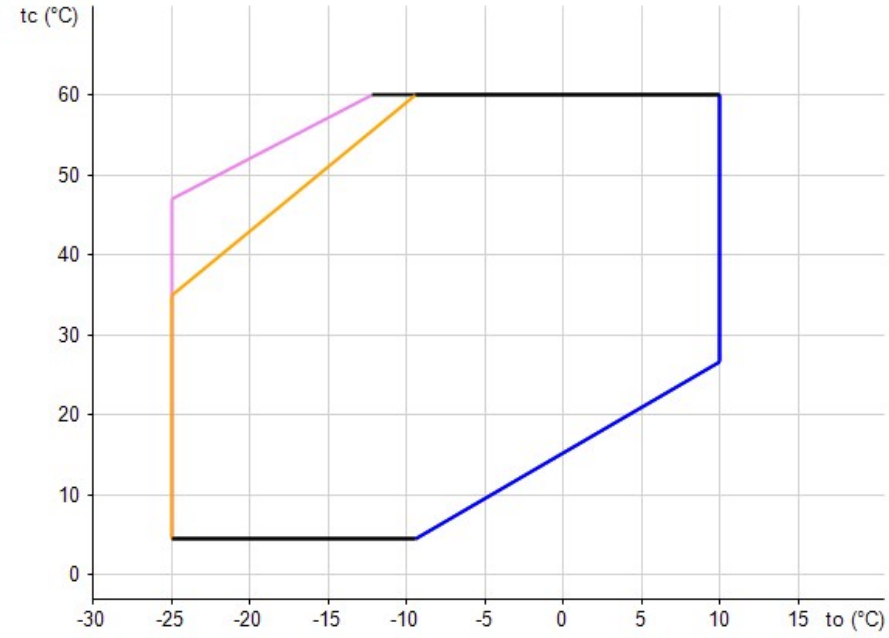

Minimum Evaporating Temp. With:

10 K Suction Superheat

20 °C Suction Gas Return

Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond	Cooling Capacity, kW								
°C	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
4.0	2.59	3.22	3.99	4.91					
5.0	2.57	3.21	3.97	4.89					
10.0	2.43	3.06	3.82	4.71	5.76				
15.0	2.31	2.93	3.66	4.53	5.55				
20.0	2.18	2.80	3.51	4.35	5.33	6.47			
25.0	2.06	2.66	3.36	4.16	5.11	6.20	7.47	8.03	
30.0	1.94	2.52	3.19	3.97	4.87	5.92	7.13	7.66	8.52
35.0	1.80	2.37	3.01	3.75	4.61	5.61	6.76	7.27	8.09
40.0		2.20	2.82	3.52	4.34	5.28	6.37	6.85	7.63
45.0			2.60	3.27	4.03	4.92	5.94	6.40	7.13
50.0			2.35	2.98	3.70	4.53	5.48	5.91	6.60
55.0				2.66	3.32	4.09	4.98	5.38	6.02
60.0					2.91	3.62	4.44	4.80	5.39

Cond	Power, kW								
°C	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
4.0	0.63	0.62	0.62	0.62					
5.0	0.64	0.63	0.63	0.63					
10.0	0.71	0.70	0.70	0.71	0.72				
15.0	0.80	0.79	0.79	0.79	0.81				
20.0	0.91	0.89	0.89	0.89	0.90	0.92			
25.0	1.03	1.02	1.01	1.00	1.01	1.02	1.04	1.05	
30.0	1.19	1.16	1.14	1.14	1.14	1.14	1.16	1.16	1.18
35.0	1.38	1.34	1.32	1.30	1.29	1.28	1.29	1.30	1.30
40.0		1.56	1.52	1.50	1.48	1.46	1.46	1.46	1.46
45.0			1.76	1.72	1.70	1.67	1.66	1.65	1.64
50.0			2.05	2.00	1.96	1.92	1.89	1.88	1.87
55.0				2.32	2.26	2.21	2.17	2.15	2.13
60.0					2.62	2.55	2.49	2.47	2.44

Cond	Current at 400 V, A								
°C	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
4.0	2.15	2.14	2.13	2.13					
5.0	2.15	2.14	2.14	2.14					
10.0	2.21	2.20	2.20	2.20	2.21				
15.0	2.27	2.26	2.26	2.27	2.28				
20.0	2.36	2.35	2.34	2.35	2.36	2.37			
25.0	2.47	2.46	2.45	2.45	2.45	2.46	2.48	2.50	
30.0	2.63	2.60	2.59	2.58	2.57	2.58	2.60	2.60	2.62
35.0	2.83	2.79	2.77	2.75	2.73	2.73	2.74	2.74	2.75
40.0		3.04	3.00	2.96	2.94	2.92	2.92	2.92	2.92
45.0			3.29	3.24	3.20	3.17	3.15	3.14	3.14
50.0			3.65	3.58	3.52	3.48	3.44	3.43	3.41
55.0				4.00	3.92	3.85	3.80	3.78	3.75
60.0					4.40	4.31	4.23	4.20	4.16

Cond	Suction Mass Flow, g/s								
°C	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0
4.0	11.50	14.40	17.90	22.10					
5.0	11.45	14.35	17.90	22.10					
10.0	11.20	14.20	17.75	22.00	27.10				
15.0	11.00	14.05	17.65	22.00	27.10				
20.0	10.80	13.90	17.55	21.90	27.00	33.10			
25.0	10.60	13.75	17.45	21.80	26.90	33.00	40.10	43.30	
30.0	10.40	13.60	17.30	21.60	26.80	32.80	39.90	43.20	48.40
35.0	10.10	13.35	17.05	21.40	26.50	32.50	39.70	42.90	48.10
40.0		13.00	16.75	21.10	26.20	32.20	39.30	42.50	47.70
45.0			16.25	20.60	25.60	31.60	38.70	41.90	47.10
50.0			15.60	19.85	24.90	30.80	37.80	41.00	46.20
55.0				18.90	23.90	29.70	36.70	39.90	45.10
60.0					22.40	28.20	35.20	38.30	43.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	5.92
Length/Width, mm	241/241
Height, mm	382
Net Weight, kg	25.3
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
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 (8.5)
Sound Pressure @ 1m (MT), dBA	55
Sound Power (MT), dBA	66
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
PED Category	1
Max. Internal Free Volume, l	2.50
High Side PS gauge, bar	32
Low Side PS gauge, bar	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	1397
Refrigerant's classification	A1

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Maximum Operating Current, A	4.9
Locked Rotor Current, A	26
Winding Resistance, ohm	7.1
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10dBA)
Rotalock valves	suction and discharge

MOTOR OPTIONS

Motor Code	*Power Supply*	*Nominal Voltage, V*	*Start Connection*	*DOL Connection*	*Amps Factor*
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TF5	200-220 V / 3~ / 50 Hz	200		Y	2.09
TFD	460 V / 3~ / 60 Hz	460		Y	1.04
TF5	200-230 V / 3~ / 60 Hz	230		Y	2.09