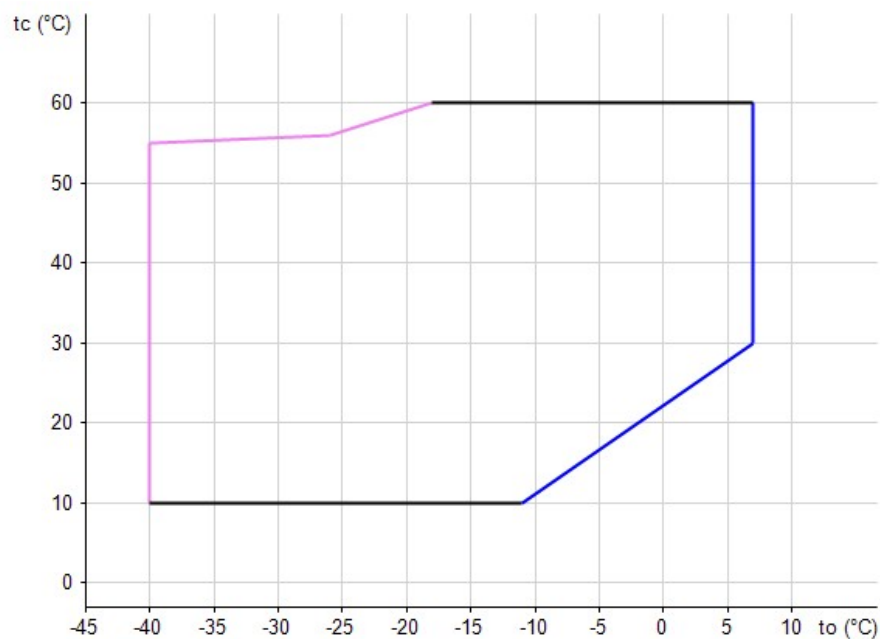




Minimum Evaporating Temp. With:

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	0.0	5.0	7.0
10.0	1.14	1.46	1.84	2.32	2.88	3.55					
15.0	1.08	1.39	1.76	2.22	2.76	3.39	4.14				
20.0	1.03	1.32	1.68	2.12	2.63	3.24	3.95	4.77			
25.0	0.98	1.26	1.60	2.02	2.51	3.08	3.76	4.54	5.44		
30.0	0.93	1.20	1.52	1.92	2.38	2.93	3.57	4.31	5.17	6.14	
35.0	0.88	1.14	1.45	1.82	2.26	2.77	3.38	4.08	4.89	5.81	
40.0	0.83	1.08	1.37	1.72	2.13	2.62	3.19	3.85	4.61	5.49	
45.0	0.79	1.02	1.29	1.62	2.00	2.46	2.99	3.61	4.33	5.15	
50.0	0.74	0.96	1.22	1.52	1.88	2.30	2.80	3.37	4.05	4.82	
55.0	0.70	0.90	1.14	1.42	1.75	2.14	2.60	3.13	3.76	4.48	
60.0						1.98	2.40	2.89	3.47	4.14	

50 Hz

YF05K1E-TFD

R454C Dew Point

Cond °C	Power, kW										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	0.58	0.60	0.63	0.67	0.73	0.81					
15.0	0.62	0.64	0.67	0.72	0.79	0.86	0.96				
20.0	0.66	0.68	0.72	0.77	0.84	0.92	1.02	1.13			
25.0	0.71	0.73	0.77	0.83	0.90	0.98	1.08	1.20	1.32		
30.0	0.77	0.80	0.84	0.89	0.96	1.04	1.14	1.26	1.38	1.53	
35.0	0.86	0.88	0.92	0.97	1.03	1.12	1.22	1.32	1.45	1.59	
40.0	0.96	0.98	1.02	1.06	1.12	1.20	1.30	1.40	1.52	1.66	
45.0	1.09	1.10	1.13	1.18	1.23	1.30	1.39	1.49	1.60	1.74	
50.0	1.25	1.25	1.27	1.30	1.36	1.42	1.50	1.59	1.70	1.82	
55.0	1.44	1.43	1.44	1.46	1.50	1.56	1.63	1.71	1.81	1.92	
60.0						1.72	1.78	1.85	1.94	2.04	

Cond °C	Current at 400 V, A										
	-40.0	-35.0	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0
10.0	2.16	2.16	2.17	2.20	2.23	2.29					
15.0	2.17	2.18	2.20	2.23	2.28	2.34	2.41				
20.0	2.19	2.20	2.23	2.27	2.32	2.39	2.47	2.57			
25.0	2.22	2.24	2.26	2.31	2.36	2.43	2.52	2.63	2.76		
30.0	2.26	2.28	2.31	2.36	2.42	2.49	2.58	2.69	2.83	2.98	
35.0	2.32	2.34	2.38	2.42	2.48	2.56	2.65	2.76	2.89	3.05	
40.0	2.41	2.43	2.46	2.50	2.56	2.64	2.73	2.84	2.97	3.13	
45.0	2.53	2.54	2.57	2.61	2.66	2.74	2.83	2.93	3.07	3.22	
50.0	2.68	2.69	2.71	2.74	2.79	2.86	2.95	3.05	3.18	3.33	
55.0	2.87	2.87	2.88	2.91	2.95	3.01	3.09	3.19	3.31	3.45	
60.0						3.20	3.27	3.36	3.47	3.61	

50 Hz

YF05K1E-TFD

R454C 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	0.0	5.0	7.0
10.0	5.54	7.08	8.99	11.35	14.15	17.50					
15.0	5.46	7.01	8.91	11.25	14.05	17.35	21.30				
20.0	5.39	6.94	8.84	11.15	13.90	17.25	21.10	25.70			
25.0	5.33	6.88	8.77	11.05	13.80	17.10	21.00	25.50	30.90		
30.0	5.27	6.82	8.70	11.00	13.70	16.95	20.80	25.30	30.60	36.80	
35.0	5.23	6.78	8.65	10.90	13.60	16.80	20.60	25.10	30.40	36.60	
40.0	5.19	6.74	8.59	10.80	13.50	16.65	20.50	24.90	30.20	36.40	
45.0	5.16	6.71	8.55	10.75	13.40	16.55	20.30	24.70	30.00	36.20	
50.0	5.15	6.69	8.52	10.70	13.30	16.40	20.10	24.50	29.80	36.00	
55.0	5.15	6.70	8.50	10.65	13.20	16.30	19.95	24.40	29.60	35.80	
60.0						16.20	19.85	24.20	29.50	35.70	

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	148
Refrigerant's classification	A2L

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

R454C 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