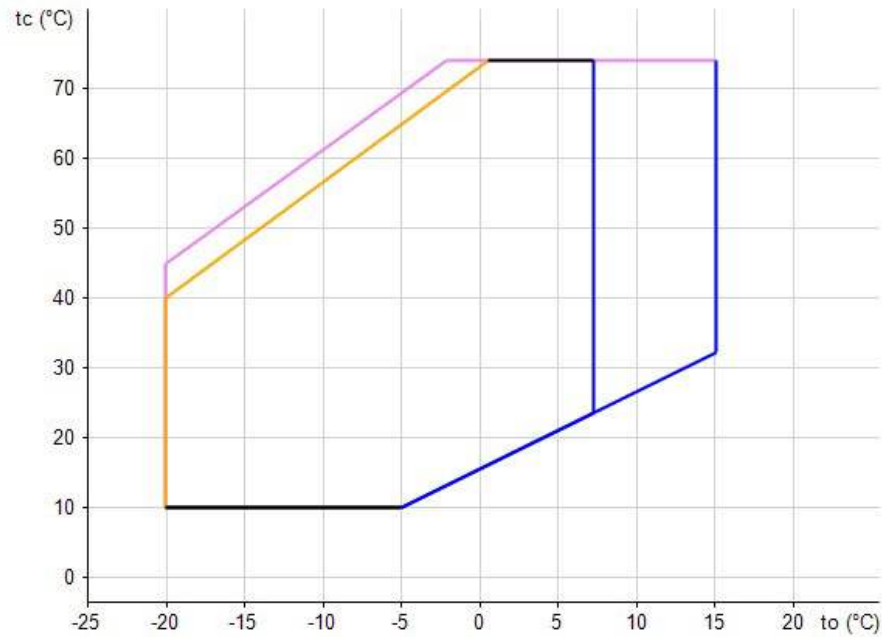




Minimum Evaporating Temp. With:

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

Suction Return Temperature 18.3°C

Liquid Subcooling 0.0K

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
10.0	1.48	1.86	2.29	2.81						
15.0	1.37	1.73	2.15	2.64						
20.0	1.28	1.62	2.02	2.49	3.03					
25.0	1.22	1.54	1.92	2.36	2.88	3.48	3.75			
30.0	1.16	1.46	1.82	2.25	2.74	3.31	3.56	3.97	4.34	
35.0	1.10	1.40	1.74	2.14	2.61	3.15	3.39	3.78	4.13	
40.0	1.06	1.34	1.66	2.04	2.48	3.00	3.23	3.60	3.93	
45.0		1.27	1.58	1.93	2.35	2.84	3.06	3.41	3.73	
50.0			1.48	1.82	2.22	2.68	2.89	3.22	3.53	
55.0			1.38	1.70	2.07	2.51	2.71	3.03	3.31	
60.0				1.56	1.92	2.33	2.51	2.81	3.09	
65.0					1.74	2.12	2.30	2.58	2.84	
70.0					1.52	1.90	2.06	2.32	2.57	
73.9										

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
10.0	0.48	0.48	0.48	0.46						
15.0	0.47	0.48	0.49	0.48						
20.0	0.48	0.50	0.51	0.51	0.50					
25.0	0.51	0.53	0.54	0.55	0.55	0.54	0.53			
30.0	0.54	0.57	0.59	0.60	0.61	0.61	0.60	0.59	0.58	
35.0	0.59	0.62	0.64	0.66	0.68	0.68	0.68	0.68	0.67	
40.0	0.64	0.67	0.70	0.73	0.75	0.76	0.76	0.76	0.76	
45.0		0.74	0.77	0.80	0.82	0.84	0.85	0.86	0.86	
50.0			0.84	0.87	0.90	0.93	0.94	0.95	0.96	
55.0			0.92	0.95	0.99	1.02	1.03	1.05	1.06	
60.0				1.03	1.07	1.11	1.12	1.14	1.16	
65.0					1.16	1.20	1.22	1.24	1.26	
70.0					1.24	1.28	1.30	1.33	1.35	
73.9										

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
10.0	2.20	2.24	2.22	2.16						
15.0	2.19	2.25	2.27	2.24						
20.0	2.24	2.32	2.37	2.38	2.34					
25.0	2.35	2.45	2.52	2.56	2.56	2.51	2.47			
30.0	2.52	2.63	2.73	2.80	2.83	2.82	2.80	2.76	2.71	
35.0	2.73	2.86	2.97	3.07	3.13	3.16	3.16	3.14	3.11	
40.0	2.98	3.12	3.25	3.37	3.46	3.52	3.54	3.55	3.54	
45.0		3.42	3.56	3.70	3.82	3.91	3.94	3.98	3.99	
50.0			3.90	4.05	4.20	4.32	4.36	4.42	4.45	
55.0			4.25	4.42	4.58	4.73	4.79	4.86	4.92	
60.0				4.79	4.98	5.15	5.22	5.31	5.38	
65.0					5.37	5.57	5.64	5.75	5.84	
70.0					5.76	5.97	6.06	6.18	6.28	
73.9										

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
10.0	7.21	9.08	11.30	13.85						
15.0	6.92	8.77	10.95	13.50						
20.0	6.73	8.55	10.70	13.25	16.20					
25.0	6.61	8.41	10.55	13.05	16.00	19.45	21.00			
30.0	6.56	8.34	10.45	12.90	15.85	19.30	20.90	23.40	25.70	
35.0	6.55	8.31	10.40	12.85	15.75	19.20	20.80	23.30	25.60	
40.0	6.55	8.30	10.35	12.80	15.70	19.15	20.70	23.20	25.50	
45.0		8.28	10.30	12.75	15.65	19.05	20.60	23.10	25.40	
50.0			10.25	12.65	15.55	19.00	20.50	23.10	25.40	
55.0			10.10	12.50	15.40	18.85	20.40	22.90	25.30	
60.0				12.20	15.10	18.55	20.10	22.70	25.10	
65.0					14.65	18.15	19.70	22.30	24.70	
70.0					13.90	17.45	19.05	21.70	24.20	
73.9										

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	4.39
Length/Width, mm	246/246
Height, mm	387
Net Weight, kg	22
Stub Suction, inch	3/4
Stub Discharge, inch	1/2
Oil Quantity, l	0.74
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 (19)
Sound Pressure @ 1m (MT), dBA	57
Sound Power (MT), dBA	68
Sound Conditions (MT, Temperatures: Evap./Cond./Suction at freq./speed)	-10 / 45 / 20 °C at 50 Hz
Max. Internal Free Volume, l	2.00
High Side PS gauge, bar	31.9
Low Side PS gauge, bar	21.6
Refrigerant's GWP	1430
Refrigerant's classification	A1

50 Hz

ZS11KAE-PFJ

R134a

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

Maximum Operating Current, A	8.7
Locked Rotor Current, A	45
Winding Resistance, ohm	1.9/2.91 (R/S)
Default Enclosure Class	IP 66

ACCESSORIES INCLUDED

Mounting Grommets	Standard
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ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Crankcase Heater	40 W External
Discharge Temperature Protection	Discharge line thermostat
Enclosure Class	IP66 With Molded Plug
Rotalock valves	suction and discharge

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
PFJ	220-240 V / 1~ / 50 Hz	230		PSC	1.00