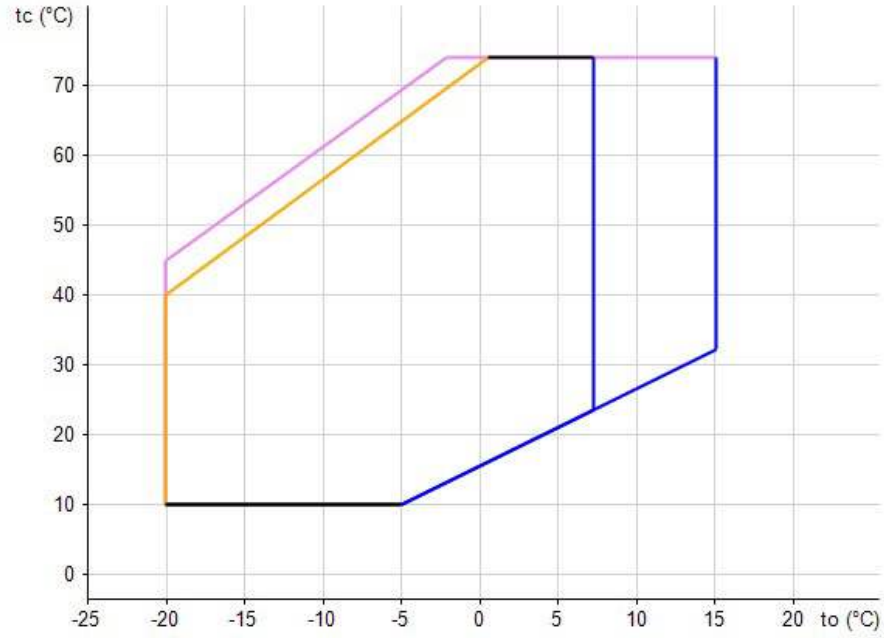

Minimum Evaporating Temp. With:

10 K Suction Superheat

20 °C Suction Gas Return

Maximum Evaporating Temperature

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond	Cooling Capacity, kW									
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	1.68	2.10	2.60	3.19						
15.0	1.56	1.96	2.44	3.00						
20.0	1.46	1.84	2.30	2.83	3.45					
25.0	1.38	1.74	2.18	2.68	3.27	3.95	4.25			
30.0	1.31	1.66	2.07	2.55	3.11	3.76	4.05	4.51	4.93	
35.0	1.26	1.58	1.98	2.43	2.96	3.58	3.85	4.30	4.69	
40.0	1.20	1.52	1.88	2.31	2.82	3.40	3.66	4.09	4.47	
45.0		1.44	1.78	2.19	2.67	3.23	3.48	3.88	4.24	
50.0			1.68	2.07	2.52	3.05	3.28	3.66	4.01	
55.0			1.56	1.93	2.35	2.85	3.07	3.44	3.76	
60.0				1.77	2.17	2.64	2.85	3.19	3.50	
65.0					1.96	2.41	2.61	2.93	3.22	
70.0					1.74	2.15	2.34	2.64	2.92	
73.9										

Cond	Power, kW									
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	0.55	0.56	0.55	0.54						
15.0	0.55	0.56	0.56	0.56						
20.0	0.56	0.58	0.59	0.59	0.58					
25.0	0.59	0.61	0.63	0.64	0.64	0.62	0.61			
30.0	0.63	0.66	0.68	0.70	0.70	0.70	0.70	0.68	0.67	
35.0	0.68	0.71	0.74	0.76	0.78	0.79	0.79	0.78	0.77	
40.0	0.74	0.78	0.81	0.84	0.86	0.88	0.88	0.88	0.88	
45.0		0.85	0.89	0.92	0.95	0.98	0.98	0.99	1.00	
50.0			0.97	1.01	1.04	1.08	1.08	1.10	1.11	
55.0			1.06	1.10	1.14	1.18	1.20	1.21	1.23	
60.0				1.20	1.24	1.28	1.30	1.32	1.34	
65.0					1.34	1.38	1.40	1.43	1.46	
70.0					1.43	1.48	1.50	1.54	1.56	
73.9										

Cond	Current at 230 V, A									
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	2.47	2.50	2.49	2.42						
15.0	2.45	2.52	2.54	2.51						
20.0	2.51	2.60	2.65	2.66	2.62					
25.0	2.64	2.75	2.83	2.87	2.87	2.81	2.77			
30.0	2.82	2.95	3.06	3.13	3.17	3.15	3.13	3.09	3.03	
35.0	3.05	3.20	3.33	3.43	3.51	3.54	3.53	3.52	3.49	
40.0	3.34	3.50	3.64	3.78	3.88	3.95	3.96	3.97	3.97	
45.0		3.83	3.99	4.15	4.28	4.38	4.42	4.45	4.47	
50.0			4.37	4.54	4.70	4.84	4.88	4.95	4.99	
55.0			4.76	4.95	5.13	5.30	5.36	5.45	5.51	
60.0				5.37	5.57	5.77	5.84	5.95	6.03	
65.0					6.01	6.23	6.32	6.44	6.54	
70.0					6.45	6.69	6.78	6.92	7.04	
73.9										

Cond	Suction Mass Flow, g/s									
°C	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
10.0	8.19	10.30	12.80	15.75						
15.0	7.86	9.95	12.40	15.35						
20.0	7.64	9.71	12.15	15.00	18.40					
25.0	7.51	9.55	11.95	14.80	18.15	22.10	23.90			
30.0	7.45	9.47	11.85	14.65	18.00	21.90	23.70	26.50	29.10	
35.0	7.43	9.43	11.80	14.60	17.90	21.80	23.60	26.40	29.00	
40.0	7.43	9.42	11.75	14.55	17.85	21.70	23.50	26.30	28.90	
45.0		9.40	11.70	14.50	17.75	21.70	23.40	26.30	28.90	
50.0			11.65	14.40	17.65	21.50	23.30	26.20	28.80	
55.0			11.45	14.20	17.45	21.40	23.10	26.00	28.70	
60.0				13.85	17.15	21.10	22.90	25.80	28.50	
65.0					16.60	20.60	22.40	25.40	28.10	
70.0					15.80	19.80	21.60	24.70	27.50	
73.9										

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	5.04
Length/Width, mm	246/246
Height, mm	387
Net Weight, kg	22.2
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	0.74
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	190 x 190 (19)
Sound Pressure @ 1m (MT), dBA	58
Sound Power (MT), dBA	69
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Max. Internal Free Volume, l	2.00
High Side PS gauge, bar	31.9
Low Side PS gauge, bar	21.6
Refrigerant's GWP	1430
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (220-240 V / 1~ / 50 Hz)

Maximum Operating Current, A	9.9
Locked Rotor Current, A	54
Winding Resistance, ohm	1.62/3.26 (R/S)
Default Enclosure Class	IP 66

ACCESSORIES INCLUDED

Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Crankcase Heater	40 W External
Discharge Temperature Protection	Discharge line thermostat
Enclosure Class	IP66 With Molded Plug
Rotalock valves	suction and discharge

MOTOR OPTIONS

Motor Code	*Power Supply*	*Nominal Voltage, V*	*Start Connection*	*DOL Connection*	*Amps Factor*
PFJ	220-240 V / 1~ / 50 Hz	230		PSC	1.00
PFV	208-230 V / 1~ / 60 Hz	220		CSCR/PSC	1.04