

United Nations Development Programme



Empowered lives.
Resilient nations.

2) Suction line liquid accumulator and heat exchanger -25°C evaporation 40°C condensation Quantity: 15 Units

Title	Option 1	Option 2	Option 3
Suction line liquid accumulator P/N	FA-16W (R290) preferable slightly smaller model	VA 446SRD / 470094	LCYE 25 MMS (R290)
Clamp	to be provided by beneficiary		
suction line heat exchanger P/N	already included in suction line accumulator	HX1.1/2 (1.12 KW)	already included in suction line accumulator
Description	Suction line liquid accumulator	Suction line liquid accumulator	Suction line liquid accumulator and heat exchanger
P/N number	FA-16W	VA 355S / 470049	LCYE 25 MMS (R290)
Approvals	EN 13463-1:20009, 94/9 EU ATEX-Cat 2 Zone 2	EN 13463-1:20009, 94/9 EU ATEX-Cat 2 Zone 2	EN 13463-1:20009, 94/9 EU ATEX-Cat 2 Zone 2
Electrical connection			
Tension (V)	N/A	N/A	N/A
Freq (Hz)	N/A	N/A	N/A
Design			
Connections	Parallel top	Parallel top	Parallel top
Inlet size (mm)	16	3/4"	16
Outlet size (mm)	16	3/4"	16
Heat exchanger suction line (mm)	16	7/8"	10
Heat exchanger liquid line (mm)	16	3/8"	10
Material valve	Mild steel		Mild steel
Connection type	Solder, ODF		Solder, ODF
max. working pressure (bar)	31	20.7	46
Temperature range (°C)	-50 / +100 (Max allowable pressure)		-40/ +100°C
Weight (with coil) (kg)	2.4	2	2.49
Max. height (mm)	261	273	365
Max. diameter (mm)	125	102	109
Hot gas defrost	yes		yes
Volume app. (dm ³)	3.20	2.23	3.41
Refrigerant	R290	R290	R290
Accessories			

United Nations Development Programme



Empowered lives.
Resilient nations.

description	clamp	clamp	clamp
Working range			
Evaporation temperature (°C)	-25	-25	-25
Condensing temperature (°C)	40	40	40
Ambient temperature (°C)	32	32	32
Placement	Inside supermarket	Inside supermarket	Inside supermarket
Nominal Capacity for selection (KW)	0.899	0.899	0.899
Useful superheat (K)	8	8	8
Static superheat (°C)	4	4	4
Subcooling (K)	4	4	4
Velocity (m/s)	< 1	< 1	< 1