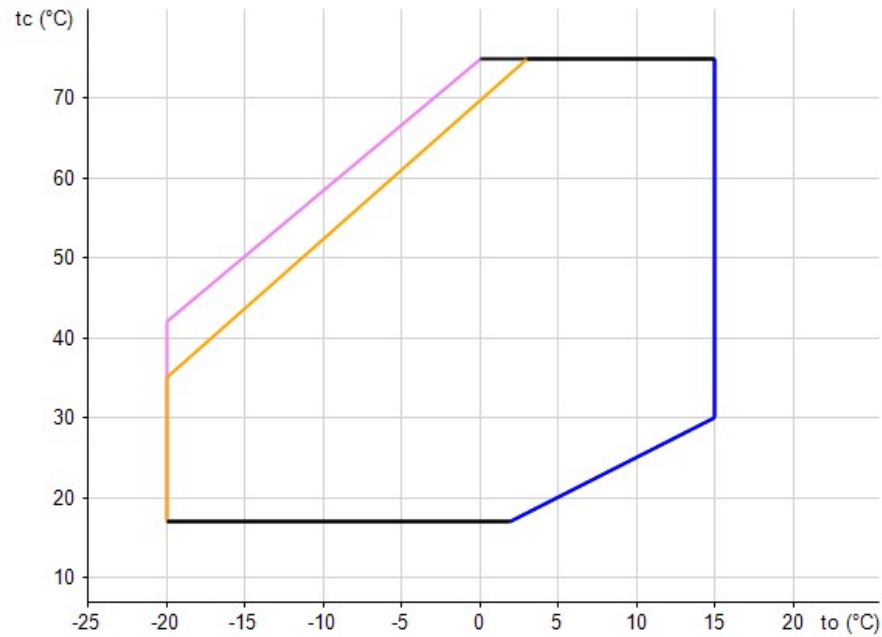


50 Hz

YH07K1E-PFJ

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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	2.92	3.75	4.76	5.98	7.44					
20.0	2.84	3.65	4.63	5.83	7.25					
25.0	2.71	3.48	4.43	5.58	6.95	8.57	9.29			
30.0	2.58	3.32	4.22	5.32	6.64	8.20	8.89	10.00	11.05	12.10
35.0	2.45	3.16	4.02	5.07	6.33	7.82	8.49	9.57	10.55	11.60
40.0	2.34	3.00	3.82	4.81	6.01	7.44	8.08	9.11	10.05	11.05
45.0		2.85	3.62	4.56	5.70	7.06	7.67	8.66	9.56	10.50
50.0		2.70	3.42	4.31	5.39	6.67	7.25	8.20	9.05	9.98
55.0			3.23	4.06	5.07	6.29	6.84	7.73	8.55	9.43
60.0				3.82	4.76	5.90	6.42	7.27	8.04	8.88
65.0				3.58	4.45	5.52	6.01	6.81	7.54	8.33
70.0					4.15	5.14	5.60	6.35	7.03	7.78
75.0					3.86	4.77	5.19	5.89	6.54	7.24

50 Hz

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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	1.04	1.06	1.08	1.10	1.10					
20.0	1.08	1.11	1.14	1.15	1.16					
25.0	1.14	1.18	1.22	1.24	1.25	1.25	1.25			
30.0	1.22	1.27	1.30	1.32	1.35	1.36	1.36	1.36	1.36	1.36
35.0	1.30	1.35	1.40	1.43	1.46	1.48	1.48	1.49	1.49	1.49
40.0	1.40	1.45	1.50	1.54	1.58	1.61	1.62	1.63	1.64	1.64
45.0		1.56	1.62	1.68	1.72	1.76	1.77	1.78	1.80	1.80
50.0		1.69	1.76	1.82	1.88	1.92	1.94	1.96	1.98	2.00
55.0			1.92	1.99	2.05	2.11	2.13	2.16	2.19	2.21
60.0				2.18	2.26	2.33	2.35	2.39	2.42	2.44
65.0				2.40	2.48	2.57	2.60	2.64	2.67	2.71
70.0					2.74	2.83	2.87	2.92	2.96	3.00
75.0					3.03	3.14	3.18	3.24	3.29	3.33

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	6.87	6.97	7.05	7.10	7.12					
20.0	7.02	7.14	7.23	7.28	7.31					
25.0	7.28	7.41	7.52	7.60	7.64	7.66	7.65			
30.0	7.55	7.70	7.83	7.93	8.00	8.04	8.05	8.05	8.04	8.02
35.0	7.84	8.01	8.17	8.30	8.39	8.46	8.48	8.50	8.51	8.50
40.0	8.16	8.37	8.55	8.70	8.83	8.94	8.97	9.01	9.03	9.04
45.0		8.77	8.98	9.17	9.33	9.47	9.52	9.58	9.62	9.65
50.0		9.23	9.48	9.70	9.91	10.08	10.14	10.23	10.29	10.35
55.0			10.05	10.32	10.56	10.78	10.86	10.97	11.06	11.14
60.0				11.03	11.32	11.58	11.68	11.82	11.93	12.03
65.0				11.85	12.18	12.49	12.61	12.78	12.92	13.04
70.0					13.17	13.53	13.67	13.87	14.03	14.19
75.0					14.29	14.71	14.87	15.10	15.30	15.48

50 Hz

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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	15.95	20.00	25.00	30.90	37.80					
20.0	15.85	19.95	24.90	30.80	37.70					
25.0	15.70	19.80	24.70	30.60	37.50	45.40	48.90			
30.0	15.60	19.70	24.60	30.40	37.20	45.10	48.60	54.20	59.20	64.50
35.0	15.55	19.55	24.40	30.20	37.00	44.90	48.30	53.90	58.90	64.20
40.0	15.50	19.45	24.30	30.00	36.70	44.50	48.00	53.60	58.50	63.80
45.0		19.40	24.10	29.80	36.40	44.20	47.70	53.20	58.20	63.50
50.0		19.40	24.00	29.60	36.20	43.90	47.30	52.80	57.70	63.00
55.0			24.00	29.40	35.90	43.50	46.90	52.40	57.30	62.60
60.0				29.30	35.70	43.20	46.60	52.00	56.90	62.10
65.0				29.20	35.50	42.90	46.20	51.60	56.50	61.70
70.0					35.40	42.60	45.90	51.30	56.10	61.40
75.0					35.40	42.50	45.80	51.10	55.90	61.10

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	9.95
Length/Width, mm	253/248
Height, mm	401
Net Weight, kg	28.7
Gross Weight, kg	31.6
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	64
Sound Power (HT), dBA	75
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	-7 / 50 / 3 °C at 50 Hz
Max. Low Side Internal Free Volume, l	4.3
Max. High Side Internal Free Volume, l	0.5
Max. Internal Free Volume, l	4.80
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	20.6
Locked Rotor Current, A	97
Winding Resistance, ohm	0.69/1.65 (R/S)
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Crankcase Heater	49/ 53 W External
Mounting Parts	Rubber

ACCESSORIES OPTIONAL

50 Hz

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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