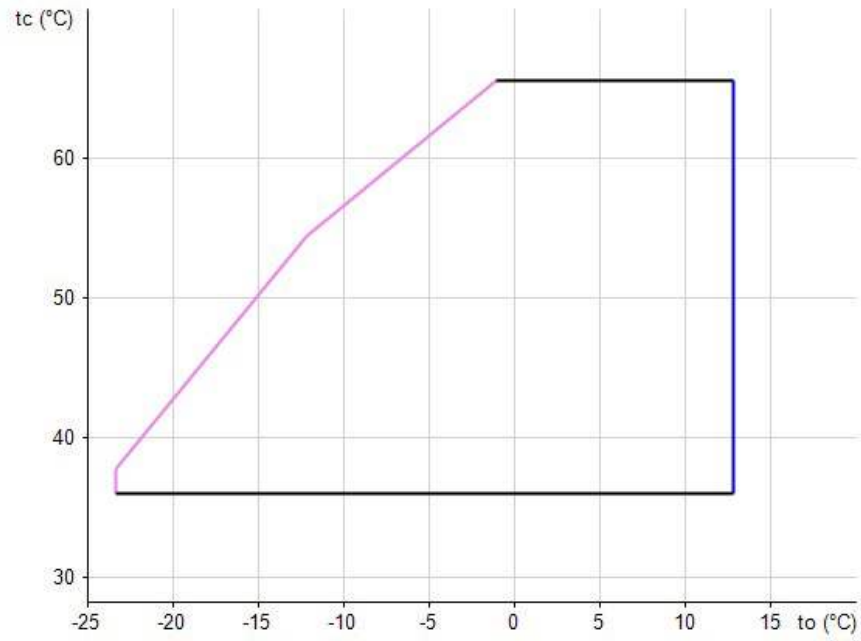


50 Hz

CR31K8M-PFZ

R22



Minimum Evaporating Temp. With:

35 °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	10.0	12.5
36.0	1.83	2.95	4.27	5.77	7.44	9.29	11.35	12.45
40.0	1.52	2.59	3.87	5.33	6.97	8.80	10.80	11.90
45.0		2.15	3.35	4.75	6.35	8.13	10.10	11.15
50.0		1.74	2.84	4.17	5.69	7.41	9.33	10.35
55.0			2.38	3.60	5.03	6.67	8.52	9.52
60.0				3.07	4.39	5.93	7.68	8.64
65.0					3.79	5.21	6.85	7.76

50 Hz

CR31K8M-PFZ

R22

Cond °C	Power, kW							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	12.5
36.0	1.56	1.68	1.78	1.84	1.88	1.92	1.96	1.98
40.0	1.61	1.74	1.84	1.91	1.96	2.02	2.08	2.12
45.0		1.80	1.91	2.00	2.07	2.15	2.23	2.28
50.0		1.85	1.97	2.08	2.17	2.27	2.39	2.46
55.0			2.02	2.14	2.27	2.40	2.55	2.63
60.0				2.20	2.35	2.51	2.70	2.80
65.0					2.41	2.61	2.84	2.96

Cond °C	Current at 230 V, A							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	12.5
36.0	7.65	8.20	8.55	8.81	9.08	9.46	10.05	10.46
40.0	7.79	8.39	8.79	9.08	9.38	9.78	10.39	10.80
45.0		8.58	9.06	9.42	9.78	10.24	10.89	11.32
50.0		8.68	9.27	9.74	10.19	10.73	11.46	11.92
55.0			9.37	9.97	10.55	11.21	12.04	12.55
60.0				10.10	10.83	11.63	12.60	13.18
65.0					10.98	11.95	13.09	13.75

Cond °C	Suction Mass Flow, g/s							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	12.5
36.0	10.70	17.00	24.30	32.40	41.30	51.00	61.60	67.20
40.0	9.16	15.35	22.70	30.80	39.90	49.80	60.50	66.20
45.0		13.25	20.40	28.60	37.70	47.70	58.60	64.50
50.0		11.20	18.05	26.10	35.20	45.30	56.30	62.20
55.0			15.80	23.50	32.40	42.50	53.60	59.50
60.0				21.00	29.60	39.50	50.50	56.40
65.0					26.90	36.40	47.20	53.10

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m³/h	9.32
Bore/Stroke, mm	42.1/19.2
Length/Width, mm	236/231
Height, mm	380
Net Weight, kg	31.5
Gross Weight, kg	32
Stub Suction, inch	5/8
Stub Discharge, inch	3/8
Oil Quantity, l	1.2
Base mounting (hole dia), mm	190.5 x 190.5 (8.4)
Sound Pressure @ 1m (HT), dBA	67
Sound Power (HT), dBA	78
Max. Internal Free Volume, l	70.0
High Side PS gauge, bar	29.4
Low Side PS gauge, bar	6.4
Low Side TS Max., °C	12.8
Low Side TS Min., °C	-23
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Locked Rotor Current, A	80
Winding Resistance, ohm	0.93/3.5 (R/S)
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

Mounting Grommets	Standard
Single Phase Equipment	Relay, Start and Run Capacitor

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
PFZ	220-240 V / 1~ / 50 Hz	230		CSCR	1.00