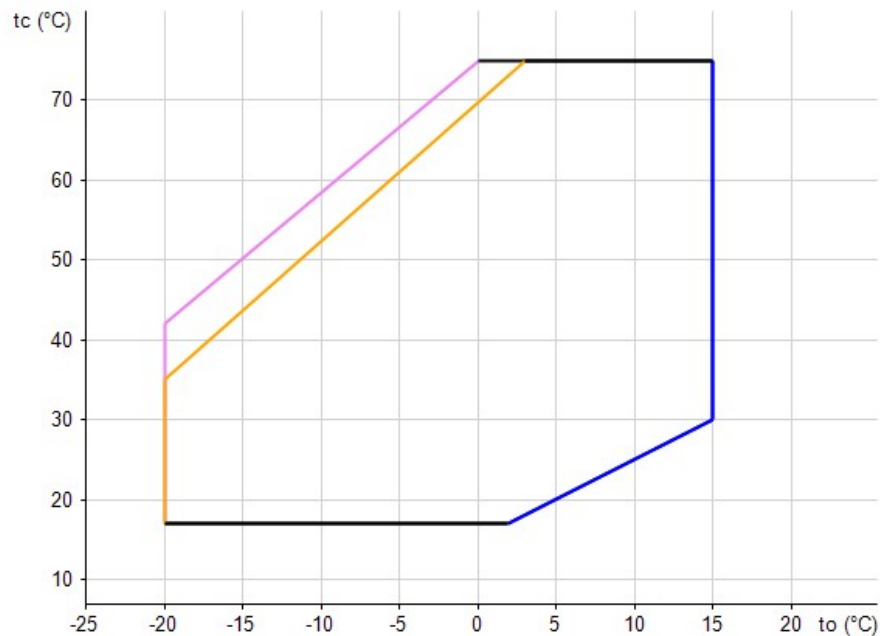




Minimum Evaporating Temp. With:

- 10 K Suction Superheat — 20 °C Suction Gas Return
- Maximum Evaporating Temperature

Suction Superheat 11.1K

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
17.0	2.49	3.12	3.89	4.79	5.86					
20.0	2.41	3.04	3.79	4.68	5.73					
25.0	2.28	2.89	3.62	4.48	5.50	6.69	7.22			
30.0	2.15	2.74	3.44	4.28	5.27	6.42	6.94	7.76	8.51	9.30
35.0	2.02	2.59	3.26	4.07	5.02	6.14	6.64	7.44	8.17	8.94
40.0	1.90	2.44	3.08	3.86	4.78	5.86	6.34	7.11	7.81	8.57
45.0		2.29	2.90	3.64	4.52	5.56	6.03	6.78	7.45	8.18
50.0		2.14	2.72	3.43	4.27	5.26	5.71	6.43	7.09	7.79
55.0			2.54	3.21	4.01	4.96	5.39	6.08	6.71	7.39
60.0				2.99	3.75	4.65	5.06	5.73	6.33	6.98
65.0				2.77	3.49	4.35	4.73	5.37	5.94	6.57
70.0					3.23	4.04	4.41	5.01	5.56	6.16
75.0					2.97	3.73	4.08	4.65	5.17	5.74

50 Hz		YH06K1E-PFJ								R134a
Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
17.0	0.79	0.82	0.85	0.86	0.86					
20.0	0.82	0.86	0.88	0.90	0.90					
25.0	0.88	0.92	0.95	0.97	0.98	0.98	0.98			
30.0	0.94	0.98	1.02	1.05	1.07	1.08	1.08	1.07	1.06	1.06
35.0	1.00	1.06	1.10	1.14	1.16	1.18	1.18	1.18	1.18	1.16
40.0	1.07	1.14	1.18	1.23	1.26	1.28	1.28	1.29	1.29	1.28
45.0		1.22	1.28	1.32	1.36	1.40	1.40	1.41	1.42	1.42
50.0		1.32	1.38	1.44	1.48	1.52	1.52	1.54	1.54	1.55
55.0			1.49	1.56	1.60	1.65	1.66	1.68	1.69	1.70
60.0				1.68	1.74	1.79	1.80	1.83	1.84	1.86
65.0				1.82	1.89	1.94	1.96	1.99	2.01	2.02
70.0					2.05	2.12	2.14	2.17	2.19	2.21
75.0					2.23	2.30	2.32	2.36	2.38	2.40

Cond °C	Current at 230 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
17.0	6.58	6.58	6.59	6.60	6.60					
20.0	6.59	6.61	6.62	6.63	6.64					
25.0	6.62	6.65	6.68	6.70	6.72	6.72	6.71			
30.0	6.66	6.71	6.76	6.80	6.82	6.83	6.83	6.83	6.81	6.79
35.0	6.72	6.80	6.86	6.92	6.97	6.99	7.00	7.00	6.99	6.98
40.0	6.81	6.91	7.01	7.09	7.16	7.20	7.21	7.22	7.22	7.22
45.0		7.07	7.20	7.31	7.40	7.47	7.49	7.51	7.52	7.52
50.0		7.28	7.44	7.58	7.70	7.80	7.83	7.86	7.89	7.90
55.0			7.74	7.92	8.07	8.20	8.24	8.30	8.33	8.36
60.0				8.32	8.52	8.68	8.74	8.81	8.86	8.90
65.0				8.81	9.05	9.25	9.32	9.42	9.49	9.54
70.0					9.67	9.92	10.00	10.13	10.21	10.29
75.0					10.39	10.69	10.79	10.94	11.05	11.15

50 Hz

YH06K1E-PFJ

R134a

Cond °C	Suction Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
17.0	13.55	16.70	20.40	24.80	29.80					
20.0	13.45	16.60	20.40	24.70	29.80					
25.0	13.25	16.45	20.20	24.60	29.70	35.50	38.00			
30.0	13.05	16.25	20.00	24.40	29.50	35.40	37.90	42.00	45.70	49.50
35.0	12.80	16.05	19.80	24.20	29.40	35.20	37.80	41.90	45.60	49.50
40.0	12.60	15.80	19.60	24.00	29.20	35.10	37.70	41.80	45.50	49.40
45.0		15.60	19.35	23.80	28.90	34.90	37.50	41.60	45.40	49.30
50.0		15.35	19.10	23.50	28.70	34.60	37.20	41.40	45.20	49.20
55.0			18.85	23.20	28.40	34.30	37.00	41.20	45.00	49.00
60.0				23.00	28.10	34.10	36.70	41.00	44.80	48.80
65.0				22.70	27.80	33.80	36.40	40.70	44.60	48.70
70.0					27.50	33.50	36.20	40.50	44.40	48.50
75.0					27.30	33.30	36.00	40.30	44.30	48.50

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	8.00
Length/Width, mm	253/248
Height, mm	387
Net Weight, kg	27.7
Gross Weight, kg	30.5
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	1.45
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 (0)
Sound Pressure @ 1m (HT), dBA	61
Sound Power (HT), dBA	72
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	-7 / 50 / 3 °C at 50 Hz
Max. Low Side Internal Free Volume, l	4.2
Max. High Side Internal Free Volume, l	0.5
Max. Internal Free Volume, l	4.70
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	1430
Refrigerant's classification	A1

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

Maximum Operating Current, A	16.2
Locked Rotor Current, A	76
Winding Resistance, ohm	0.94/2.07 (R/S)
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Crankcase Heater	49/ 53 W External
Mounting Parts	Rubber

ACCESSORIES OPTIONAL

50 Hz

YH06K1E-PFJ

R134a

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
PFJ	265 V / 1~ / 60 Hz	265		PSC	0.75