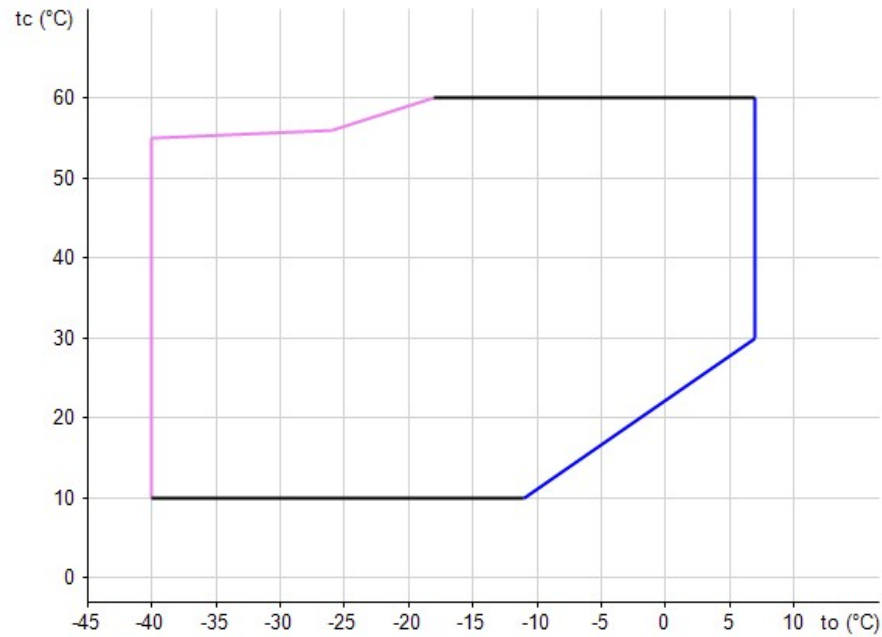




Minimum Evaporating Temp. With:

25 °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	1.50	1.88	2.34	2.91	3.59	4.40					
15.0	1.44	1.80	2.24	2.78	3.42	4.19	5.09				
20.0	1.37	1.72	2.15	2.65	3.26	3.98	4.82	5.81			
25.0	1.31	1.65	2.05	2.53	3.10	3.77	4.56	5.49	6.56		
30.0	1.25	1.58	1.96	2.41	2.94	3.56	4.30	5.16	6.16	7.32	
35.0	1.18	1.50	1.86	2.28	2.77	3.35	4.03	4.82	5.75	6.83	
40.0	1.12	1.42	1.76	2.15	2.60	3.13	3.75	4.48	5.33	6.33	
45.0	1.04	1.33	1.64	2.00	2.42	2.90	3.47	4.13	4.91	5.81	
50.0	0.96	1.23	1.52	1.85	2.22	2.66	3.17	3.76	4.47	5.29	
55.0	0.86	1.12	1.38	1.68	2.01	2.40	2.85	3.38	4.01	4.75	
60.0						2.13	2.52	2.99	3.54	4.19	

50 Hz

YF05K1E-TFD

R404A 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	0.76	0.81	0.86	0.92	0.99	1.06					
15.0	0.83	0.88	0.93	0.99	1.05	1.12	1.20				
20.0	0.91	0.95	1.00	1.06	1.12	1.20	1.28	1.36			
25.0	0.99	1.03	1.08	1.14	1.20	1.27	1.35	1.44	1.54		
30.0	1.08	1.13	1.18	1.23	1.30	1.36	1.44	1.53	1.63	1.74	
35.0	1.20	1.25	1.29	1.34	1.40	1.47	1.54	1.64	1.74	1.85	
40.0	1.34	1.38	1.42	1.48	1.54	1.60	1.68	1.76	1.86	1.98	
45.0	1.51	1.55	1.59	1.64	1.70	1.76	1.83	1.92	2.01	2.12	
50.0	1.71	1.74	1.78	1.83	1.88	1.94	2.02	2.10	2.19	2.30	
55.0	1.94	1.98	2.01	2.06	2.11	2.17	2.24	2.32	2.41	2.51	
60.0						2.43	2.50	2.57	2.66	2.77	

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	2.17	2.20	2.24	2.29	2.35	2.42					
15.0	2.21	2.25	2.29	2.34	2.40	2.48	2.57				
20.0	2.26	2.30	2.34	2.40	2.46	2.54	2.63	2.73			
25.0	2.33	2.36	2.41	2.47	2.54	2.62	2.71	2.81	2.93		
30.0	2.42	2.45	2.50	2.56	2.63	2.71	2.81	2.91	3.04	3.17	
35.0	2.53	2.57	2.62	2.67	2.75	2.83	2.93	3.04	3.16	3.30	
40.0	2.68	2.72	2.76	2.82	2.90	2.98	3.08	3.19	3.32	3.46	
45.0	2.87	2.91	2.95	3.01	3.09	3.17	3.27	3.38	3.51	3.66	
50.0	3.10	3.14	3.19	3.25	3.32	3.41	3.51	3.62	3.75	3.89	
55.0	3.39	3.43	3.48	3.53	3.61	3.69	3.79	3.91	4.04	4.18	
60.0						4.03	4.13	4.25	4.38	4.52	

50 Hz

YF05K1E-TFD

R404A 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	8.66	10.85	13.60	16.95	21.00	25.90					
15.0	8.61	10.85	13.55	16.90	20.90	25.80	31.60				
20.0	8.60	10.85	13.60	16.85	20.90	25.70	31.40	38.20			
25.0	8.63	10.90	13.65	16.90	20.80	25.50	31.20	38.00	46.00		
30.0	8.67	11.00	13.70	16.95	20.80	25.50	31.00	37.70	45.60	55.20	
35.0	8.70	11.05	13.80	17.00	20.80	25.40	30.80	37.40	45.20	54.70	
40.0	8.72	11.15	13.85	17.00	20.80	25.20	30.60	37.10	44.80	54.20	
45.0	8.70	11.15	13.90	17.00	20.70	25.10	30.30	36.70	44.30	53.70	
50.0	8.60	11.10	13.85	16.95	20.60	24.90	30.00	36.20	43.80	53.10	
55.0	8.39	11.00	13.75	16.85	20.40	24.60	29.60	35.80	43.30	52.50	
60.0						24.20	29.20	35.30	42.80	52.10	

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	3922
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

R404A Dew Point

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
TFD	460 V / 3~ / 60 Hz	460		Y	1.04