



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
27.0	2.77	4.38	6.18	8.24	10.60	13.35	16.55	18.30
30.0	2.43	4.00	5.78	7.80	10.15	12.85	15.95	17.70
35.0	1.92	3.42	5.12	7.08	9.34	11.95	15.00	16.70
40.0	1.47	2.84	4.45	6.31	8.48	11.00	13.95	15.60
45.0		2.30	3.78	5.52	7.58	9.99	12.80	14.40
50.0		1.82	3.15	4.75	6.66	8.93	11.60	13.15
55.0			2.59	4.02	5.76	7.87	10.40	11.85
60.0				3.35	4.91	6.83	9.17	10.50
65.0					4.13	5.83	7.96	9.20

50 Hz

CR42K6ME-PFZ

R407C Dew Point

Cond °C	Power, kW							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	12.5
27.0	1.84	1.99	2.09	2.14	2.15	2.10	2.00	1.92
30.0	1.73	1.91	2.05	2.14	2.17	2.16	2.09	2.04
35.0	1.62	1.84	2.03	2.17	2.26	2.30	2.29	2.26
40.0	1.55	1.82	2.06	2.24	2.38	2.47	2.51	2.51
45.0		1.84	2.11	2.34	2.53	2.66	2.75	2.77
50.0		1.86	2.17	2.44	2.67	2.85	2.99	3.03
55.0			2.22	2.53	2.80	3.02	3.20	3.27
60.0				2.58	2.89	3.15	3.37	3.46
65.0					2.93	3.23	3.48	3.59

Cond °C	Current at 230 V, A							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	12.5
27.0	6.63	6.89	7.06	7.06	6.79	6.18	5.13	4.43
30.0	7.79	8.24	8.64	8.90	8.92	8.63	7.95	7.43
35.0	8.83	9.53	10.21	10.79	11.20	11.35	11.15	10.89
40.0	9.25	10.11	11.00	11.84	12.56	13.07	13.28	13.24
45.0		10.22	11.25	12.28	13.24	14.03	14.57	14.73
50.0		10.12	11.21	12.36	13.48	14.48	15.29	15.59
55.0			11.13	12.31	13.52	14.66	15.66	16.07
60.0				12.38	13.60	14.81	15.92	16.42
65.0					13.98	15.18	16.33	16.86

Cond °C	Suction Mass Flow, g/s							
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	10.0	12.5
27.0	14.60	22.80	31.70	41.60	52.90	65.70	80.30	88.40
30.0	13.20	21.40	30.40	40.40	51.80	64.70	79.50	87.60
35.0	10.90	19.00	28.10	38.20	49.70	62.80	77.70	86.00
40.0	8.70	16.50	25.50	35.60	47.10	60.20	75.30	83.60
45.0		14.05	22.70	32.60	44.00	57.20	72.30	80.70
50.0		11.75	19.90	29.50	40.70	53.70	68.80	77.20
55.0			17.30	26.30	37.10	49.90	64.80	73.20
60.0				23.40	33.50	45.80	60.50	68.80
65.0					30.10	41.70	55.90	64.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	2
Displacement @ 50 Hz, m ³ /h	12.5
Bore/Stroke, mm	49.8/18.5
Length/Width, mm	264/234
Height, mm	362
Net Weight, kg	34.9
Gross Weight, kg	36
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.33
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	68
Sound Power (HT), dBA	79
Refrigerant's GWP	1774
Refrigerant's classification	A1

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

Locked Rotor Current, A	104
Default Enclosure Class	IP 21/54 (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		PSC	1.00