

We need this unit completely.

Centrifugal Fans

Fans for ZLH are double inlet centrifugal fans with backward curved impeller blades, except for the fan for ZLH-06 which is a centrifugal fan with forward curved impeller blades.

The fan unit, consisting of a double inlet fan, a motor and a V-belt drive, is mounted on an inner frame which is suspended by means of vibration dampers in an outer frame. The outer frame including the complete fan unit can be pulled out.

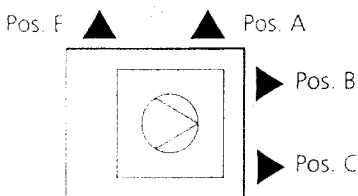
The fan function is provided with transportation fittings protecting against damage to vibration dampers during transport. The transportation fittings are to be removed before start up of the fan.

In order to avoid transmission of vibrations to the connected ducting or other sections of the unit, the fan outlet is connected to the casing by means of a flexible connection.

For free outlet into a subsequent section, e.g. a section for SPIRODUCT connections a baffle plate is mounted at the fan outlet. This ensures a good mixing of the air and consequently stratification will be avoided.

Fan Outlets

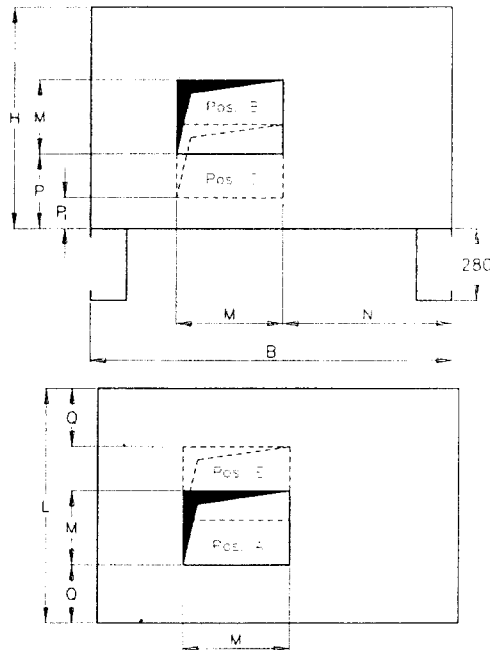
4 fan outlet positions are available: A, B, C, and E.



The dimensions H and B are given in the table in the section "Principal Dimension".



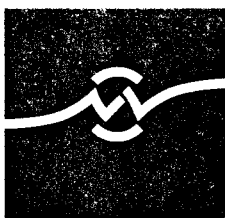
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Dimensions in mm

ZLH	L	M	N	P	P ₁	Q
-06	510	220	430	149	91	91
-10	670	300	506	241	119	124
-15	670	335	675.5	215.5	109.5	100.5
-22	910	415	661.5	290.5	120.5	162.5
-32	910	465	855.5	273.5	121.5	125.5
-45	1070	580	861	346	134	121
-67	1230	730	755	436	132	98
84	1390	820	560	483	140	113





Date : 25 November 1999
Our No. : 399-5048/300-5049/300-5050
Customer's no. : Ferus Smit 324/325/326

System No. : AC-1

Room Served : Wheelhouse, cabins, bedrooms, messrooms, galley and provision store

- Fan section CL incl. of centrifugal fan, V-belt driven by a totally enclosed fancooled marine type motor.

Fan data:

Type : THLZ 225 T
Airvolume : 4140 m³/h
R.p.m. : 5950
Total pressure : 2100 Pa
Static pressure : 1500 Pa (extern)
Power consumption : 3,2 kW
Bearing incl. housing : 2x SY 25 FM
Bearing loose : 2x YET 205
Pully : SPZ-075/1, bush 1108/25
V-belt : XPZ-687

Data of motor for fan:

Make : ABB
Type : M2A112M
Mounting design : B-3
Output : 4,0 kW
R.p.m. : 2840
Voltage : 3 x 400 V - 50 Hz.
Normal current : 8,8 Amp.
Starting current : 42,2 Amp.
Classification : S.I.
Test sheets : included
Bearing D-end : 6206-2Z/C3
Bearing N-end : 6205-2Z/C3
Pully : SPZ-160/1, bush 1610/28

- Discharge section type AH, with connections for spiroduct airpipes.