



Minimum Evaporating Temp. With:

- 10 K Suction Superheat
- 5 K Suction Superheat
- Maximum Evaporating Temperature

Drive Frequency Range 60 - 360 Hz

Suction Superheat 11.1K

Compressor Speed 50 1/s

Liquid Subcooling 8.3K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW														
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0
15.0	7.68	8.66	9.97	11.65	13.70										
20.0	6.76	7.86	9.27	11.00	13.15	15.70	18.70								
25.0	5.96	7.15	8.63	10.45	12.65	15.20	18.25	21.70	23.30	25.70					
30.0	5.28	6.52	8.06	9.91	12.10	14.70	17.75	21.20	22.80	25.20	27.40	29.70			
35.0	4.70	5.98	7.54	9.40	11.60	14.20	17.20	20.70	22.20	24.60	26.80	29.00	34.10		
40.0	4.23	5.52	7.07	8.92	11.10	13.65	16.60	20.00	21.50	23.90	26.00	28.20	33.20	38.70	
45.0	3.87	5.13	6.65	8.46	10.60	13.10	15.95	19.25	20.70	23.00	25.10	27.30	32.10	37.50	43.40
50.0			6.27	8.01	10.05	12.45	15.25	18.40	19.85	22.10	24.10	26.20	30.90	36.10	41.90
55.0				7.57	9.50	11.80	14.45	17.50	18.85	21.00	22.90	25.00	29.50	34.50	40.10
60.0					8.92	11.05	13.55	16.45	17.70	19.75	21.60	23.50	27.80	32.70	38.10
65.0						10.25	12.55	15.25	16.45	18.35	20.10	22.00	26.00	30.70	
70.0							11.50	13.95	15.05	16.85	18.45	20.20	24.00		
75.0								12.55	13.55	15.15	16.65	18.25			

Cond °C	Power, kW														
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0
15.0	2.96	2.99	2.99	2.95	2.87										
20.0	2.96	3.02	3.04	3.03	2.97	2.88	2.75								
25.0	3.03	3.10	3.14	3.15	3.13	3.07	2.97	2.83	2.77	2.65					
30.0	3.19	3.26	3.31	3.34	3.33	3.30	3.23	3.13	3.08	2.99	2.91	2.81			
35.0	3.42	3.50	3.56	3.59	3.60	3.59	3.54	3.47	3.43	3.36	3.30	3.23	3.05		
40.0	3.76	3.83	3.89	3.92	3.94	3.94	3.92	3.86	3.84	3.79	3.74	3.68	3.54	3.37	
45.0	4.20	4.26	4.31	4.34	4.36	4.37	4.36	4.32	4.30	4.26	4.23	4.18	4.07	3.94	3.77
50.0			4.83	4.86	4.87	4.88	4.87	4.85	4.83	4.81	4.78	4.74	4.66	4.55	4.42
55.0				5.48	5.48	5.48	5.47	5.45	5.44	5.42	5.40	5.37	5.31	5.22	5.12
60.0					6.20	6.19	6.17	6.15	6.14	6.12	6.10	6.08	6.03	5.96	5.88
65.0						7.01	6.98	6.95	6.94	6.92	6.90	6.88	6.83	6.77	
70.0							7.91	7.86	7.85	7.82	7.80	7.77	7.72		
75.0								8.91	8.88	8.84	8.81	8.79			

Cond °C	Inverter Current at 400 V, A														
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0
15.0	4.58	4.67	4.70	4.67	4.56										
20.0	4.73	4.85	4.91	4.92	4.86	4.73	4.54								
25.0	4.95	5.09	5.17	5.21	5.18	5.10	4.97	4.77	4.67	4.50					
30.0	5.25	5.40	5.50	5.55	5.56	5.51	5.42	5.27	5.19	5.06	4.94	4.80			
35.0	5.66	5.80	5.91	5.97	6.00	5.98	5.92	5.81	5.75	5.65	5.55	5.44	5.19		
40.0	6.18	6.31	6.41	6.48	6.52	6.52	6.48	6.40	6.36	6.29	6.21	6.13	5.92	5.67	
45.0	6.85	6.96	7.04	7.11	7.14	7.15	7.13	7.07	7.04	6.99	6.93	6.86	6.70	6.50	6.26
50.0			7.81	7.86	7.89	7.89	7.88	7.84	7.81	7.77	7.73	7.67	7.55	7.39	7.20
55.0				8.76	8.77	8.77	8.75	8.71	8.69	8.66	8.62	8.58	8.48	8.36	8.21
60.0					9.82	9.80	9.76	9.72	9.70	9.67	9.64	9.60	9.52	9.42	9.30
65.0						11.00	10.95	10.89	10.86	10.83	10.79	10.76	10.69	10.60	
70.0							12.32	12.24	12.20	12.16	12.12	12.08	12.00		
75.0								13.80	13.75	13.69	13.64	13.59			

Cond °C	Suction Mass Flow, g/s															
	-30.0	-25.0	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0	
15.0	42.20	46.80	52.90	60.70	70.20											
20.0	38.70	44.10	51.10	59.70	70.00	82.20	96.30									
25.0	35.60	41.90	49.60	58.90	70.00	82.90	97.70	114.50	122.00	133.50						
30.0	33.00	40.00	48.40	58.40	70.10	83.60	99.10	116.50	124.00	136.00	147.00	158.00				
35.0	30.90	38.50	47.50	58.00	70.30	84.40	100.50	118.50	126.00	138.50	149.50	161.00	186.00			
40.0	29.30	37.40	46.80	57.90	70.60	85.10	101.50	120.00	128.00	141.00	152.00	164.00	189.00	217.00		
45.0	28.40	36.80	46.50	57.90	70.90	85.80	102.50	121.50	129.50	142.50	154.00	166.00	192.00	221.00	252.00	
50.0		46.60	58.10	71.30	86.40	103.50	122.50	131.00	144.00	155.50	168.00	194.50	223.00	255.00		
55.0			58.50	71.70	86.90	104.00	123.50	131.50	145.00	157.00	169.00	196.00	225.00	258.00		
60.0				72.20	87.20	104.50	123.50	132.00	145.50	157.50	170.00	197.00	227.00	260.00		
65.0					87.40	104.50	123.50	132.00	145.50	157.00	170.00	197.00	227.00			
70.0						104.00	123.00	131.00	144.50	156.50	169.00	196.50				
75.0							121.50	130.00	143.00	155.00	168.00					

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	21.4
Length/Width, mm	267/246
Height, mm	559
Net Weight, kg	42
Gross Weight, kg	44.5
Drive Frequency Range, Hz	60 - 360
Compressor Speed Range, 1/min	1200 - 7200
Oil Quantity, l	2.51
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Sound Pressure @ 1m (HT), dBA	69
Sound Power (HT), dBA	80
Sound Power with Sound Shell (HT), dBA	75
Sound Conditions (HT, Temperatures:	-7 / 50 / 3 °C at 75 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	3
Max. Low Side Internal Free Volume, l	8.4
Max. High Side Internal Free Volume, l	0.99
Max. Internal Free Volume, l	9.40
High Side PS gauge, bar	42
Low Side PS gauge, bar	25
Low Side TS Max., °C	60
Low Side TS Min., °C	-35
High Side TS Max., °C	150
High Side TS Min., °C	-35
Refrigerant's GWP	148
Refrigerant's classification	A2L

COMPRESSOR ELECTRICAL DATA (380-420 V / 3~ / 50 Hz)

Default Enclosure Class	IP 54 (IEC 34)
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ACCESSORIES INCLUDED

ACCESSORIES OPTIONAL

Sound Attenuation	Sound Shell
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MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
4X9	380-420 V / 3~ / 50 Hz	400	Y		1.00

