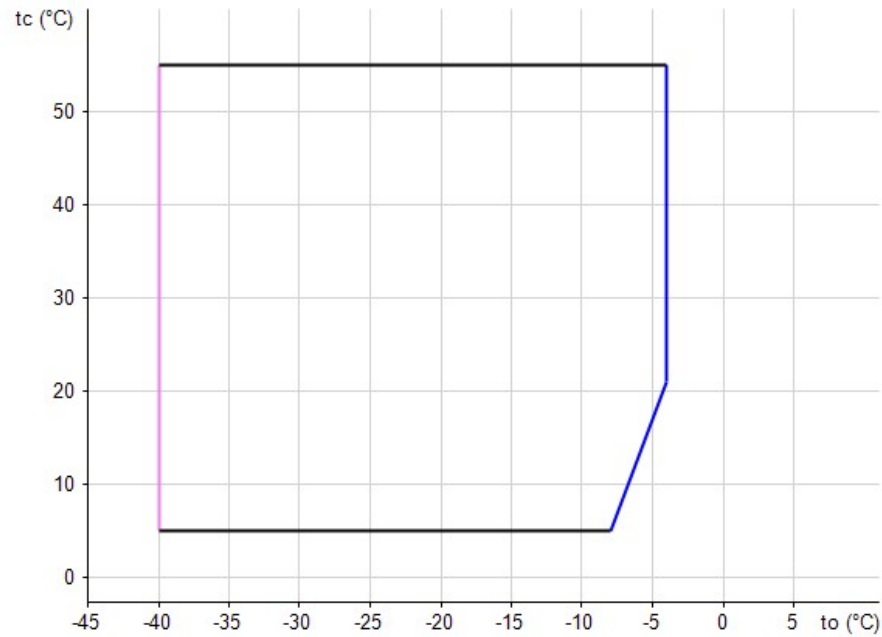




Minimum Evaporating Temp. With:

20 °C Suction Gas Return Liquid injection

Maximum Evaporating Temperature

Suction Return Temperature 10.0°C

Liquid Subcooling 2.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	1.22	1.54	1.95	2.44	3.03	3.73	4.55	
10.0	1.20	1.52	1.92	2.40	2.98	3.67	4.47	
15.0	1.16	1.48	1.88	2.35	2.92	3.58	4.36	
20.0	1.12	1.44	1.82	2.28	2.83	3.48	4.23	5.10
25.0	1.08	1.38	1.76	2.20	2.73	3.36	4.08	4.92
30.0	1.02	1.32	1.68	2.11	2.62	3.22	3.92	4.72
35.0	0.97	1.26	1.60	2.01	2.49	3.06	3.73	4.50
40.0	0.91	1.18	1.50	1.90	2.35	2.89	3.53	4.27
45.0	0.84	1.10	1.40	1.77	2.20	2.71	3.31	4.01
50.0	0.77	1.01	1.30	1.64	2.04	2.51	3.07	3.73
55.0	0.70	0.92	1.18	1.49	1.86	2.30	2.82	3.44

50 Hz

YF05K1E-TFD

R449A Dew Point

Cond °C	Power, kW							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	0.57	0.61	0.65	0.69	0.73	0.77	0.80	
10.0	0.65	0.70	0.74	0.79	0.84	0.89	0.94	
15.0	0.72	0.77	0.82	0.87	0.93	0.98	1.04	
20.0	0.79	0.84	0.89	0.94	1.01	1.07	1.14	1.20
25.0	0.88	0.92	0.97	1.02	1.08	1.15	1.22	1.30
30.0	0.98	1.02	1.06	1.12	1.18	1.24	1.31	1.38
35.0	1.12	1.16	1.19	1.23	1.28	1.34	1.42	1.49
40.0	1.32	1.32	1.35	1.38	1.43	1.48	1.54	1.62
45.0	1.56	1.56	1.56	1.58	1.62	1.66	1.71	1.78
50.0	1.87	1.84	1.84	1.84	1.86	1.88	1.93	1.98
55.0	2.26	2.21	2.18	2.17	2.17	2.18	2.20	2.24

Cond °C	Current at 400 V, A							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	2.03	2.05	2.07	2.09	2.12	2.14	2.16	
10.0	2.08	2.11	2.14	2.18	2.21	2.25	2.30	
15.0	2.12	2.15	2.19	2.24	2.29	2.34	2.40	
20.0	2.16	2.20	2.25	2.30	2.35	2.41	2.48	2.55
25.0	2.23	2.26	2.31	2.36	2.42	2.49	2.56	2.64
30.0	2.32	2.35	2.40	2.45	2.50	2.57	2.65	2.74
35.0	2.47	2.49	2.52	2.57	2.62	2.69	2.76	2.85
40.0	2.67	2.68	2.70	2.74	2.79	2.84	2.92	3.00
45.0	2.95	2.95	2.95	2.97	3.01	3.06	3.12	3.20
50.0	3.32	3.29	3.28	3.29	3.31	3.34	3.39	3.46
55.0	3.79	3.74	3.71	3.69	3.69	3.71	3.74	3.80

50 Hz

YF05K1E-TFD

R449A Dew Point

Cond °C	Suction Mass Flow, g/s							
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0
5.0	5.54	7.04	8.91	11.20	13.95	17.25	21.20	
10.0	5.61	7.16	9.07	11.40	14.20	17.55	21.50	
15.0	5.65	7.24	9.18	11.55	14.40	17.75	21.80	
20.0	5.67	7.29	9.26	11.65	14.50	17.90	21.90	26.70
25.0	5.65	7.30	9.29	11.70	14.55	18.00	22.00	26.80
30.0	5.61	7.27	9.27	11.70	14.55	18.00	22.10	26.90
35.0	5.54	7.21	9.21	11.60	14.50	17.95	22.00	26.80
40.0	5.44	7.11	9.10	11.50	14.35	17.80	21.90	26.70
45.0	5.31	6.96	8.94	11.30	14.15	17.55	21.60	26.50
50.0	5.16	6.78	8.72	11.05	13.85	17.25	21.30	26.10
55.0	4.97	6.56	8.45	10.75	13.50	16.85	20.90	25.70

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	5.92
Length/Width, mm	253/248
Height, mm	369
Net Weight, kg	25.4
Gross Weight, kg	27.3
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Stub Injection, inch	3/8
Oil Quantity, l	1.3
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	190.5 x 190.5 (19)
Sound Pressure @ 1m (LT), dBA	58
Sound Power (LT), dBA	69
Sound Conditions (LT, Temperatures: Evap./Cond./Suction at freq./speed)	-35 / 40 / 20 °C at 50 Hz
PED Category	II
Max. Low Side Internal Free Volume, l	4.1
Max. High Side Internal Free Volume, l	0.5
Max. Internal Free Volume, l	4.60
High Side PS gauge, bar	38
Low Side PS gauge, bar	23.5
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
High Side TS Max., °C	150
High 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	5
Locked Rotor Current, A	26
Winding Resistance, ohm	7.1
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED**ACCESSORIES OPTIONAL**

50 Hz

YF05K1E-TFD

R449A Dew Point

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
TFD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TFD	460 V / 3~ / 60 Hz	460		Y	1.04