	437	1.3	17.29	S082	TH112M4	16713	4775
83.8	437	1.3	17.29	S082	TP112M4	16713	4775
83.7	438	2.1	17.21	S102	TS112MA4	20965	5990
83.6	443	1.1	11.61	S082	TH132MA6	16713	4775
83.6	443	1.1	11.61	S082	TP132MA6	16713	4775
83.3	440	1.3	17.29	S082	TS112MA4	16744	4784
83.1	426	Ex	34.91	S082	TS112MA2	16806	4802
82.7	448	1.1	11.61	S082	TS132MA6	16760	4789
82.2	430	Ex	34.91	S082	TS100LB2	16854	4815
76.3	481	2.1	19.00	S102	TH112M4	21536	6153
76.3	481	2.1	19.00	S102	TP112M4	21536	6153
76.1	487	1.1	12.75	S082	TH132MA6	17142	4898
76.1	487	1.1	12.75	S082	TP132MA6	17142	4898
76.1	487	1.5	12.75	S102	TH132MA6	21543	6155
76.1	487	1.5	12.75	S102	TP132MA6	21543	6155
75.8	484	2.1	19.00	S102	TS112MA4	21579	6166
75.3	492	1.1	12.75	S082	TS132MA6	17189	4911
75.3	492	1.5	12.75	S102	TS132MA6	21608	6174
73.2	484	Ex	40.05	S082	TH112M2	17396	4970

5.1 S GEARED MOTORS (50Hz)

4.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
73.2	484	Ex	40.05	S082	TP112M2	17396	4970
72.4	489	Ex	40.05	S082	TS112MA2	17444	4984
72.0	509	1.1	20.14	S082	TH112M4	17412	4975
72.0	509	1.1	20.14	S082	TP112M4	17412	4975
71.7	494	Ex	40.05	S082	TS100LB2	17493	4998
71.5	513	1.1	20.14	S082	TS112MA4	17444	4984
69.3	534	1.6	13.99	S102	TH132MA6	22000	6323
69.3	534	1.6	13.99	S102	TP132MA6	22000	6323
68.6	540	1.6	13.99	S102	TS132MA6	22000	6342
68.1	520	Ex	43.05	S082	TH112M2	17735	5067
68.1	520	Ex	43.05	S082	TP112M2	17735	5067
67.4	525	Ex	43.05	S082	TS112MA2	17784	5081
66.7	531	Ex	43.05	S082	TS100LB2	17833	5095
65.5	560	1.0	22.13	S082	TH112M4	17848	5100
65.5	560	1.0	22.13	S082	TP112M4	17848	5100
65.5	560	1.8	22.13	S102	TH112M4	22000	6430
65.5	560	1.8	22.13	S102	TP112M4	22000	6430
65.1	563	1.0	22.13	S082	TS112MA4	17881	5109
65.1	563	1.8	22.13	S102	TS112MA4	22000	6443
59.7	614	1.8	24.28	S102	TH112M4	22000	6602
59.7	614	1.8	24.28	S102	TP112M4	22000	6602
59.3	618	1.7	24.28	S102	TS112MA4	22000	6615
58.3	607	Ex	50.25	S082	TH112M2	18000	5276
58.3	607	Ex	50.25	S082	TP112M2	18000	5276
57.7	613	Ex	50.25	S082	TS112MA2	18000	5290
57.1	620	Ex	50.25	S082	TS100LB2	18000	5304
56.4	657	1.4	17.21	S102	TH132MA6	22000	6707
56.4	657	1.4	17.21	S102	TP132MA6	22000	6707
55.8	664	1.4	17.21	S102	TS132MA6	22000	6727
55.1	666	1.6	26.33	S102	TH112M4	22000	6756
55.1	666	1.6	26.33	S102	TP112M4	22000	6756
54.7	671	1.6	26.33	S102	TS112MA4	22000	6769
54.0	655	Ex	54.27	S082	TH112M2	18000	5381
54.0	655	Ex	54.27	S082	TP112M2	18000	5381
53.4	662	Ex	54.27	S082	TS112MA2	18000	5395
52.9	669	Ex	54.27	S082	TS100LB2	18000	5409
51.1	726	1.4	19.00	S102	TH132MA6	22000	6895
51.1	726	1.4	19.00	S102	TP132MA6	22000	6895
50.5	733	1.4	19.00	S102	TS132MA6	22000	6915
48.5	755	1.4	29.87	S102	TH112M4	22000	6997
48.5	755	1.4	29.87	S102	TP112M4	22000	6997

5.1 S GEARED MOTORS (50Hz)

4.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
48.2	761	1.4	29.87	S102	TS112MA4	22000	7011
47.5	772	3.3	30.51	S122	TH112M4	30000	10053
47.5	772	3.3	30.51	S122	TP112M4	30000	10053
47.2	777	3.3	30.51	S122	TS112MA4	30000	10072
45.6	804	1.1	31.78	S082	TH112M4	18000	5584
45.6	804	1.1	31.78	S082	TP112M4	18000	5584
45.6	811	2.5	21.25	S122	TH132MA6	30000	10156
45.6	811	2.5	21.25	S122	TP132MA6	30000	10156
45.3	809	1.1	31.78	S082	TS112MA4	18000	5593
45.2	820	2.5	21.25	S122	TS132MA6	30000	10184
44.8	819	1.6	32.40	S102	TH112M4	22000	7155
44.8	819	1.6	32.40	S102	TP112M4	22000	7155
44.4	825	1.6	32.40	S102	TS112MA4	22000	7169
43.8	845	1.2	22.13	S102	TH132MA6	22000	7190
43.8	845	1.2	22.13	S102	TP132MA6	22000	7190
43.4	854	1.2	22.13	S102	TS132MA6	22000	7210
43.4	846	3.0	33.44	S122	TH112M4	30000	10308
43.4	846	3.0	33.44	S122	TP112M4	30000	10308
43.1	852	3.0	33.44	S122	TS112MA4	30000	10327
41.6	889	2.4	23.29	S122	TH132MA6	30000	10410
41.6	889	2.4	23.29	S122	TP132MA6	30000	10410
41.5	883	1.4	34.91	S102	TH112M4	22000	7302
41.5	883	1.4	34.91	S102	TP112M4	22000	7302
41.3	889	1.3	34.91	S102	TS112MA4	22000	7316
41.2	899	2.3	23.29	S122	TS132MA6	30000	10439
41.2	890	2.9	35.20	S122	TH112M4	30000	10451
41.2	890	2.9	35.20	S122	TP112M4	30000	10451
40.9	896	2.9	35.20	S122	TS112MA4	30000	10470
40.0	927	1.2	24.28	S102	TH132MA6	22000	7372
40.0	927	1.2	24.28	S102	TP132MA6	22000	7372
39.5	937	1.2	24.28	S102	TS132MA6	22000	7392
37.9	969	1.3	38.30	S102	TH112M4	22000	7486
37.9	969	1.3	38.30	S102	TP112M4	22000	7486
37.6	975	1.3	38.30	S102	TS112MA4	22000	7499
37.1	999	2.2	26.15	S122	TH132MA6	30000	10736
37.1	999	2.2	26.15	S122	TP132MA6	30000	10736
36.8	1006	1.1	26.33	S102	TH132MA6	22000	7533
36.8	1006	1.1	26.33	S102	TP132MA6	22000	7533
36.7	1009	2.1	26.15	S122	TS132MA6	30000	10765
36.5	1016	1.1	26.33	S102	TS132MA6	22000	7553
35.3	1039	2.5	41.07	S122	TH112M4	30000	10886

5.1 S GEARED MOTORS (50Hz)

4.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
35.3	1039	2.5	41.07	S122	TP112M4	30000	10886
35.1	1046	2.4	41.07	S122	TS112MA4	30000	10905
33.9	1092	2.0	28.60	S122	TH132MA6	30000	10988
33.9	1092	2.0	28.60	S122	TP132MA6	30000	10988
33.6	1103	2.0	28.60	S122	TS132MA6	30000	11018
33.3	1103	2.3	43.60	S122	TH112M4	30000	11056
33.3	1103	2.3	43.60	S122	TP112M4	30000	11056
33.0	1110	2.3	43.60	S122	TS112MA4	30000	11075
31.8	1165	2.2	30.51	S122	TH132MA6	30000	11172
31.8	1165	2.2	30.51	S122	TP132MA6	30000	11172
31.5	1177	2.2	30.51	S122	TS132MA6	30000	11200
30.8	1192	1.1	47.13	S102	TH112M4	22000	7901
30.8	1192	1.1	47.13	S102	TP112M4	22000	7901
30.6	1200	1.1	47.13	S102	TS112MA4	22000	7915
29.9	1237	1.0	32.40	S102	TH132MA6	22000	7947
29.9	1237	1.0	32.40	S102	TP132MA6	22000	7947
29.6	1250	1.0	32.40	S102	TS132MA6	22000	7968
29.6	1240	1.7	49.04	S122	TH112M4	30000	11200
29.6	1240	1.7	49.04	S122	TP112M4	30000	11200
29.4	1249	1.6	49.04	S122	TS112MA4	30000	11200
29.0	1277	2.0	33.44	S122	TH132MA6	30000	11200
29.0	1277	2.0	33.44	S122	TP132MA6	30000	11200
28.7	1290	2.0	33.44	S122	TS132MA6	30000	11200
27.6	1344	1.9	35.20	S122	TH132MA6	30000	11200
27.6	1344	1.9	35.20	S122	TP132MA6	30000	11200
27.3	1358	1.9	35.20	S122	TS132MA6	30000	11200
27.0	1359	1.6	53.75	S122	TH112M4	30000	11200
27.0	1359	1.6	53.75	S122	TP112M4	30000	11200
26.8	1369	1.6	53.75	S122	TS112MA4	30000	11200
23.6	1568	1.6	41.07	S122	TH132MA6	30000	11200
23.6	1568	1.6	41.07	S122	TP132MA6	30000	11200
23.4	1584	1.6	41.07	S122	TS132MA6	30000	11200
22.2	1665	1.5	43.60	S122	TH132MA6	30000	11200
22.2	1665	1.5	43.60	S122	TP132MA6	30000	11200
22.0	1682	1.5	43.60	S122	TS132MA6	30000	11200
22.0	1669	1.5	66.00	S122	TH112M4	30000	11200
22.0	1669	1.5	66.00	S122	TP112M4	30000	11200
21.8	1681	1.5	66.00	S122	TS112MA4	30000	11200
20.4	1760	1.3	71.07	S123	TH112M4	30000	11200
20.4	1760	1.3	71.07	S123	TP112M4	30000	11200
20.3	1772	1.3	71.07	S123	TS112MA4	30000	11200

5.1 S GEARED MOTORS (50Hz)

4.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
19.8	1872	1.1	49.04	S122	TH132MA6	30000	11200
19.8	1872	1.1	49.04	S122	TP132MA6	30000	11200
19.6	1892	1.1	49.04	S122	TS132MA6	30000	11200
18.0	2052	1.1	53.75	S122	TH132MA6	30000	11200
18.0	2052	1.1	53.75	S122	TP132MA6	30000	11200
17.9	2074	1.1	53.75	S122	TS132MA6	30000	11200
16.6	2161	1.2	87.27	S123	TH112M4	30000	11200
16.6	2161	1.2	87.27	S123	TP112M4	30000	11200
16.5	2176	1.2	87.27	S123	TS112MA4	30000	11200
14.7	2520	1.0	66.00	S122	TH132MA6	30000	11200
14.7	2520	1.0	66.00	S122	TP132MA6	30000	11200
14.5	2546	1.0	66.00	S122	TS132MA6	30000	11200

4.80 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
194.9	226	1.8	7.34	S082	TS112MB4	12999	3714
177.4	248	1.7	8.06	S082	TS112MB4	13359	3817
177.4	248	2.5	8.06	S102	TS112MB4	16604	4744
161.6	272	2.4	8.85	S102	TS112MB4	17078	4879
143.8	306	1.5	9.94	S082	TS112MB4	14184	4053
131.4	335	2.0	10.88	S102	TS112MB4	18175	5193
123.2	357	1.4	11.61	S082	TS112MB4	14811	4232
112.2	392	1.4	12.75	S082	TS112MB4	15199	4343
112.2	392	1.8	12.75	S102	TS112MB4	19046	5442
102.2	431	2.0	13.99	S102	TS112MB4	19571	5592
83.1	530	1.8	17.21	S102	TS112MB4	20779	5937
82.7	532	1.0	17.29	S082	TS112MB4	16485	4710
75.3	585	1.7	19.00	S102	TS112MB4	21370	6106
64.6	681	1.5	22.13	S102	TS112MB4	22000	6371
58.9	747	1.4	24.28	S102	TS112MB4	22000	6536
54.7	805	2.7	26.15	S122	TS112MB4	30000	9525
54.3	810	1.3	26.33	S102	TS112MB4	22000	6682
50.0	880	2.5	28.60	S122	TS112MB4	30000	9755
47.9	919	1.2	29.87	S102	TS112MB4	22000	6911
46.9	939	2.7	30.51	S122	TS112MB4	30000	9922
44.1	997	1.3	32.40	S102	TS112MB4	22000	7059
42.8	1029	2.5	33.44	S122	TS112MB4	30000	10161
41.0	1074	1.1	34.91	S102	TS112MB4	22000	7197
40.6	1083	2.4	35.20	S122	TS112MB4	30000	10294
37.3	1179	1.1	38.30	S102	TS112MB4	22000	7368

5.1 S GEARED MOTORS (50Hz)

4.80 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
34.8	1264	2.0	41.07	S122	TS112MB4	30000	10697
32.8	1342	1.9	43.60	S122	TS112MB4	30000	10853
29.2	1509	1.4	49.04	S122	TS112MB4	30000	11159
26.6	1654	1.3	53.75	S122	TS112MB4	30000	11200
21.7	2031	1.3	66.00	S122	TS112MB4	30000	11200
20.1	2142	1.1	71.07	S123	TS112MB4	30000	11200

5.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
200.3	252	1.6	7.34	S082	TP132MS4	12789	3654
198.9	253	1.6	7.34	S082	TH132S4	12814	3661
197.6	255	1.6	7.34	S082	TS132S4	12840	3668
182.3	277	1.6	8.06	S082	TP132MS4	13137	3753
182.3	277	2.2	8.06	S102	TP132MS4	16374	4678
181.1	278	1.6	8.06	S082	TH132S4	13162	3761
181.1	278	2.2	8.06	S102	TH132S4	16408	4688
179.8	280	1.5	8.06	S082	TS132S4	13188	3768
179.8	280	2.2	8.06	S102	TS132S4	16442	4698
170.6	285	Ex	17.29	S082	TP132S2	13421	3834
170.0	286	Ex	17.29	S082	TH132SA2	13433	3838
168.3	289	Ex	17.29	S082	TS112MB2	13472	3849
168.3	289	Ex	17.29	S082	TS132SA2	13472	3849
166.2	303	2.1	8.85	S102	TP132MS4	16836	4810
165.0	306	2.1	8.85	S102	TH132S4	16870	4820
163.9	308	2.1	8.85	S102	TS132S4	16905	4830
147.8	341	1.4	9.94	S082	TP132MS4	13931	3980
146.8	343	1.4	9.94	S082	TH132S4	13958	3988
146.5	332	Ex	20.14	S082	TP132S2	14006	4002
146.0	333	Ex	20.14	S082	TH132SA2	14019	4006
145.8	346	1.4	9.94	S082	TS132S4	13984	3995
144.5	337	Ex	20.14	S082	TS112MB2	14059	4017
144.5	337	Ex	20.14	S082	TS132SA2	14059	4017
135.1	373	1.8	10.88	S102	TP132MS4	17902	5115
134.1	376	1.8	10.88	S102	TH132S4	17938	5125
133.3	365	Ex	22.13	S082	TP132S2	14375	4107
133.2	379	1.8	10.88	S102	TS132S4	17975	5136
132.9	366	Ex	22.13	S082	TH132SA2	14388	4111
132.2	385	1.0	7.34	S082	TH132MB6	14353	4101
132.2	385	1.0	7.34	S082	TP132MB6	14353	4101
131.5	370	Ex	22.13	S082	TS112MB2	14428	4122

5.1 S GEARED MOTORS (50Hz)

5.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
131.5	370	Ex	22.13	S082	TS132SA2	14428	4122
130.8	389	1.0	7.34	S082	TS132MB6	14393	4112
126.7	398	1.3	11.61	S082	TP132MS4	14532	4152
125.8	401	1.3	11.61	S082	TH132S4	14558	4160
124.9	404	1.3	11.61	S082	TS132S4	14585	4167
122.9	396	Ex	24.00	S082	TP132S2	14697	4199
122.5	397	Ex	24.00	S082	TH132SA2	14710	4203
121.3	401	Ex	24.00	S082	TS112MB2	14751	4215
121.3	401	Ex	24.00	S082	TS132SA2	14751	4215
120.3	423	1.0	8.06	S082	TH132MB6	14720	4206
120.3	423	1.0	8.06	S082	TP132MB6	14720	4206
120.3	423	1.4	8.06	S102	TH132MB6	18507	5288
120.3	423	1.4	8.06	S102	TP132MB6	18507	5288
119.1	428	1.0	8.06	S082	TS132MB6	14761	4217
119.1	428	1.4	8.06	S102	TS132MB6	18562	5304
115.3	437	1.2	12.75	S082	TP132MS4	14902	4258
115.3	437	1.6	12.75	S102	TP132MS4	18748	5357
114.5	440	1.2	12.75	S082	TH132S4	14929	4265
114.5	440	1.6	12.75	S102	TH132S4	18785	5367
113.7	443	1.2	12.75	S082	TS132S4	14956	4273
113.7	443	1.6	12.75	S102	TS132S4	18822	5378
109.6	464	1.4	8.85	S102	TH132MB6	19010	5431
109.6	464	1.4	8.85	S102	TP132MB6	19010	5431
108.5	469	1.4	8.85	S102	TS132MB6	19066	5447
108.1	450	Ex	27.29	S082	TP132S2	15211	4346
107.7	452	Ex	27.29	S082	TH132SA2	15224	4350
106.6	456	Ex	27.29	S082	TS112MB2	15266	4362
106.6	456	Ex	27.29	S082	TS132SA2	15266	4362
105.1	480	1.8	13.99	S102	TP132MS4	19256	5502
104.4	483	1.8	13.99	S102	TH132S4	19293	5512
103.6	486	1.8	13.99	S102	TS132S4	19331	5523
102.9	473	Ex	28.67	S082	TP132S2	15411	4403
102.5	475	Ex	28.67	S082	TH132SA2	15424	4407
101.5	479	Ex	28.67	S082	TS112MB2	15466	4419
101.5	479	Ex	28.67	S082	TS132SA2	15466	4419
92.8	524	Ex	31.78	S082	TP132S2	15828	4522
92.5	526	Ex	31.78	S082	TH132SA2	15841	4526
91.6	531	Ex	31.78	S082	TS112MB2	15883	4538
91.6	531	Ex	31.78	S082	TS132SA2	15883	4538
89.1	571	1.2	10.88	S102	TH132MB6	20163	5761
89.1	571	1.2	10.88	S102	TP132MB6	20163	5761

5.1 S GEARED MOTORS (50Hz)

5.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
88.2	577	1.2	10.88	S102	TS132MB6	20222	5778
85.4	590	1.6	17.21	S102	TP132MS4	20420	5834
84.8	594	1.6	17.21	S102	TH132S4	20459	5846
84.5	576	Ex	34.91	S082	TP132S2	16211	4632
84.2	578	Ex	34.91	S082	TH132SA2	16225	4636
84.2	599	1.6	17.21	S102	TS132S4	20499	5857
83.4	584	Ex	34.91	S082	TS112MB2	16267	4648
83.4	584	Ex	34.91	S082	TS132SA2	16267	4648
77.4	652	1.5	19.00	S102	TP132MS4	20989	5997
76.8	656	1.5	19.00	S102	TH132S4	21028	6008
76.3	661	1.5	19.00	S102	TS132S4	21068	6020
76.1	669	1.1	12.75	S102	TH132MB6	21069	6020
76.1	669	1.1	12.75	S102	TP132MB6	21069	6020
75.3	676	1.1	12.75	S102	TS132MB6	21129	6037
72.7	670	Ex	40.05	S082	TS112MB2	16828	4808
69.3	734	1.2	13.99	S102	TH132MB6	21609	6174
69.3	734	1.2	13.99	S102	TP132MB6	21609	6174
69.2	729	2.8	21.25	S122	TP132MS4	30000	8831
68.7	734	2.8	21.25	S122	TH132S4	30000	8847
68.6	742	1.2	13.99	S102	TS132MB6	21670	6191
68.2	739	2.7	21.25	S122	TS132S4	30000	8863
66.4	759	1.3	22.13	S102	TP132MS4	21879	6251
66.0	764	1.3	22.13	S102	TH132S4	21920	6263
65.5	769	1.3	22.13	S102	TS132S4	21960	6274
63.1	799	2.6	23.29	S122	TP132MS4	30000	9050
62.7	804	2.6	23.29	S122	TH132S4	30000	9067
62.3	810	2.6	23.29	S122	TS132S4	30000	9083
60.6	833	1.3	24.28	S102	TP132MS4	22000	6408
60.1	838	1.3	24.28	S102	TH132S4	22000	6420
59.7	844	1.3	24.28	S102	TS132S4	22000	6432
56.4	904	1.0	17.21	S102	TH132MB6	22000	6524
56.4	904	1.0	17.21	S102	TP132MB6	22000	6524
56.2	897	2.4	26.15	S122	TP132MS4	30000	9331
55.8	903	1.2	26.33	S102	TP132MS4	22000	6547
55.8	913	1.0	17.21	S102	TS132MB6	22000	6542
55.8	903	2.4	26.15	S122	TH132S4	30000	9347
55.4	909	1.2	26.33	S102	TH132S4	22000	6559
55.4	910	2.4	26.15	S122	TS132S4	30000	9364
55.1	916	1.2	26.33	S102	TS132S4	22000	6571
51.4	981	2.2	28.60	S122	TP132MS4	30000	9548
51.1	998	1.0	19.00	S102	TH132MB6	22000	6693

5.1 S GEARED MOTORS (50Hz)

5.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
51.1	998	1.0	19.00	S102	TP132MB6	22000	6693
51.0	988	2.2	28.60	S122	TH132S4	30000	9565
50.7	995	2.2	28.60	S122	TS132S4	30000	9582
50.5	1008	1.0	19.00	S102	TS132MB6	22000	6711
49.2	1025	1.1	29.87	S102	TP132MS4	22000	6764
48.9	1032	1.0	29.87	S102	TH132S4	22000	6775
48.5	1039	1.0	29.87	S102	TS132S4	22000	6787
48.2	1047	2.4	30.51	S122	TP132MS4	30000	9706
47.8	1054	2.4	30.51	S122	TH132S4	30000	9723
47.5	1061	2.4	30.51	S122	TS132S4	30000	9740
45.6	1116	1.8	21.25	S122	TH132MB6	30000	9826
45.6	1116	1.8	21.25	S122	TP132MB6	30000	9826
45.4	1111	1.2	32.40	S102	TP132MS4	22000	6904
45.2	1127	1.8	21.25	S122	TS132MB6	30000	9852
45.1	1119	1.1	32.40	S102	TH132S4	22000	6916
44.8	1127	1.1	32.40	S102	TS132S4	22000	6928
44.0	1147	2.2	33.44	S122	TP132MS4	30000	9931
43.7	1155	2.2	33.44	S122	TH132S4	30000	9947
43.4	1163	2.2	33.44	S122	TS132S4	30000	9964
41.8	1207	2.1	35.20	S122	TP132MS4	30000	10056
41.6	1223	1.7	23.29	S122	TH132MB6	30000	10050
41.6	1223	1.7	23.29	S122	TP132MB6	30000	10050
41.5	1216	2.1	35.20	S122	TH132S4	30000	10073
41.2	1236	1.7	23.29	S122	TS132MB6	30000	10075
41.2	1224	2.1	35.20	S122	TS132S4	30000	10089
37.1	1373	1.6	26.15	S122	TH132MB6	30000	10330
37.1	1373	1.6	26.15	S122	TP132MB6	30000	10330
36.7	1387	1.6	26.15	S122	TS132MB6	30000	10355
35.8	1409	1.8	41.07	S122	TP132MS4	30000	10431
35.6	1418	1.8	41.07	S122	TH132S4	30000	10448
35.3	1428	1.8	41.07	S122	TS132S4	30000	10464
33.9	1502	1.4	28.60	S122	TH132MB6	30000	10545
33.9	1502	1.4	28.60	S122	TP132MB6	30000	10545
33.7	1495	1.7	43.60	S122	TP132MS4	30000	10575
33.6	1517	1.4	28.60	S122	TS132MB6	30000	10570
33.5	1506	1.7	43.60	S122	TH132S4	30000	10592
33.3	1516	1.7	43.60	S122	TS132S4	30000	10608
31.8	1602	1.6	30.51	S122	TH132MB6	30000	10699
31.8	1602	1.6	30.51	S122	TP132MB6	30000	10699
31.5	1619	1.6	30.51	S122	TS132MB6	30000	10724
30.0	1682	1.2	49.04	S122	TP132MS4	30000	10856

5.1 S GEARED MOTORS (50Hz)

5.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
29.8	1694	1.2	49.04	S122	TH132S4	30000	10872
29.6	1705	1.2	49.04	S122	TS132S4	30000	10888
29.0	1756	1.5	33.44	S122	TH132MB6	30000	10915
29.0	1756	1.5	33.44	S122	TP132MB6	30000	10915
28.7	1774	1.4	33.44	S122	TS132MB6	30000	10939
27.6	1848	1.4	35.20	S122	TH132MB6	30000	11033
27.6	1848	1.4	35.20	S122	TP132MB6	30000	11033
27.3	1867	1.4	35.20	S122	TS132MB6	30000	11057
27.3	1844	1.2	53.75	S122	TP132MS4	30000	11071
27.2	1856	1.2	53.75	S122	TH132S4	30000	11086
27.0	1869	1.2	53.75	S122	TS132S4	30000	11102
23.6	2156	1.2	41.07	S122	TH132MB6	30000	11200
23.6	2156	1.2	41.07	S122	TP132MB6	30000	11200
23.4	2179	1.2	41.07	S122	TS132MB6	30000	11200
22.3	2264	1.1	66.00	S122	TP132MS4	30000	11200
22.2	2289	1.1	43.60	S122	TH132MB6	30000	11200
22.2	2289	1.1	43.60	S122	TP132MB6	30000	11200
22.1	2279	1.1	66.00	S122	TH132S4	30000	11200
22.0	2295	1.1	66.00	S122	TS132S4	30000	11200
22.0	2313	1.1	43.60	S122	TS132MB6	30000	11200

7.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
198.9	346	1.1	7.34	S082	TH132MA4	12511	3575
198.9	346	1.1	7.34	S082	TP132M4	12511	3575
197.6	348	1.1	7.34	S082	TS132MA4	12535	3581
181.1	380	1.1	8.06	S082	TH132MA4	12830	3666
181.1	380	1.1	8.06	S082	TP132M4	12830	3666
181.1	380	1.6	8.06	S102	TH132MA4	16145	4613
181.1	380	1.6	8.06	S102	TP132M4	16145	4613
179.8	382	1.1	8.06	S082	TS132MA4	12853	3672
179.8	382	1.6	8.06	S102	TS132MA4	16177	4622
170.6	389	Ex	17.29	S082	TP132M2	13080	3737
169.4	392	Ex	17.29	S082	TH132SB2	13103	3744
168.3	394	Ex	17.29	S082	TS132SB2	13127	3751
165.0	417	1.6	8.85	S102	TH132MA4	16582	4738
165.0	417	1.6	8.85	S102	TP132M4	16582	4738
163.9	420	1.5	8.85	S102	TS132MA4	16615	4747
146.8	468	1.0	9.94	S082	TH132MA4	13547	3871
146.8	468	1.0	9.94	S082	TP132M4	13547	3871

5.1 S GEARED MOTORS (50Hz)

7.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
146.5	453	Ex	20.14	S082	TP132M2	13609	3888
145.5	456	Ex	20.14	S082	TH132SB2	13633	3895
144.5	459	Ex	20.14	S082	TS132SB2	13657	3902
134.1	513	1.3	10.88	S102	TH132MA4	17584	5024
134.1	513	1.3	10.88	S102	TP132M4	17584	5024
133.3	498	Ex	22.13	S082	TP132M2	13939	3982
133.2	516	1.3	10.88	S102	TS132MA4	17617	5034
132.4	501	Ex	22.13	S082	TH132SB2	13962	3989
131.5	504	Ex	22.13	S082	TS132SB2	13986	3996
122.9	540	Ex	24.00	S082	TP132M2	14224	4064
122.1	544	Ex	24.00	S082	TH132SB2	14248	4071
121.3	547	Ex	24.00	S082	TS132SB2	14272	4078
120.3	577	1.1	8.06	S102	TP160M6	18107	5174
114.5	600	1.2	12.75	S102	TH132MA4	18369	5248
114.5	600	1.2	12.75	S102	TP132M4	18369	5248
114.4	607	1.8	8.48	S122	TP160M6	26221	7492
113.7	605	1.2	12.75	S102	TS132MA4	18404	5258
109.6	633	1.0	8.85	S102	TP160M6	18571	5306
104.4	659	1.3	13.99	S102	TH132MA4	18837	5382
104.4	659	1.3	13.99	S102	TP132M4	18837	5382
104.3	666	1.8	9.30	S122	TP160M6	26877	7679
103.6	663	1.3	13.99	S102	TS132MA4	18872	5392
85.0	817	1.7	11.42	S122	TP160M6	28363	8104
84.8	811	1.2	17.21	S102	TH132MA4	19898	5685
84.8	811	1.2	17.21	S102	TP132M4	19898	5685
84.2	816	1.2	17.21	S102	TS132MA4	19934	5695
76.8	895	1.1	19.00	S102	TH132MA4	20409	5831
76.8	895	1.1	19.00	S102	TP132M4	20409	5831
76.8	904	1.8	12.63	S122	TP160M6	29098	8314
76.3	901	1.1	19.00	S102	TS132MA4	20445	5841
70.1	991	1.8	13.84	S122	TP160M6	29769	8505
68.7	1001	2.0	21.25	S122	TH132MA4	29953	8558
68.7	1001	2.0	21.25	S122	TP132M4	29953	8558
68.2	1008	2.0	21.25	S122	TS132MA4	30000	8572
62.7	1097	1.9	23.29	S122	TH132MA4	30000	8750
62.7	1097	1.9	23.29	S122	TP132M4	30000	8750
62.3	1105	1.9	23.29	S122	TS132MA4	30000	8765
57.1	1217	1.5	16.99	S122	TP160M6	30000	8932
55.8	1232	1.8	26.15	S122	TH132MA4	30000	8992
55.8	1232	1.8	26.15	S122	TP132M4	30000	8992
55.4	1240	1.7	26.15	S122	TS132MA4	30000	9006

5.1 S GEARED MOTORS (50Hz)

7.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
51.0	1347	1.6	28.60	S122	TH132MA4	30000	9176
51.0	1347	1.6	28.60	S122	TP132M4	30000	9176
50.7	1356	1.6	28.60	S122	TS132MA4	30000	9190
47.8	1437	1.8	30.51	S122	TH132MA4	30000	9308
47.8	1437	1.8	30.51	S122	TP132M4	30000	9308
47.5	1447	1.8	30.51	S122	TS132MA4	30000	9322
45.6	1521	1.3	21.25	S122	TP160M6	30000	9387
43.7	1575	1.6	33.44	S122	TH132MA4	30000	9493
43.7	1575	1.6	33.44	S122	TP132M4	30000	9493
43.4	1586	1.6	33.44	S122	TS132MA4	30000	9507
41.6	1668	1.3	23.29	S122	TP160M6	30000	9568
41.5	1658	1.5	35.20	S122	TH132MA4	30000	9594
41.5	1658	1.5	35.20	S122	TP132M4	30000	9594
41.2	1669	1.5	35.20	S122	TS132MA4	30000	9608
37.1	1872	1.2	26.15	S122	TP160M6	30000	9790
35.6	1934	1.3	41.07	S122	TH132MA4	30000	9889
35.6	1934	1.3	41.07	S122	TP132M4	30000	9889
35.3	1947	1.3	41.07	S122	TS132MA4	30000	9902
33.9	2048	1.1	28.60	S122	TP160M6	30000	9954
33.5	2053	1.2	43.60	S122	TH132MA4	30000	9999
33.5	2053	1.2	43.60	S122	TP132M4	30000	9999
33.3	2067	1.2	43.60	S122	TS132MA4	30000	10012
31.8	2185	1.2	30.51	S122	TP160M6	30000	10069
29.0	2394	1.1	33.44	S122	TP160M6	30000	10224
27.6	2520	1.0	35.20	S122	TP160M6	30000	10306

9.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
181.1	466	1.3	8.06	S102	TH132MB4	15922	4549
179.8	469	1.3	8.06	S102	TS132MB4	15952	4558
169.4	480	Ex	17.29	S082	TH132M2	12812	3660
168.3	484	Ex	17.29	S082	TS132MA2	12833	3667
165.0	511	1.3	8.85	S102	TH132MB4	16337	4668
163.9	515	1.3	8.85	S102	TS132MB4	16368	4677
134.1	629	1.1	10.88	S102	TH132MB4	17282	4938
133.2	633	1.1	10.88	S102	TS132MB4	17314	4947
104.4	808	1.1	13.99	S102	TH132MB4	18450	5271
103.6	814	1.1	13.99	S102	TS132MB4	18482	5281
68.7	1228	1.6	21.25	S122	TH132MB4	29094	8312
68.2	1236	1.6	21.25	S122	TS132MB4	29138	8325

5.1 S GEARED MOTORS (50Hz)

9.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
62.7	1346	1.6	23.29	S122	TH132MB4	29684	8481
62.3	1355	1.5	23.29	S122	TS132MB4	29728	8494
55.8	1511	1.4	26.15	S122	TH132MB4	30000	8690
55.4	1521	1.4	26.15	S122	TS132MB4	30000	8702
51.0	1652	1.3	28.60	S122	TH132MB4	30000	8846
50.7	1664	1.3	28.60	S122	TS132MB4	30000	8858
47.8	1763	1.5	30.51	S122	TH132MB4	30000	8956
47.5	1775	1.4	30.51	S122	TS132MB4	30000	8967
43.7	1932	1.3	33.44	S122	TH132MB4	30000	9106
43.4	1945	1.3	33.44	S122	TS132MB4	30000	9117
41.5	2034	1.3	35.20	S122	TH132MB4	30000	9187
41.2	2048	1.3	35.20	S122	TS132MB4	30000	9198
35.6	2372	1.1	41.07	S122	TH132MB4	30000	9415
35.3	2389	1.1	41.07	S122	TS132MB4	30000	9424
33.5	2519	1.0	43.60	S122	TH132MB4	30000	9495
33.3	2536	1.0	43.60	S122	TS132MB4	30000	9504

11.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
182.9	551	1.1	8.06	S102	TP160MA4	15642	4469
178.6	565	1.1	8.06	S102	TS132MC4	15743	4498
178.6	565	1.1	8.06	S102	TS160S4	15743	4498
173.9	580	1.9	8.48	S122	TP160MA4	22641	6469
169.8	594	1.8	8.48	S122	TS160S4	22785	6510
166.7	605	1.1	8.85	S102	TP160MA4	16034	4581
162.8	620	1.0	8.85	S102	TS132MC4	16136	4610
162.8	620	1.0	8.85	S102	TS160S4	16136	4610
158.6	636	1.9	9.30	S122	TP160MA4	23193	6627
154.9	651	1.9	9.30	S122	TS160S4	23338	6668
129.2	781	1.8	11.42	S122	TP160MA4	24439	6983
126.1	800	1.7	11.42	S122	TS160S4	24585	7024
116.8	863	1.8	12.63	S122	TP160MA4	25052	7158
114.4	891	1.2	8.48	S122	TP160L6	25148	7185
114.1	884	1.8	12.63	S122	TS160S4	25197	7199
106.6	946	1.8	13.84	S122	TP160MA4	25608	7317
104.3	976	1.3	9.30	S122	TP160L6	25700	7343
104.1	969	1.8	13.84	S122	TS160S4	25753	7358
86.8	1162	1.6	16.99	S122	TP160MA4	26837	7668
85.0	1199	1.1	11.42	S122	TP160L6	26918	7691
84.7	1190	1.6	16.99	S122	TS160S4	26979	7708

5.1 S GEARED MOTORS (50Hz)

11.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
76.8	1326	1.2	12.63	S122	TP160L6	27500	7857
70.1	1453	1.2	13.84	S122	TP160L6	28017	8005
69.4	1453	1.4	21.25	S122	TP160MA4	28127	8036
67.8	1488	1.4	21.25	S122	TS132MC4	28260	8074
67.8	1488	1.4	21.25	S122	TS160S4	28260	8074
63.3	1592	1.3	23.29	S122	TP160MA4	28631	8180
61.8	1631	1.3	23.29	S122	TS132MC4	28761	8217
61.8	1631	1.3	23.29	S122	TS160S4	28761	8217
57.1	1784	1.1	16.99	S122	TP160L6	29113	8318
56.4	1788	1.2	26.15	S122	TP160MA4	29242	8355
55.1	1832	1.2	26.15	S122	TS132MC4	29364	8390
55.1	1832	1.2	26.15	S122	TS160S4	29364	8390
51.6	1955	1.1	28.60	S122	TP160MA4	29687	8482
50.3	2003	1.1	28.60	S122	TS132MC4	29802	8515
50.3	2003	1.1	28.60	S122	TS160S4	29802	8515
48.3	2086	1.2	30.51	S122	TP160MA4	29992	8569
47.2	2137	1.2	30.51	S122	TS132MC4	30000	8600
47.2	2137	1.2	30.51	S122	TS160S4	30000	8600
44.1	2287	1.1	33.44	S122	TP160MA4	30000	8685
43.1	2342	1.1	33.44	S122	TS132MC4	30000	8714
43.1	2342	1.1	33.44	S122	TS160S4	30000	8714
41.9	2407	1.1	35.20	S122	TP160MA4	30000	8745
40.9	2465	1.0	35.20	S122	TS160S4	30000	8772
40.9	2465	1.0	35.20	S122	TS132MC4	30000	8772

15.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
173.9	791	1.4	8.48	S122	TP160LA4	21842	6241
158.6	867	1.4	9.30	S122	TP160LA4	22318	6376
129.2	1064	1.3	11.42	S122	TP160LA4	23364	6675
116.8	1177	1.4	12.63	S122	TP160LA4	23862	6818
106.6	1290	1.3	13.84	S122	TP160LA4	24305	6944
86.8	1584	1.2	16.99	S122	TP160LA4	25237	7211
69.4	1981	1.0	21.25	S122	TP160LA4	26125	7464

18.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
173.3	979	1.1	8.48	S122	TP180M4	21158	6045

5.1 S GEARED MOTORS (50Hz)

18.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
158.1	1073	1.1	9.30	S122	TP180M4	21566	6162
128.8	1317	1.0	11.42	S122	TP180M4	22437	6411
116.4	1457	1.1	12.63	S122	TP180M4	22835	6524
106.2	1597	1.1	13.84	S122	TP180M4	23176	6622

5.2 S GEARED MOTORS (60Hz)

0.09 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
7.8	105	2.9	137.45	S053	TS63A6	6000	6000
6.0	135	2.2	177.55	S053	TS63A6	6000	6000
5.4	151	2.0	198.45	S053	TS63A6	6000	6000
4.9	166	1.8	217.64	S053	TS63A6	6000	6000
4.2	195	1.5	256.33	S053	TS63A6	6000	6000
3.4	240	1.2	314.21	S053	TS63A6	6000	6000

0.12 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
12.1	89	3.4	137.45	S053	TS63A4	6000	6000
11.3	97	3.1	95.84	S053	TS63B6	6000	6000
9.4	115	2.6	177.55	S053	TS63A4	6000	6000
9.2	118	2.5	117.48	S053	TS63B6	6000	6000
8.4	128	2.4	198.45	S053	TS63A4	6000	6000
7.9	138	2.2	137.45	S053	TS63B6	6000	6000
7.7	140	2.1	217.64	S053	TS63A4	6000	6000
6.5	165	1.8	256.33	S053	TS63A4	6000	6000
6.1	179	1.7	177.55	S053	TS63B6	6000	6000
5.4	200	1.5	198.45	S053	TS63B6	6000	6000
5.3	203	1.4	314.21	S053	TS63A4	6000	6000
5.0	219	1.4	217.64	S053	TS63B6	6000	6000
4.2	258	1.1	256.33	S053	TS63B6	6000	6000

0.15 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
14.4	94	3.2	74.20	S053	TS63C6	6000	6000
11.2	122	2.4	95.84	S053	TS63C6	6000	6000
9.1	149	2.0	117.48	S053	TS63C6	6000	6000
7.8	175	1.7	137.45	S053	TS63C6	6000	6000
6.0	226	1.3	177.55	S053	TS63C6	6000	6000
5.4	252	1.2	198.45	S053	TS63C6	6000	6000
4.9	277	1.1	217.64	S053	TS63C6	6000	6000

0.18 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
17.4	93	3.2	95.84	S053	TS63B4	6000	6000
15.5	107	2.8	72.83	S052	TS71A6	6000	6000

5.2 S GEARED MOTORS (60Hz)

0.18 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
15.2	107	2.8	74.20	S053	TS71A6	6000	6000
14.2	114	2.6	117.48	S053	TS63B4	6000	6000
12.1	133	2.3	137.45	S053	TS63B4	6000	6000
11.8	138	2.2	95.84	S053	TS71A6	6000	6000
9.6	170	1.7	117.48	S053	TS71A6	6000	6000
9.4	172	1.7	177.55	S053	TS63B4	6000	6000
8.9	183	2.8	126.43	S063	TS71A6	10000	4000
8.4	192	1.6	198.45	S053	TS63B4	6000	6000
8.2	199	1.5	137.45	S053	TS71A6	6000	6000
7.7	211	1.4	217.64	S053	TS63B4	6000	6000
7.5	218	2.3	150.85	S063	TS71A6	10000	4000
6.5	248	1.2	256.33	S053	TS63B4	6000	6000
6.4	256	1.2	177.55	S053	TS71A6	6000	6000
6.1	267	1.9	185.05	S063	TS71A6	10000	4000
6.1	267	3.2	184.88	S083	TS71A6	18000	7200
5.7	287	1.1	198.45	S053	TS71A6	6000	6000
5.6	293	2.9	203.11	S083	TS71A6	18000	7200
5.2	315	1.6	217.79	S063	TS71A6	10000	4000
4.5	362	2.3	250.50	S083	TS71A6	18000	7200
4.2	386	1.3	267.16	S063	TS71A6	10000	4000
3.9	422	2.0	292.36	S083	TS71A6	18000	7200
3.6	456	1.9	315.73	S083	TS71A6	18000	7200
3.5	463	3.0	320.79	S103	TS71A6	22000	9000
3.3	499	2.7	345.60	S103	TS71A6	22000	9000
3.1	521	1.6	360.58	S083	TS71A6	18000	7200
2.9	570	2.4	394.69	S103	TS71A6	22000	9000

0.22 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
22.5	88	3.4	74.20	S053	TS63C4	6000	6000
17.4	113	2.6	95.84	S053	TS63C4	6000	6000
14.2	139	2.1	117.48	S053	TS63C4	6000	6000
12.1	163	1.8	137.45	S053	TS63C4	6000	6000
9.4	210	1.4	177.55	S053	TS63C4	6000	6000
8.4	235	1.3	198.45	S053	TS63C4	6000	6000
7.7	257	1.2	217.64	S053	TS63C4	6000	6000

5.2 S GEARED MOTORS (60Hz)

0.25 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
23.9	97	3.1	47.20	S052	TS71B6	6000	6000
23.6	97	3.1	72.83	S052	TS71A4	6000	6000
23.2	97	3.1	74.20	S053	TS71A4	6000	6000
22.4	100	3.0	74.20	S053	TS63D4	6000	6000
21.6	107	2.8	52.25	S052	TS71B6	6000	6000
19.5	119	2.5	57.86	S052	TS71B6	6000	6000
17.9	125	2.4	95.84	S053	TS71A4	6000	6000
17.3	130	2.3	95.84	S053	TS63D4	6000	6000
15.5	149	2.0	72.83	S052	TS71B6	6000	6000
15.2	149	2.0	74.20	S053	TS71B6	6000	6000
14.6	153	1.9	117.48	S053	TS71A4	6000	6000
14.1	159	1.9	117.48	S053	TS63D4	6000	6000
13.9	163	3.1	81.43	S063	TS71B6	10000	4000
13.6	165	3.1	126.43	S063	TS71A4	10000	4000
12.5	179	1.7	137.45	S053	TS71A4	6000	6000
12.1	186	1.6	137.45	S053	TS63D4	6000	6000
11.8	192	1.6	95.84	S053	TS71B6	6000	6000
11.4	197	2.6	150.85	S063	TS71A4	10000	4000
11.3	200	2.5	99.89	S063	TS71B6	10000	4000
9.7	232	1.3	177.55	S053	TS71A4	6000	6000
9.6	236	1.3	117.48	S053	TS71B6	6000	6000
9.3	240	1.2	177.55	S053	TS63D4	6000	6000
9.3	241	2.1	185.05	S063	TS71A4	10000	4000
9.3	241	3.5	184.88	S083	TS71A4	18000	7200
8.9	254	2.0	126.43	S063	TS71B6	10000	4000
8.8	258	3.3	128.73	S083	TS71B6	18000	7200
8.7	259	1.2	198.45	S053	TS71A4	6000	6000
8.5	265	3.2	203.11	S083	TS71A4	18000	7200
8.4	268	1.1	198.45	S053	TS63D4	6000	6000
8.2	276	1.1	137.45	S053	TS71B6	6000	6000
7.9	284	1.0	217.64	S053	TS71A4	6000	6000
7.9	284	1.8	217.79	S063	TS71A4	10000	4000
7.6	294	1.0	217.64	S053	TS63D4	6000	6000
7.5	303	1.7	150.85	S063	TS71B6	10000	4000
7.1	318	2.7	158.76	S083	TS71B6	18000	7200
6.9	327	2.6	250.50	S083	TS71A4	18000	7200
6.4	349	1.5	267.16	S063	TS71A4	10000	4000
6.1	371	1.4	185.05	S063	TS71B6	10000	4000
6.1	371	2.3	184.88	S083	TS71B6	18000	7200
5.9	381	2.2	292.36	S083	TS71A4	18000	7200
5.6	407	2.1	203.11	S083	TS71B6	18000	7200

5.2 S GEARED MOTORS (60Hz)

0.25 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
5.4	412	2.1	315.73	S083	TS71A4	18000	7200
5.4	419	3.3	320.79	S103	TS71A4	22000	9000
5.2	437	1.2	217.79	S063	TS71B6	10000	4000
5.1	447	3.1	222.85	S103	TS71B6	22000	9000
5.0	451	3.0	345.60	S103	TS71A4	22000	9000
4.8	470	1.8	360.58	S083	TS71A4	18000	7200
4.5	502	1.7	250.50	S083	TS71B6	18000	7200
4.4	515	2.6	394.69	S103	TS71A4	22000	9000
4.1	550	2.5	274.20	S103	TS71B6	22000	9000
3.9	586	1.4	292.36	S083	TS71B6	18000	7200
3.6	633	1.3	315.73	S083	TS71B6	18000	7200
3.5	643	2.1	320.79	S103	TS71B6	22000	9000
3.3	693	2.0	345.60	S103	TS71B6	22000	9000
3.1	723	1.2	360.58	S083	TS71B6	18000	7200
2.9	792	1.7	394.69	S103	TS71B6	22000	9000

0.37 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
47.8	72	2.6	24.07	S052	TS80A6	6000	6000
45.7	75	2.5	24.07	S052	TS71C6	6000	6000
44.6	77	2.7	25.79	S052	TS80A6	6000	6000
42.7	80	2.6	25.79	S052	TS71C6	6000	6000
41.4	83	2.5	27.81	S052	TS80A6	6000	6000
40.1	85	3.5	42.63	S052	TS71B4	6000	6000
39.6	87	2.4	27.81	S052	TS71C6	6000	6000
38.3	89	2.3	30.00	S052	TS80A6	6000	6000
36.7	93	2.2	30.00	S052	TS71C6	6000	6000
36.2	94	3.2	47.20	S052	TS71B4	6000	6000
35.3	97	2.6	32.55	S052	TS80A6	6000	6000
33.8	101	2.5	32.55	S052	TS71C6	6000	6000
32.7	104	2.9	52.25	S052	TS71B4	6000	6000
31.5	109	2.6	36.55	S052	TS80A6	6000	6000
30.1	114	2.5	36.55	S052	TS71C6	6000	6000
29.6	115	2.6	57.86	S052	TS71B4	6000	6000
28.8	119	2.5	39.90	S052	TS80A6	6000	6000
27.6	124	2.4	39.90	S052	TS71C6	6000	6000
27.0	127	2.3	42.63	S052	TS80A6	6000	6000
25.8	133	2.2	42.63	S052	TS71C6	6000	6000
24.4	141	2.1	47.20	S052	TS80A6	6000	6000
23.5	144	2.1	72.83	S052	TS71B4	6000	6000

5.2 S GEARED MOTORS (60Hz)

0.37 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
23.3	147	2.0	47.20	S052	TS71C6	6000	6000
23.0	144	2.1	74.20	S053	TS71B4	6000	6000
22.0	156	1.9	52.25	S052	TS80A6	6000	6000
21.5	159	3.2	53.53	S062	TS80A6	10000	4000
21.1	163	1.8	52.25	S052	TS71C6	6000	6000
21.0	158	3.2	81.43	S063	TS71B4	10000	4000
20.9	164	3.1	55.00	S062	TS80A6	10000	4000
20.6	167	3.1	53.53	S062	TS71C6	10000	4000
20.0	171	3.0	55.00	S062	TS71C6	10000	4000
19.9	172	1.7	57.86	S052	TS80A6	6000	6000
19.0	180	1.7	57.86	S052	TS71C6	6000	6000
17.8	186	1.6	95.84	S053	TS71B4	6000	6000
17.1	194	2.6	99.89	S063	TS71B4	10000	4000
17.0	201	2.5	67.47	S062	TS80A6	10000	4000
16.3	210	2.4	67.47	S062	TS71C6	10000	4000
15.8	217	1.4	72.83	S052	TS80A6	6000	6000
15.5	216	1.4	74.20	S053	TS80A6	6000	6000
15.1	227	1.3	72.83	S052	TS71C6	6000	6000
14.8	226	1.3	74.20	S053	TS71C6	6000	6000
14.6	228	1.3	117.48	S053	TS71B4	6000	6000
14.1	238	2.1	81.43	S063	TS80A6	10000	4000
13.5	246	2.1	126.43	S063	TS71B4	10000	4000
13.5	248	2.1	81.43	S063	TS71C6	10000	4000
13.3	250	3.4	128.73	S083	TS71B4	18000	7200
12.6	267	3.2	91.49	S083	TS80A6	18000	7200
12.4	267	1.1	137.45	S053	TS71B4	6000	6000
12.0	280	1.1	95.84	S053	TS80A6	6000	6000
11.5	292	1.0	95.84	S053	TS71C6	6000	6000
11.5	291	1.8	99.89	S063	TS80A6	10000	4000
11.3	293	1.7	150.85	S063	TS71B4	10000	4000
11.0	305	1.7	99.89	S063	TS71C6	10000	4000
10.8	308	2.8	158.76	S083	TS71B4	18000	7200
9.8	342	2.5	117.17	S083	TS80A6	18000	7200
9.4	357	2.4	117.17	S083	TS71C6	18000	7200
9.2	359	1.4	185.05	S063	TS71B4	10000	4000
9.2	359	2.4	184.88	S083	TS71B4	18000	7200
9.1	369	1.4	126.43	S063	TS80A6	10000	4000
8.9	376	2.3	128.73	S083	TS80A6	18000	7200
8.7	386	1.3	126.43	S063	TS71C6	10000	4000
8.5	393	2.2	128.73	S083	TS71C6	18000	7200
8.4	395	2.2	203.11	S083	TS71B4	18000	7200

5.2 S GEARED MOTORS (60Hz)

0.37 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
8.4	395	3.5	203.11	S103	TS71B4	22000	9000
8.1	412	3.3	141.24	S103	TS80A6	22000	9000
7.9	423	1.2	217.79	S063	TS71B4	10000	4000
7.8	431	3.2	141.24	S103	TS71C6	22000	9000
7.7	433	3.2	222.85	S103	TS71B4	22000	9000
7.6	440	1.2	150.85	S063	TS80A6	10000	4000
7.3	460	1.1	150.85	S063	TS71C6	10000	4000
7.2	463	1.8	158.76	S083	TS80A6	18000	7200
6.9	484	1.8	158.76	S083	TS71C6	18000	7200
6.8	487	1.7	250.50	S083	TS71B4	18000	7200
6.6	507	2.7	173.78	S103	TS80A6	22000	9000
6.3	530	2.6	173.78	S103	TS71C6	22000	9000
6.2	539	1.6	184.88	S083	TS80A6	18000	7200
6.2	533	2.6	274.20	S103	TS71B4	22000	9000
5.9	564	1.5	184.88	S083	TS71C6	18000	7200
5.8	568	1.5	292.36	S083	TS71B4	18000	7200
5.7	592	1.4	203.11	S083	TS80A6	18000	7200
5.7	592	2.3	203.11	S103	TS80A6	22000	9000
5.4	619	1.4	203.11	S083	TS71C6	18000	7200
5.4	613	1.4	315.73	S083	TS71B4	18000	7200
5.4	619	2.2	203.11	S103	TS71C6	22000	9000
5.3	623	2.2	320.79	S103	TS71B4	22000	9000
5.2	650	2.1	222.85	S103	TS80A6	22000	9000
4.9	680	2.0	222.85	S103	TS71C6	22000	9000
4.9	671	2.0	345.60	S103	TS71B4	22000	9000
4.7	700	1.2	360.58	S083	TS71B4	18000	7200
4.6	731	1.2	250.50	S083	TS80A6	18000	7200
4.4	764	1.1	250.50	S083	TS71C6	18000	7200
4.3	767	1.8	394.69	S103	TS71B4	22000	9000
4.2	800	1.7	274.20	S103	TS80A6	22000	9000
4.1	817	3.1	280.10	S123	TS80A6	30000	11200
4.0	836	1.6	274.20	S103	TS71C6	22000	9000
3.8	879	2.9	301.16	S123	TS80A6	30000	11200
3.6	936	1.5	320.79	S103	TS80A6	22000	9000
3.4	978	1.4	320.79	S103	TS71C6	22000	9000
3.3	1008	1.3	345.60	S103	TS80A6	22000	9000
3.3	1003	2.6	343.93	S123	TS80A6	30000	11200
3.2	1054	1.3	345.60	S103	TS71C6	22000	9000
2.9	1151	1.2	394.69	S103	TS80A6	22000	9000
2.8	1204	1.1	394.69	S103	TS71C6	22000	9000

5.2 S GEARED MOTORS (60Hz)

0.55 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
103.2	49	2.8	11.14	S052	TS80B6	4779	4779
84.2	60	2.5	13.66	S052	TS80B6	5067	5067
82.2	61	3.1	21.04	S052	TS80A4	5104	5104
80.8	62	3.0	21.04	S052	TS71C4	5129	5129
75.3	68	2.6	15.27	S052	TS80B6	5229	5229
71.9	70	2.7	24.07	S052	TS80A4	5301	5301
70.6	71	2.6	24.07	S052	TS71C4	5327	5327
70.6	72	2.4	16.29	S052	TS80B6	5323	5323
67.1	75	2.8	25.79	S052	TS80A4	5403	5403
65.9	76	2.7	25.79	S052	TS71C4	5429	5429
62.2	81	2.6	27.81	S052	TS80A4	5516	5516
61.7	83	2.1	18.63	S052	TS80B6	5523	5523
61.1	82	2.5	27.81	S052	TS71C4	5543	5543
57.7	87	2.4	30.00	S052	TS80A4	5631	5631
56.7	89	2.3	30.00	S052	TS71C4	5658	5658
54.7	93	2.0	21.04	S052	TS80B6	5707	5707
53.1	95	2.7	32.55	S052	TS80A4	5755	5755
52.2	97	2.7	32.55	S052	TS71C4	5782	5782
47.8	107	1.8	24.07	S052	TS80B6	5913	5913
47.3	107	2.6	36.55	S052	TS80A4	5933	5933
46.5	108	2.6	36.55	S052	TS71C4	5960	5960
44.6	114	1.8	25.79	S052	TS80B6	6000	6000
43.4	116	2.6	39.90	S052	TS80A4	6000	6000
42.6	118	2.5	39.90	S052	TS71C4	6000	6000
41.4	123	1.7	27.81	S052	TS80B6	6000	6000
40.6	124	2.4	42.63	S052	TS80A4	6000	6000
39.9	126	2.4	42.63	S052	TS71C4	6000	6000
38.3	133	1.6	30.00	S052	TS80B6	6000	6000
38.3	133	2.7	30.00	S062	TS80B6	10000	4000
36.6	138	2.2	47.20	S052	TS80A4	6000	6000
36.0	140	2.1	47.20	S052	TS71C4	6000	6000
35.3	144	1.8	32.55	S052	TS80B6	6000	6000
33.1	152	2.0	52.25	S052	TS80A4	6000	6000
32.5	155	1.9	52.25	S052	TS71C4	6000	6000
32.3	156	3.3	53.53	S062	TS80A4	10000	4000
31.8	159	3.2	53.53	S062	TS71C4	10000	4000
31.5	162	1.7	36.55	S052	TS80B6	6000	6000
31.5	160	3.2	55.00	S062	TS80A4	10000	4000
31.4	162	3.1	36.57	S062	TS80B6	10000	4000
30.9	163	3.1	55.00	S062	TS71C4	10000	4000
29.9	169	1.8	57.86	S052	TS80A4	6000	6000

5.2 S GEARED MOTORS (60Hz)

0.55 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
29.4	172	1.7	57.86	S052	TS71C4	6000	6000
29.2	174	2.9	39.38	S062	TS80B6	10000	4000
28.8	177	1.7	39.90	S052	TS80B6	6000	6000
27.0	189	1.6	42.63	S052	TS80B6	6000	6000
26.4	193	2.6	43.64	S062	TS80B6	10000	4000
25.6	197	2.6	67.47	S062	TS80A4	10000	4000
25.2	200	2.5	67.47	S062	TS71C4	10000	4000
24.9	204	2.5	46.10	S062	TS80B6	10000	4000
24.4	209	1.4	47.20	S052	TS80B6	6000	6000
23.8	212	1.4	72.83	S052	TS80A4	6000	6000
23.3	216	1.4	72.83	S052	TS71C4	6000	6000
23.3	212	1.4	74.20	S053	TS80A4	6000	6000
22.9	216	1.4	74.20	S053	TS71C4	6000	6000
22.0	231	1.3	52.25	S052	TS80B6	6000	6000
21.5	237	2.2	53.53	S062	TS80B6	10000	4000
21.2	232	2.2	81.43	S063	TS80A4	10000	4000
20.9	244	2.1	55.00	S062	TS80B6	10000	4000
20.9	237	2.2	81.43	S063	TS71C4	10000	4000
19.9	256	1.2	57.86	S052	TS80B6	6000	6000
18.9	261	3.3	91.49	S083	TS80A4	18000	7200
18.6	274	3.1	61.98	S082	TS80B6	18000	7200
18.1	274	1.1	95.84	S053	TS80A4	6000	6000
17.7	278	1.1	95.84	S053	TS71C4	6000	6000
17.3	285	1.8	99.89	S063	TS80A4	10000	4000
17.0	299	1.7	67.47	S062	TS80B6	10000	4000
17.0	290	1.8	99.89	S063	TS71C4	10000	4000
17.0	293	2.9	67.52	S083	TS80B6	18000	7200
15.5	322	2.6	74.18	S083	TS80B6	18000	7200
14.8	334	2.5	117.17	S083	TS80A4	18000	7200
14.5	340	2.5	117.17	S083	TS71C4	18000	7200
14.1	353	1.4	81.43	S063	TS80B6	10000	4000
13.7	361	1.4	126.43	S063	TS80A4	10000	4000
13.4	367	1.4	126.43	S063	TS71C4	10000	4000
13.4	367	2.3	128.73	S083	TS80A4	18000	7200
13.2	374	2.3	128.73	S083	TS71C4	18000	7200
12.6	397	2.1	91.49	S083	TS80B6	18000	7200
12.2	403	3.4	141.24	S103	TS80A4	22000	9000
12.0	410	3.3	141.24	S103	TS71C4	22000	9000
11.5	433	1.2	99.89	S063	TS80B6	10000	4000
11.5	431	1.2	150.85	S063	TS80A4	10000	4000
11.5	434	3.1	100.15	S103	TS80B6	22000	9000

5.2 S GEARED MOTORS (60Hz)

0.55 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
11.3	438	1.2	150.85	S063	TS71C4	10000	4000
10.9	453	1.9	158.76	S083	TS80A4	18000	7200
10.7	461	1.8	158.76	S083	TS71C4	18000	7200
10.4	479	2.8	110.55	S103	TS80B6	22000	9000
10.0	496	2.8	173.78	S103	TS80A4	22000	9000
9.8	508	1.7	117.17	S083	TS80B6	18000	7200
9.8	505	2.7	173.78	S103	TS71C4	22000	9000
9.4	528	1.6	184.88	S083	TS80A4	18000	7200
9.2	537	1.6	184.88	S083	TS71C4	18000	7200
8.9	558	1.5	128.73	S083	TS80B6	18000	7200
8.9	558	2.4	128.73	S103	TS80B6	22000	9000
8.5	580	1.5	203.11	S083	TS80A4	18000	7200
8.5	580	2.4	203.11	S103	TS80A4	22000	9000
8.4	590	1.4	203.11	S083	TS71C4	18000	7200
8.4	590	2.3	203.11	S103	TS71C4	22000	9000
8.1	612	2.2	141.24	S103	TS80B6	22000	9000
7.8	636	2.1	222.85	S103	TS80A4	22000	9000
7.6	647	2.1	222.85	S103	TS71C4	22000	9000
7.2	688	1.2	158.76	S083	TS80B6	18000	7200
6.9	715	1.2	250.50	S083	TS80A4	18000	7200
6.8	728	1.2	250.50	S083	TS71C4	18000	7200
6.6	754	1.8	173.78	S103	TS80B6	22000	9000
6.5	770	3.3	177.53	S123	TS80B6	30000	11200
6.3	783	1.7	274.20	S103	TS80A4	22000	9000
6.2	802	1.1	184.88	S083	TS80B6	18000	7200
6.2	796	1.7	274.20	S103	TS71C4	22000	9000
6.2	799	3.2	280.10	S123	TS80A4	30000	11200
5.9	834	1.0	292.36	S083	TS80A4	18000	7200
5.9	844	3.0	194.59	S123	TS80B6	30000	11200
5.7	881	1.5	203.11	S103	TS80B6	22000	9000
5.7	859	3.0	301.16	S123	TS80A4	30000	11200
5.4	916	1.5	320.79	S103	TS80A4	22000	9000
5.3	932	1.5	320.79	S103	TS71C4	22000	9000
5.2	966	1.4	222.85	S103	TS80B6	22000	9000
5.0	986	1.4	345.60	S103	TS80A4	22000	9000
5.0	982	2.6	343.93	S123	TS80A4	30000	11200
4.9	1004	1.4	345.60	S103	TS71C4	22000	9000
4.8	1036	2.5	238.93	S123	TS80B6	30000	11200
4.4	1126	1.2	394.69	S103	TS80A4	22000	9000
4.3	1146	1.2	394.69	S103	TS71C4	22000	9000
4.2	1189	1.1	274.20	S103	TS80B6	22000	9000

5.2 S GEARED MOTORS (60Hz)

0.55 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
4.1	1215	2.1	280.10	S123	TS80B6	30000	11200
3.8	1306	2.0	301.16	S123	TS80B6	30000	11200
3.3	1491	1.7	343.93	S123	TS80B6	30000	11200

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
133.3	52	2.4	8.63	S052	TH90S6	4353	4353
131.0	53	2.3	8.63	S052	TS80C6	4375	4375
131.0	53	2.3	8.63	S052	TS90S6	4375	4375
128.1	54	2.8	13.66	S052	TH80B4	4405	4405
128.1	54	2.8	13.66	S052	TP80B4	4405	4405
126.7	54	2.8	13.66	S052	TS80B4	4420	4420
114.6	60	2.9	15.27	S052	TH80B4	4546	4546
114.6	60	2.9	15.27	S052	TP80B4	4546	4546
113.3	61	2.9	15.27	S052	TS80B4	4560	4560
107.5	64	2.7	16.29	S052	TH80B4	4627	4627
107.5	64	2.7	16.29	S052	TP80B4	4627	4627
106.2	65	2.7	16.29	S052	TS80B4	4642	4642
103.2	67	2.0	11.14	S052	TH90S6	4675	4675
101.4	68	2.0	11.14	S052	TS90S6	4697	4697
101.4	68	2.0	11.14	S052	TS80C6	4697	4697
93.9	73	2.4	18.63	S052	TH80B4	4801	4801
93.9	73	2.4	18.63	S052	TP80B4	4801	4801
92.9	74	2.3	18.63	S052	TS80B4	4816	4816
84.2	82	1.8	13.66	S052	TH90S6	4939	4939
83.2	83	2.3	21.04	S052	TH80B4	4960	4960
83.2	83	2.3	21.04	S052	TP80B4	4960	4960
82.7	84	1.8	13.66	S052	TS80C6	4962	4962
82.7	84	1.8	13.66	S052	TS90S6	4962	4962
82.2	84	2.2	21.04	S052	TS80B4	4975	4975
75.3	92	1.9	15.27	S052	TH90S6	5086	5086
74.0	94	1.9	15.27	S052	TS80C6	5109	5109
74.0	94	1.9	15.27	S052	TS90S6	5109	5109
72.7	95	2.0	24.07	S052	TH80B4	5137	5137
72.7	95	2.0	24.07	S052	TP80B4	5137	5137
71.9	96	2.0	24.07	S052	TS80B4	5153	5153
70.6	98	1.8	16.29	S052	TH90S6	5171	5171
69.4	100	1.7	16.29	S052	TS80C6	5194	5194
69.4	100	1.7	16.29	S052	TS90S6	5194	5194
67.9	101	2.1	25.79	S052	TH80B4	5229	5229

5.2 S GEARED MOTORS (60Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
67.9	101	2.1	25.79	S052	TP80B4	5229	5229
67.1	102	2.0	25.79	S052	TS80B4	5244	5244
62.9	109	1.9	27.81	S052	TH80B4	5330	5330
62.9	109	1.9	27.81	S052	TP80B4	5330	5330
62.2	111	1.9	27.81	S052	TS80B4	5345	5345
61.7	113	1.5	18.63	S052	TH90S6	5349	5349
60.6	115	1.5	18.63	S052	TS80C6	5372	5372
60.6	115	1.5	18.63	S052	TS90S6	5372	5372
58.8	118	2.8	19.55	S062	TH90S6	9737	3895
58.3	118	1.8	30.00	S052	TH80B4	5431	5431
58.3	118	1.8	30.00	S052	TP80B4	5431	5431
58.3	118	3.1	30.00	S062	TH80B4	9767	3907
58.3	118	3.1	30.00	S062	TP80B4	9767	3907
57.8	120	2.8	19.55	S062	TS80C6	9785	3914
57.8	120	2.8	19.55	S062	TS90S6	9785	3914
57.7	119	1.7	30.00	S052	TS80B4	5446	5446
57.7	119	3.0	30.00	S062	TS80B4	9799	3920
54.7	127	1.5	21.04	S052	TH90S6	5510	5510
53.8	128	2.0	32.55	S052	TH80B4	5540	5540
53.8	128	2.0	32.55	S052	TP80B4	5540	5540
53.7	129	1.5	21.04	S052	TS90S6	5533	5533
53.7	129	1.5	21.04	S052	TS80C6	5533	5533
53.1	129	2.0	32.55	S052	TS80B4	5555	5555
49.6	140	2.4	23.18	S062	TH90S6	10000	4000
48.8	142	2.4	23.18	S062	TS80C6	10000	4000
48.8	142	2.4	23.18	S062	TS90S6	10000	4000
47.9	144	2.0	36.55	S052	TH80B4	5693	5693
47.9	144	2.0	36.55	S052	TP80B4	5693	5693
47.9	144	3.5	36.57	S062	TH80B4	10000	4000
47.9	144	3.5	36.57	S062	TP80B4	10000	4000
47.8	145	1.3	24.07	S052	TH90S6	5688	5688
47.3	145	1.9	36.55	S052	TS80B4	5708	5708
47.3	145	3.5	36.57	S062	TS80B4	10000	4000
47.0	148	1.3	24.07	S052	TS80C6	5711	5711
47.0	148	1.3	24.07	S052	TS90S6	5711	5711
45.7	152	2.3	25.14	S062	TH90S6	10000	4000
44.9	155	2.2	25.14	S062	TS80C6	10000	4000
44.9	155	2.2	25.14	S062	TS90S6	10000	4000
44.6	156	1.3	25.79	S052	TH90S6	5778	5778
44.4	155	3.3	39.38	S062	TH80B4	10000	4000
44.4	155	3.3	39.38	S062	TP80B4	10000	4000

5.2 S GEARED MOTORS (60Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
43.9	157	1.9	39.90	S052	TH80B4	5809	5809
43.9	157	1.9	39.90	S052	TP80B4	5809	5809
43.9	156	3.3	39.38	S062	TS80B4	10000	4000
43.8	158	1.3	25.79	S052	TS80C6	5800	5800
43.8	158	1.3	25.79	S052	TS90S6	5800	5800
43.4	159	1.9	39.90	S052	TS80B4	5824	5824
41.6	167	2.1	27.66	S062	TH90S6	10000	4000
41.4	168	1.2	27.81	S052	TH90S6	5875	5875
41.1	167	1.8	42.63	S052	TH80B4	5894	5894
41.1	167	1.8	42.63	S052	TP80B4	5894	5894
40.9	170	2.0	27.66	S062	TS80C6	10000	4000
40.9	170	2.0	27.66	S062	TS90S6	10000	4000
40.6	169	1.8	42.63	S052	TS80B4	5909	5909
40.6	171	1.2	27.81	S052	TS80C6	5898	5898
40.6	171	1.2	27.81	S052	TS90S6	5898	5898
40.1	171	3.0	43.64	S062	TH80B4	10000	4000
40.1	171	3.0	43.64	S062	TP80B4	10000	4000
39.6	173	2.9	43.64	S062	TS80B4	10000	4000
38.3	181	1.1	30.00	S052	TH90S6	5972	5972
38.3	181	2.0	30.00	S062	TH90S6	10000	4000
38.0	181	2.8	46.10	S062	TH80B4	10000	4000
38.0	181	2.8	46.10	S062	TP80B4	10000	4000
37.7	184	1.1	30.00	S052	TS80C6	5994	5994
37.7	184	1.1	30.00	S052	TS90S6	5994	5994
37.7	184	2.0	30.00	S062	TS80C6	10000	4000
37.7	184	2.0	30.00	S062	TS90S6	10000	4000
37.5	183	2.8	46.10	S062	TS80B4	10000	4000
37.1	185	1.6	47.20	S052	TH80B4	6000	6000
37.1	185	1.6	47.20	S052	TP80B4	6000	6000
36.6	188	1.6	47.20	S052	TS80B4	6000	6000
35.3	197	1.3	32.55	S052	TH90S6	6000	6000
34.7	200	1.3	32.55	S052	TS80C6	6000	6000
34.7	200	1.3	32.55	S052	TS90S6	6000	6000
33.5	205	1.5	52.25	S052	TH80B4	6000	6000
33.5	205	1.5	52.25	S052	TP80B4	6000	6000
33.1	208	1.4	52.25	S052	TS80B4	6000	6000
32.7	210	2.4	53.53	S062	TH80B4	10000	4000
32.7	210	2.4	53.53	S062	TP80B4	10000	4000
32.3	213	2.4	53.53	S062	TS80B4	10000	4000
31.8	216	2.4	55.00	S062	TH80B4	10000	4000
31.8	216	2.4	55.00	S062	TP80B4	10000	4000

5.2 S GEARED MOTORS (60Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
31.5	221	1.3	36.55	S052	TH90S6	6000	6000
31.5	219	2.3	55.00	S062	TS80B4	10000	4000
31.4	221	2.3	36.57	S062	TH90S6	10000	4000
30.9	225	1.3	36.55	S052	TS80C6	6000	6000
30.9	225	1.3	36.55	S052	TS90S6	6000	6000
30.9	225	2.3	36.57	S062	TS80C6	10000	4000
30.9	225	2.3	36.57	S062	TS90S6	10000	4000
30.2	227	1.3	57.86	S052	TH80B4	6000	6000
30.2	227	1.3	57.86	S052	TP80B4	6000	6000
29.9	230	1.3	57.86	S052	TS80B4	6000	6000
29.2	238	2.1	39.38	S062	TH90S6	10000	4000
28.8	241	1.2	39.90	S052	TH90S6	6000	6000
28.7	242	2.1	39.38	S062	TS80C6	10000	4000
28.7	242	2.1	39.38	S062	TS90S6	10000	4000
28.3	245	1.2	39.90	S052	TS80C6	6000	6000
28.3	245	1.2	39.90	S052	TS90S6	6000	6000
28.2	244	3.5	61.98	S082	TH80B4	18000	7198
28.2	244	3.5	61.98	S082	TP80B4	18000	7198
27.9	246	3.5	61.98	S082	TS80B4	18000	7200
27.0	257	1.2	42.63	S052	TH90S6	6000	6000
26.7	260	3.3	43.05	S082	TH90S6	18000	7200
26.5	262	1.1	42.63	S052	TS80C6	6000	6000
26.5	262	1.1	42.63	S052	TS90S6	6000	6000
26.4	264	1.9	43.64	S062	TH90S6	10000	4000
26.2	265	3.2	43.05	S082	TS80C6	18000	7200
26.2	265	3.2	43.05	S082	TS90S6	18000	7200
25.9	268	1.9	43.64	S062	TS90S6	10000	4000
25.9	265	1.9	67.47	S062	TH80B4	10000	4000
25.9	265	1.9	67.47	S062	TP80B4	10000	4000
25.9	268	1.9	43.64	S062	TS80C6	10000	4000
25.9	260	3.3	67.52	S083	TH80B4	18000	7200
25.9	260	3.3	67.52	S083	TP80B4	18000	7200
25.6	268	1.9	67.47	S062	TS80B4	10000	4000
25.6	263	3.2	67.52	S083	TS80B4	18000	7200
24.9	278	1.8	46.10	S062	TH90S6	10000	4000
24.5	283	1.8	46.10	S062	TS80C6	10000	4000
24.5	283	1.8	46.10	S062	TS90S6	10000	4000
24.4	285	1.0	47.20	S052	TH90S6	6000	6000
24.0	286	1.0	72.83	S052	TH80B4	6000	6000
24.0	286	1.0	72.83	S052	TP80B4	6000	6000
23.9	290	1.0	47.20	S052	TS80C6	6000	6000

5.2 S GEARED MOTORS (60Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
23.9	290	1.0	47.20	S052	TS90S6	6000	6000
23.8	289	1.0	72.83	S052	TS80B4	6000	6000
23.6	285	1.1	74.20	S053	TH80B4	6000	6000
23.6	285	1.1	74.20	S053	TP80B4	6000	6000
23.6	285	3.0	74.18	S083	TH80B4	18000	7200
23.6	285	3.0	74.18	S083	TP80B4	18000	7200
23.3	289	1.0	74.20	S053	TS80B4	6000	6000
23.3	289	2.9	74.18	S083	TS80B4	18000	7200
22.9	303	2.8	50.25	S082	TH90S6	18000	7200
22.5	309	2.8	50.25	S082	TS80C6	18000	7200
22.5	309	2.8	50.25	S082	TS90S6	18000	7200
21.5	323	1.6	53.53	S062	TH90S6	10000	4000
21.5	313	1.6	81.43	S063	TH80B4	10000	4000
21.5	313	1.6	81.43	S063	TP80B4	10000	4000
21.2	317	1.6	81.43	S063	TS80B4	10000	4000
21.2	328	2.6	54.27	S082	TH90S6	18000	7200
21.1	329	1.6	53.53	S062	TS80C6	10000	4000
21.1	329	1.6	53.53	S062	TS90S6	10000	4000
20.9	332	1.5	55.00	S062	TH90S6	10000	4000
20.8	334	2.5	54.27	S082	TS90S6	18000	7200
20.8	334	2.5	54.27	S082	TS80C6	18000	7200
20.5	338	1.5	55.00	S062	TS80C6	10000	4000
20.5	338	1.5	55.00	S062	TS90S6	10000	4000
20.5	339	3.3	55.14	S102	TS80C6	22000	9000
20.5	339	3.3	55.14	S102	TS90S6	22000	9000
19.1	352	2.4	91.49	S083	TH80B4	18000	7200
19.1	352	2.4	91.49	S083	TP80B4	18000	7200
18.9	356	2.4	91.49	S083	TS80B4	18000	7200
18.6	374	2.3	61.98	S082	TH90S6	18000	7200
18.2	381	2.2	61.98	S082	TS80C6	18000	7200
18.2	381	2.2	61.98	S082	TS90S6	18000	7200
17.5	384	1.3	99.89	S063	TH80B4	10000	4000
17.5	384	1.3	99.89	S063	TP80B4	10000	4000
17.5	385	3.5	100.15	S103	TH80B4	22000	9000
17.5	385	3.5	100.15	S103	TP80B4	22000	9000
17.3	389	1.3	99.89	S063	TS80B4	10000	4000
17.3	390	3.5	100.15	S103	TS80B4	22000	9000
17.0	407	1.3	67.47	S062	TH90S6	10000	4000
17.0	399	2.1	67.52	S083	TH90S6	18000	7200
16.7	415	1.2	67.47	S062	TS80C6	10000	4000
16.7	415	1.2	67.47	S062	TS90S6	10000	4000

5.2 S GEARED MOTORS (60Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
16.7	406	2.1	67.52	S083	TS80C6	18000	7200
16.7	406	2.1	67.52	S083	TS90S6	18000	7200
16.7	417	3.3	67.84	S102	TS80C6	22000	9000
16.7	417	3.3	67.84	S102	TS90S6	22000	9000
15.8	425	3.2	110.55	S103	TH80B4	22000	9000
15.8	425	3.2	110.55	S103	TP80B4	22000	9000
15.6	430	3.2	110.55	S103	TS80B4	22000	9000
15.5	439	1.9	74.18	S083	TH90S6	18000	7200
15.5	439	3.1	74.18	S103	TH90S6	22000	9000
15.2	446	1.9	74.18	S083	TS80C6	18000	7200
15.2	446	1.9	74.18	S083	TS90S6	18000	7200
15.2	446	3.1	74.18	S103	TS80C6	22000	9000
15.2	446	3.1	74.18	S103	TS90S6	22000	9000
14.9	451	1.9	117.17	S083	TH80B4	18000	7200
14.9	451	1.9	117.17	S083	TP80B4	18000	7200
14.8	456	1.9	117.17	S083	TS80B4	18000	7200
14.1	482	1.1	81.43	S063	TH90S6	10000	4000
14.1	481	2.8	81.39	S103	TH90S6	22000	9000
13.9	490	1.0	81.43	S063	TS80C6	10000	4000
13.9	490	1.0	81.43	S063	TS90S6	10000	4000
13.9	490	2.8	81.39	S103	TS80C6	22000	9000
13.9	490	2.8	81.39	S103	TS90S6	22000	9000
13.8	486	1.0	126.43	S063	TH80B4	10000	4000
13.8	486	1.0	126.43	S063	TP80B4	10000	4000
13.7	492	1.0	126.43	S063	TS80B4	10000	4000
13.6	495	1.7	128.73	S083	TH80B4	18000	7200
13.6	495	1.7	128.73	S083	TP80B4	18000	7200
13.6	495	2.8	128.73	S103	TH80B4	22000	9000
13.6	495	2.8	128.73	S103	TP80B4	22000	9000
13.4	501	1.7	128.73	S083	TS80B4	18000	7200
13.4	501	2.7	128.73	S103	TS80B4	22000	9000
12.6	541	1.6	91.49	S083	TH90S6	18000	7200
12.4	551	1.5	91.49	S083	TS80C6	18000	7200
12.4	551	1.5	91.49	S083	TS90S6	18000	7200
12.4	543	2.5	141.24	S103	TH80B4	22000	9000
12.4	543	2.5	141.24	S103	TP80B4	22000	9000
12.2	550	2.5	141.24	S103	TS80B4	22000	9000
11.5	592	2.3	100.15	S103	TH90S6	22000	9000
11.3	603	2.3	100.15	S103	TS80C6	22000	9000
11.3	603	2.3	100.15	S103	TS90S6	22000	9000
11.0	611	1.4	158.76	S083	TH80B4	18000	7200

5.2 S GEARED MOTORS (60Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
11.0	611	1.4	158.76	S083	TP80B4	18000	7200
10.9	618	1.4	158.76	S083	TS80B4	18000	7200
10.4	654	2.1	110.55	S103	TH90S6	22000	9000
10.2	665	2.1	110.55	S103	TS80C6	22000	9000
10.2	665	2.1	110.55	S103	TS90S6	22000	9000
10.1	669	2.0	173.78	S103	TH80B4	22000	9000
10.1	669	2.0	173.78	S103	TP80B4	22000	9000
10.0	676	2.0	173.78	S103	TS80B4	22000	9000
9.8	693	1.2	117.17	S083	TH90S6	18000	7200
9.6	705	1.2	117.17	S083	TS80C6	18000	7200
9.6	705	1.2	117.17	S083	TS90S6	18000	7200
9.5	711	1.2	184.88	S083	TH80B4	18000	7200
9.5	711	1.2	184.88	S083	TP80B4	18000	7200
9.4	720	1.2	184.88	S083	TS80B4	18000	7200
9.0	749	3.4	194.59	S123	TH80B4	30000	11200
9.0	749	3.4	194.59	S123	TP80B4	30000	11200
8.9	761	1.1	128.73	S083	TH90S6	18000	7200
8.9	761	1.8	128.73	S103	TH90S6	22000	9000
8.9	757	3.4	194.59	S123	TS80B4	30000	11200
8.8	775	1.1	128.73	S083	TS80C6	18000	7200
8.8	775	1.1	128.73	S083	TS90S6	18000	7200
8.8	775	1.8	128.73	S103	TS80C6	22000	9000
8.8	775	1.8	128.73	S103	TS90S6	22000	9000
8.6	781	1.1	203.11	S083	TH80B4	18000	7200
8.6	781	1.1	203.11	S083	TP80B4	18000	7200
8.6	781	1.7	203.11	S103	TH80B4	22000	9000
8.6	781	1.7	203.11	S103	TP80B4	22000	9000
8.6	791	3.2	133.78	S123	TH90S6	30000	11200
8.5	790	1.1	203.11	S083	TS80B4	18000	7200
8.5	790	1.7	203.11	S103	TS80B4	22000	9000
8.4	805	3.2	133.78	S123	TS80C6	30000	11200
8.4	805	3.2	133.78	S123	TS90S6	30000	11200
8.1	835	1.6	141.24	S103	TH90S6	22000	9000
8.0	850	1.6	141.24	S103	TS80C6	22000	9000
8.0	850	1.6	141.24	S103	TS90S6	22000	9000
7.9	857	1.6	222.85	S103	TH80B4	22000	9000
7.9	857	1.6	222.85	S103	TP80B4	22000	9000
7.8	867	1.6	222.85	S103	TS80B4	22000	9000
7.6	895	2.9	151.43	S123	TH90S6	30000	11200
7.5	911	2.8	151.43	S123	TS80C6	30000	11200
7.5	911	2.8	151.43	S123	TS90S6	30000	11200

5.2 S GEARED MOTORS (60Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
7.3	919	2.8	238.93	S123	TH80B4	30000	11200
7.3	919	2.8	238.93	S123	TP80B4	30000	11200
7.2	930	2.8	238.93	S123	TS80B4	30000	11200
6.6	1028	1.3	173.78	S103	TH90S6	22000	9000
6.5	1046	1.3	173.78	S103	TS80C6	22000	9000
6.5	1046	1.3	173.78	S103	TS90S6	22000	9000
6.5	1050	2.4	177.53	S123	TH90S6	30000	11200
6.4	1055	1.3	274.20	S103	TH80B4	22000	9000
6.4	1055	1.3	274.20	S103	TP80B4	22000	9000
6.4	1068	2.4	177.53	S123	TS80C6	30000	11200
6.4	1068	2.4	177.53	S123	TS90S6	30000	11200
6.3	1067	1.3	274.20	S103	TS80B4	22000	9000
6.2	1078	2.4	280.10	S123	TH80B4	30000	11200
6.2	1078	2.4	280.10	S123	TP80B4	30000	11200
6.2	1090	2.3	280.10	S123	TS80B4	30000	11200
5.9	1151	2.2	194.59	S123	TH90S6	30000	11200
5.8	1171	2.2	194.59	S123	TS80C6	30000	11200
5.8	1171	2.2	194.59	S123	TS90S6	30000	11200
5.8	1159	2.2	301.16	S123	TH80B4	30000	11200
5.8	1159	2.2	301.16	S123	TP80B4	30000	11200
5.7	1201	1.1	203.11	S103	TH90S6	22000	9000
5.7	1172	2.2	301.16	S123	TS80B4	30000	11200
5.6	1222	1.1	203.11	S103	TS80C6	22000	9000
5.6	1222	1.1	203.11	S103	TS90S6	22000	9000
5.5	1234	1.1	320.79	S103	TH80B4	22000	9000
5.5	1234	1.1	320.79	S103	TP80B4	22000	9000
5.4	1248	1.1	320.79	S103	TS80B4	22000	9000
5.2	1318	1.0	222.85	S103	TH90S6	22000	9000
5.1	1341	1.0	222.85	S103	TS80C6	22000	9000
5.1	1341	1.0	222.85	S103	TS90S6	22000	9000
5.1	1330	1.0	345.60	S103	TH80B4	22000	9000
5.1	1330	1.0	345.60	S103	TP80B4	22000	9000
5.1	1323	1.9	343.93	S123	TH80B4	30000	11200
5.1	1323	1.9	343.93	S123	TP80B4	30000	11200
5.0	1345	1.0	345.60	S103	TS80B4	22000	9000
5.0	1339	1.9	343.93	S123	TS80B4	30000	11200
4.8	1413	1.8	238.93	S123	TH90S6	30000	11200
4.7	1438	1.8	238.93	S123	TS80C6	30000	11200
4.7	1438	1.8	238.93	S123	TS90S6	30000	11200
4.1	1656	1.5	280.10	S123	TH90S6	30000	11200
4.0	1686	1.5	280.10	S123	TS80C6	30000	11200

5.2 S GEARED MOTORS (60Hz)

0.75 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
4.0	1686	1.5	280.10	S123	TS90S6	30000	11200
3.8	1812	1.4	301.16	S123	TS80C6	30000	11200
3.8	1781	1.4	301.16	S123	TH90S6	30000	11200
3.8	1812	1.4	301.16	S123	TS90S6	30000	11200
3.3	2034	1.3	343.93	S123	TH90S6	30000	11200
3.3	2070	1.2	343.93	S123	TS90S6	30000	11200
3.3	2070	1.2	343.93	S123	TS80C6	30000	11200

0.92 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
199.4	42	2.9	8.63	S052	TS80C4	3831	3831
154.4	55	2.5	11.14	S052	TS80C4	4118	4118
125.9	67	2.3	13.66	S052	TS80C4	4355	4355
112.6	75	2.3	15.27	S052	TS80C4	4487	4487
105.6	80	2.2	16.29	S052	TS80C4	4564	4564
92.3	91	1.9	18.63	S052	TS80C4	4725	4725
81.8	103	1.8	21.04	S052	TS80C4	4872	4872
74.2	114	3.0	23.18	S062	TS80C4	8991	3597
71.5	118	1.6	24.07	S052	TS80C4	5034	5034
68.4	123	2.8	25.14	S062	TS80C4	9195	3678
66.7	126	1.6	25.79	S052	TS80C4	5116	5116
62.2	136	2.6	27.66	S062	TS80C4	9435	3774
61.9	136	1.5	27.81	S052	TS80C4	5207	5207
57.3	147	1.4	30.00	S052	TS80C4	5296	5296
57.3	147	2.4	30.00	S062	TS80C4	9642	3857
52.8	160	1.6	32.55	S052	TS80C4	5391	5391
47.1	179	1.6	36.55	S052	TS80C4	5524	5524
47.0	179	2.8	36.57	S062	TS80C4	10000	4000
43.7	193	2.6	39.38	S062	TS80C4	10000	4000
43.1	196	1.5	39.90	S052	TS80C4	5621	5621
40.4	209	1.4	42.63	S052	TS80C4	5692	5692
39.4	214	2.4	43.64	S062	TS80C4	10000	4000
37.3	226	2.3	46.10	S062	TS80C4	10000	4000
36.4	231	1.3	47.20	S052	TS80C4	5798	5798
34.2	246	3.4	50.25	S082	TS80C4	18000	6738
32.9	256	1.2	52.25	S052	TS80C4	5898	5898
32.1	262	1.9	53.53	S062	TS80C4	10000	4000
31.7	266	3.2	54.27	S082	TS80C4	18000	6899
31.3	270	1.9	55.00	S062	TS80C4	10000	4000
29.7	284	1.1	57.86	S052	TS80C4	5991	5991

5.2 S GEARED MOTORS (60Hz)

0.92 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
27.8	304	2.8	61.98	S082	TS80C4	18000	7184
25.5	331	1.5	67.47	S062	TS80C4	10000	4000
25.5	324	2.6	67.52	S083	TS80C4	18000	7200
23.2	356	2.4	74.18	S083	TS80C4	18000	7200
21.1	391	1.3	81.43	S063	TS80C4	10000	4000
21.1	391	3.5	81.39	S103	TS80C4	22000	9000
18.8	439	1.9	91.49	S083	TS80C4	18000	7200
17.2	480	1.1	99.89	S063	TS80C4	10000	4000
17.2	481	2.8	100.15	S103	TS80C4	22000	9000
15.6	531	2.6	110.55	S103	TS80C4	22000	9000
14.7	563	1.5	117.17	S083	TS80C4	18000	7200
13.4	618	1.4	128.73	S083	TS80C4	18000	7200
13.4	618	2.2	128.73	S103	TS80C4	22000	9000
12.2	678	2.0	141.24	S103	TS80C4	22000	9000
11.4	727	3.5	151.43	S123	TS80C4	30000	11200
10.8	762	1.1	158.76	S083	TS80C4	18000	7200
9.9	834	1.6	173.78	S103	TS80C4	22000	9000
9.7	852	3.0	177.53	S123	TS80C4	30000	11200
8.8	934	2.7	194.59	S123	TS80C4	30000	11200
8.5	975	1.4	203.11	S103	TS80C4	22000	9000
7.7	1070	1.3	222.85	S103	TS80C4	22000	9000
7.2	1147	2.2	238.93	S123	TS80C4	30000	11200
6.3	1317	1.0	274.20	S103	TS80C4	22000	9000
6.1	1345	1.9	280.10	S123	TS80C4	30000	11200
5.7	1446	1.8	301.16	S123	TS80C4	30000	11200
5.0	1651	1.6	343.93	S123	TS80C4	30000	11200

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
202.9	50	2.5	8.63	S052	TH90S4	3764	3764
202.9	50	2.5	8.63	S052	TP90S4	3764	3764
200.6	50	2.4	8.63	S052	TS80D4	3777	3777
199.4	51	2.4	8.63	S052	TS90S4	3783	3783
157.1	64	2.1	11.14	S052	TH90S4	4037	4037
157.1	64	2.1	11.14	S052	TP90S4	4037	4037
155.3	65	2.1	11.14	S052	TS80D4	4050	4050
154.4	65	2.1	11.14	S052	TS90S4	4056	4056
133.3	76	1.6	8.63	S052	TH90L6	4212	4212
132.2	77	1.6	8.63	S052	TS90L6	4221	4221
128.1	79	1.9	13.66	S052	TH90S4	4260	4260

5.2 S GEARED MOTORS (60Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
128.1	79	1.9	13.66	S052	TP90S4	4260	4260
126.7	80	1.9	13.66	S052	TS80D4	4272	4272
125.9	80	1.9	13.66	S052	TS90S4	4279	4279
114.6	88	2.0	15.27	S052	TH90S4	4383	4383
114.6	88	2.0	15.27	S052	TP90S4	4383	4383
113.3	89	2.0	15.27	S052	TS80D4	4396	4396
112.6	90	1.9	15.27	S052	TS90S4	4402	4402
107.5	94	1.9	16.29	S052	TH90S4	4454	4454
107.5	94	1.9	16.29	S052	TP90S4	4454	4454
106.2	95	1.8	16.29	S052	TS80D4	4467	4467
105.6	95	1.8	16.29	S052	TS90S4	4473	4473
103.2	99	1.4	11.14	S052	TH90L6	4493	4493
102.3	100	1.4	11.14	S052	TS90L6	4502	4502
98.2	104	2.7	11.71	S062	TH90L6	8196	3279
97.4	105	2.7	11.71	S062	TS90L6	8216	3286
93.9	107	1.6	18.63	S052	TH90S4	4602	4602
93.9	107	1.6	18.63	S052	TP90S4	4602	4602
92.9	109	1.6	18.63	S052	TS80D4	4615	4615
92.3	109	1.6	18.63	S052	TS90S4	4621	4621
89.5	113	2.9	19.55	S062	TH90S4	8415	3366
89.5	113	2.9	19.55	S062	TP90S4	8415	3366
88.5	114	2.9	19.55	S062	TS80D4	8441	3377
88.0	115	2.9	19.55	S062	TS90S4	8455	3382
86.1	118	2.6	13.36	S062	TH90L6	8497	3399
85.3	119	2.5	13.36	S062	TS90L6	8517	3407
84.2	121	1.3	13.66	S052	TH90L6	4715	4715
83.5	122	1.2	13.66	S052	TS90L6	4725	4725
83.2	121	1.6	21.04	S052	TH90S4	4735	4735
83.2	121	1.6	21.04	S052	TP90S4	4735	4735
82.2	123	1.5	21.04	S052	TS80D4	4748	4748
81.8	123	1.5	21.04	S052	TS90S4	4754	4754
75.5	134	2.5	23.18	S062	TH90S4	8810	3524
75.5	134	2.5	23.18	S062	TP90S4	8810	3524
75.3	135	1.3	15.27	S052	TH90L6	4836	4836
74.6	136	1.3	15.27	S052	TS90L6	4845	4845
74.6	135	2.5	23.18	S062	TS80D4	8837	3535
74.2	136	2.5	23.18	S062	TS90S4	8850	3540
72.7	139	1.4	24.07	S052	TH90S4	4881	4881
72.7	139	1.4	24.07	S052	TP90S4	4881	4881
72.2	141	2.3	15.94	S062	TH90L6	8907	3563
71.9	140	1.3	24.07	S052	TS80D4	4893	4893

5.2 S GEARED MOTORS (60Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
71.5	141	1.3	24.07	S052	TS90S4	4900	4900
71.5	142	2.3	15.94	S062	TS90L6	8928	3571
70.6	144	1.2	16.29	S052	TH90L6	4904	4904
70.0	146	1.2	16.29	S052	TS90L6	4913	4913
69.6	145	2.4	25.14	S062	TH90S4	9001	3600
69.6	145	2.4	25.14	S062	TP90S4	9001	3600
68.8	147	2.4	25.14	S062	TS80D4	9028	3611
68.4	147	2.3	25.14	S062	TS90S4	9042	3617
67.9	149	1.4	25.79	S052	TH90S4	4955	4955
67.9	149	1.4	25.79	S052	TP90S4	4955	4955
67.1	150	1.4	25.79	S052	TS80D4	4967	4967
66.7	151	1.4	25.79	S052	TS90S4	4973	4973
63.3	159	2.2	27.66	S062	TH90S4	9226	3690
63.3	159	2.2	27.66	S062	TP90S4	9226	3690
62.9	160	1.3	27.81	S052	TH90S4	5034	5034
62.9	160	1.3	27.81	S052	TP90S4	5034	5034
62.6	161	2.1	27.66	S062	TS80D4	9253	3701
62.2	162	1.3	27.81	S052	TS80D4	5046	5046
62.2	162	2.1	27.66	S062	TS90S4	9267	3707
61.9	163	1.3	27.81	S052	TS90S4	5052	5052
61.7	165	1.1	18.63	S052	TH90L6	5044	5044
61.2	166	1.0	18.63	S052	TS90L6	5053	5053
58.8	173	1.9	19.55	S062	TH90L6	9388	3755
58.3	173	1.2	30.00	S052	TH90S4	5111	5111
58.3	173	1.2	30.00	S052	TP90S4	5111	5111
58.3	173	2.1	30.00	S062	TH90S4	9419	3768
58.3	173	2.1	30.00	S062	TP90S4	9419	3768
58.3	175	1.9	19.55	S062	TS90L6	9409	3763
57.7	175	1.2	30.00	S052	TS80D4	5123	5123
57.7	175	2.1	30.00	S062	TS80D4	9446	3778
57.3	176	1.2	30.00	S052	TS90S4	5129	5129
57.3	176	2.0	30.00	S062	TS90S4	9460	3784
54.7	186	1.0	21.04	S052	TH90L6	5166	5166
54.2	188	1.0	21.04	S052	TS90L6	5174	5174
53.8	188	1.4	32.55	S052	TH90S4	5193	5193
53.8	188	1.4	32.55	S052	TP90S4	5193	5193
53.1	190	1.3	32.55	S052	TS80D4	5204	5204
52.8	191	1.3	32.55	S052	TS90S4	5210	5210
49.6	205	1.6	23.18	S062	TH90L6	9790	3916
49.2	207	1.6	23.18	S062	TS90L6	9811	3924
47.9	211	1.3	36.55	S052	TH90S4	5304	5304

5.2 S GEARED MOTORS (60Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
47.9	211	1.3	36.55	S052	TP90S4	5304	5304
47.9	211	2.4	36.57	S062	TH90S4	9889	3956
47.9	211	2.4	36.57	S062	TP90S4	9889	3956
47.9	213	2.7	24.00	S082	TH90L6	18000	6038
47.5	214	2.7	24.00	S082	TS90L6	18000	6054
47.3	213	1.3	36.55	S052	TS80D4	5315	5315
47.3	213	2.4	36.57	S062	TS80D4	9916	3966
47.1	214	1.3	36.55	S052	TS90S4	5320	5320
47.0	214	2.4	36.57	S062	TS90S4	9930	3972
45.7	223	1.6	25.14	S062	TH90L6	9982	3993
45.3	225	1.5	25.14	S062	TS90L6	10000	4000
44.4	227	2.2	39.38	S062	TH90S4	10000	4000
44.4	227	2.2	39.38	S062	TP90S4	10000	4000
43.9	230	1.3	39.90	S052	TH90S4	5384	5384
43.9	230	1.3	39.90	S052	TP90S4	5384	5384
43.9	230	2.2	39.38	S062	TS80D4	10000	4000
43.7	231	2.2	39.38	S062	TS90S4	10000	4000
43.4	233	1.3	39.90	S052	TS80D4	5394	5394
43.1	234	1.3	39.90	S052	TS90S4	5399	5399
42.1	242	2.7	27.29	S082	TH90L6	18000	6280
41.8	244	2.7	27.29	S082	TS90L6	18000	6297
41.6	245	1.4	27.66	S062	TH90L6	10000	4000
41.2	247	1.4	27.66	S062	TS90L6	10000	4000
41.1	246	1.2	42.63	S052	TH90S4	5440	5440
41.1	246	1.2	42.63	S052	TP90S4	5440	5440
40.6	248	1.2	42.63	S052	TS80D4	5450	5450
40.6	248	3.4	43.05	S082	TH90S4	18000	6352
40.6	248	3.4	43.05	S082	TP90S4	18000	6352
40.4	250	1.2	42.63	S052	TS90S4	5455	5455
40.2	251	3.4	43.05	S082	TS80D4	18000	6375
40.1	251	2.0	43.64	S062	TH90S4	10000	4000
40.1	251	2.0	43.64	S062	TP90S4	10000	4000
40.1	254	2.6	28.67	S082	TH90L6	18000	6376
39.9	252	3.4	43.05	S082	TS90S4	18000	6386
39.8	256	2.5	28.67	S082	TS90L6	18000	6393
39.6	254	2.0	43.64	S062	TS80D4	10000	4000
39.4	256	2.0	43.64	S062	TS90S4	10000	4000
38.3	266	1.4	30.00	S062	TH90L6	10000	4000
38.0	266	1.9	46.10	S062	TH90S4	10000	4000
38.0	266	1.9	46.10	S062	TP90S4	10000	4000
38.0	268	1.3	30.00	S062	TS90L6	10000	4000

5.2 S GEARED MOTORS (60Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
37.5	269	1.9	46.10	S062	TS80D4	10000	4000
37.3	270	1.9	46.10	S062	TS90S4	10000	4000
37.1	272	1.1	47.20	S052	TH90S4	5522	5522
37.1	272	1.1	47.20	S052	TP90S4	5522	5522
36.6	275	1.1	47.20	S052	TS80D4	5531	5531
36.4	277	1.1	47.20	S052	TS90S4	5535	5535
36.2	281	3.0	31.78	S082	TH90L6	18000	6578
35.9	284	3.0	31.78	S082	TS90L6	18000	6596
34.8	290	2.9	50.25	S082	TH90S4	18000	6658
34.8	290	2.9	50.25	S082	TP90S4	18000	6658
34.4	293	2.9	50.25	S082	TS80D4	18000	6681
34.2	295	2.9	50.25	S082	TS90S4	18000	6693
32.9	309	2.7	34.91	S082	TH90L6	18000	6768
32.7	308	1.7	53.53	S062	TH90S4	10000	4000
32.7	308	1.7	53.53	S062	TP90S4	10000	4000
32.7	312	2.7	34.91	S082	TS90L6	18000	6786
32.3	312	1.6	53.53	S062	TS80D4	10000	4000
32.2	313	2.7	54.27	S082	TH90S4	18000	6814
32.2	313	2.7	54.27	S082	TP90S4	18000	6814
32.1	314	1.6	53.53	S062	TS90S4	10000	4000
31.9	316	2.7	54.27	S082	TS80D4	18000	6838
31.8	317	1.6	55.00	S062	TH90S4	10000	4000
31.8	317	1.6	55.00	S062	TP90S4	10000	4000
31.7	318	2.7	54.27	S082	TS90S4	18000	6850
31.7	318	3.5	55.14	S102	TH90S4	22000	8460
31.7	318	3.5	55.14	S102	TP90S4	22000	8460
31.5	321	1.6	55.00	S062	TS80D4	10000	4000
31.4	324	1.6	36.57	S062	TH90L6	10000	4000
31.4	321	3.5	55.14	S102	TS80D4	22000	8490
31.3	322	1.6	55.00	S062	TS90S4	10000	4000
31.2	327	1.6	36.57	S062	TS90L6	10000	4000
31.2	323	3.4	55.14	S102	TS90S4	22000	8505
29.2	349	1.5	39.38	S062	TH90L6	10000	4000
29.0	352	1.4	39.38	S062	TS90L6	10000	4000
28.7	355	2.4	40.05	S082	TH90L6	18000	7053
28.5	358	2.4	40.05	S082	TS90L6	18000	7071
28.2	357	2.4	61.98	S082	TH90S4	18000	7091
28.2	357	2.4	61.98	S082	TP90S4	18000	7091
27.9	361	2.4	61.98	S082	TS80D4	18000	7115
27.8	363	2.3	61.98	S082	TS90S4	18000	7128
26.7	381	2.2	43.05	S082	TH90L6	18000	7200

5.2 S GEARED MOTORS (60Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
26.5	385	2.2	43.05	S082	TS90L6	18000	7200
26.4	386	1.3	43.64	S062	TH90L6	10000	4000
26.1	390	1.3	43.64	S062	TS90L6	10000	4000
26.1	390	2.8	44.00	S102	TH90L6	22000	8982
25.9	389	1.3	67.47	S062	TH90S4	10000	4000
25.9	389	1.3	67.47	S062	TP90S4	10000	4000
25.9	381	2.2	67.52	S083	TH90S4	18000	7200
25.9	381	2.2	67.52	S083	TP90S4	18000	7200
25.9	393	2.8	44.00	S102	TS90L6	22000	9000
25.8	391	3.5	67.84	S102	TH90S4	22000	9000
25.8	391	3.5	67.84	S102	TP90S4	22000	9000
25.6	393	1.3	67.47	S062	TS80D4	10000	4000
25.6	385	2.2	67.52	S083	TS80D4	18000	7200
25.5	396	1.3	67.47	S062	TS90S4	10000	4000
25.5	388	2.2	67.52	S083	TS90S4	18000	7200
25.5	395	3.5	67.84	S102	TS80D4	22000	9000
25.4	398	3.4	67.84	S102	TS90S4	22000	9000
24.9	408	1.2	46.10	S062	TH90L6	10000	4000
24.7	412	1.2	46.10	S062	TS90L6	10000	4000
24.4	417	3.3	47.13	S102	TH90L6	22000	9000
24.2	421	3.2	47.13	S102	TS90L6	22000	9000
23.6	419	2.0	74.18	S083	TH90S4	18000	7200
23.6	419	2.0	74.18	S083	TP90S4	18000	7200
23.6	419	3.3	74.18	S103	TH90S4	22000	9000
23.6	419	3.3	74.18	S103	TP90S4	22000	9000
23.3	423	2.0	74.18	S083	TS80D4	18000	7200
23.3	423	3.2	74.18	S103	TS80D4	22000	9000
23.2	426	2.0	74.18	S083	TS90S4	18000	7200
23.2	426	3.2	74.18	S103	TS90S4	22000	9000
22.9	445	1.9	50.25	S082	TH90L6	18000	7200
22.7	449	1.9	50.25	S082	TS90L6	18000	7200
21.5	474	1.1	53.53	S062	TH90L6	10000	4000
21.5	459	1.1	81.43	S063	TH90S4	10000	4000
21.5	459	1.1	81.43	S063	TP90S4	10000	4000
21.5	459	3.0	81.39	S103	TH90S4	22000	9000
21.5	459	3.0	81.39	S103	TP90S4	22000	9000
21.3	478	1.1	53.53	S062	TS90L6	10000	4000
21.3	465	2.9	81.39	S103	TS80D4	22000	9000
21.2	465	1.1	81.43	S063	TS80D4	10000	4000
21.2	481	1.8	54.27	S082	TH90L6	18000	7200
21.1	468	1.1	81.43	S063	TS90S4	10000	4000

5.2 S GEARED MOTORS (60Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
21.1	467	2.9	81.39	S103	TS90S4	22000	9000
21.0	485	1.8	54.27	S082	TS90L6	18000	7200
20.9	487	1.0	55.00	S062	TH90L6	10000	4000
20.9	488	2.3	55.14	S102	TH90L6	22000	9000
20.7	491	1.0	55.00	S062	TS90L6	10000	4000
20.7	493	2.3	55.14	S102	TS90L6	22000	9000
19.4	526	2.6	59.40	S102	TH90L6	22000	9000
19.2	531	2.6	59.40	S102	TS90L6	22000	9000
19.1	516	1.6	91.49	S083	TH90S4	18000	7200
19.1	516	1.6	91.49	S083	TP90S4	18000	7200
18.9	522	1.6	91.49	S083	TS80D4	18000	7200
18.8	525	1.6	91.49	S083	TS90S4	18000	7200
18.6	549	1.5	61.98	S082	TH90L6	18000	7200
18.4	554	1.5	61.98	S082	TS90L6	18000	7200
17.5	565	2.4	100.15	S103	TH90S4	22000	9000
17.5	565	2.4	100.15	S103	TP90S4	22000	9000
17.3	572	2.4	100.15	S103	TS80D4	22000	9000
17.2	575	2.4	100.15	S103	TS90S4	22000	9000
17.0	586	1.5	67.52	S083	TH90L6	18000	7200
17.0	601	2.3	67.84	S102	TH90L6	22000	9000
16.9	591	1.4	67.52	S083	TS90L6	18000	7200
16.8	606	2.3	67.84	S102	TS90L6	22000	9000
15.8	624	2.2	110.55	S103	TH90S4	22000	9000
15.8	624	2.2	110.55	S103	TP90S4	22000	9000
15.6	631	2.2	110.55	S103	TS80D4	22000	9000
15.6	635	2.2	110.55	S103	TS90S4	22000	9000
15.5	643	1.3	74.18	S083	TH90L6	18000	7200
15.5	643	2.1	74.18	S103	TH90L6	22000	9000
15.4	649	1.3	74.18	S083	TS90L6	18000	7200
15.4	649	2.1	74.18	S103	TS90L6	22000	9000
14.9	661	1.3	117.17	S083	TH90S4	18000	7200
14.9	661	1.3	117.17	S083	TP90S4	18000	7200
14.8	669	1.3	117.17	S083	TS80D4	18000	7200
14.7	673	1.3	117.17	S083	TS90S4	18000	7200
14.1	706	1.9	81.39	S103	TH90L6	22000	9000
14.0	712	1.9	81.39	S103	TS90L6	22000	9000
13.9	708	3.6	123.33	S123	TS90S4	30000	11200
13.6	726	1.2	128.73	S083	TH90S4	18000	7200
13.6	726	1.2	128.73	S083	TP90S4	18000	7200
13.6	726	1.9	128.73	S103	TH90S4	22000	9000
13.6	726	1.9	128.73	S103	TP90S4	22000	9000

5.2 S GEARED MOTORS (60Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
13.4	735	1.2	128.73	S083	TS80D4	18000	7200
13.4	739	1.2	128.73	S083	TS90S4	18000	7200
13.4	739	1.8	128.73	S103	TS90S4	22000	9000
13.4	735	1.9	128.73	S103	TS80D4	22000	9000
13.1	755	3.4	133.78	S123	TH90S4	30000	11200
13.1	755	3.4	133.78	S123	TP90S4	30000	11200
12.9	764	3.4	133.78	S123	TS80D4	30000	11200
12.9	768	3.3	133.78	S123	TS90S4	30000	11200
12.6	793	1.1	91.49	S083	TH90L6	18000	7200
12.5	800	1.1	91.49	S083	TS90L6	18000	7200
12.4	797	1.7	141.24	S103	TH90S4	22000	9000
12.4	797	1.7	141.24	S103	TP90S4	22000	9000
12.2	806	1.7	141.24	S103	TS80D4	22000	9000
12.2	811	1.7	141.24	S103	TS90S4	22000	9000
11.6	854	3.0	151.43	S123	TH90S4	30000	11200
11.6	854	3.0	151.43	S123	TP90S4	30000	11200
11.5	869	1.6	100.15	S103	TH90L6	22000	9000
11.4	876	1.6	100.15	S103	TS90L6	22000	9000
11.4	869	2.9	151.43	S123	TS90S4	30000	11200
11.4	864	3.0	151.43	S123	TS80D4	30000	11200
10.4	959	1.4	110.55	S103	TH90L6	22000	9000
10.3	967	1.4	110.55	S103	TS90L6	22000	9000
10.2	976	2.6	112.52	S123	TH90L6	30000	11200
10.1	981	1.4	173.78	S103	TH90S4	22000	9000
10.1	981	1.4	173.78	S103	TP90S4	22000	9000
10.1	984	2.6	112.52	S123	TS90L6	30000	11200
10.0	992	1.4	173.78	S103	TS80D4	22000	9000
9.9	998	1.4	173.78	S103	TS90S4	22000	9000
9.9	1002	2.6	177.53	S123	TH90S4	30000	11200
9.9	1002	2.6	177.53	S123	TP90S4	30000	11200
9.7	1013	2.5	177.53	S123	TS80D4	30000	11200
9.7	1019	2.5	177.53	S123	TS90S4	30000	11200
9.3	1070	2.4	123.33	S123	TH90L6	30000	11200
9.2	1079	2.4	123.33	S123	TS90L6	30000	11200
9.0	1098	2.3	194.59	S123	TH90S4	30000	11200
9.0	1098	2.3	194.59	S123	TP90S4	30000	11200
8.9	1116	1.2	128.73	S103	TH90L6	22000	9000
8.9	1126	1.2	128.73	S103	TS90L6	22000	9000
8.9	1111	2.3	194.59	S123	TS80D4	30000	11200
8.8	1117	2.3	194.59	S123	TS90S4	30000	11200
8.6	1146	1.2	203.11	S103	TH90S4	22000	9000

5.2 S GEARED MOTORS (60Hz)

1.10 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
8.6	1146	1.2	203.11	S103	TP90S4	22000	9000
8.6	1160	2.2	133.78	S123	TH90L6	30000	11200
8.5	1159	1.2	203.11	S103	TS80D4	22000	9000
8.5	1166	1.2	203.11	S103	TS90S4	22000	9000
8.5	1170	2.2	133.78	S123	TS90L6	30000	11200
8.1	1225	1.1	141.24	S103	TH90L6	22000	9000
8.1	1236	1.1	141.24	S103	TS90L6	22000	9000
7.9	1257	1.1	222.85	S103	TH90S4	22000	9000
7.9	1257	1.1	222.85	S103	TP90S4	22000	9000
7.8	1272	1.1	222.85	S103	TS80D4	22000	9000
7.7	1279	1.1	222.85	S103	TS90S4	22000	9000
7.6	1313	1.9	151.43	S123	TH90L6	30000	11200
7.5	1325	1.9	151.43	S123	TS90L6	30000	11200
7.3	1348	1.9	238.93	S123	TH90S4	30000	11200
7.3	1348	1.9	238.93	S123	TP90S4	30000	11200
7.2	1364	1.9	238.93	S123	TS80D4	30000	11200
7.2	1372	1.9	238.93	S123	TS90S4	30000	11200
6.5	1540	1.7	177.53	S123	TH90L6	30000	11200
6.4	1553	1.7	177.53	S123	TS90L6	30000	11200
6.2	1599	1.6	280.10	S123	TS80D4	30000	11200
6.2	1581	1.6	280.10	S123	TH90S4	30000	11200
6.2	1581	1.6	280.10	S123	TP90S4	30000	11200
6.1	1608	1.6	280.10	S123	TS90S4	30000	11200
5.9	1688	1.5	194.59	S123	TH90L6	30000	11200
5.9	1702	1.5	194.59	S123	TS90L6	30000	11200
5.8	1699	1.5	301.16	S123	TH90S4	30000	11200
5.8	1699	1.5	301.16	S123	TP90S4	30000	11200
5.7	1719	1.5	301.16	S123	TS80D4	30000	11200
5.7	1729	1.5	301.16	S123	TS90S4	30000	11200
5.1	1941	1.3	343.93	S123	TP90S4	30000	11200
5.1	1941	1.3	343.93	S123	TH90S4	30000	11200
5.0	1975	1.3	343.93	S123	TS90S4	30000	11200
5.0	1963	1.3	343.93	S123	TS80D4	30000	11200
4.8	2072	1.2	238.93	S123	TH90L6	30000	11200
4.8	2090	1.2	238.93	S123	TS90L6	30000	11200
4.1	2429	1.1	280.10	S123	TH90L6	30000	11200
4.1	2450	1.0	280.10	S123	TS90L6	30000	11200

5.2 S GEARED MOTORS (60Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
202.9	68	1.8	8.63	S052	TP90L4	3659	3659
201.7	68	1.8	8.63	S052	TH90L4	3665	3665
199.4	69	1.8	8.63	S052	TS90LA4	3676	3676
157.1	88	1.6	11.14	S052	TP90L4	3902	3902
156.2	88	1.6	11.14	S052	TH90L4	3907	3907
154.4	89	1.5	11.14	S052	TS90LA4	3918	3918
149.5	92	3.1	11.71	S062	TP90L4	7125	2850
148.6	93	3.0	11.71	S062	TH90L4	7136	2855
146.9	94	3.0	11.71	S062	TS90LA4	7159	2864
143.8	97	2.5	8.00	S062	TH100L6	7195	2878
143.8	97	2.5	8.00	S062	TS100LA6	7195	2878
133.3	104	1.2	8.63	S052	TH100L6	4050	4050
133.3	104	1.2	8.63	S052	TS100LA6	4050	4050
131.0	105	2.9	13.36	S062	TP90L4	7385	2954
130.3	106	2.9	13.36	S062	TH90L4	7397	2959
128.8	107	2.8	13.36	S062	TS90LA4	7420	2968
128.1	107	1.4	13.66	S052	TP90L4	4094	4094
127.4	108	1.4	13.66	S052	TH90L4	4099	4099
125.9	109	1.4	13.66	S052	TS90LA4	4110	4110
120.5	115	2.3	9.55	S062	TH100L6	7546	3018
120.5	115	2.3	9.55	S062	TS100LA6	7546	3018
114.6	120	1.4	15.27	S052	TP90L4	4197	4197
113.9	121	1.4	15.27	S052	TH90L4	4202	4202
112.6	122	1.4	15.27	S052	TS90LA4	4213	4213
109.8	125	2.6	15.94	S062	TP90L4	7740	3096
109.2	126	2.6	15.94	S062	TH90L4	7752	3101
107.9	127	2.5	15.94	S062	TS90LA4	7775	3110
107.5	128	1.4	16.29	S052	TP90L4	4256	4256
106.8	129	1.4	16.29	S052	TH90L4	4261	4261
105.6	130	1.3	16.29	S052	TS90LA4	4271	4271
103.2	135	1.0	11.14	S052	TH100L6	4284	4284
103.2	135	1.0	11.14	S052	TS100LA6	4284	4284
98.2	141	2.0	11.71	S062	TH100L6	7957	3183
98.2	141	2.0	11.71	S062	TS100LA6	7957	3183
93.9	146	1.2	18.63	S052	TP90L4	4376	4376
93.4	147	1.2	18.63	S052	TH90L4	4381	4381
92.3	149	1.2	18.63	S052	TS90LA4	4391	4391
89.5	154	2.2	19.55	S062	TP90L4	8155	3262
89.0	155	2.1	19.55	S062	TH90L4	8167	3267
88.0	156	2.1	19.55	S062	TS90LA4	8190	3276
86.1	161	1.9	13.36	S062	TH100L6	8224	3290

5.2 S GEARED MOTORS (60Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
86.1	161	1.9	13.36	S062	TS100LA6	8224	3290
83.2	165	1.1	21.04	S052	TP90L4	4479	4479
82.7	166	1.1	21.04	S052	TH90L4	4484	4484
81.8	168	1.1	21.04	S052	TS90LA4	4494	4494
75.5	182	1.9	23.18	S062	TP90L4	8502	3401
75.1	183	1.8	23.18	S062	TH90L4	8514	3405
74.2	185	1.8	23.18	S062	TS90LA4	8537	3415
72.9	189	3.0	24.00	S082	TP90L4	18000	5253
72.5	190	3.0	24.00	S082	TH90L4	18000	5262
72.2	192	1.7	15.94	S062	TH100L6	8582	3433
72.2	192	1.7	15.94	S062	TS100LA6	8582	3433
71.7	192	3.0	24.00	S082	TS90LA4	18000	5281
69.6	198	1.8	25.14	S062	TP90L4	8667	3467
69.2	199	1.7	25.14	S062	TH90L4	8679	3471
68.4	201	1.7	25.14	S062	TS90LA4	8702	3481
67.9	203	1.0	25.79	S052	TP90L4	4641	4641
67.5	204	1.0	25.79	S052	TH90L4	4645	4645
66.7	206	1.0	25.79	S052	TS90LA4	4653	4653
66.5	209	2.7	17.29	S082	TH100L6	18000	5402
66.5	209	2.7	17.29	S082	TS100LA6	18000	5402
64.1	214	3.0	27.29	S082	TP90L4	18000	5464
63.8	216	3.0	27.29	S082	TH90L4	18000	5473
63.3	217	1.6	27.66	S062	TP90L4	8859	3543
63.0	218	3.0	27.29	S082	TS90LA4	18000	5493
62.9	219	1.6	27.66	S062	TH90L4	8870	3548
62.2	221	1.6	27.66	S062	TS90LA4	8893	3557
61.0	225	2.9	28.67	S082	TP90L4	18000	5547
60.7	227	2.9	28.67	S082	TH90L4	18000	5557
60.0	229	2.8	28.67	S082	TS90LA4	18000	5576
58.8	236	1.4	19.55	S062	TH100L6	8989	3596
58.8	236	1.4	19.55	S062	TS100LA6	8989	3596
58.3	236	1.5	30.00	S062	TP90L4	9020	3608
58.0	237	1.5	30.00	S062	TH90L4	9032	3613
57.3	240	1.5	30.00	S062	TS90LA4	9054	3622
57.1	243	2.3	20.14	S082	TH100L6	18000	5658
57.1	243	2.3	20.14	S082	TS100LA6	18000	5658
55.1	250	3.4	31.78	S082	TP90L4	18000	5723
54.8	251	3.4	31.78	S082	TH90L4	18000	5733
54.1	254	3.3	31.78	S082	TS90LA4	18000	5753
53.8	256	1.0	32.55	S052	TP90L4	4797	4797
52.0	267	2.2	22.13	S082	TH100L6	18000	5821

5.2 S GEARED MOTORS (60Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
52.0	267	2.2	22.13	S082	TS100LA6	18000	5821
50.1	274	3.1	34.91	S082	TP90L4	18000	5887
49.8	276	3.1	34.91	S082	TH90L4	18000	5898
49.6	280	1.2	23.18	S062	TH100L6	9317	3727
49.6	280	1.2	23.18	S062	TS100LA6	9317	3727
49.3	279	3.0	34.91	S082	TS90LA4	18000	5918
47.9	287	1.8	36.57	S062	TP90L4	9403	3761
47.9	290	2.0	24.00	S082	TH100L6	18000	5965
47.9	290	2.0	24.00	S082	TS100LA6	18000	5965
47.6	289	1.8	36.57	S062	TH90L4	9414	3766
47.0	292	1.7	36.57	S062	TS90LA4	9436	3774
45.7	304	1.1	25.14	S062	TH100L6	9469	3787
45.7	304	1.1	25.14	S062	TS100LA6	9469	3787
44.4	309	1.6	39.38	S062	TP90L4	9541	3816
44.2	311	1.6	39.38	S062	TH90L4	9551	3820
43.7	315	1.6	39.38	S062	TS90LA4	9572	3829
43.7	315	2.7	40.05	S082	TP90L4	18000	6135
43.4	317	2.7	40.05	S082	TH90L4	18000	6145
42.9	320	2.7	40.05	S082	TS90LA4	18000	6166
42.1	330	2.0	27.29	S082	TH100L6	18000	6198
42.1	330	2.0	27.29	S082	TS100LA6	18000	6198
41.6	334	1.0	27.66	S062	TH100L6	9640	3856
41.6	334	1.0	27.66	S062	TS100LA6	9640	3856
40.6	338	2.5	43.05	S082	TP90L4	18000	6268
40.4	340	2.5	43.05	S082	TH90L4	18000	6278
40.1	343	1.5	43.64	S062	TP90L4	9725	3890
40.1	346	1.9	28.67	S082	TH100L6	18000	6289
40.1	346	1.9	28.67	S082	TS100LA6	18000	6289
39.9	345	1.5	43.64	S062	TH90L4	9735	3894
39.9	344	2.5	43.05	S082	TS90LA4	18000	6300
39.8	346	3.2	44.00	S102	TP90L4	22000	7815
39.5	348	3.2	44.00	S102	TH90L4	22000	7829
39.4	349	1.5	43.64	S062	TS90LA4	9755	3902
39.1	352	3.2	44.00	S102	TS90LA4	22000	7857
38.0	362	1.4	46.10	S062	TP90L4	9820	3928
37.7	364	1.4	46.10	S062	TH90L4	9830	3932
37.3	369	1.4	46.10	S062	TS90LA4	9849	3940
36.5	377	3.6	47.13	S102	TS90LA4	22000	8024
36.2	384	2.2	31.78	S082	TH100L6	18000	6482
36.2	384	2.2	31.78	S082	TS100LA6	18000	6482
35.5	391	3.3	32.40	S102	TH100L6	22000	8090

5.2 S GEARED MOTORS (60Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
35.5	391	3.3	32.40	S102	TS100LA6	22000	8090
34.8	395	2.2	50.25	S082	TP90L4	18000	6559
34.6	397	2.1	50.25	S082	TH90L4	18000	6570
34.2	402	2.1	50.25	S082	TS90LA4	18000	6592
32.9	422	2.0	34.91	S082	TH100L6	18000	6662
32.9	422	2.0	34.91	S082	TS100LA6	18000	6662
32.9	422	2.8	34.91	S102	TH100L6	22000	8276
32.9	422	2.8	34.91	S102	TS100LA6	22000	8276
32.7	421	1.2	53.53	S062	TP90L4	10000	4000
32.5	423	1.2	53.53	S062	TH90L4	10000	4000
32.2	426	2.0	54.27	S082	TP90L4	18000	6708
32.1	428	1.2	53.53	S062	TS90LA4	10000	4000
32.1	429	2.0	54.27	S082	TH90L4	18000	6719
31.8	432	1.2	55.00	S062	TP90L4	10000	4000
31.7	434	2.0	54.27	S082	TS90LA4	18000	6741
31.7	433	2.6	55.14	S102	TP90L4	22000	8374
31.6	435	1.2	55.00	S062	TH90L4	10000	4000
31.6	436	2.5	55.14	S102	TH90L4	22000	8388
31.4	442	1.2	36.57	S062	TH100L6	10000	4000
31.4	442	1.2	36.57	S062	TS100LA6	10000	4000
31.3	440	1.2	55.00	S062	TS90LA4	10000	4000
31.2	441	2.5	55.14	S102	TS90LA4	22000	8418
30.0	463	2.8	38.30	S102	TH100L6	22000	8513
30.0	463	2.8	38.30	S102	TS100LA6	22000	8513
29.5	467	2.9	59.40	S102	TP90L4	22000	8565
29.3	469	2.9	59.40	S102	TH90L4	22000	8580
29.2	476	1.1	39.38	S062	TH100L6	10000	4000
29.2	476	1.1	39.38	S062	TS100LA6	10000	4000
29.0	475	2.9	59.40	S102	TS90LA4	22000	8610
28.7	484	1.8	40.05	S082	TH100L6	18000	6931
28.7	484	1.8	40.05	S082	TS100LA6	18000	6931
28.2	487	1.7	61.98	S082	TP90L4	18000	6969
28.1	490	1.7	61.98	S082	TH90L4	18000	6981
27.8	496	1.7	61.98	S082	TS90LA4	18000	7004
26.7	520	1.6	43.05	S082	TH100L6	18000	7076
26.7	520	1.6	43.05	S082	TS100LA6	18000	7076
26.1	531	2.1	44.00	S102	TH100L6	22000	8877
26.1	531	2.1	44.00	S102	TS100LA6	22000	8877
25.9	520	1.6	67.52	S083	TP90L4	18000	7152
25.8	523	1.6	67.52	S083	TH90L4	18000	7163
25.8	533	2.6	67.84	S102	TP90L4	22000	8916

5.2 S GEARED MOTORS (60Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
25.6	536	2.5	67.84	S102	TH90L4	22000	8931
25.5	529	1.6	67.52	S083	TS90LA4	18000	7187
25.4	542	2.5	67.84	S102	TS90LA4	22000	8962
24.4	569	2.4	47.13	S102	TH100L6	22000	9000
24.4	569	2.4	47.13	S102	TS100LA6	22000	9000
23.6	571	1.5	74.18	S083	TP90L4	18000	7200
23.6	571	2.4	74.18	S103	TP90L4	22000	9000
23.5	574	1.5	74.18	S083	TH90L4	18000	7200
23.5	574	2.4	74.18	S103	TH90L4	22000	9000
23.2	581	1.5	74.18	S083	TS90LA4	18000	7200
23.2	581	2.4	74.18	S103	TS90LA4	22000	9000
22.9	607	1.4	50.25	S082	TH100L6	18000	7200
22.9	607	1.4	50.25	S082	TS100LA6	18000	7200
21.5	626	2.2	81.39	S103	TP90L4	22000	9000
21.4	630	2.2	81.39	S103	TH90L4	22000	9000
21.2	655	1.3	54.27	S082	TH100L6	18000	7200
21.2	655	1.3	54.27	S082	TS100LA6	18000	7200
21.1	637	2.1	81.39	S103	TS90LA4	22000	9000
20.9	666	1.7	55.14	S102	TH100L6	22000	9000
20.9	666	1.7	55.14	S102	TS100LA6	22000	9000
19.4	717	1.9	59.40	S102	TH100L6	22000	9000
19.4	717	1.9	59.40	S102	TS100LA6	22000	9000
19.1	704	1.2	91.49	S083	TP90L4	18000	7200
19.0	708	1.2	91.49	S083	TH90L4	18000	7200
18.8	716	1.2	91.49	S083	TS90LA4	18000	7200
18.6	749	1.1	61.98	S082	TH100L6	18000	7200
18.6	749	1.1	61.98	S082	TS100LA6	18000	7200
17.5	771	1.8	100.15	S103	TP90L4	22000	9000
17.4	775	1.8	100.15	S103	TH90L4	22000	9000
17.4	797	3.2	66.00	S122	TH100L6	30000	11200
17.4	797	3.2	66.00	S122	TS100LA6	30000	11200
17.2	784	1.7	100.15	S103	TS90LA4	22000	9000
17.0	799	1.1	67.52	S083	TH100L6	18000	7200
17.0	799	1.1	67.52	S083	TS100LA6	18000	7200
17.0	819	1.7	67.84	S102	TH100L6	22000	9000
17.0	819	1.7	67.84	S102	TS100LA6	22000	9000
16.2	840	2.7	71.07	S123	TH100L6	30000	11200
16.2	840	2.7	71.07	S123	TS100LA6	30000	11200
15.8	851	1.6	110.55	S103	TP90L4	22000	9000
15.7	855	1.6	110.55	S103	TH90L4	22000	9000
15.6	865	1.6	110.55	S103	TS90LA4	22000	9000

5.2 S GEARED MOTORS (60Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
15.6	866	3.0	112.52	S123	TP90L4	30000	11200
15.5	877	1.6	74.18	S103	TH100L6	22000	9000
15.5	877	1.6	74.18	S103	TS100LA6	22000	9000
15.5	871	2.9	112.52	S123	TH90L4	30000	11200
15.3	881	2.9	112.52	S123	TS90LA4	30000	11200
14.2	949	2.7	123.33	S123	TP90L4	30000	11200
14.1	963	1.4	81.39	S103	TH100L6	22000	9000
14.1	963	1.4	81.39	S103	TS100LA6	22000	9000
14.1	954	2.7	123.33	S123	TH90L4	30000	11200
13.9	965	2.7	123.33	S123	TS90LA4	30000	11200
13.6	991	1.4	128.73	S103	TP90L4	22000	9000
13.5	996	1.4	128.73	S103	TH90L4	22000	9000
13.4	1008	1.4	128.73	S103	TS90LA4	22000	9000
13.2	1032	2.5	87.27	S123	TH100L6	30000	11200
13.2	1032	2.5	87.27	S123	TS100LA6	30000	11200
13.1	1029	2.5	133.78	S123	TP90L4	30000	11200
13.0	1035	2.5	133.78	S123	TH90L4	30000	11200
12.9	1047	2.4	133.78	S123	TS90LA4	30000	11200
12.4	1087	1.3	141.24	S103	TP90L4	22000	9000
12.3	1093	1.2	141.24	S103	TH90L4	22000	9000
12.2	1106	1.2	141.24	S103	TS90LA4	22000	9000
11.6	1165	2.2	151.43	S123	TP90L4	30000	11200
11.5	1184	1.2	100.15	S103	TH100L6	22000	9000
11.5	1184	1.2	100.15	S103	TS100LA6	22000	9000
11.5	1172	2.2	151.43	S123	TH90L4	30000	11200
11.4	1186	2.2	151.43	S123	TS90LA4	30000	11200
10.4	1307	1.0	110.55	S103	TH100L6	22000	9000
10.4	1307	1.0	110.55	S103	TS100LA6	22000	9000
10.2	1331	1.9	112.52	S123	TH100L6	30000	11200
10.2	1331	1.9	112.52	S123	TS100LA6	30000	11200
10.1	1337	1.0	173.78	S103	TP90L4	22000	9000
10.0	1345	1.0	173.78	S103	TH90L4	22000	9000
9.9	1360	1.0	173.78	S103	TS90LA4	22000	9000
9.9	1366	1.9	177.53	S123	TP90L4	30000	11200
9.8	1374	1.9	177.53	S123	TH90L4	30000	11200
9.7	1390	1.8	177.53	S123	TS90LA4	30000	11200
9.3	1458	1.8	123.33	S123	TH100L6	30000	11200
9.3	1458	1.8	123.33	S123	TS100LA6	30000	11200
9.0	1497	1.7	194.59	S123	TP90L4	30000	11200
8.9	1506	1.7	194.59	S123	TH90L4	30000	11200
8.8	1523	1.7	194.59	S123	TS90LA4	30000	11200

5.2 S GEARED MOTORS (60Hz)

1.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
8.6	1582	1.6	133.78	S123	TH100L6	30000	11200
8.6	1582	1.6	133.78	S123	TS100LA6	30000	11200
7.6	1791	1.4	151.43	S123	TH100L6	30000	11200
7.6	1791	1.4	151.43	S123	TS100LA6	30000	11200
7.3	1849	1.4	238.93	S123	TH90L4	30000	11200
7.3	1838	1.4	238.93	S123	TP90L4	30000	11200
7.2	1871	1.4	238.93	S123	TS90LA4	30000	11200
6.5	2099	1.2	177.53	S123	TH100L6	30000	11200
6.5	2099	1.2	177.53	S123	TS100LA6	30000	11200
6.2	2168	1.2	280.10	S123	TH90L4	30000	11200
6.2	2155	1.2	280.10	S123	TP90L4	30000	11200
6.1	2193	1.2	280.10	S123	TS90LA4	30000	11200
5.9	2301	1.1	194.59	S123	TH100L6	30000	11200
5.9	2301	1.1	194.59	S123	TS100LA6	30000	11200
5.8	2331	1.1	301.16	S123	TH90L4	30000	11200
5.8	2317	1.1	301.16	S123	TP90L4	30000	11200
5.7	2358	1.1	301.16	S123	TS90LA4	30000	11200

1.85 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
215.0	79	3.0	8.00	S062	TS90LB4	6337	2535
199.4	85	1.4	8.63	S052	TS90LB4	3582	3582
180.2	94	2.8	9.55	S062	TS90LB4	6650	2660
154.4	110	1.2	11.14	S052	TS90LB4	3797	3797
146.9	115	2.4	11.71	S062	TS90LB4	7021	2808
142.5	120	2.0	8.00	S062	TS100LB6	7068	2827
128.8	132	2.3	13.36	S062	TS90LB4	7262	2905
125.9	135	1.1	13.66	S052	TS90LB4	3962	3962
119.4	143	1.8	9.55	S062	TS100LB6	7391	2957
112.6	151	1.2	15.27	S052	TS90LB4	4047	4047
107.9	157	2.1	15.94	S062	TS90LB4	7586	3035
105.6	161	1.1	16.29	S052	TS90LB4	4095	4095
97.4	176	1.6	11.71	S062	TS100LB6	7764	3106
88.0	193	1.7	19.55	S062	TS90LB4	7959	3184
85.4	199	2.8	20.14	S082	TS90LB4	17387	4968
85.3	201	1.5	13.36	S062	TS100LB6	8001	3201
77.7	218	2.6	22.13	S082	TS90LB4	17891	5112
74.2	229	1.5	23.18	S062	TS90LB4	8263	3305
71.7	237	2.4	24.00	S082	TS90LB4	18000	5239
71.5	239	1.4	15.94	S062	TS100LB6	8312	3325

5.2 S GEARED MOTORS (60Hz)

1.85 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
68.4	248	1.4	25.14	S062	TS90LB4	8405	3362
65.9	260	2.1	17.29	S082	TS100LB6	18000	5370
63.0	269	2.4	27.29	S082	TS90LB4	18000	5445
62.2	273	1.3	27.66	S062	TS90LB4	8566	3426
60.0	283	2.3	28.67	S082	TS90LB4	18000	5526
58.3	294	1.1	19.55	S062	TS100LB6	8654	3462
57.3	296	1.2	30.00	S062	TS90LB4	8700	3480
56.6	303	1.8	20.14	S082	TS100LB6	18000	5619
54.1	313	2.7	31.78	S082	TS90LB4	18000	5697
51.5	332	1.7	22.13	S082	TS100LB6	18000	5777
49.3	344	2.5	34.91	S082	TS90LB4	18000	5857
49.3	344	3.5	34.91	S102	TS90LB4	22000	7265
47.5	361	1.6	24.00	S082	TS100LB6	18000	5917
47.0	361	1.4	36.57	S062	TS90LB4	9003	3601
44.9	378	3.4	38.30	S102	TS90LB4	22000	7474
43.7	388	1.3	39.38	S062	TS90LB4	9107	3643
43.3	396	2.7	26.33	S102	TS100LB6	22000	7555
42.9	395	2.2	40.05	S082	TS90LB4	18000	6096
41.8	410	1.6	27.29	S082	TS100LB6	18000	6141
39.9	425	2.0	43.05	S082	TS90LB4	18000	6224
39.8	431	1.5	28.67	S082	TS100LB6	18000	6229
39.4	430	1.2	43.64	S062	TS90LB4	9239	3696
39.1	434	2.6	44.00	S102	TS90LB4	22000	7796
38.2	449	2.4	29.87	S102	TS100LB6	22000	7849
37.3	455	1.1	46.10	S062	TS90LB4	9304	3722
36.5	465	2.9	47.13	S102	TS90LB4	22000	7959
35.9	477	1.8	31.78	S082	TS100LB6	18000	6414
35.2	487	2.6	32.40	S102	TS100LB6	22000	8043
34.2	496	1.7	50.25	S082	TS90LB4	18000	6504
32.7	525	1.6	34.91	S082	TS100LB6	18000	6586
32.7	525	2.3	34.91	S102	TS100LB6	22000	8225
31.7	535	1.6	54.27	S082	TS90LB4	18000	6646
31.2	544	2.0	55.14	S102	TS90LB4	22000	8342
29.8	576	2.2	38.30	S102	TS100LB6	22000	8455
29.0	586	2.3	59.40	S102	TS90LB4	22000	8528
28.5	602	1.4	40.05	S082	TS100LB6	18000	6842
27.8	611	1.4	61.98	S082	TS90LB4	18000	6895
26.5	647	1.3	43.05	S082	TS100LB6	18000	6978
25.9	661	1.7	44.00	S102	TS100LB6	22000	8807
25.5	652	1.3	67.52	S083	TS90LB4	18000	7071
25.4	669	2.0	67.84	S102	TS90LB4	22000	8868

5.2 S GEARED MOTORS (60Hz)

1.85 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
24.2	708	1.9	47.13	S102	TS100LB6	22000	8985
23.2	716	1.2	74.18	S083	TS90LB4	18000	7200
23.2	716	1.9	74.18	S103	TS90LB4	22000	9000
23.2	737	2.8	49.04	S122	TS100LB6	30000	11200
22.7	755	1.1	50.25	S082	TS100LB6	18000	7200
21.2	808	2.7	53.75	S122	TS100LB6	30000	11200
21.1	786	1.7	81.39	S103	TS90LB4	22000	9000
21.0	815	1.0	54.27	S082	TS100LB6	18000	7200
20.7	829	1.3	55.14	S102	TS100LB6	22000	9000
19.2	893	1.5	59.40	S102	TS100LB6	22000	9000
17.3	992	2.6	66.00	S122	TS100LB6	30000	11200
17.2	967	1.4	100.15	S103	TS90LB4	22000	9000
16.8	1019	1.3	67.84	S102	TS100LB6	22000	9000
16.0	1046	2.2	71.07	S123	TS100LB6	30000	11200
15.6	1067	1.3	110.55	S103	TS90LB4	22000	9000
15.4	1091	1.3	74.18	S103	TS100LB6	22000	9000
15.3	1086	2.4	112.52	S123	TS90LB4	30000	11200
14.0	1198	1.1	81.39	S103	TS100LB6	22000	9000
13.9	1191	2.1	123.33	S123	TS90LB4	30000	11200
13.4	1243	1.1	128.73	S103	TS90LB4	22000	9000
13.1	1284	2.0	87.27	S123	TS100LB6	30000	11200
12.9	1292	2.0	133.78	S123	TS90LB4	30000	11200
12.2	1364	1.0	141.24	S103	TS90LB4	22000	9000
11.4	1462	1.8	151.43	S123	TS90LB4	30000	11200
10.1	1656	1.5	112.52	S123	TS100LB6	30000	11200
9.7	1714	1.5	177.53	S123	TS90LB4	30000	11200
9.2	1815	1.4	123.33	S123	TS100LB6	30000	11200
8.8	1879	1.4	194.59	S123	TS90LB4	30000	11200
8.5	1968	1.3	133.78	S123	TS100LB6	30000	11200
7.5	2228	1.1	151.43	S123	TS100LB6	30000	11200
7.2	2307	1.1	238.93	S123	TS90LB4	30000	11200

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
221.3	91	2.6	8.00	S062	TP112MR4	6194	2478
217.5	93	2.6	8.00	S062	TH100LA4	6223	2489
217.5	93	2.6	8.00	S062	TS100LA4	6223	2489
205.2	98	1.3	8.63	S052	TP112MR4	3467	3467
201.7	100	1.2	8.63	S052	TH100LA4	3480	3480
201.7	100	1.2	8.63	S052	TS100LA4	3480	3480

5.2 S GEARED MOTORS (60Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
185.4	109	2.4	9.55	S062	TP112MR4	6489	2596
182.3	111	2.3	9.55	S062	TH100LA4	6518	2607
182.3	111	2.3	9.55	S062	TS100LA4	6518	2607
158.9	127	1.1	11.14	S052	TP112MR4	3656	3656
156.2	129	1.1	11.14	S052	TH100LA4	3669	3669
156.2	129	1.1	11.14	S052	TS100LA4	3669	3669
151.2	133	2.1	11.71	S062	TP112MR4	6834	2733
148.6	136	2.1	11.71	S062	TS100LA4	6863	2745
148.6	136	2.1	11.71	S062	TH100LA4	6863	2745
146.3	139	1.7	8.00	S062	TH112M6	6881	2752
145.0	140	1.7	8.00	S062	TS112MA6	6895	2758
132.5	152	2.0	13.36	S062	TP112MR4	7056	2822
130.3	155	2.0	13.36	S062	TH100LA4	7084	2834
130.3	155	2.0	13.36	S062	TS100LA4	7084	2834
122.6	166	1.6	9.55	S062	TH112M6	7176	2870
121.5	168	1.6	9.55	S062	TS112MA6	7190	2876
117.7	173	2.7	9.94	S082	TH112M6	15661	4474
116.7	175	2.7	9.94	S082	TS112MA6	15702	4486
111.1	182	1.8	15.94	S062	TP112MR4	7351	2940
109.2	185	1.8	15.94	S062	TH100LA4	7379	2952
109.2	185	1.8	15.94	S062	TS100LA4	7379	2952
102.3	197	2.8	17.29	S082	TP112MR4	16347	4670
100.8	202	2.5	11.61	S082	TH112M6	16415	4690
100.6	200	2.8	17.29	S082	TH100LA4	16432	4695
100.6	200	2.8	17.29	S082	TS100LA4	16432	4695
100.0	204	2.5	11.61	S082	TS112MA6	16458	4702
99.9	204	1.4	11.71	S062	TH112M6	7511	3005
99.1	206	1.4	11.71	S062	TS112MA6	7525	3010
91.8	222	2.4	12.75	S082	TH112M6	16888	4825
91.0	224	2.4	12.75	S082	TS112MA6	16931	4838
90.5	223	1.5	19.55	S062	TP112MR4	7683	3073
89.0	227	1.5	19.55	S062	TH100LA4	7710	3084
89.0	227	1.5	19.55	S062	TS100LA4	7710	3084
87.9	229	2.4	20.14	S082	TP112MR4	17116	4890
87.6	233	1.3	13.36	S062	TH112M6	7720	3088
86.8	235	1.3	13.36	S062	TS112MA6	7734	3094
86.4	233	2.4	20.14	S082	TH100LA4	17204	4915
86.4	233	2.4	20.14	S082	TS100LA4	17204	4915
80.0	252	2.3	22.13	S082	TP112MR4	17605	5030
78.6	256	2.2	22.13	S082	TH100LA4	17695	5056
78.6	256	2.2	22.13	S082	TS100LA4	17695	5056

5.2 S GEARED MOTORS (60Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
76.4	264	1.3	23.18	S062	TP112MR4	7946	3179
75.1	269	1.3	23.18	S062	TH100LA4	7972	3189
75.1	269	1.3	23.18	S062	TS100LA4	7972	3189
73.8	273	2.1	24.00	S082	TP112MR4	18000	5153
73.4	277	1.2	15.94	S062	TH112M6	7988	3195
72.8	280	1.2	15.94	S062	TS112MA6	8000	3200
72.5	278	2.1	24.00	S082	TH100LA4	18000	5179
72.5	278	2.1	24.00	S082	TS100LA4	18000	5179
70.4	287	1.2	25.14	S062	TP112MR4	8066	3226
69.2	291	1.2	25.14	S062	TH100LA4	8091	3236
69.2	291	1.2	25.14	S062	TS100LA4	8091	3236
67.7	301	1.8	17.29	S082	TH112M6	18000	5284
67.1	304	1.8	17.29	S082	TS112MA6	18000	5297
64.9	311	2.1	27.29	S082	TP112MR4	18000	5352
64.0	315	1.1	27.66	S062	TP112MR4	8200	3280
63.8	316	2.1	27.29	S082	TH100LA4	18000	5379
63.8	316	2.1	27.29	S082	TS100LA4	18000	5379
62.9	321	1.1	27.66	S062	TH100LA4	8223	3289
62.9	321	1.1	27.66	S062	TS100LA4	8223	3289
61.7	327	2.0	28.67	S082	TP112MR4	18000	5430
60.7	332	2.0	28.67	S082	TH100LA4	18000	5457
60.7	332	2.0	28.67	S082	TS100LA4	18000	5457
59.0	342	1.1	30.00	S062	TP112MR4	8308	3323
58.1	351	1.6	20.14	S082	TH112M6	18000	5524
58.0	348	1.0	30.00	S062	TH100LA4	8330	3332
58.0	348	1.0	30.00	S062	TS100LA4	8330	3332
57.6	354	1.6	20.14	S082	TS112MA6	18000	5538
55.7	362	2.3	31.78	S082	TP112MR4	18000	5595
54.8	368	2.3	31.78	S082	TH100LA4	18000	5623
54.8	368	2.3	31.78	S082	TS100LA4	18000	5623
54.6	369	3.5	32.40	S102	TP112MR4	22000	6995
53.7	376	3.4	32.40	S102	TH100LA4	22000	7031
53.7	376	3.4	32.40	S102	TS100LA4	22000	7031
52.9	385	1.5	22.13	S082	TH112M6	18000	5676
52.9	385	2.6	22.13	S102	TH112M6	22000	7061
52.4	389	1.5	22.13	S082	TS112MA6	18000	5690
52.4	389	2.6	22.13	S102	TS112MA6	22000	7080
50.7	398	2.1	34.91	S082	TP112MR4	18000	5748
50.7	398	3.0	34.91	S102	TP112MR4	22000	7155
49.8	405	2.1	34.91	S082	TH100LA4	18000	5777
49.8	405	2.1	34.91	S082	TS100LA4	18000	5777

5.2 S GEARED MOTORS (60Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
49.8	405	3.0	34.91	S102	TH100LA4	22000	7192
49.8	405	3.0	34.91	S102	TS100LA4	22000	7192
48.8	418	1.4	24.00	S082	TH112M6	18000	5810
48.4	417	1.2	36.57	S062	TP112MR4	8541	3417
48.3	421	1.4	24.00	S082	TS112MA6	18000	5824
48.2	423	2.6	24.28	S102	TH112M6	22000	7262
47.8	426	2.5	24.28	S102	TS112MA6	22000	7281
47.6	424	1.2	36.57	S062	TH100LA4	8559	3424
47.6	424	1.2	36.57	S062	TS100LA4	8559	3424
46.2	436	2.9	38.30	S102	TP112MR4	22000	7358
45.4	444	2.9	38.30	S102	TH100LA4	22000	7396
45.4	444	2.9	38.30	S102	TS100LA4	22000	7396
45.0	449	1.1	39.38	S062	TP112MR4	8615	3446
44.4	458	2.4	26.33	S102	TH112M6	22000	7442
44.2	456	1.1	39.38	S062	TH100LA4	8631	3452
44.2	456	1.1	39.38	S062	TS100LA4	8631	3452
44.2	456	1.9	40.05	S082	TP112MR4	18000	5977
44.1	462	2.3	26.33	S102	TS112MA6	22000	7461
43.4	464	1.8	40.05	S082	TH100LA4	18000	6006
43.4	464	1.8	40.05	S082	TS100LA4	18000	6006
42.9	475	1.4	27.29	S082	TH112M6	18000	6024
42.5	479	1.4	27.29	S082	TS112MA6	18000	6039
41.1	491	1.7	43.05	S082	TP112MR4	18000	6100
40.8	499	1.3	28.67	S082	TH112M6	18000	6108
40.6	497	1.0	43.64	S062	TP112MR4	8702	3481
40.5	504	1.3	28.67	S082	TS112MA6	18000	6123
40.4	499	1.7	43.05	S082	TH100LA4	18000	6129
40.4	499	1.7	43.05	S082	TS100LA4	18000	6129
40.2	501	2.2	44.00	S102	TP112MR4	22000	7669
39.9	506	1.0	43.64	S062	TH100LA4	8715	3486
39.9	506	1.0	43.64	S062	TS100LA4	8715	3486
39.5	510	2.2	44.00	S102	TH100LA4	22000	7708
39.5	510	2.2	44.00	S102	TS100LA4	22000	7708
39.2	520	2.1	29.87	S102	TH112M6	22000	7726
38.8	525	2.1	29.87	S102	TS112MA6	22000	7746
37.6	537	2.5	47.13	S102	TP112MR4	22000	7827
36.9	546	2.5	47.13	S102	TH100LA4	22000	7867
36.9	546	2.5	47.13	S102	TS100LA4	22000	7867
36.8	553	1.5	31.78	S082	TH112M6	18000	6284
36.5	558	1.5	31.78	S082	TS112MA6	18000	6299
36.1	564	2.3	32.40	S102	TH112M6	22000	7914

5.2 S GEARED MOTORS (60Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
35.8	569	2.2	32.40	S102	TS112MA6	22000	7934
35.5	568	3.6	49.04	S122	TH100LA4	30000	11200
35.5	568	3.6	49.04	S122	TS100LA4	30000	11200
35.2	573	1.5	50.25	S082	TP112MR4	18000	6366
34.6	582	1.5	50.25	S082	TH100LA4	18000	6396
34.6	582	1.5	50.25	S082	TS100LA4	18000	6396
33.5	608	1.4	34.91	S082	TH112M6	18000	6447
33.5	608	2.0	34.91	S102	TH112M6	22000	8090
33.2	613	1.4	34.91	S082	TS112MA6	18000	6462
33.2	613	1.9	34.91	S102	TS112MA6	22000	8110
32.9	612	3.6	53.75	S122	TP112MR4	30000	11200
32.6	618	1.4	54.27	S082	TP112MR4	18000	6501
32.4	623	3.6	53.75	S122	TH100LA4	30000	11200
32.4	623	3.6	53.75	S122	TS100LA4	30000	11200
32.1	629	1.4	54.27	S082	TH100LA4	18000	6531
32.1	629	1.4	54.27	S082	TS100LA4	18000	6531
32.1	628	1.8	55.14	S102	TP112MR4	22000	8197
31.6	639	1.7	55.14	S102	TH100LA4	22000	8238
31.6	639	1.7	55.14	S102	TS100LA4	22000	8238
30.5	667	1.9	38.30	S102	TH112M6	22000	8311
30.3	673	1.9	38.30	S102	TS112MA6	22000	8332
29.8	677	2.0	59.40	S102	TP112MR4	22000	8376
29.3	689	2.0	59.40	S102	TH100LA4	22000	8418
29.3	689	2.0	59.40	S102	TS100LA4	22000	8418
29.2	697	1.2	40.05	S082	TH112M6	18000	6689
29.0	703	1.2	40.05	S082	TS112MA6	18000	6704
28.6	706	1.2	61.98	S082	TP112MR4	18000	6736
28.1	718	1.2	61.98	S082	TH100LA4	18000	6766
28.1	718	1.2	61.98	S082	TS100LA4	18000	6766
27.2	750	1.1	43.05	S082	TH112M6	18000	6817
26.9	756	1.1	43.05	S082	TS112MA6	18000	6833
26.8	752	3.4	66.00	S122	TP112MR4	30000	11200
26.6	766	1.4	44.00	S102	TH112M6	22000	8650
26.4	773	1.4	44.00	S102	TS112MA6	22000	8671
26.4	765	3.3	66.00	S122	TH100LA4	30000	11200
26.4	765	3.3	66.00	S122	TS100LA4	30000	11200
26.2	753	1.1	67.52	S083	TP112MR4	18000	6904
26.1	773	1.8	67.84	S102	TP112MR4	22000	8703
25.8	766	1.1	67.52	S083	TH100LA4	18000	6935
25.8	766	1.1	67.52	S083	TS100LA4	18000	6935
25.6	786	1.7	67.84	S102	TH100LA4	22000	8745

5.2 S GEARED MOTORS (60Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
25.6	786	1.7	67.84	S102	TS100LA4	22000	8745
24.9	793	2.9	71.07	S123	TP112MR4	30000	11200
24.8	821	1.7	47.13	S102	TH112M6	22000	8821
24.6	828	1.6	47.13	S102	TS112MA6	22000	8842
24.5	807	2.9	71.07	S123	TH100LA4	30000	11200
24.5	807	2.9	71.07	S123	TS100LA4	30000	11200
23.9	828	1.0	74.18	S083	TP112MR4	18000	7074
23.9	828	1.6	74.18	S103	TP112MR4	22000	8940
23.9	854	2.4	49.04	S122	TH112M6	30000	11200
23.7	861	2.4	49.04	S122	TS112MA6	30000	11200
23.5	842	1.0	74.18	S083	TH100LA4	18000	7105
23.5	842	1.0	74.18	S083	TS100LA4	18000	7105
23.5	842	1.6	74.18	S103	TH100LA4	22000	8983
23.5	842	1.6	74.18	S103	TS100LA4	22000	8983
21.8	936	2.4	53.75	S122	TH112M6	30000	11200
21.7	908	1.5	81.39	S103	TP112MR4	22000	9000
21.6	944	2.4	53.75	S122	TS112MA6	30000	11200
21.4	924	1.5	81.39	S103	TH100LA4	22000	9000
21.4	924	1.5	81.39	S103	TS100LA4	22000	9000
21.2	960	1.2	55.14	S102	TH112M6	22000	9000
21.0	968	1.1	55.14	S102	TS112MA6	22000	9000
20.3	974	2.6	87.27	S123	TP112MR4	30000	11200
19.9	990	2.6	87.27	S123	TH100LA4	30000	11200
19.9	990	2.6	87.27	S123	TS100LA4	30000	11200
19.7	1034	1.3	59.40	S102	TH112M6	22000	9000
19.5	1043	1.3	59.40	S102	TS112MA6	22000	9000
17.7	1117	1.2	100.15	S103	TP112MR4	22000	9000
17.7	1149	2.2	66.00	S122	TH112M6	30000	11200
17.6	1159	2.2	66.00	S122	TS112MA6	30000	11200
17.4	1137	1.2	100.15	S103	TH100LA4	22000	9000
17.4	1137	1.2	100.15	S103	TS100LA4	22000	9000
17.2	1181	1.2	67.84	S102	TH112M6	22000	9000
17.1	1191	1.1	67.84	S102	TS112MA6	22000	9000
16.5	1212	1.9	71.07	S123	TH112M6	30000	11200
16.3	1222	1.9	71.07	S123	TS112MA6	30000	11200
16.0	1233	1.1	110.55	S103	TP112MR4	22000	9000
15.8	1265	1.1	74.18	S103	TH112M6	22000	9000
15.7	1255	1.1	110.55	S103	TH100LA4	22000	9000
15.7	1255	1.1	110.55	S103	TS100LA4	22000	9000
15.7	1255	2.0	112.52	S123	TP112MR4	30000	11200
15.6	1276	1.1	74.18	S103	TS112MA6	22000	9000

5.2 S GEARED MOTORS (60Hz)

2.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
15.5	1277	2.0	112.52	S123	TH100LA4	30000	11200
15.5	1277	2.0	112.52	S123	TS100LA4	30000	11200
14.4	1376	1.9	123.33	S123	TP112MR4	30000	11200
14.1	1400	1.8	123.33	S123	TH100LA4	30000	11200
14.1	1400	1.8	123.33	S123	TS100LA4	30000	11200
13.4	1488	1.7	87.27	S123	TH112M6	30000	11200
13.3	1501	1.7	87.27	S123	TS112MA6	30000	11200
13.2	1493	1.7	133.78	S123	TP112MR4	30000	11200
13.0	1518	1.7	133.78	S123	TH100LA4	30000	11200
13.0	1518	1.7	133.78	S123	TS100LA4	30000	11200
11.7	1690	1.5	151.43	S123	TP112MR4	30000	11200
11.5	1719	1.5	151.43	S123	TH100LA4	30000	11200
11.5	1719	1.5	151.43	S123	TS100LA4	30000	11200
10.4	1918	1.3	112.52	S123	TH112M6	30000	11200
10.3	1935	1.3	112.52	S123	TS112MA6	30000	11200
10.0	1981	1.3	177.53	S123	TP112MR4	30000	11200
9.8	2015	1.3	177.53	S123	TH100LA4	30000	11200
9.8	2015	1.3	177.53	S123	TS100LA4	30000	11200
9.5	2103	1.2	123.33	S123	TH112M6	30000	11200
9.4	2121	1.2	123.33	S123	TS112MA6	30000	11200
9.1	2171	1.2	194.59	S123	TP112MR4	30000	11200
8.9	2209	1.2	194.59	S123	TH100LA4	30000	11200
8.9	2209	1.2	194.59	S123	TS100LA4	30000	11200
8.7	2281	1.1	133.78	S123	TH112M6	30000	11200
8.7	2300	1.1	133.78	S123	TS112MA6	30000	11200

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
220.0	125	1.9	8.00	S062	TP112MS4	5993	2397
217.5	126	1.9	8.00	S062	TH100LB4	6009	2404
217.5	126	1.9	8.00	S062	TS100LB4	6009	2404
184.4	149	1.7	9.55	S062	TP112MS4	6247	2499
182.3	151	1.7	9.55	S062	TH100LB4	6263	2505
182.3	151	1.7	9.55	S062	TS100LB4	6263	2505
177.0	155	3.0	9.94	S082	TP112MS4	13673	3907
175.0	157	3.0	9.94	S082	TH100LB4	13721	3920
175.0	157	3.0	9.94	S082	TS100LB4	13721	3920
159.4	174	2.3	7.34	S082	TH132S6	14109	4031
159.4	174	2.3	7.34	S082	TS132SA6	14109	4031
158.1	176	2.3	7.34	S082	TS112MB6	14146	4042

5.2 S GEARED MOTORS (60Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
151.6	181	2.8	11.61	S082	TP112MS4	14330	4094
150.3	183	1.5	11.71	S062	TP112MS4	6534	2614
149.9	183	2.8	11.61	S082	TH100LB4	14380	4108
149.9	183	2.8	11.61	S082	TS100LB4	14380	4108
148.6	185	1.5	11.71	S062	TH100LB4	6550	2620
148.6	185	1.5	11.71	S062	TS100LB4	6550	2620
145.1	191	2.3	8.06	S082	TH132S6	14515	4147
145.1	191	2.3	8.06	S082	TS132SA6	14515	4147
145.0	192	1.2	8.00	S062	TS112MB6	6571	2629
143.9	193	2.2	8.06	S082	TS112MB6	14553	4158
138.0	199	2.7	12.75	S082	TP112MS4	14742	4212
136.5	202	2.7	12.75	S082	TH100LB4	14792	4226
136.5	202	2.7	12.75	S082	TS100LB4	14792	4226
131.8	209	1.4	13.36	S062	TP112MS4	6712	2685
130.3	211	1.4	13.36	S062	TH100LB4	6728	2691
130.3	211	1.4	13.36	S062	TS100LB4	6728	2691
121.5	229	1.1	9.55	S062	TS112MB6	6804	2722
117.7	236	2.0	9.94	S082	TH132S6	15454	4415
117.7	236	2.0	9.94	S082	TS132SA6	15454	4415
116.7	238	2.0	9.94	S082	TS112MB6	15493	4427
110.4	249	1.3	15.94	S062	TP112MS4	6939	2776
109.2	252	1.3	15.94	S062	TH100LB4	6953	2781
109.2	252	1.3	15.94	S062	TS100LB4	6953	2781
107.5	258	2.7	10.88	S102	TH132S6	19677	5622
107.5	258	2.7	10.88	S102	TS132SA6	19677	5622
106.6	261	2.6	10.88	S102	TS112MB6	19729	5637
101.8	270	2.1	17.29	S082	TP112MS4	16138	4611
100.8	276	1.8	11.61	S082	TH132S6	16173	4621
100.8	276	1.8	11.61	S082	TS132SA6	16173	4621
100.6	273	2.0	17.29	S082	TH100LB4	16192	4626
100.6	273	2.0	17.29	S082	TS100LB4	16192	4626
100.0	278	1.8	11.61	S082	TS112MB6	16214	4633
99.1	280	1.0	11.71	S062	TS112MB6	7051	2820
91.8	303	1.8	12.75	S082	TH132S6	16622	4749
91.8	303	1.8	12.75	S082	TS132SA6	16622	4749
91.8	303	2.4	12.75	S102	TH132S6	20653	5901
91.8	303	2.4	12.75	S102	TS132SA6	20653	5901
91.0	305	1.8	12.75	S082	TS112MB6	16664	4761
91.0	305	2.4	12.75	S102	TS112MB6	20707	5916
90.0	306	1.1	19.55	S062	TP112MS4	7175	2870
89.0	309	1.1	19.55	S062	TH100LB4	7188	2875

5.2 S GEARED MOTORS (60Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
89.0	309	1.1	19.55	S062	TS100LB4	7188	2875
87.4	315	1.8	20.14	S082	TP112MS4	16869	4820
86.4	318	1.7	20.14	S082	TH100LB4	16925	4836
86.4	318	1.7	20.14	S082	TS100LB4	16925	4836
83.6	332	2.6	13.99	S102	TH132S6	21243	6069
83.6	332	2.6	13.99	S102	TS132SA6	21243	6069
82.9	335	2.6	13.99	S102	TS112MB6	21298	6085
79.5	346	1.7	22.13	S082	TP112MS4	17332	4952
79.5	346	2.9	22.13	S102	TP112MS4	21576	6165
78.6	350	1.6	22.13	S082	TH100LB4	17388	4968
78.6	350	1.6	22.13	S082	TS100LB4	17388	4968
78.6	350	2.9	22.13	S102	TS100LB4	21651	6186
78.6	350	2.9	22.13	S102	TH100LB4	21651	6186
73.3	375	1.5	24.00	S082	TP112MS4	17738	5068
72.5	379	1.5	24.00	S082	TH100LB4	17795	5084
72.5	379	1.5	24.00	S082	TS100LB4	17795	5084
72.5	379	2.8	24.28	S102	TP112MS4	22000	6339
71.7	384	2.8	24.28	S102	TH100LB4	22000	6361
71.7	384	2.8	24.28	S102	TS100LB4	22000	6361
68.0	409	2.3	17.21	S102	TH132S6	22000	6460
68.0	409	2.3	17.21	S102	TS132SA6	22000	6460
67.7	411	1.4	17.29	S082	TH132S6	18000	5181
67.7	411	1.4	17.29	S082	TS132SA6	18000	5181
67.4	412	2.3	17.21	S102	TS112MB6	22000	6476
67.1	414	1.3	17.29	S082	TS112MB6	18000	5193
66.8	412	2.6	26.33	S102	TP112MS4	22000	6496
66.1	416	2.6	26.33	S102	TH100LB4	22000	6518
66.1	416	2.6	26.33	S102	TS100LB4	22000	6518
64.5	426	1.5	27.29	S082	TP112MS4	18000	5254
63.8	431	1.5	27.29	S082	TH100LB4	18000	5271
63.8	431	1.5	27.29	S082	TS100LB4	18000	5271
61.6	451	2.2	19.00	S102	TH132S6	22000	6653
61.6	451	2.2	19.00	S102	TS132SA6	22000	6653
61.4	448	1.5	28.67	S082	TP112MS4	18000	5327
61.1	455	2.2	19.00	S102	TS112MB6	22000	6669
60.7	453	1.4	28.67	S082	TH100LB4	18000	5344
60.7	453	1.4	28.67	S082	TS100LB4	18000	5344
58.9	467	2.3	29.87	S102	TP112MS4	22000	6743
58.3	472	2.3	29.87	S102	TH100LB4	22000	6766
58.3	472	2.3	29.87	S102	TS100LB4	22000	6766
58.1	478	1.2	20.14	S082	TH132S6	18000	5404

5.2 S GEARED MOTORS (60Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
58.1	478	1.2	20.14	S082	TS132SA6	18000	5404
57.6	482	1.2	20.14	S082	TS112MB6	18000	5417
55.4	497	1.7	31.78	S082	TP112MS4	18000	5480
54.8	502	1.7	31.78	S082	TH100LB4	18000	5497
54.8	502	1.7	31.78	S082	TS100LB4	18000	5497
54.3	506	2.5	32.40	S102	TP112MS4	22000	6907
53.7	512	2.5	32.40	S102	TH100LB4	22000	6930
53.7	512	2.5	32.40	S102	TS100LB4	22000	6930
52.9	525	1.1	22.13	S082	TH132S6	18000	5544
52.9	525	1.1	22.13	S082	TS132SA6	18000	5544
52.9	525	1.9	22.13	S102	TH132S6	22000	6958
52.9	525	1.9	22.13	S102	TS132SA6	22000	6958
52.4	530	1.1	22.13	S082	TS112MB6	18000	5557
52.4	530	1.9	22.13	S102	TS112MB6	22000	6975
50.4	546	1.6	34.91	S082	TP112MS4	18000	5621
50.4	546	2.2	34.91	S102	TP112MS4	22000	7059
49.8	552	1.5	34.91	S082	TH100LB4	18000	5639
49.8	552	1.5	34.91	S082	TS100LB4	18000	5639
49.8	552	2.2	34.91	S102	TH100LB4	22000	7083
49.8	552	2.2	34.91	S102	TS100LB4	22000	7083
48.8	570	1.0	24.00	S082	TH132S6	18000	5667
48.8	570	1.0	24.00	S082	TS132SA6	18000	5667
48.3	575	1.0	24.00	S082	TS112MB6	18000	5680
48.2	576	1.9	24.28	S102	TH132S6	22000	7148
48.2	576	1.9	24.28	S102	TS132SA6	22000	7148
47.8	581	1.9	24.28	S102	TS112MB6	22000	7166
45.9	599	2.1	38.30	S102	TP112MS4	22000	7252
45.4	605	2.1	38.30	S102	TH100LB4	22000	7276
45.4	605	2.1	38.30	S102	TS100LB4	22000	7276
44.4	625	1.7	26.33	S102	TH132S6	22000	7318
44.4	625	1.7	26.33	S102	TS132SA6	22000	7318
44.1	631	1.7	26.33	S102	TS112MB6	22000	7336
43.9	626	1.4	40.05	S082	TP112MS4	18000	5830
43.4	633	1.3	40.05	S082	TH100LB4	18000	5848
43.4	633	1.3	40.05	S082	TS100LB4	18000	5848
42.9	648	1.0	27.29	S082	TH132S6	18000	5862
42.9	648	1.0	27.29	S082	TS132SA6	18000	5862
40.9	673	1.3	43.05	S082	TP112MS4	18000	5941
40.4	681	1.2	43.05	S082	TH100LB4	18000	5959
40.4	681	1.2	43.05	S082	TS100LB4	18000	5959
40.0	688	1.6	44.00	S102	TP112MS4	22000	7546

5.2 S GEARED MOTORS (60Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
39.5	696	1.6	44.00	S102	TH100LB4	22000	7571
39.5	696	1.6	44.00	S102	TS100LB4	22000	7571
39.2	709	1.5	29.87	S102	TH132S6	22000	7586
39.2	709	1.5	29.87	S102	TS132SA6	22000	7586
38.8	715	1.5	29.87	S102	TS112MB6	22000	7605
37.3	736	1.9	47.13	S102	TP112MS4	22000	7695
36.9	745	1.8	47.13	S102	TH100LB4	22000	7720
36.9	745	1.8	47.13	S102	TS100LB4	22000	7720
36.8	754	1.1	31.78	S082	TH132S6	18000	6095
36.8	754	1.1	31.78	S082	TS132SA6	18000	6095
36.5	761	1.1	31.78	S082	TS112MB6	18000	6109
36.1	769	1.7	32.40	S102	TH132S6	22000	7762
36.1	769	1.7	32.40	S102	TS132SA6	22000	7762
35.9	766	2.7	49.04	S122	TP112MS4	30000	11116
35.8	776	1.6	32.40	S102	TS112MB6	22000	7781
35.5	775	2.6	49.04	S122	TH100LB4	30000	11151
35.5	775	2.6	49.04	S122	TS100LB4	30000	11151
35.0	785	1.1	50.25	S082	TP112MS4	18000	6180
35.0	794	3.2	33.44	S122	TH132S6	30000	11187
35.0	794	3.2	33.44	S122	TS132SA6	30000	11187
34.7	801	3.2	33.44	S122	TS112MB6	30000	11200
34.6	794	1.1	50.25	S082	TH100LB4	18000	6197
34.6	794	1.1	50.25	S082	TS100LB4	18000	6197
33.5	829	1.0	34.91	S082	TH132S6	18000	6240
33.5	829	1.0	34.91	S082	TS132SA6	18000	6240
33.5	829	1.4	34.91	S102	TH132S6	22000	7926
33.5	829	1.4	34.91	S102	TS132SA6	22000	7926
33.2	836	1.0	34.91	S082	TS112MB6	18000	6253
33.2	836	1.4	34.91	S102	TS112MB6	22000	7945
33.2	836	3.1	35.20	S122	TH132S6	30000	11200
33.2	836	3.1	35.20	S122	TS132SA6	30000	11200
33.0	843	3.0	35.20	S122	TS112MB6	30000	11200
32.7	840	2.6	53.75	S122	TP112MS4	30000	11200
32.4	848	1.0	54.27	S082	TP112MS4	18000	6299
32.4	850	2.6	53.75	S122	TH100LB4	30000	11200
32.4	850	2.6	53.75	S122	TS100LB4	30000	11200
31.9	862	1.3	55.14	S102	TP112MS4	22000	8040
31.6	872	1.3	55.14	S102	TH100LB4	22000	8065
31.6	872	1.3	55.14	S102	TS100LB4	22000	8065
30.5	909	1.4	38.30	S102	TH132S6	22000	8132
30.5	909	1.4	38.30	S102	TS132SA6	22000	8132

5.2 S GEARED MOTORS (60Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
30.3	917	1.4	38.30	S102	TS112MB6	22000	8151
29.6	928	1.5	59.40	S102	TP112MS4	22000	8206
29.3	939	1.5	59.40	S102	TH100LB4	22000	8232
29.3	939	1.5	59.40	S102	TS100LB4	22000	8232
28.5	975	2.6	41.07	S122	TH132S6	30000	11200
28.5	975	2.6	41.07	S122	TS132SA6	30000	11200
28.2	983	2.6	41.07	S122	TS112MB6	30000	11200
26.8	1035	2.5	43.60	S122	TH132S6	30000	11200
26.8	1035	2.5	43.60	S122	TS132SA6	30000	11200
26.7	1031	2.5	66.00	S122	TP112MS4	30000	11200
26.6	1044	2.5	43.60	S122	TS112MB6	30000	11200
26.4	1054	1.1	44.00	S102	TS112MB6	22000	8463
26.4	1043	2.5	66.00	S122	TH100LB4	30000	11200
26.4	1043	2.5	66.00	S122	TS100LB4	30000	11200
25.9	1060	1.3	67.84	S102	TP112MS4	22000	8507
25.6	1072	1.3	67.84	S102	TH100LB4	22000	8533
25.6	1072	1.3	67.84	S102	TS100LB4	22000	8533
24.8	1119	1.2	47.13	S102	TH132S6	22000	8600
24.8	1119	1.2	47.13	S102	TS132SA6	22000	8600
24.8	1087	2.1	71.07	S123	TP112MS4	30000	11200
24.6	1129	1.2	47.13	S102	TS112MB6	22000	8619
24.5	1100	2.1	71.07	S123	TH100LB4	30000	11200
24.5	1100	2.1	71.07	S123	TS100LB4	30000	11200
23.9	1164	1.8	49.04	S122	TH132S6	30000	11200
23.9	1164	1.8	49.04	S122	TS132SA6	30000	11200
23.7	1135	1.2	74.18	S103	TP112MS4	22000	8730
23.7	1174	1.7	49.04	S122	TS112MB6	30000	11200
23.5	1148	1.2	74.18	S103	TH100LB4	22000	8756
23.5	1148	1.2	74.18	S103	TS100LB4	22000	8756
21.8	1276	1.7	53.75	S122	TH132S6	30000	11200
21.8	1276	1.7	53.75	S122	TS132SA6	30000	11200
21.6	1245	1.1	81.39	S103	TP112MS4	22000	8946
21.6	1287	1.7	53.75	S122	TS112MB6	30000	11200
21.4	1260	1.1	81.39	S103	TH100LB4	22000	8972
21.4	1260	1.1	81.39	S103	TS100LB4	22000	8972
20.2	1335	1.9	87.27	S123	TP112MS4	30000	11200
19.9	1351	1.9	87.27	S123	TH100LB4	30000	11200
19.9	1351	1.9	87.27	S123	TS100LB4	30000	11200
17.7	1567	1.6	66.00	S122	TH132S6	30000	11200
17.7	1567	1.6	66.00	S122	TS132SA6	30000	11200
17.6	1581	1.6	66.00	S122	TS112MB6	30000	11200

5.2 S GEARED MOTORS (60Hz)

3.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
16.5	1652	1.4	71.07	S123	TH132S6	30000	11200
16.5	1652	1.4	71.07	S123	TS132SA6	30000	11200
16.3	1666	1.4	71.07	S123	TS112MB6	30000	11200
15.6	1722	1.5	112.52	S123	TP112MS4	30000	11200
15.5	1741	1.5	112.52	S123	TH100LB4	30000	11200
15.5	1741	1.5	112.52	S123	TS100LB4	30000	11200
14.3	1887	1.4	123.33	S123	TP112MS4	30000	11200
14.1	1909	1.3	123.33	S123	TH100LB4	30000	11200
14.1	1909	1.3	123.33	S123	TS100LB4	30000	11200
13.4	2029	1.3	87.27	S123	TH132S6	30000	11200
13.4	2029	1.3	87.27	S123	TS132SA6	30000	11200
13.3	2046	1.3	87.27	S123	TS112MB6	30000	11200
13.2	2047	1.3	133.78	S123	TP112MS4	30000	11200
13.0	2071	1.2	133.78	S123	TH100LB4	30000	11200
13.0	2071	1.2	133.78	S123	TS100LB4	30000	11200
11.6	2317	1.1	151.43	S123	TP112MS4	30000	11200
11.5	2344	1.1	151.43	S123	TH100LB4	30000	11200
11.5	2344	1.1	151.43	S123	TS100LB4	30000	11200

4.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
239.8	153	2.6	7.34	S082	TH112M4	12328	3522
239.8	153	2.6	7.34	S082	TP112M4	12328	3522
238.5	154	2.6	7.34	S082	TS112MA4	12350	3528
220.0	167	1.4	8.00	S062	TH112M4	5728	2291
220.0	167	1.4	8.00	S062	TP112M4	5728	2291
218.8	168	1.4	8.00	S062	TS112MA4	5735	2294
218.3	168	2.6	8.06	S082	TH112M4	12683	3624
218.3	168	2.6	8.06	S082	TP112M4	12683	3624
217.1	169	2.6	8.06	S082	TS112MA4	12705	3630
184.4	199	1.3	9.55	S062	TH112M4	5932	2373
184.4	199	1.3	9.55	S062	TP112M4	5932	2373
183.3	200	1.3	9.55	S062	TS112MA4	5938	2375
177.0	207	2.3	9.94	S082	TH112M4	13503	3858
177.0	207	2.3	9.94	S082	TP112M4	13503	3858
176.0	208	2.3	9.94	S082	TS112MA4	13526	3864
161.7	227	3.0	10.88	S102	TH112M4	17194	4913
161.7	227	3.0	10.88	S102	TP112M4	17194	4913
160.8	228	3.0	10.88	S102	TS112MA4	17224	4921
159.4	232	1.7	7.34	S082	TH132MA6	13918	3977

5.2 S GEARED MOTORS (60Hz)

4.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
159.4	232	1.7	7.34	S082	TS132MA6	13918	3977
151.6	242	2.1	11.61	S082	TH112M4	14131	4038
151.6	242	2.1	11.61	S082	TP112M4	14131	4038
150.8	243	2.1	11.61	S082	TS112MA4	14155	4044
150.3	244	1.2	11.71	S062	TH112M4	6147	2459
150.3	244	1.2	11.71	S062	TP112M4	6147	2459
149.5	245	1.1	11.71	S062	TS112MA4	6153	2461
145.1	255	1.7	8.06	S082	TH132MA6	14306	4087
145.1	255	1.7	8.06	S082	TS132MA6	14306	4087
145.1	255	2.4	8.06	S102	TH132MA6	17767	5076
145.1	255	2.4	8.06	S102	TS132MA6	17767	5076
138.0	266	2.0	12.75	S082	TH112M4	14523	4150
138.0	266	2.0	12.75	S082	TP112M4	14523	4150
138.0	266	2.7	12.75	S102	TH112M4	18046	5156
138.0	266	2.7	12.75	S102	TP112M4	18046	5156
137.3	267	2.0	12.75	S082	TS112MA4	14547	4156
137.3	267	2.7	12.75	S102	TS112MA4	18078	5165
132.3	280	2.3	8.85	S102	TH132MA6	18275	5222
132.3	280	2.3	8.85	S102	TS132MA6	18275	5222
131.8	278	1.1	13.36	S062	TH112M4	6271	2509
131.8	278	1.1	13.36	S062	TP112M4	6271	2509
131.0	280	1.1	13.36	S062	TS112MA4	6276	2511
125.8	291	3.0	13.99	S102	TH112M4	18562	5303
125.8	291	3.0	13.99	S102	TP112M4	18562	5303
125.1	293	3.0	13.99	S102	TS112MA4	18594	5313
117.7	315	1.5	9.94	S082	TH132MA6	15195	4342
117.7	315	1.5	9.94	S082	TS132MA6	15195	4342
107.5	345	2.0	10.88	S102	TH132MA6	19454	5558
107.5	345	2.0	10.88	S102	TS132MA6	19454	5558
102.3	359	2.6	17.21	S102	TH112M4	19756	5644
102.3	359	2.6	17.21	S102	TP112M4	19756	5644
101.8	360	1.5	17.29	S082	TH112M4	15842	4526
101.8	360	1.5	17.29	S082	TP112M4	15842	4526
101.7	361	2.6	17.21	S102	TS112MA4	19789	5654
101.2	362	1.5	17.29	S082	TS112MA4	15867	4533
100.8	367	1.4	11.61	S082	TH132MA6	15872	4535
100.8	367	1.4	11.61	S082	TS132MA6	15872	4535
92.6	396	2.6	19.00	S102	TH112M4	20345	5813
92.6	396	2.6	19.00	S102	TP112M4	20345	5813
92.1	398	2.5	19.00	S102	TS112MA4	20379	5823
91.8	404	1.3	12.75	S082	TH132MA6	16291	4655

5.2 S GEARED MOTORS (60Hz)

4.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
91.8	404	1.3	12.75	S082	TS132MA6	16291	4655
91.8	404	1.8	12.75	S102	TH132MA6	20391	5826
91.8	404	1.8	12.75	S102	TS132MA6	20391	5826
87.4	420	1.3	20.14	S082	TH112M4	16525	4721
87.4	420	1.3	20.14	S082	TP112M4	16525	4721
86.9	422	1.3	20.14	S082	TS112MA4	16550	4729
83.6	443	2.0	13.99	S102	TH132MA6	20956	5987
83.6	443	2.0	13.99	S102	TS132MA6	20956	5987
79.5	461	1.2	22.13	S082	TH112M4	16953	4844
79.5	461	1.2	22.13	S082	TP112M4	16953	4844
79.5	461	2.2	22.13	S102	TH112M4	21277	6079
79.5	461	2.2	22.13	S102	TP112M4	21277	6079
79.1	464	1.2	22.13	S082	TS112MA4	16979	4851
79.1	464	2.2	22.13	S102	TS112MA4	21312	6089
73.3	500	1.1	24.00	S082	TH112M4	17327	4951
73.3	500	1.1	24.00	S082	TP112M4	17327	4951
72.9	503	1.1	24.00	S082	TS112MA4	17353	4958
72.5	506	2.1	24.28	S102	TH112M4	21859	6246
72.5	506	2.1	24.28	S102	TP112M4	21859	6246
72.1	509	2.1	24.28	S102	TS112MA4	21895	6256
68.0	545	1.7	17.21	S102	TH132MA6	22000	6359
68.0	545	1.7	17.21	S102	TS132MA6	22000	6359
67.7	548	1.0	17.29	S082	TH132MA6	17683	5052
67.7	548	1.0	17.29	S082	TS132MA6	17683	5052
66.8	549	2.0	26.33	S102	TH112M4	22000	6394
66.8	549	2.0	26.33	S102	TP112M4	22000	6394
66.5	552	2.0	26.33	S102	TS112MA4	22000	6404
64.5	569	1.1	27.29	S082	TH112M4	17923	5121
64.5	569	1.1	27.29	S082	TP112M4	17923	5121
64.1	572	1.1	27.29	S082	TS112MA4	17949	5128
61.6	601	1.7	19.00	S102	TH132MA6	22000	6541
61.6	601	1.7	19.00	S102	TS132MA6	22000	6541
61.4	597	1.1	28.67	S082	TH112M4	18000	5187
61.4	597	1.1	28.67	S082	TP112M4	18000	5187
61.0	601	1.1	28.67	S082	TS112MA4	18000	5195
58.9	622	1.7	29.87	S102	TH112M4	22000	6628
58.9	622	1.7	29.87	S102	TP112M4	22000	6628
58.6	626	1.7	29.87	S102	TS112MA4	22000	6639
55.4	662	1.3	31.78	S082	TH112M4	18000	5324
55.4	662	1.3	31.78	S082	TP112M4	18000	5324
55.1	666	1.3	31.78	S082	TS112MA4	18000	5332

5.2 S GEARED MOTORS (60Hz)

4.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
54.3	675	1.9	32.40	S102	TH112M4	22000	6782
54.3	675	1.9	32.40	S102	TP112M4	22000	6782
54.0	679	1.9	32.40	S102	TS112MA4	22000	6793
52.9	700	1.4	22.13	S102	TH132MA6	22000	6828
52.9	700	1.4	22.13	S102	TS132MA6	22000	6828
50.4	727	1.2	34.91	S082	TH112M4	18000	5451
50.4	727	1.2	34.91	S082	TP112M4	18000	5451
50.4	727	1.6	34.91	S102	TH112M4	22000	6924
50.4	727	1.6	34.91	S102	TP112M4	22000	6924
50.1	732	1.2	34.91	S082	TS112MA4	18000	5458
50.1	732	1.6	34.91	S102	TS112MA4	22000	6935
50.0	733	3.5	35.20	S122	TH112M4	30000	9913
50.0	733	3.5	35.20	S122	TP112M4	30000	9913
49.7	738	3.5	35.20	S122	TS112MA4	30000	9929
48.2	769	1.4	24.28	S102	TH132MA6	22000	7006
48.2	769	1.4	24.28	S102	TS132MA6	22000	7006
45.9	798	1.6	38.30	S102	TH112M4	22000	7104
45.9	798	1.6	38.30	S102	TP112M4	22000	7104
45.7	803	1.6	38.30	S102	TS112MA4	22000	7115
44.7	828	2.6	26.15	S122	TH132MA6	30000	10212
44.7	828	2.6	26.15	S122	TS132MA6	30000	10212
44.4	834	1.3	26.33	S102	TH132MA6	22000	7164
44.4	834	1.3	26.33	S102	TS132MA6	22000	7164
43.9	835	1.0	40.05	S082	TH112M4	18000	5635
43.9	835	1.0	40.05	S082	TP112M4	18000	5635
43.7	839	1.0	40.05	S082	TS112MA4	18000	5642
42.9	856	3.0	41.07	S122	TH112M4	30000	10340
42.9	856	3.0	41.07	S122	TP112M4	30000	10340
42.6	861	3.0	41.07	S122	TS112MA4	30000	10356
40.9	905	2.4	28.60	S122	TH132MA6	30000	10460
40.9	905	2.4	28.60	S122	TS132MA6	30000	10460
40.4	908	2.8	43.60	S122	TH112M4	30000	10507
40.4	908	2.8	43.60	S122	TP112M4	30000	10507
40.1	914	2.8	43.60	S122	TS112MA4	30000	10523
40.0	917	1.2	44.00	S102	TH112M4	22000	7376
40.0	917	1.2	44.00	S102	TP112M4	22000	7376
39.8	922	1.2	44.00	S102	TS112MA4	22000	7388
39.2	946	1.1	29.87	S102	TH132MA6	22000	7411
39.2	946	1.1	29.87	S102	TS132MA6	22000	7411
38.3	966	2.7	30.51	S122	TH132MA6	30000	10642
38.3	966	2.7	30.51	S122	TS132MA6	30000	10642

5.2 S GEARED MOTORS (60Hz)

4.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
37.3	982	1.4	47.13	S102	TH112M4	22000	7513
37.3	982	1.4	47.13	S102	TP112M4	22000	7513
37.1	988	1.4	47.13	S102	TS112MA4	22000	7524
36.1	1026	1.2	32.40	S102	TH132MA6	22000	7572
36.1	1026	1.2	32.40	S102	TS132MA6	22000	7572
35.9	1022	2.0	49.04	S122	TH112M4	30000	10839
35.9	1022	2.0	49.04	S122	TP112M4	30000	10839
35.7	1028	2.0	49.04	S122	TS112MA4	30000	10855
35.0	1059	2.4	33.44	S122	TH132MA6	30000	10901
35.0	1059	2.4	33.44	S122	TS132MA6	30000	10901
33.5	1105	1.1	34.91	S102	TH132MA6	22000	7721
33.5	1105	1.1	34.91	S102	TS132MA6	22000	7721
33.2	1114	2.3	35.20	S122	TH132MA6	30000	11046
33.2	1114	2.3	35.20	S122	TS132MA6	30000	11046
32.7	1120	2.0	53.75	S122	TH112M4	30000	11100
32.7	1120	2.0	53.75	S122	TP112M4	30000	11100
32.6	1126	2.0	53.75	S122	TS112MA4	30000	11116
30.5	1213	1.1	38.30	S102	TH132MA6	22000	7907
30.5	1213	1.1	38.30	S102	TS132MA6	22000	7907
29.6	1238	1.1	59.40	S102	TH112M4	22000	7977
29.6	1238	1.1	59.40	S102	TP112M4	22000	7977
29.5	1245	1.1	59.40	S102	TS112MA4	22000	7989
28.5	1300	2.0	41.07	S122	TH132MA6	30000	11200
28.5	1300	2.0	41.07	S122	TS132MA6	30000	11200
26.8	1380	1.9	43.60	S122	TH132MA6	30000	11200
26.8	1380	1.9	43.60	S122	TS132MA6	30000	11200
26.7	1375	1.9	66.00	S122	TH112M4	30000	11200
26.7	1375	1.9	66.00	S122	TP112M4	30000	11200
26.5	1383	1.9	66.00	S122	TS112MA4	30000	11200
24.8	1450	1.6	71.07	S123	TH112M4	30000	11200
24.8	1450	1.6	71.07	S123	TP112M4	30000	11200
24.6	1458	1.6	71.07	S123	TS112MA4	30000	11200
23.9	1552	1.3	49.04	S122	TH132MA6	30000	11200
23.9	1552	1.3	49.04	S122	TS132MA6	30000	11200
21.8	1702	1.3	53.75	S122	TH132MA6	30000	11200
21.8	1702	1.3	53.75	S122	TS132MA6	30000	11200
20.2	1780	1.4	87.27	S123	TH112M4	30000	11200
20.2	1780	1.4	87.27	S123	TP112M4	30000	11200
20.1	1791	1.4	87.27	S123	TS112MA4	30000	11200
17.7	2089	1.2	66.00	S122	TH132MA6	30000	11200
17.7	2089	1.2	66.00	S122	TS132MA6	30000	11200

5.2 S GEARED MOTORS (60Hz)

4.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
16.5	2203	1.0	71.07	S123	TH132MA6	30000	11200
16.5	2203	1.0	71.07	S123	TS132MA6	30000	11200
15.6	2296	1.1	112.52	S123	TH112M4	30000	11200
15.6	2296	1.1	112.52	S123	TP112M4	30000	11200
15.6	2309	1.1	112.52	S123	TS112MA4	30000	11200
14.3	2516	1.0	123.33	S123	TH112M4	30000	11200
14.3	2516	1.0	123.33	S123	TP112M4	30000	11200
14.2	2531	1.0	123.33	S123	TS112MA4	30000	11200

4.80 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
237.1	186	2.1	7.34	S082	TS112MB4	12270	3506
217.5	202	1.2	8.00	S062	TS112MB4	5528	2211
215.8	204	2.1	8.06	S082	TS112MB4	12615	3604
215.8	204	3.0	8.06	S102	TS112MB4	15638	4468
196.7	224	2.9	8.85	S102	TS112MB4	16089	4597
182.3	241	1.1	9.55	S062	TS112MB4	5689	2276
175.0	251	1.9	9.94	S082	TS112MB4	13411	3832
159.9	275	2.5	10.88	S102	TS112MB4	17136	4896
149.9	294	1.7	11.61	S082	TS112MB4	14018	4005
136.5	322	1.7	12.75	S082	TS112MB4	14395	4113
136.5	322	2.2	12.75	S102	TS112MB4	17970	5134
124.4	354	2.4	13.99	S102	TS112MB4	18473	5278
101.1	435	2.2	17.21	S102	TS112MB4	19635	5610
100.6	437	1.3	17.29	S082	TS112MB4	15653	4472
91.6	481	2.1	19.00	S102	TS112MB4	20206	5773
86.4	509	1.1	20.14	S082	TS112MB4	16298	4656
78.6	560	1.0	22.13	S082	TS112MB4	16699	4771
78.6	560	1.8	22.13	S102	TS112MB4	21106	6030
71.7	614	1.8	24.28	S102	TS112MB4	21666	6190
66.1	666	1.6	26.33	S102	TS112MB4	22000	6333
60.8	723	3.0	28.60	S122	TS112MB4	30000	9253
58.3	755	1.4	29.87	S102	TS112MB4	22000	6556
57.0	772	3.3	30.51	S122	TS112MB4	30000	9417
54.8	804	1.1	31.78	S082	TS112MB4	18000	5214
53.7	819	1.6	32.40	S102	TS112MB4	22000	6702
52.0	846	3.0	33.44	S122	TS112MB4	30000	9652
49.8	883	1.4	34.91	S102	TS112MB4	22000	6837
49.4	890	2.9	35.20	S122	TS112MB4	30000	9784
45.4	969	1.3	38.30	S102	TS112MB4	22000	7007

5.2 S GEARED MOTORS (60Hz)

4.80 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
42.4	1039	2.5	41.07	S122	TS112MB4	30000	10184
39.9	1103	2.3	43.60	S122	TS112MB4	30000	10341
36.9	1192	1.1	47.13	S102	TS112MB4	22000	7388
35.5	1240	1.7	49.04	S122	TS112MB4	30000	10648
32.4	1359	1.6	53.75	S122	TS112MB4	30000	10888
26.4	1669	1.5	66.00	S122	TS112MB4	30000	11200
24.5	1760	1.3	71.07	S123	TS112MB4	30000	11200
19.9	2161	1.2	87.27	S123	TS112MB4	30000	11200

5.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
241.2	209	1.9	7.34	S082	TP132MS4	12120	3463
239.8	210	1.9	7.34	S082	TH132S4	12140	3469
238.5	211	1.9	7.34	S082	TS132S4	12160	3474
219.5	230	1.9	8.06	S082	TP132MS4	12456	3559
219.5	230	2.7	8.06	S102	TP132MS4	15480	4423
218.3	231	1.9	8.06	S082	TH132S4	12476	3565
218.3	231	2.6	8.06	S102	TH132S4	15507	4430
217.1	232	1.9	8.06	S082	TS132S4	12497	3571
217.1	232	2.6	8.06	S102	TS132S4	15534	4438
200.1	252	2.6	8.85	S102	TP132MS4	15922	4549
199.0	253	2.6	8.85	S102	TH132S4	15949	4557
197.8	255	2.6	8.85	S102	TS132S4	15977	4565
178.0	283	1.7	9.94	S082	TP132MS4	13226	3779
177.0	285	1.6	9.94	S082	TH132S4	13248	3785
176.0	287	1.6	9.94	S082	TS132S4	13269	3791
162.6	310	2.2	10.88	S102	TP132MS4	16945	4841
161.7	312	2.2	10.88	S102	TH132S4	16974	4850
160.8	314	2.2	10.88	S102	TS132S4	17002	4858
159.4	319	1.2	7.34	S082	TH132MB6	13632	3895
158.1	322	1.2	7.34	S082	TS132MB6	13665	3904
152.5	331	1.5	11.61	S082	TP132MS4	13812	3946
151.6	333	1.5	11.61	S082	TH132S4	13833	3952
150.8	334	1.5	11.61	S082	TS132S4	13855	3959
145.1	351	1.2	8.06	S082	TH132MB6	13991	3998
145.1	351	1.7	8.06	S102	TH132MB6	17518	5005
143.9	354	1.2	8.06	S082	TS132MB6	14024	4007
143.9	354	1.7	8.06	S102	TS132MB6	17563	5018
138.8	363	1.5	12.75	S082	TP132MS4	14174	4050
138.8	363	2.0	12.75	S102	TP132MS4	17758	5074

5.2 S GEARED MOTORS (60Hz)

5.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
138.0	365	1.5	12.75	S082	TH132S4	14196	4056
138.0	365	2.0	12.75	S102	TH132S4	17788	5082
137.3	367	1.5	12.75	S082	TS132S4	14218	4062
137.3	367	2.0	12.75	S102	TS132S4	17818	5091
132.3	385	1.7	8.85	S102	TH132MB6	18003	5144
131.1	388	1.7	8.85	S102	TS132MB6	18048	5157
126.5	399	2.2	13.99	S102	TP132MS4	18248	5214
125.8	401	2.2	13.99	S102	TH132S4	18278	5222
125.1	403	2.1	13.99	S102	TS132S4	18309	5231
117.7	433	1.1	9.94	S082	TH132MB6	14807	4231
116.7	437	1.1	9.94	S082	TS132MB6	14841	4240
107.5	474	1.4	10.88	S102	TH132MB6	19118	5462
106.6	478	1.4	10.88	S102	TS132MB6	19165	5476
102.8	490	1.9	17.21	S102	TP132MS4	19375	5536
102.3	493	1.1	17.29	S082	TP132MS4	15375	4393
102.3	493	1.9	17.21	S102	TH132S4	19407	5545
101.8	495	1.1	17.29	S082	TH132S4	15398	4399
101.7	496	1.9	17.21	S102	TS132S4	19438	5554
101.2	498	1.1	17.29	S082	TS132S4	15421	4406
93.2	541	1.9	19.00	S102	TP132MS4	19927	5694
92.6	544	1.9	19.00	S102	TH132S4	19959	5703
92.1	547	1.8	19.00	S102	TS132S4	19991	5712
91.8	555	1.3	12.75	S102	TH132MB6	19998	5714
91.0	560	1.3	12.75	S102	TS132MB6	20046	5728
83.6	609	1.4	13.99	S102	TH132MB6	20525	5864
82.9	614	1.4	13.99	S102	TS132MB6	20574	5878
80.0	630	1.6	22.13	S102	TP132MS4	20796	5942
79.5	634	1.6	22.13	S102	TH132S4	20828	5951
79.1	638	1.6	22.13	S102	TS132S4	20861	5960
72.9	692	1.6	24.28	S102	TP132MS4	21334	6095
72.5	696	1.6	24.28	S102	TH132S4	21367	6105
72.1	699	1.5	24.28	S102	TS132S4	21400	6114
68.0	749	1.3	17.21	S102	TH132MB6	21726	6207
67.7	745	2.9	26.15	S122	TP132MS4	30000	8883
67.4	756	1.2	17.21	S102	TS132MB6	21776	6222
67.3	749	2.9	26.15	S122	TH132S4	30000	8896
67.2	750	1.4	26.33	S102	TP132MS4	21811	6232
66.9	754	2.9	26.15	S122	TS132S4	30000	8910
66.8	754	1.4	26.33	S102	TH132S4	21844	6241
66.5	759	1.4	26.33	S102	TS132S4	21878	6251
61.9	815	2.7	28.60	S122	TP132MS4	30000	9098

5.2 S GEARED MOTORS (60Hz)

5.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
61.6	827	1.2	19.00	S102	TH132MB6	22000	6374
61.5	819	2.6	28.60	S122	TH132S4	30000	9111
61.2	824	2.6	28.60	S122	TS132S4	30000	9125
61.1	834	1.2	19.00	S102	TS132MB6	22000	6388
59.3	851	1.3	29.87	S102	TP132MS4	22000	6445
58.9	856	1.3	29.87	S102	TH132S4	22000	6455
58.6	861	1.3	29.87	S102	TS132S4	22000	6465
58.0	869	2.9	30.51	S122	TP132MS4	30000	9254
57.7	874	2.9	30.51	S122	TH132S4	30000	9268
57.4	879	2.9	30.51	S122	TS132S4	30000	9282
55.1	925	2.2	21.25	S122	TH132MB6	30000	9371
54.6	923	1.4	32.40	S102	TP132MS4	22000	6584
54.6	933	2.2	21.25	S122	TS132MB6	30000	9392
54.3	928	1.4	32.40	S102	TH132S4	22000	6594
54.0	934	1.4	32.40	S102	TS132S4	22000	6604
52.9	963	1.0	22.13	S102	TH132MB6	22000	6633
52.9	953	2.7	33.44	S122	TP132MS4	30000	9477
52.6	958	2.7	33.44	S122	TH132S4	30000	9491
52.4	971	1.0	22.13	S102	TS132MB6	22000	6648
52.3	964	2.7	33.44	S122	TS132S4	30000	9505
50.7	994	1.2	34.91	S102	TP132MS4	22000	6712
50.4	1000	1.2	34.91	S102	TH132S4	22000	6722
50.3	1003	2.6	35.20	S122	TP132MS4	30000	9602
50.2	1014	2.1	23.29	S122	TH132MB6	30000	9594
50.1	1006	1.2	34.91	S102	TS132S4	22000	6732
50.0	1008	2.5	35.20	S122	TH132S4	30000	9616
49.8	1023	2.0	23.29	S122	TS132MB6	30000	9614
49.7	1014	2.5	35.20	S122	TS132S4	30000	9630
48.2	1057	1.0	24.28	S102	TH132MB6	22000	6792
47.8	1066	1.0	24.28	S102	TS132MB6	22000	6807
46.2	1091	1.2	38.30	S102	TP132MS4	22000	6872
45.9	1097	1.2	38.30	S102	TH132S4	22000	6882
45.7	1104	1.2	38.30	S102	TS132S4	22000	6892
44.7	1138	1.9	26.15	S122	TH132MB6	30000	9875
44.4	1148	1.9	26.15	S122	TS132MB6	30000	9896
43.1	1170	2.2	41.07	S122	TP132MS4	30000	9979
42.9	1177	2.2	41.07	S122	TH132S4	30000	9993
42.6	1183	2.2	41.07	S122	TS132S4	30000	10006
40.9	1245	1.7	28.60	S122	TH132MB6	30000	10093
40.6	1242	2.1	43.60	S122	TP132MS4	30000	10125
40.6	1256	1.7	28.60	S122	TS132MB6	30000	10114

5.2 S GEARED MOTORS (60Hz)

5.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
40.4	1249	2.0	43.60	S122	TH132S4	30000	10139
40.1	1256	2.0	43.60	S122	TS132S4	30000	10152
38.3	1328	1.9	30.51	S122	TH132MB6	30000	10250
38.0	1340	1.9	30.51	S122	TS132MB6	30000	10271
37.6	1343	1.0	47.13	S102	TP132MS4	22000	7230
37.3	1350	1.0	47.13	S102	TH132S4	22000	7240
37.1	1358	1.0	47.13	S102	TS132S4	22000	7249
36.1	1397	1.5	49.04	S122	TP132MS4	30000	10411
35.9	1405	1.5	49.04	S122	TH132S4	30000	10425
35.7	1413	1.5	49.04	S122	TS132S4	30000	10438
35.0	1456	1.8	33.44	S122	TH132MB6	30000	10471
34.7	1468	1.7	33.44	S122	TS132MB6	30000	10491
33.2	1532	1.7	35.20	S122	TH132MB6	30000	10593
33.0	1545	1.7	35.20	S122	TS132MB6	30000	10614
32.9	1531	1.4	53.75	S122	TP132MS4	30000	10632
32.7	1540	1.4	53.75	S122	TH132S4	30000	10646
32.6	1549	1.4	53.75	S122	TS132S4	30000	10659
28.5	1788	1.4	41.07	S122	TH132MB6	30000	10956
28.2	1803	1.4	41.07	S122	TS132MB6	30000	10976
26.8	1880	1.4	66.00	S122	TP132MS4	30000	11116
26.8	1898	1.3	43.60	S122	TH132MB6	30000	11094
26.7	1891	1.4	66.00	S122	TH132S4	30000	11129
26.6	1914	1.3	43.60	S122	TS132MB6	30000	11114
26.5	1902	1.3	66.00	S122	TS132S4	30000	11142
24.9	1982	1.2	71.07	S123	TP132MS4	30000	11200
24.8	1994	1.2	71.07	S123	TH132S4	30000	11200
24.6	2005	1.1	71.07	S123	TS132S4	30000	11200
20.3	2434	1.1	87.27	S123	TP132MS4	30000	11200
20.2	2448	1.0	87.27	S123	TH132S4	30000	11200
20.1	2462	1.0	87.27	S123	TS132S4	30000	11200

7.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
239.8	287	1.4	7.34	S082	TH132MA4	11889	3397
239.8	287	1.4	7.34	S082	TP132M4	11889	3397
238.5	288	1.4	7.34	S082	TS132MA4	11908	3402
218.3	315	1.4	8.06	S082	TH132MA4	12200	3486
218.3	315	1.4	8.06	S082	TP132M4	12200	3486
218.3	315	1.9	8.06	S102	TH132MA4	15289	4368
218.3	315	1.9	8.06	S102	TP132M4	15289	4368

5.2 S GEARED MOTORS (60Hz)

7.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
217.1	317	1.4	8.06	S082	TS132MA4	12219	3491
217.1	317	1.9	8.06	S102	TS132MA4	15314	4376
199.0	346	1.9	8.85	S102	TH132MA4	15710	4489
199.0	346	1.9	8.85	S102	TP132M4	15710	4489
197.8	348	1.9	8.85	S102	TS132MA4	15736	4496
177.0	388	1.2	9.94	S082	TH132MA4	12907	3688
177.0	388	1.2	9.94	S082	TP132M4	12907	3688
176.0	391	1.2	9.94	S082	TS132MA4	12927	3693
161.7	425	1.6	10.88	S102	TH132MA4	16679	4765
161.7	425	1.6	10.88	S102	TP132M4	16679	4765
160.8	428	1.6	10.88	S102	TS132MA4	16706	4773
151.6	453	1.1	11.61	S082	TH132MA4	13436	3839
151.6	453	1.1	11.61	S082	TP132M4	13436	3839
150.8	456	1.1	11.61	S082	TS132MA4	13456	3845
138.0	498	1.1	12.75	S082	TH132MA4	13760	3931
138.0	498	1.1	12.75	S082	TP132M4	13760	3931
138.0	498	1.4	12.75	S102	TH132MA4	17443	4984
138.0	498	1.4	12.75	S102	TP132M4	17443	4984
137.3	501	1.1	12.75	S082	TS132MA4	13779	3937
137.3	501	1.4	12.75	S102	TS132MA4	17471	4992
125.8	547	1.6	13.99	S102	TH132MA4	17900	5114
125.8	547	1.6	13.99	S102	TP132M4	17900	5114
125.1	550	1.6	13.99	S102	TS132MA4	17928	5122
102.3	672	1.4	17.21	S102	TH132MA4	18941	5412
102.3	672	1.4	17.21	S102	TP132M4	18941	5412
101.7	676	1.4	17.21	S102	TS132MA4	18970	5420
92.6	742	1.4	19.00	S102	TH132MA4	19445	5556
92.6	742	1.4	19.00	S102	TP132M4	19445	5556
92.1	747	1.4	19.00	S102	TS132MA4	19475	5564
82.8	830	2.4	21.25	S122	TH132MA4	28581	8166
82.8	830	2.4	21.25	S122	TP132M4	28581	8166
82.4	835	2.4	21.25	S122	TS132MA4	28623	8178
79.5	864	1.2	22.13	S102	TH132MA4	20230	5780
79.5	864	1.2	22.13	S102	TP132M4	20230	5780
79.1	869	1.2	22.13	S102	TS132MA4	20259	5788
75.6	910	2.3	23.29	S122	TH132MA4	29254	8358
75.6	910	2.3	23.29	S122	TP132M4	29254	8358
75.1	915	2.3	23.29	S122	TS132MA4	29296	8370
72.5	948	1.1	24.28	S102	TH132MA4	20711	5917
72.5	948	1.1	24.28	S102	TP132M4	20711	5917
72.1	954	1.1	24.28	S102	TS132MA4	20740	5926

5.2 S GEARED MOTORS (60Hz)

7.50 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
67.3	1022	2.1	26.15	S122	TH132MA4	30000	8602
67.3	1022	2.1	26.15	S122	TP132M4	30000	8602
66.9	1028	2.1	26.15	S122	TS132MA4	30000	8613
66.8	1029	1.0	26.33	S102	TH132MA4	21132	6038
66.8	1029	1.0	26.33	S102	TP132M4	21132	6038
66.5	1035	1.0	26.33	S102	TS132MA4	21162	6046
61.5	1117	1.9	28.60	S122	TH132MA4	30000	8789
61.5	1117	1.9	28.60	S122	TP132M4	30000	8789
61.2	1124	1.9	28.60	S122	TS132MA4	30000	8801
57.7	1192	2.1	30.51	S122	TH132MA4	30000	8924
57.7	1192	2.1	30.51	S122	TP132M4	30000	8924
57.4	1199	2.1	30.51	S122	TS132MA4	30000	8936
54.3	1266	1.0	32.40	S102	TH132MA4	22000	6344
54.3	1266	1.0	32.40	S102	TP132M4	22000	6344
54.0	1273	1.0	32.40	S102	TS132MA4	22000	6352
52.6	1307	2.0	33.44	S122	TH132MA4	30000	9114
52.6	1307	2.0	33.44	S122	TP132M4	30000	9114
52.3	1314	1.9	33.44	S122	TS132MA4	30000	9125
50.0	1375	1.9	35.20	S122	TH132MA4	30000	9219
50.0	1375	1.9	35.20	S122	TP132M4	30000	9219
49.7	1383	1.9	35.20	S122	TS132MA4	30000	9230
42.9	1604	1.6	41.07	S122	TH132MA4	30000	9529
42.9	1604	1.6	41.07	S122	TP132M4	30000	9529
42.6	1614	1.6	41.07	S122	TS132MA4	30000	9541
40.4	1703	1.5	43.60	S122	TH132MA4	30000	9647
40.4	1703	1.5	43.60	S122	TP132M4	30000	9647
40.1	1713	1.5	43.60	S122	TS132MA4	30000	9658
35.9	1916	1.1	49.04	S122	TH132MA4	30000	9872
35.9	1916	1.1	49.04	S122	TP132M4	30000	9872
35.7	1927	1.1	49.04	S122	TS132MA4	30000	9882
32.7	2100	1.1	53.75	S122	TH132MA4	30000	10040
32.7	2100	1.1	53.75	S122	TP132M4	30000	10040
32.6	2112	1.1	53.75	S122	TS132MA4	30000	10050

9.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
239.8	352	1.1	7.34	S082	TH132MB4	11675	3336
238.5	354	1.1	7.34	S082	TS132MB4	11693	3341
218.3	386	1.1	8.06	S082	TH132MB4	11966	3419
218.3	386	1.6	8.06	S102	TH132MB4	15103	4315

5.2 S GEARED MOTORS (60Hz)

9.20 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
217.1	389	1.1	8.06	S082	TS132MB4	11983	3424
217.1	389	1.6	8.06	S102	TS132MB4	15128	4322
199.0	424	1.5	8.85	S102	TH132MB4	15507	4430
197.8	426	1.5	8.85	S102	TS132MB4	15532	4438
161.7	522	1.3	10.88	S102	TH132MB4	16429	4694
160.8	525	1.3	10.88	S102	TS132MB4	16455	4701
138.0	611	1.2	12.75	S102	TH132MB4	17150	4900
137.3	615	1.2	12.75	S102	TS132MB4	17176	4908
125.8	670	1.3	13.99	S102	TH132MB4	17578	5022
125.1	674	1.3	13.99	S102	TS132MB4	17605	5030
102.3	825	1.1	17.21	S102	TH132MB4	18546	5299
101.7	830	1.1	17.21	S102	TS132MB4	18572	5306
92.6	911	1.1	19.00	S102	TH132MB4	19009	5431
92.1	916	1.1	19.00	S102	TS132MB4	19036	5439
82.8	1018	2.0	21.25	S122	TH132MB4	27868	7962
82.4	1024	2.0	21.25	S122	TS132MB4	27906	7973
75.6	1116	1.9	23.29	S122	TH132MB4	28473	8135
75.1	1123	1.9	23.29	S122	TS132MB4	28510	8146
67.3	1253	1.7	26.15	S122	TH132MB4	29228	8351
66.9	1261	1.7	26.15	S122	TS132MB4	29265	8361
61.5	1371	1.6	28.60	S122	TH132MB4	29801	8515
61.2	1378	1.6	28.60	S122	TS132MB4	29837	8525
57.7	1462	1.8	30.51	S122	TH132MB4	30000	8631
57.4	1471	1.7	30.51	S122	TS132MB4	30000	8642
52.6	1603	1.6	33.44	S122	TH132MB4	30000	8793
52.3	1612	1.6	33.44	S122	TS132MB4	30000	8803
50.0	1687	1.5	35.20	S122	TH132MB4	30000	8881
49.7	1697	1.5	35.20	S122	TS132MB4	30000	8891
42.9	1968	1.3	41.07	S122	TH132MB4	30000	9136
42.6	1979	1.3	41.07	S122	TS132MB4	30000	9145
40.4	2089	1.2	43.60	S122	TH132MB4	30000	9229
40.1	2101	1.2	43.60	S122	TS132MB4	30000	9238

11.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
215.8	467	1.3	8.06	S102	TS132MC4	14954	4273
215.8	467	1.3	8.06	S102	TS160S4	14954	4273
205.1	492	2.2	8.48	S122	TS160S4	21657	6188
196.7	513	1.3	8.85	S102	TS132MC4	15339	4383
196.7	513	1.3	8.85	S102	TS160S4	15339	4383

5.2 S GEARED MOTORS (60Hz)

11.00 kW

n2 [rpm]	M2 [Nm]	fs	i	Gear reducer	Motor	Fr2 D [N]	Fr2 C-L [N]
187.2	539	2.3	9.30	S122	TS160S4	22201	6343
159.9	631	1.1	10.88	S102	TS132MC4	16213	4632
159.9	631	1.1	10.88	S102	TS160S4	16213	4632
152.4	662	2.1	11.42	S122	TS160S4	23436	6696
137.8	732	2.2	12.63	S122	TS160S4	24047	6871
125.7	802	2.2	13.84	S122	TS160S4	24605	7030
124.4	811	1.1	13.99	S102	TS132MC4	17287	4939
124.4	811	1.1	13.99	S102	TS160S4	17287	4939
102.4	985	1.9	16.99	S122	TS160S4	25850	7386
81.9	1232	1.6	21.25	S122	TS132MC4	27180	7766
81.9	1232	1.6	21.25	S122	TS160S4	27180	7766
74.7	1350	1.6	23.29	S122	TS132MC4	27711	7917
74.7	1350	1.6	23.29	S122	TS160S4	27711	7917
66.5	1516	1.4	26.15	S122	TS132MC4	28362	8103
66.5	1516	1.4	26.15	S122	TS160S4	28362	8103
60.8	1658	1.3	28.60	S122	TS132MC4	28846	8242
60.8	1658	1.3	28.60	S122	TS160S4	28846	8242
57.0	1768	1.4	30.51	S122	TS132MC4	29185	8339
57.0	1768	1.4	30.51	S122	TS160S4	29185	8339
52.0	1938	1.3	33.44	S122	TS132MC4	29644	8470
52.0	1938	1.3	33.44	S122	TS160S4	29644	8470
49.4	2040	1.3	35.20	S122	TS160S4	29888	8540
49.4	2040	1.3	35.20	S122	TS132MC4	29888	8540
42.4	2380	1.1	41.07	S122	TS132MC4	30000	8732
42.4	2380	1.1	41.07	S122	TS160S4	30000	8732
39.9	2527	1.0	43.60	S122	TS132MC4	30000	8799

5.3 IS GEAR REDUCER - 1750 RPM

IS052

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
123	8.63	2.72	202.9	759	3125	3125
137	11.14	2.35	157.1	846	3373	3373
152	13.66	2.12	128.2	901	3570	3570
174	15.27	2.17	114.6	890	3584	3584
174	16.29	2.04	107.5	922	3689	3689
174	18.63	1.78	93.9	983	3916	3916
188	21.04	1.71	83.2	1000	4020	4020
188	24.07	1.49	72.7	1051	4267	4267
208	25.79	1.54	67.9	1037	4234	4234
208	27.81	1.43	62.9	1064	4381	4381
208	30.00	1.32	58.3	1089	4532	4532
256	32.55	1.50	53.8	1104	4644	4644
282	36.55	1.47	47.9	1110	4725	4725
298	39.90	1.43	43.9	1118	4808	4808
298	42.63	1.33	41.1	1137	4956	4956
298	47.20	1.21	37.1	1163	5191	5191
298	52.25	1.09	33.5	1186	5433	5433
298	57.86	0.98	30.2	1208	5685	5685
298	72.83	0.78	24.0	1249	6000	6000

IS053

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
300	74.20	0.79	23.6	1251	6000	6000
298	95.84	0.61	18.3	1286	6000	6000
296	117.48	0.49	14.9	1309	6000	6000
300	137.45	0.43	12.7	1323	6000	6000
300	177.55	0.33	9.9	1342	6000	6000
304	198.45	0.30	8.8	1348	6000	6000
298	217.64	0.27	8.0	1354	6000	6000
294	256.33	0.22	6.8	1362	6000	6000
292	314.21	0.18	5.6	1370	6000	6000

IS062

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
238	8.00	5.68	218.8	413	4832	1933
260	9.55	5.20	183.3	499	5061	2024
282	11.71	4.60	149.5	605	5385	2154
302	13.36	4.32	131.0	650	5548	2219

5.3 IS GEAR REDUCER - 1750 RPM

IS062

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
324	15.94	3.88	109.8	727	5853	2341
332	19.55	3.24	89.5	841	6388	2555
338	23.18	2.78	75.5	920	6856	2742
346	25.14	2.63	69.6	948	7059	2824
346	27.66	2.39	63.3	990	7376	2950
360	30.00	2.29	58.3	1007	7536	3014
510	36.57	2.66	47.9	1013	7650	3060
510	39.38	2.47	44.4	1041	7927	3171
510	43.64	2.23	40.1	1077	8324	3329
510	46.10	2.11	38.0	1095	8541	3416
510	53.53	1.82	32.7	1138	9154	3661
510	55.00	1.77	31.8	1146	9268	3707
510	67.47	1.44	25.9	1194	10000	4000

IS063

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
510	81.43	1.22	21.5	1231	10000	4000
510	99.89	1.00	17.5	1264	10000	4000
510	126.43	0.79	13.8	1294	10000	4000
510	150.85	0.66	11.6	1313	10000	4000
515	185.05	0.54	9.5	1331	10000	4000
510	217.79	0.46	8.0	1342	10000	4000
510	267.16	0.37	6.5	1355	10000	4000

IS082

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
396	7.34	10.30	238.4	1365	11156	3188
432	8.06	10.23	217.1	1376	11407	3259
470	9.94	9.02	176.0	1572	12203	3487
505	11.61	8.31	150.8	1681	12792	3655
540	12.75	8.08	137.2	1714	13109	3745
555	17.29	6.13	101.2	2023	14680	4194
555	20.14	5.26	86.9	2159	15559	4445
575	22.13	4.96	79.1	2204	16032	4580
575	24.00	4.57	72.9	2265	16535	4724
650	27.29	4.55	64.1	2273	17049	4871
650	28.67	4.33	61.0	2308	17375	4964
850	31.78	5.11	55.1	2306	17762	5075

5.3 IS GEAR REDUCER - 1750 RPM

IS082

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
850	34.91	4.65	50.1	2367	18000	5263
850	40.05	4.05	43.7	2447	18000	5548
850	43.05	3.77	40.6	2484	18000	5703
850	50.25	3.23	34.8	2556	18000	6047
850	54.27	2.99	32.2	2588	18000	6226
850	61.98	2.62	28.2	2638	18000	6544

IS083

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
850	67.52	2.45	25.9	2667	18000	6757
850	74.18	2.23	23.6	2695	18000	6998
850	91.49	1.81	19.1	2750	18000	7200
850	117.17	1.41	14.9	2802	18000	7200
850	128.73	1.29	13.6	2819	18000	7200
850	158.76	1.04	11.0	2851	18000	7200
850	184.88	0.90	9.5	2870	18000	7200
855	203.11	0.82	8.6	2881	18000	7200
850	250.50	0.66	7.0	2901	18000	7200
845	292.36	0.56	6.0	2913	18000	7200
845	315.73	0.52	5.5	2919	18000	7200
845	360.58	0.46	4.8	2927	18000	7200

IS102

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
610	8.06	14.44	217.1	788	14063	4018
650	8.85	14.03	197.8	865	14442	4126
685	10.88	12.01	160.8	1166	15499	4428
720	12.75	10.78	137.2	1351	16332	4666
865	13.99	11.80	125.1	1198	16427	4694
940	17.21	10.42	101.7	1412	17554	5015
1010	19.00	10.15	92.1	1450	17997	5142
1010	22.13	8.71	79.1	1668	19100	5457
1080	24.28	8.49	72.1	1699	19556	5588
1080	26.33	7.83	66.5	1800	20188	5768
1080	29.87	6.90	58.6	1940	21200	6057
1280	32.40	7.54	54.0	2022	21877	6250
1195	34.91	6.53	50.1	2152	22000	6502
1280	38.30	6.38	45.7	2171	22000	6665

5.3 IS GEAR REDUCER - 1750 RPM

IS102

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1110	44.00	4.82	39.8	2372	22000	7165
1365	47.13	5.53	37.1	2280	22000	7141
1110	55.14	3.84	31.7	2497	22000	7789
1365	59.40	4.39	29.5	2426	22000	7796
1365	67.84	3.84	25.8	2496	22000	8196

IS103

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1365	74.18	3.59	23.6	2539	22000	8474
1365	81.39	3.27	21.5	2578	22000	8773
1365	100.15	2.66	17.5	2655	22000	9000
1365	110.55	2.41	15.8	2687	22000	9000
1365	128.73	2.07	13.6	2729	22000	9000
1365	141.24	1.88	12.4	2752	22000	9000
1370	173.78	1.54	10.1	2797	22000	9000
1365	203.11	1.31	8.6	2824	22000	9000
1365	222.85	1.19	7.8	2839	22000	9000
1365	274.20	0.97	6.4	2867	22000	9000
1370	320.79	0.83	5.5	2885	22000	9000
1360	345.60	0.77	5.1	2892	22000	9000
1360	394.69	0.67	4.4	2904	22000	9000

IS122

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1080	8.48	24.30	206.3	3012	18134	5181
1225	9.30	25.15	188.2	2979	18143	5184
1370	11.42	22.91	153.3	3068	19127	5465
1590	12.63	24.04	138.6	3026	18934	5410
1735	13.84	23.93	126.5	3030	19045	5441
1880	16.99	21.12	103.0	3140	20267	5791
2020	21.25	18.14	82.3	3255	21815	6233
2095	23.29	17.17	75.1	3294	22436	6410
2165	26.15	15.80	66.9	3347	23357	6674
2165	28.60	14.45	61.2	3400	24377	6965
2560	30.51	16.01	57.4	3435	25134	7181
2560	33.44	14.61	52.3	3482	26235	7496
2560	35.20	13.88	49.7	3506	26863	7675
2560	41.07	11.90	42.6	3571	28822	8235

5.3 IS GEAR REDUCER - 1750 RPM

IS122

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
2560	43.60	11.21	40.1	3594	29610	8460
2050	49.04	7.98	35.7	3702	30000	9526
2220	53.75	7.88	32.6	3705	30000	9690
2560	66.00	7.40	26.5	3720	30000	10148

IS123

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
2305	71.07	6.32	24.6	3761	30000	10780
2560	87.27	5.72	20.1	3780	30000	11200
2560	112.52	4.44	15.6	3822	30000	11200
2560	123.33	4.05	14.2	3834	30000	11200
2565	133.78	3.74	13.1	3845	30000	11200
2560	151.43	3.30	11.6	3859	30000	11200
2565	177.53	2.82	9.9	3874	30000	11200
2555	194.59	2.56	9.0	3882	30000	11200
2565	238.93	2.09	7.3	3898	30000	11200

5.4 IS GEAR REDUCER - 1400 RPM

IS052

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
123	8.63	2.18	162.3	718	3375	3375
137	11.14	1.88	125.7	810	3644	3644
152	13.66	1.70	102.5	869	3857	3857
174	15.27	1.74	91.7	857	3874	3874
174	16.29	1.63	86.0	891	3987	3987
174	18.63	1.43	75.1	956	4231	4231
188	21.04	1.36	66.5	974	4345	4345
188	24.07	1.19	58.2	1029	4611	4611
208	25.79	1.23	54.3	1013	4578	4578
208	27.81	1.14	50.3	1042	4736	4736
208	30.00	1.06	46.7	1069	4898	4898
256	32.55	1.20	43.0	1084	5020	5020
282	36.55	1.18	38.3	1091	5109	5109
298	39.90	1.14	35.1	1100	5200	5200
298	42.63	1.07	32.8	1119	5359	5359
298	47.20	0.96	29.7	1147	5612	5612
298	52.25	0.87	26.8	1172	5873	5873
298	57.86	0.79	24.2	1195	6000	6000
298	72.83	0.62	19.2	1238	6000	6000

IS053

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
300	74.20	0.63	18.9	1242	6000	6000
298	95.84	0.48	14.6	1279	6000	6000
296	117.48	0.39	11.9	1302	6000	6000
300	137.45	0.34	10.2	1317	6000	6000
300	177.55	0.26	7.9	1338	6000	6000
304	198.45	0.24	7.0	1345	6000	6000
298	217.64	0.21	6.4	1350	6000	6000
294	256.33	0.18	5.5	1359	6000	6000
292	314.21	0.14	4.5	1367	6000	6000

IS062

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
238	8.00	4.54	175.0	350	5225	2090
260	9.55	4.16	146.7	441	5474	2190
282	11.71	3.68	119.6	554	5825	2330
302	13.36	3.45	104.8	602	6004	2401

5.4 IS GEAR REDUCER - 1400 RPM

IS062

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
324	15.94	3.10	87.8	684	6334	2533
332	19.55	2.59	71.6	805	6911	2764
338	23.18	2.23	60.4	888	7415	2966
346	25.14	2.10	55.7	919	7635	3054
346	27.66	1.91	50.6	963	7976	3190
360	30.00	1.83	46.7	981	8149	3260
510	36.57	2.13	38.3	988	8280	3312
510	39.38	1.98	35.6	1018	8578	3431
510	43.64	1.78	32.1	1056	9005	3602
510	46.10	1.69	30.4	1075	9239	3695
510	53.53	1.45	26.1	1121	9898	3959
510	55.00	1.42	25.4	1129	10000	4000
510	67.47	1.15	20.8	1181	10000	4000

IS063

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
510	81.43	0.98	17.2	1220	10000	4000
510	99.89	0.80	14.0	1255	10000	4000
510	126.43	0.63	11.1	1287	10000	4000
510	150.85	0.53	9.3	1307	10000	4000
515	185.05	0.43	7.6	1326	10000	4000
510	217.79	0.37	6.4	1338	10000	4000
510	267.16	0.30	5.2	1351	10000	4000

IS082

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
396	7.34	8.24	190.8	1261	12030	3437
432	8.06	8.18	173.6	1273	12302	3515
470	9.94	7.22	140.8	1482	13161	3760
505	11.61	6.64	120.6	1598	13797	3942
540	12.75	6.47	109.8	1632	14140	4040
555	17.29	4.90	81.0	1962	15832	4523
555	20.14	4.21	69.5	2107	16778	4794
575	22.13	3.97	63.3	2154	17288	4939
575	24.00	3.66	58.3	2219	17830	5094
650	27.29	3.64	51.3	2228	18000	5253
650	28.67	3.46	48.8	2264	18000	5354
850	31.78	4.08	44.1	2262	18000	5474

5.4 IS GEAR REDUCER - 1400 RPM

IS082

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
850	34.91	3.72	40.1	2327	18000	5676
850	40.05	3.24	35.0	2412	18000	5983
850	43.05	3.01	32.5	2452	18000	6150
850	50.25	2.58	27.9	2529	18000	6521
850	54.27	2.39	25.8	2563	18000	6712
850	61.98	2.09	22.6	2616	18000	7055

IS083

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
850	67.52	1.96	20.7	2646	18000	7200
850	74.18	1.79	18.9	2677	18000	7200
850	91.49	1.45	15.3	2735	18000	7200
850	117.17	1.13	11.9	2791	18000	7200
850	128.73	1.03	10.9	2808	18000	7200
850	158.76	0.83	8.8	2842	18000	7200
850	184.88	0.72	7.6	2863	18000	7200
855	203.11	0.66	6.9	2874	18000	7200
850	250.50	0.53	5.6	2895	18000	7200
845	292.36	0.45	4.8	2908	18000	7200
845	315.73	0.42	4.4	2914	18000	7200
845	360.58	0.37	3.9	2923	18000	7200

IS102

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
610	8.06	11.55	173.6	647	15163	4332
650	8.85	11.22	158.3	729	15574	4450
685	10.88	9.61	128.6	1050	16712	4775
720	12.75	8.62	109.8	1247	17610	5032
865	13.99	9.44	100.1	1084	17719	5063
940	17.21	8.34	81.3	1311	18935	5410
1010	19.00	8.12	73.7	1352	19415	5547
1010	22.13	6.97	63.3	1583	20603	5886
1080	24.28	6.79	57.7	1616	21097	6028
1080	26.33	6.26	53.2	1724	21777	6222
1080	29.87	5.52	46.9	1873	22000	6533
1280	32.40	6.03	43.2	1961	22000	6741
1195	34.91	5.23	40.1	2098	22000	7011
1280	38.30	5.10	36.5	2119	22000	7187

5.4 IS GEAR REDUCER - 1400 RPM

IS102

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1110	44.00	3.85	31.8	2333	22000	7724
1365	47.13	4.42	29.7	2235	22000	7701
1110	55.14	3.07	25.4	2465	22000	8396
1365	59.40	3.51	23.6	2391	22000	8406
1365	67.84	3.07	20.6	2465	22000	8836

IS103

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1365	74.18	2.87	18.9	2510	22000	9000
1365	81.39	2.62	17.2	2552	22000	9000
1365	100.15	2.13	14.0	2634	22000	9000
1365	110.55	1.93	12.7	2667	22000	9000
1365	128.73	1.65	10.9	2713	22000	9000
1365	141.24	1.51	9.9	2737	22000	9000
1370	173.78	1.23	8.1	2784	22000	9000
1365	203.11	1.05	6.9	2814	22000	9000
1365	222.85	0.96	6.3	2829	22000	9000
1365	274.20	0.78	5.1	2859	22000	9000
1370	320.79	0.67	4.4	2878	22000	9000
1360	345.60	0.61	4.0	2886	22000	9000
1360	394.69	0.54	3.5	2899	22000	9000

IS122

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1080	8.48	19.44	165.1	2951	19587	5596
1225	9.30	20.12	150.6	2916	19606	5602
1370	11.42	18.33	122.6	3010	20674	5907
1590	12.63	19.23	110.9	2966	20480	5851
1735	13.84	19.14	101.2	2970	20608	5888
1880	16.99	16.89	82.4	3087	21932	6266
2020	21.25	14.52	65.9	3209	23608	6745
2095	23.29	13.74	60.1	3251	24280	6937
2165	26.15	12.64	53.5	3307	25277	7222
2165	28.60	11.56	49.0	3364	26374	7535
2560	30.51	12.81	45.9	3401	27189	7768
2560	33.44	11.69	41.9	3451	28374	8107
2560	35.20	11.11	39.8	3476	29050	8300
2560	41.07	9.52	34.1	3546	30000	8903

5.4 IS GEAR REDUCER - 1400 RPM

IS122

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
2560	43.60	8.97	32.1	3571	30000	9145
2050	49.04	6.38	28.6	3685	30000	10285
2220	53.75	6.31	26.1	3688	30000	10464
2560	66.00	5.92	21.2	3705	30000	10962

IS123

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
2305	71.07	5.06	19.7	3748	30000	11200
2560	87.27	4.57	16.0	3768	30000	11200
2560	112.52	3.55	12.4	3813	30000	11200
2560	123.33	3.24	11.3	3826	30000	11200
2565	133.78	2.99	10.5	3837	30000	11200
2560	151.43	2.64	9.2	3852	30000	11200
2565	177.53	2.25	7.9	3869	30000	11200
2555	194.59	2.05	7.2	3877	30000	11200
2565	238.93	1.67	5.9	3894	30000	11200

5.5 IS GEAR REDUCER - 1140 RPM

IS052

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
123	8.63	1.77	132.2	700	3657	3657
137	11.14	1.53	102.3	795	3949	3949
152	13.66	1.38	83.5	855	4183	4183
174	15.27	1.42	74.6	843	4209	4209
174	16.29	1.33	70.0	878	4330	4330
174	18.63	1.16	61.2	945	4591	4591
188	21.04	1.11	54.2	964	4718	4718
188	24.07	0.97	47.4	1019	5003	5003
208	25.79	1.00	44.2	1003	4975	4975
208	27.81	0.93	41.0	1033	5144	5144
208	30.00	0.86	38.0	1060	5318	5318
256	32.55	0.98	35.0	1076	5451	5451
282	36.55	0.96	31.2	1083	5554	5554
298	39.90	0.93	28.6	1092	5656	5656
298	42.63	0.87	26.7	1112	5827	5827
298	47.20	0.78	24.1	1141	6000	6000
298	52.25	0.71	21.8	1166	6000	6000
298	57.86	0.64	19.7	1190	6000	6000
298	72.83	0.51	15.7	1234	6000	6000

IS053

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
300	74.20	0.51	15.4	1237	6000	6000
298	95.84	0.39	11.9	1276	6000	6000
296	117.48	0.32	9.7	1300	6000	6000
300	137.45	0.28	8.3	1315	6000	6000
300	177.55	0.21	6.4	1336	6000	6000
304	198.45	0.19	5.7	1343	6000	6000
298	217.64	0.17	5.2	1349	6000	6000
294	256.33	0.15	4.5	1357	6000	6000
292	314.21	0.12	3.6	1367	6000	6000

IS062

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
238	8.00	3.70	142.5	323	5686	2275
260	9.55	3.39	119.4	416	5962	2385
282	11.71	2.99	97.4	532	6346	2538
302	13.36	2.81	85.3	581	6545	2618

5.5 IS GEAR REDUCER - 1140 RPM

IS062

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
324	15.94	2.53	71.5	666	6907	2763
332	19.55	2.11	58.3	790	7527	3011
338	23.18	1.81	49.2	875	8070	3228
346	25.14	1.71	45.3	906	8308	3323
346	27.66	1.56	41.2	952	8673	3469
360	30.00	1.49	38.0	970	8864	3545
510	36.57	1.73	31.2	977	9032	3613
510	39.38	1.61	28.9	1008	9351	3740
510	43.64	1.45	26.1	1047	9808	3923
510	46.10	1.38	24.7	1066	10000	4000
510	53.53	1.18	21.3	1114	10000	4000
510	55.00	1.15	20.7	1122	10000	4000
510	67.47	0.94	16.9	1175	10000	4000

IS063

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
510	81.43	0.80	14.0	1215	10000	4000
510	99.89	0.65	11.4	1251	10000	4000
510	126.43	0.51	9.0	1284	10000	4000
510	150.85	0.43	7.6	1304	10000	4000
515	185.05	0.35	6.2	1324	10000	4000
510	217.79	0.30	5.2	1336	10000	4000
510	267.16	0.24	4.3	1350	10000	4000

IS082

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
396	7.34	6.71	155.3	1218	12956	3702
432	8.06	6.66	141.4	1230	13254	3787
470	9.94	5.88	114.6	1444	14180	4052
505	11.61	5.41	98.2	1563	14869	4248
540	12.75	5.27	89.4	1599	15243	4355
555	17.29	3.99	65.9	1936	17056	4873
555	20.14	3.43	56.6	2085	18000	5163
575	22.13	3.23	51.5	2134	18000	5320
575	24.00	2.98	47.5	2200	18000	5485
650	27.29	2.96	41.8	2209	18000	5660
650	28.67	2.82	39.8	2246	18000	5767
850	31.78	3.33	35.9	2244	18000	5900

5.5 IS GEAR REDUCER - 1140 RPM

IS082

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
850	34.91	3.03	32.7	2311	18000	6116
850	40.05	2.64	28.5	2398	18000	6445
850	43.05	2.45	26.5	2439	18000	6624
850	50.25	2.10	22.7	2517	18000	7020
850	54.27	1.95	21.0	2552	18000	7200
850	61.98	1.71	18.4	2606	18000	7200

IS083

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
850	67.52	1.60	16.9	2638	18000	7200
850	74.18	1.46	15.4	2669	18000	7200
850	91.49	1.18	12.5	2729	18000	7200
850	117.17	0.92	9.7	2786	18000	7200
850	128.73	0.84	8.9	2804	18000	7200
850	158.76	0.68	7.2	2838	18000	7200
850	184.88	0.58	6.2	2859	18000	7200
855	203.11	0.53	5.6	2871	18000	7200
850	250.50	0.43	4.5	2893	18000	7200
845	292.36	0.37	3.9	2906	18000	7200
845	315.73	0.34	3.6	2912	18000	7200
845	360.58	0.30	3.2	2922	18000	7200

IS102

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
610	8.06	9.41	141.4	589	16327	4665
650	8.85	9.14	128.9	673	16772	4792
685	10.88	7.83	104.7	1002	17996	5142
720	12.75	7.02	89.4	1203	18963	5418
865	13.99	7.69	81.5	1036	19103	5458
940	17.21	6.79	66.2	1269	20416	5833
1010	19.00	6.61	60.0	1311	20941	5983
1010	22.13	5.68	51.5	1548	22000	6346
1080	24.28	5.53	47.0	1582	22000	6501
1080	26.33	5.10	43.3	1692	22000	6709
1080	29.87	4.50	38.2	1845	22000	7042
1280	32.40	4.91	35.2	1935	22000	7264
1195	34.91	4.26	32.7	2076	22000	7550
1280	38.30	4.16	29.8	2097	22000	7742

5.5 IS GEAR REDUCER - 1140 RPM

IS102

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1110	44.00	3.14	25.9	2316	22000	8309
1365	47.13	3.60	24.2	2216	22000	8295
1110	55.14	2.50	20.7	2452	22000	9000
1365	59.40	2.86	19.2	2376	22000	9000
1365	67.84	2.50	16.8	2452	22000	9000

IS103

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1365	74.18	2.34	15.4	2498	22000	9000
1365	81.39	2.13	14.0	2541	22000	9000
1365	100.15	1.73	11.4	2625	22000	9000
1365	110.55	1.57	10.3	2659	22000	9000
1365	128.73	1.35	8.9	2706	22000	9000
1365	141.24	1.23	8.1	2731	22000	9000
1370	173.78	1.00	6.6	2779	22000	9000
1365	203.11	0.85	5.6	2810	22000	9000
1365	222.85	0.78	5.1	2825	22000	9000
1365	274.20	0.63	4.2	2856	22000	9000
1370	320.79	0.54	3.5	2875	22000	9000
1360	345.60	0.50	3.3	2883	22000	9000
1360	394.69	0.44	2.9	2897	22000	9000

IS122

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1080	8.48	15.83	134.4	2925	21217	6062
1225	9.30	16.38	122.6	2890	21272	6078
1370	11.42	14.92	99.9	2987	22449	6414
1590	12.63	15.66	90.3	2941	22293	6369
1735	13.84	15.59	82.4	2945	22464	6418
1880	16.99	13.76	67.1	3066	23915	6833
2020	21.25	11.82	53.6	3190	25743	7355
2095	23.29	11.18	48.9	3233	26480	7566
2165	26.15	10.29	43.6	3291	27563	7875
2165	28.60	9.41	39.9	3349	28737	8211
2560	30.51	10.43	37.4	3387	29609	8460
2560	33.44	9.52	34.1	3438	30000	8822
2560	35.20	9.04	32.4	3464	30000	9029
2560	41.07	7.75	27.8	3536	30000	9674

5.5 IS GEAR REDUCER - 1140 RPM

IS122

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
2560	43.60	7.30	26.1	3561	30000	9933
2050	49.04	5.20	23.2	3678	30000	11123
2220	53.75	5.14	21.2	3681	30000	11200
2560	66.00	4.82	17.3	3698	30000	11200

IS123

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
2305	71.07	4.12	16.0	3742	30000	11200
2560	87.27	3.73	13.1	3763	30000	11200
2560	112.52	2.89	10.1	3809	30000	11200
2560	123.33	2.64	9.2	3822	30000	11200
2565	133.78	2.43	8.5	3834	30000	11200
2560	151.43	2.15	7.5	3849	30000	11200
2565	177.53	1.83	6.4	3866	30000	11200
2555	194.59	1.67	5.9	3875	30000	11200
2565	238.93	1.36	4.8	3892	30000	11200

5.6 IS GEAR REDUCER - 900 RPM

IS052

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
123	8.63	1.39	104.3	683	4011	4011
137	11.14	1.20	80.8	781	4334	4334
152	13.66	1.08	65.9	842	4593	4593
174	15.27	1.11	58.9	830	4631	4631
174	16.29	1.04	55.3	866	4762	4762
174	18.63	0.91	48.3	934	5045	5045
188	21.04	0.87	42.8	953	5189	5189
188	24.07	0.76	37.4	1010	5496	5496
208	25.79	0.78	34.9	994	5476	5476
208	27.81	0.73	32.4	1024	5659	5659
208	30.00	0.67	30.0	1052	5848	5848
256	32.55	0.76	27.6	1068	5994	5994
282	36.55	0.75	24.6	1075	6000	6000
298	39.90	0.73	22.6	1084	6000	6000
298	42.63	0.68	21.1	1105	6000	6000
298	47.20	0.61	19.1	1134	6000	6000
298	52.25	0.55	17.2	1161	6000	6000
298	57.86	0.50	15.6	1184	6000	6000
298	72.83	0.40	12.4	1230	6000	6000

IS053

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
300	74.20	0.40	12.1	1233	6000	6000
298	95.84	0.31	9.4	1272	6000	6000
296	117.48	0.25	7.7	1297	6000	6000
300	137.45	0.22	6.5	1313	6000	6000
300	177.55	0.17	5.1	1334	6000	6000
304	198.45	0.15	4.5	1342	6000	6000
298	217.64	0.14	4.1	1347	6000	6000
294	256.33	0.11	3.5	1356	6000	6000
292	314.21	0.09	2.9	1366	6000	6000

IS062

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
238	8.00	2.89	112.5	297	6269	2508
260	9.55	2.65	94.3	392	6578	2631
282	11.71	2.34	76.9	511	7004	2802
302	13.36	2.20	67.4	561	7231	2892

5.6 IS GEAR REDUCER - 900 RPM

IS062

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
324	15.94	1.98	56.5	648	7633	3053
332	19.55	1.65	46.0	775	8308	3323
338	23.18	1.42	38.8	862	8898	3559
346	25.14	1.34	35.8	894	9159	3663
346	27.66	1.22	32.5	941	9553	3821
360	30.00	1.17	30.0	960	9767	3907
510	36.57	1.36	24.6	967	9986	3994
510	39.38	1.26	22.9	998	10000	4000
510	43.64	1.14	20.6	1038	10000	4000
510	46.10	1.08	19.5	1058	10000	4000
510	53.53	0.93	16.8	1107	10000	4000
510	55.00	0.90	16.4	1115	10000	4000
510	67.47	0.73	13.3	1169	10000	4000

IS063

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
510	81.43	0.62	11.1	1210	10000	4000
510	99.89	0.51	9.0	1247	10000	4000
510	126.43	0.40	7.1	1281	10000	4000
510	150.85	0.34	6.0	1302	10000	4000
515	185.05	0.28	4.9	1321	10000	4000
510	217.79	0.23	4.1	1335	10000	4000
510	267.16	0.19	3.4	1348	10000	4000

IS082

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
396	7.34	5.24	122.6	1175	14112	4032
432	8.06	5.21	111.6	1188	14444	4127
470	9.94	4.59	90.5	1406	15455	4416
505	11.61	4.23	77.5	1529	16209	4631
540	12.75	4.12	70.6	1565	16623	4749
555	17.29	3.12	52.0	1910	18000	5311
555	20.14	2.68	44.7	2063	18000	5623
575	22.13	2.53	40.7	2113	18000	5795
575	24.00	2.33	37.5	2181	18000	5974
650	27.29	2.32	33.0	2190	18000	6168
650	28.67	2.20	31.4	2228	18000	6285
850	31.78	2.60	28.3	2226	18000	6433

5.6 IS GEAR REDUCER - 900 RPM

IS082

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
850	34.91	2.37	25.8	2294	18000	6667
850	40.05	2.06	22.5	2383	18000	7022
850	43.05	1.92	20.9	2425	18000	7200
850	50.25	1.64	17.9	2506	18000	7200
850	54.27	1.52	16.6	2542	18000	7200
850	61.98	1.33	14.5	2597	18000	7200

IS083

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
850	67.52	1.25	13.3	2629	18000	7200
850	74.18	1.14	12.1	2661	18000	7200
850	91.49	0.92	9.8	2723	18000	7200
850	117.17	0.72	7.7	2781	18000	7200
850	128.73	0.66	7.0	2799	18000	7200
850	158.76	0.53	5.7	2835	18000	7200
850	184.88	0.46	4.9	2856	18000	7200
855	203.11	0.42	4.4	2868	18000	7200
850	250.50	0.34	3.6	2891	18000	7200
845	292.36	0.29	3.1	2904	18000	7200
845	315.73	0.27	2.9	2911	18000	7200
845	360.58	0.23	2.5	2920	18000	7200

IS102

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
610	8.06	7.35	111.6	530	17780	5080
650	8.85	7.14	101.7	616	18268	5220
685	10.88	6.12	82.7	953	19599	5600
720	12.75	5.49	70.6	1160	20652	5901
865	13.99	6.01	64.3	988	20834	5953
940	17.21	5.31	52.3	1227	22000	6362
1010	19.00	5.17	47.4	1270	22000	6529
1010	22.13	4.44	40.7	1513	22000	6922
1080	24.28	4.32	37.1	1548	22000	7093
1080	26.33	3.99	34.2	1660	22000	7318
1080	29.87	3.51	30.1	1818	22000	7678
1280	32.40	3.84	27.8	1909	22000	7918
1195	34.91	3.33	25.8	2054	22000	8223
1280	38.30	3.25	23.5	2076	22000	8434

5.6 IS GEAR REDUCER - 900 RPM

IS102

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1110	44.00	2.45	20.4	2300	22000	9000
1365	47.13	2.82	19.1	2197	22000	9000
1110	55.14	1.96	16.3	2439	22000	9000
1365	59.40	2.23	15.2	2361	22000	9000
1365	67.84	1.96	13.3	2439	22000	9000

IS103

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1365	74.18	1.83	12.1	2486	22000	9000
1365	81.39	1.66	11.1	2530	22000	9000
1365	100.15	1.35	9.0	2616	22000	9000
1365	110.55	1.23	8.1	2651	22000	9000
1365	128.73	1.05	7.0	2699	22000	9000
1365	141.24	0.96	6.4	2725	22000	9000
1370	173.78	0.78	5.2	2774	22000	9000
1365	203.11	0.67	4.4	2805	22000	9000
1365	222.85	0.61	4.0	2821	22000	9000
1365	274.20	0.49	3.3	2853	22000	9000
1370	320.79	0.42	2.8	2873	22000	9000
1360	345.60	0.39	2.6	2881	22000	9000
1360	394.69	0.34	2.3	2894	22000	9000

IS122

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1080	8.48	12.38	106.1	2900	23269	6648
1225	9.30	12.81	96.8	2864	23372	6678
1370	11.42	11.66	78.8	2963	24689	7054
1590	12.63	12.24	71.3	2916	24586	7025
1735	13.84	12.19	65.0	2921	24815	7090
1880	16.99	10.75	53.0	3044	26428	7551
2020	21.25	9.24	42.4	3172	28448	8128
2095	23.29	8.74	38.6	3215	29267	8362
2165	26.15	8.05	34.4	3274	30000	8703
2165	28.60	7.36	31.5	3333	30000	9066
2560	30.51	8.15	29.5	3373	30000	9335
2560	33.44	7.44	26.9	3425	30000	9727
2560	35.20	7.07	25.6	3452	30000	9950
2560	41.07	6.06	21.9	3525	30000	10647

5.6 IS GEAR REDUCER - 900 RPM

IS122

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
2560	43.60	5.71	20.6	3551	30000	10928
2050	49.04	4.06	18.4	3671	30000	11200
2220	53.75	4.01	16.7	3674	30000	11200
2560	66.00	3.77	13.6	3692	30000	11200

IS123

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
2305	71.07	3.22	12.7	3737	30000	11200
2560	87.27	2.91	10.3	3758	30000	11200
2560	112.52	2.26	8.0	3805	30000	11200
2560	123.33	2.06	7.3	3819	30000	11200
2565	133.78	1.90	6.7	3830	30000	11200
2560	151.43	1.68	5.9	3846	30000	11200
2565	177.53	1.43	5.1	3864	30000	11200
2555	194.59	1.30	4.6	3873	30000	11200
2565	238.93	1.07	3.8	3890	30000	11200

5.7 IS GEAR REDUCER - 700 RPM

IS052

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
123	8.63	1.07	81.2	674	4435	4435
137	11.14	0.93	62.8	773	4795	4795
152	13.66	0.84	51.3	835	5086	5086
174	15.27	0.86	45.8	823	5141	5141
174	16.29	0.80	43.0	859	5283	5283
174	18.63	0.70	37.6	928	5590	5590
188	21.04	0.67	33.3	947	5756	5756
188	24.07	0.59	29.1	1005	6000	6000
208	25.79	0.61	27.1	989	6000	6000
208	27.81	0.56	25.2	1019	6000	6000
208	30.00	0.52	23.3	1047	6000	6000
256	32.55	0.59	21.5	1064	6000	6000
282	36.55	0.58	19.1	1071	6000	6000
298	39.90	0.56	17.5	1081	6000	6000
298	42.63	0.53	16.4	1101	6000	6000
298	47.20	0.47	14.8	1131	6000	6000
298	52.25	0.43	13.4	1158	6000	6000
298	57.86	0.39	12.1	1182	6000	6000
298	72.83	0.31	9.6	1228	6000	6000

IS053

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
300	74.20	0.31	9.4	1231	6000	6000
298	95.84	0.24	7.3	1271	6000	6000
296	117.48	0.19	6.0	1296	6000	6000
300	137.45	0.17	5.1	1312	6000	6000
300	177.55	0.13	3.9	1333	6000	6000
304	198.45	0.12	3.5	1341	6000	6000
298	217.64	0.11	3.2	1347	6000	6000
294	256.33	0.09	2.7	1356	6000	6000
292	314.21	0.07	2.2	1365	6000	6000

IS062

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
238	8.00	2.24	87.5	284	6975	2790
260	9.55	2.05	73.3	380	7325	2930
282	11.71	1.81	59.8	500	7803	3121
302	13.36	1.70	52.4	551	8065	3226

5.7 IS GEAR REDUCER - 700 RPM

IS062

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
324	15.94	1.53	43.9	639	8516	3407
332	19.55	1.28	35.8	767	9254	3702
338	23.18	1.10	30.2	856	9901	3960
346	25.14	1.04	27.8	888	10000	4000
346	27.66	0.94	25.3	935	10000	4000
360	30.00	0.90	23.3	954	10000	4000
510	36.57	1.05	19.1	961	10000	4000
510	39.38	0.97	17.8	993	10000	4000
510	43.64	0.88	16.0	1034	10000	4000
510	46.10	0.83	15.2	1054	10000	4000
510	53.53	0.72	13.1	1103	10000	4000
510	55.00	0.70	12.7	1111	10000	4000
510	67.47	0.57	10.4	1166	10000	4000

IS063

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
510	81.43	0.48	8.6	1208	10000	4000
510	99.89	0.39	7.0	1245	10000	4000
510	126.43	0.31	5.5	1279	10000	4000
510	150.85	0.26	4.6	1300	10000	4000
515	185.05	0.21	3.8	1320	10000	4000
510	217.79	0.18	3.2	1334	10000	4000
510	267.16	0.15	2.6	1348	10000	4000

IS082

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
396	7.34	4.06	95.4	1153	15474	4421
432	8.06	4.03	86.8	1166	15847	4528
470	9.94	3.56	70.4	1388	16959	4845
505	11.61	3.27	60.3	1511	17790	5083
540	12.75	3.19	54.9	1548	18000	5215
555	17.29	2.41	40.5	1898	18000	5826
555	20.14	2.07	34.8	2052	18000	6166
575	22.13	1.95	31.6	2102	18000	6355
575	24.00	1.80	29.2	2171	18000	6550
650	27.29	1.79	25.6	2180	18000	6768
650	28.67	1.71	24.4	2219	18000	6894
850	31.78	2.01	22.0	2217	18000	7063

5.7 IS GEAR REDUCER - 700 RPM

IS082

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
850	34.91	1.83	20.1	2286	18000	7200
850	40.05	1.60	17.5	2376	18000	7200
850	43.05	1.49	16.3	2419	18000	7200
850	50.25	1.27	13.9	2500	18000	7200
850	54.27	1.18	12.9	2536	18000	7200
850	61.98	1.03	11.3	2592	18000	7200

IS083

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
850	67.52	0.97	10.4	2625	18000	7200
850	74.18	0.88	9.4	2657	18000	7200
850	91.49	0.71	7.7	2720	18000	7200
850	117.17	0.56	6.0	2778	18000	7200
850	128.73	0.51	5.4	2797	18000	7200
850	158.76	0.41	4.4	2833	18000	7200
850	184.88	0.35	3.8	2855	18000	7200
855	203.11	0.32	3.5	2867	18000	7200
850	250.50	0.26	2.8	2889	18000	7200
845	292.36	0.22	2.4	2903	18000	7200
845	315.73	0.21	2.2	2910	18000	7200
845	360.58	0.18	1.9	2919	18000	7200

IS102

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
610	8.06	5.69	86.8	501	19490	5569
650	8.85	5.53	79.1	588	20031	5723
685	10.88	4.73	64.3	929	21487	6139
720	12.75	4.25	54.9	1138	22000	6469
865	13.99	4.65	50.0	964	22000	6537
940	17.21	4.11	40.7	1206	22000	6988
1010	19.00	4.00	36.8	1250	22000	7175
1010	22.13	3.43	31.6	1495	22000	7601
1080	24.28	3.35	28.8	1531	22000	7793
1080	26.33	3.09	26.6	1645	22000	8037
1080	29.87	2.72	23.4	1804	22000	8429
1280	32.40	2.97	21.6	1896	22000	8690
1195	34.91	2.58	20.1	2042	22000	9000
1280	38.30	2.51	18.3	2065	22000	9000

5.7 IS GEAR REDUCER - 700 RPM

IS102

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1110	44.00	1.90	15.9	2292	22000	9000
1365	47.13	2.18	14.8	2188	22000	9000
1110	55.14	1.51	12.7	2432	22000	9000
1365	59.40	1.73	11.8	2353	22000	9000
1365	67.84	1.51	10.3	2432	22000	9000

IS103

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1365	74.18	1.41	9.4	2480	22000	9000
1365	81.39	1.29	8.6	2525	22000	9000
1365	100.15	1.05	7.0	2612	22000	9000
1365	110.55	0.95	6.3	2647	22000	9000
1365	128.73	0.81	5.4	2696	22000	9000
1365	141.24	0.74	5.0	2722	22000	9000
1370	173.78	0.61	4.0	2772	22000	9000
1365	203.11	0.52	3.5	2803	22000	9000
1365	222.85	0.47	3.1	2819	22000	9000
1365	274.20	0.38	2.5	2851	22000	9000
1370	320.79	0.33	2.2	2871	22000	9000
1360	345.60	0.30	2.0	2880	22000	9000
1360	394.69	0.26	1.8	2893	22000	9000

IS122

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1080	8.48	9.58	82.5	2887	25726	7350
1225	9.30	9.91	75.3	2851	25898	7399
1370	11.42	9.03	61.3	2951	27388	7825
1590	12.63	9.47	55.4	2903	27364	7818
1735	13.84	9.43	50.6	2908	27673	7906
1880	16.99	8.32	41.2	3033	29485	8424
2020	21.25	7.15	32.9	3162	30000	9068
2095	23.29	6.77	30.1	3206	30000	9331
2165	26.15	6.23	26.8	3266	30000	9710
2165	28.60	5.69	24.5	3326	30000	10104
2560	30.51	6.31	22.9	3366	30000	10396
2560	33.44	5.76	20.9	3419	30000	10822
2560	35.20	5.47	19.9	3446	30000	11065
2560	41.07	4.69	17.1	3520	30000	11200

5.7 IS GEAR REDUCER - 700 RPM

IS122

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
2560	43.60	4.42	16.1	3546	30000	11200
2050	49.04	3.14	14.3	3667	30000	11200
2220	53.75	3.11	13.0	3671	30000	11200
2560	66.00	2.92	10.6	3688	30000	11200

IS123

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
2305	71.07	2.49	9.8	3734	30000	11200
2560	87.27	2.25	8.0	3756	30000	11200
2560	112.52	1.75	6.2	3803	30000	11200
2560	123.33	1.59	5.7	3817	30000	11200
2565	133.78	1.47	5.2	3829	30000	11200
2560	151.43	1.30	4.6	3845	30000	11200
2565	177.53	1.11	3.9	3863	30000	11200
2555	194.59	1.01	3.6	3872	30000	11200
2565	238.93	0.82	2.9	3889	30000	11200

5.8 IS GEAR REDUCER - 500 RPM

IS052

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
123	8.63	0.76	58.0	666	5067	5067
137	11.14	0.66	44.9	766	5482	5482
152	13.66	0.60	36.6	829	5820	5820
174	15.27	0.61	32.7	816	5901	5901
174	16.29	0.57	30.7	853	6000	6000
174	18.63	0.50	26.8	922	6000	6000
188	21.04	0.48	23.8	942	6000	6000
188	24.07	0.42	20.8	1000	6000	6000
208	25.79	0.43	19.4	984	6000	6000
208	27.81	0.40	18.0	1015	6000	6000
208	30.00	0.37	16.7	1043	6000	6000
256	32.55	0.42	15.4	1060	6000	6000
282	36.55	0.41	13.7	1067	6000	6000
298	39.90	0.40	12.5	1077	6000	6000
298	42.63	0.37	11.7	1098	6000	6000
298	47.20	0.34	10.6	1128	6000	6000
298	52.25	0.30	9.6	1155	6000	6000
298	57.86	0.28	8.6	1179	6000	6000
298	72.83	0.22	6.9	1226	6000	6000

IS053

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
300	74.20	0.22	6.7	1229	6000	6000
298	95.84	0.17	5.2	1269	6000	6000
296	117.48	0.14	4.3	1294	6000	6000
300	137.45	0.12	3.6	1311	6000	6000
300	177.55	0.09	2.8	1332	6000	6000
304	198.45	0.08	2.5	1340	6000	6000
298	217.64	0.07	2.3	1346	6000	6000
294	256.33	0.06	1.9	1355	6000	6000
292	314.21	0.05	1.6	1365	6000	6000

IS062

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
238	8.00	1.59	62.5	270	8029	3212
260	9.55	1.46	52.4	368	8442	3377
282	11.71	1.29	42.7	490	8997	3599
302	13.36	1.21	37.4	541	9310	3724

5.8 IS GEAR REDUCER - 500 RPM

IS062

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
324	15.94	1.09	31.4	630	9837	3935
332	19.55	0.91	25.6	759	10000	4000
338	23.18	0.78	21.6	849	10000	4000
346	25.14	0.74	19.9	882	10000	4000
346	27.66	0.67	18.1	930	10000	4000
360	30.00	0.64	16.7	949	10000	4000
510	36.57	0.75	13.7	956	10000	4000
510	39.38	0.69	12.7	988	10000	4000
510	43.64	0.62	11.5	1029	10000	4000
510	46.10	0.59	10.8	1050	10000	4000
510	53.53	0.51	9.3	1100	10000	4000
510	55.00	0.50	9.1	1108	10000	4000
510	67.47	0.40	7.4	1163	10000	4000

IS063

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
510	81.43	0.34	6.1	1206	10000	4000
510	99.89	0.28	5.0	1243	10000	4000
510	126.43	0.22	4.0	1278	10000	4000
510	150.85	0.18	3.3	1299	10000	4000
515	185.05	0.15	2.7	1319	10000	4000
510	217.79	0.13	2.3	1333	10000	4000
510	267.16	0.10	1.9	1347	10000	4000

IS082

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
396	7.34	2.89	68.1	1132	17494	4998
432	8.06	2.86	62.0	1145	17930	5123
470	9.94	2.53	50.3	1369	18000	5483
505	11.61	2.33	43.1	1494	18000	5754
540	12.75	2.26	39.2	1531	18000	5907
555	17.29	1.72	28.9	1885	18000	6592
555	20.14	1.47	24.8	2041	18000	6972
575	22.13	1.39	22.6	2092	18000	7186
575	24.00	1.28	20.8	2162	18000	7200
650	27.29	1.27	18.3	2171	18000	7200
650	28.67	1.21	17.4	2210	18000	7200
850	31.78	1.43	15.7	2208	18000	7200

5.8 IS GEAR REDUCER - 500 RPM

IS082

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
850	34.91	1.30	14.3	2278	18000	7200
850	40.05	1.13	12.5	2369	18000	7200
850	43.05	1.06	11.6	2412	18000	7200
850	50.25	0.90	9.9	2494	18000	7200
850	54.27	0.84	9.2	2531	18000	7200
850	61.98	0.73	8.1	2588	18000	7200

IS083

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
850	67.52	0.69	7.4	2620	18000	7200
850	74.18	0.63	6.7	2653	18000	7200
850	91.49	0.51	5.5	2717	18000	7200
850	117.17	0.40	4.3	2776	18000	7200
850	128.73	0.36	3.9	2795	18000	7200
850	158.76	0.29	3.1	2831	18000	7200
850	184.88	0.25	2.7	2853	18000	7200
855	203.11	0.23	2.5	2865	18000	7200
850	250.50	0.19	2.0	2888	18000	7200
845	292.36	0.16	1.7	2902	18000	7200
845	315.73	0.15	1.6	2909	18000	7200
845	360.58	0.13	1.4	2918	18000	7200

IS102

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
610	8.06	4.05	62.0	471	22000	6293
650	8.85	3.93	56.5	560	22000	6470
685	10.88	3.36	45.9	905	22000	6939
720	12.75	3.02	39.2	1116	22000	7312
865	13.99	3.31	35.7	941	22000	7405
940	17.21	2.92	29.1	1185	22000	7917
1010	19.00	2.84	26.3	1229	22000	8134
1010	22.13	2.44	22.6	1478	22000	8611
1080	24.28	2.38	20.6	1513	22000	8833
1080	26.33	2.19	19.0	1629	22000	9000
1080	29.87	1.93	16.7	1790	22000	9000
1280	32.40	2.11	15.4	1883	22000	9000
1195	34.91	1.83	14.3	2031	22000	9000
1280	38.30	1.79	13.1	2054	22000	9000

5.8 IS GEAR REDUCER - 500 RPM

IS102

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1110	44.00	1.35	11.4	2283	22000	9000
1365	47.13	1.55	10.6	2178	22000	9000
1110	55.14	1.08	9.1	2426	22000	9000
1365	59.40	1.23	8.4	2346	22000	9000
1365	67.84	1.08	7.4	2426	22000	9000

IS103

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1365	74.18	1.00	6.7	2474	22000	9000
1365	81.39	0.92	6.1	2520	22000	9000
1365	100.15	0.74	5.0	2607	22000	9000
1365	110.55	0.67	4.5	2643	22000	9000
1365	128.73	0.58	3.9	2692	22000	9000
1365	141.24	0.53	3.5	2718	22000	9000
1370	173.78	0.43	2.9	2769	22000	9000
1365	203.11	0.37	2.5	2801	22000	9000
1365	222.85	0.33	2.2	2817	22000	9000
1365	274.20	0.27	1.8	2850	22000	9000
1370	320.79	0.23	1.6	2870	22000	9000
1360	345.60	0.21	1.4	2878	22000	9000
1360	394.69	0.19	1.3	2892	22000	9000

IS122

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
1080	8.48	6.81	59.0	2875	29386	8396
1225	9.30	7.04	53.8	2838	29662	8475
1370	11.42	6.42	43.8	2939	30000	8975
1590	12.63	6.73	39.6	2891	30000	9004
1735	13.84	6.70	36.1	2896	30000	9127
1880	16.99	5.92	29.4	3022	30000	9729
2020	21.25	5.08	23.5	3153	30000	10473
2095	23.29	4.81	21.5	3197	30000	10779
2165	26.15	4.43	19.1	3258	30000	11200
2165	28.60	4.05	17.5	3318	30000	11200
2560	30.51	4.49	16.4	3359	30000	11200
2560	33.44	4.09	14.9	3412	30000	11200
2560	35.20	3.89	14.2	3440	30000	11200
2560	41.07	3.33	12.2	3515	30000	11200

5.8 IS GEAR REDUCER - 500 RPM

IS122

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
2560	43.60	3.14	11.5	3541	30000	11200
2050	49.04	2.24	10.2	3664	30000	11200
2220	53.75	2.21	9.3	3667	30000	11200
2560	66.00	2.07	7.6	3685	30000	11200

IS123

Mn_2 [Nm]	i	Pn_1 [kW]	n2 [rpm]	Fr1 [Nm]	Fr2 D [N]	Fr2 C-L [N]
2305	71.07	1.77	7.0	3731	30000	11200
2560	87.27	1.60	5.7	3753	30000	11200
2560	112.52	1.24	4.4	3801	30000	11200
2560	123.33	1.13	4.0	3815	30000	11200
2565	133.78	1.05	3.7	3827	30000	11200
2560	151.43	0.92	3.3	3843	30000	11200
2565	177.53	0.79	2.8	3861	30000	11200
2555	194.59	0.72	2.6	3870	30000	11200
2565	238.93	0.59	2.1	3888	30000	11200

6.1 SALES CONDITIONS

All supplies effected by Motovario Group are governed exclusively by the general terms of sale that you can find on our website:

http://www.motovario.com/eng/corporate/sales-conditions

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