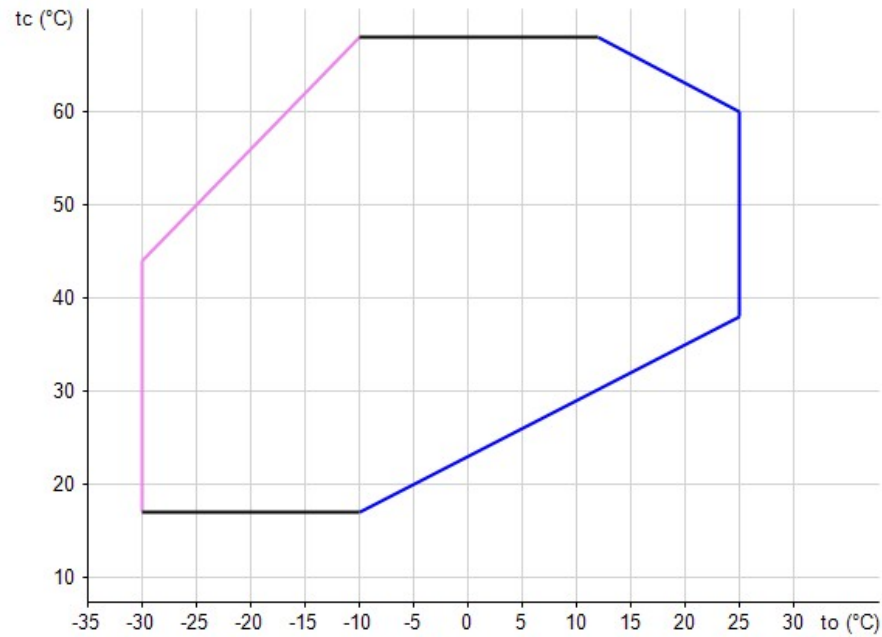


50 Hz

ZHI11K1P-TFM

R410A Dew Point



Minimum Evaporating Temp. With:

10 K Suction Superheat

Maximum Evaporating Temperature

Suction Superheat 11.1K

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
17.0	4.13	4.97	5.95	7.07	8.36									
20.0	4.07	4.92	5.90	7.02	8.30	9.73								
25.0	3.96	4.81	5.79	6.91	8.17	9.58	11.15							
30.0	3.84	4.69	5.66	6.76	8.00	9.39	10.95	12.65	13.40	14.55				
35.0	3.70	4.54	5.50	6.58	7.80	9.15	10.65	12.35	13.05	14.15	15.15	16.15	18.35	
40.0	3.55	4.38	5.32	6.37	7.56	8.88	10.35	11.95	12.65	13.75	14.70	15.70	17.80	20.10
45.0		4.20	5.11	6.14	7.29	8.56	9.97	11.55	12.20	13.25	14.15	15.10	17.15	19.40
50.0		4.01	4.90	5.88	6.99	8.21	9.57	11.05	11.70	12.70	13.60	14.50	16.50	18.60
55.0			4.66	5.61	6.66	7.83	9.12	10.55	11.15	12.10	12.95	13.85	15.70	17.75
60.0				5.31	6.31	7.41	8.64	9.99	10.55	11.50	12.30	13.10	14.90	16.85
65.0					5.93	6.97	8.12	9.40	9.94	10.80	11.55	12.35		
68.0					5.70	6.69	7.80	9.02	9.55	10.35				

50 Hz

ZHI11K1P-TFM

R410A Dew Point

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
17.0	1.44	1.44	1.44	1.42	1.38									
20.0	1.55	1.56	1.56	1.56	1.52	1.46								
25.0	1.75	1.76	1.78	1.78	1.76	1.72	1.64							
30.0	1.97	1.98	2.00	2.01	2.00	1.98	1.92	1.84	1.80	1.72				
35.0	2.22	2.24	2.25	2.27	2.27	2.25	2.22	2.15	2.12	2.05	1.98	1.91	1.72	
40.0	2.51	2.52	2.54	2.56	2.56	2.56	2.53	2.48	2.46	2.40	2.35	2.29	2.13	1.92
45.0		2.86	2.87	2.89	2.90	2.90	2.89	2.85	2.83	2.79	2.74	2.69	2.55	2.36
50.0		3.25	3.26	3.27	3.29	3.29	3.28	3.26	3.24	3.21	3.17	3.12	3.01	2.85
55.0			3.71	3.72	3.73	3.74	3.74	3.72	3.70	3.68	3.65	3.61	3.51	3.37
60.0				4.24	4.25	4.25	4.25	4.24	4.23	4.21	4.18	4.15	4.06	3.94
65.0					4.84	4.84	4.84	4.83	4.82	4.80	4.78	4.76		
68.0					5.23	5.23	5.23	5.22	5.21	5.20				

Cond °C	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
17.0	3.23	3.23	3.23	3.21	3.17									
20.0	3.36	3.37	3.37	3.36	3.33	3.27								
25.0	3.59	3.61	3.62	3.62	3.60	3.55	3.48							
30.0	3.85	3.86	3.88	3.89	3.88	3.85	3.79	3.70	3.65	3.56				
35.0	4.14	4.16	4.18	4.19	4.20	4.18	4.14	4.06	4.02	3.94	3.86	3.78	3.55	
40.0	4.50	4.51	4.53	4.55	4.56	4.55	4.52	4.46	4.43	4.36	4.30	4.22	4.02	3.77
45.0		4.93	4.95	4.97	4.99	4.99	4.97	4.92	4.89	4.84	4.78	4.71	4.54	4.31
50.0		5.44	5.46	5.48	5.49	5.50	5.49	5.45	5.43	5.39	5.34	5.28	5.13	4.92
55.0			6.06	6.08	6.10	6.11	6.10	6.08	6.06	6.02	5.98	5.93	5.79	5.61
60.0				6.80	6.82	6.83	6.82	6.80	6.79	6.76	6.72	6.68	6.56	6.39
65.0					7.66	7.67	7.67	7.66	7.64	7.62	7.59	7.55		
68.0					8.24	8.25	8.25	8.23	8.22	8.20				

50 Hz

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R410A Dew Point

Cond	Suction Mass Flow, g/s														
°C	-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	
17.0	17.90	21.80	26.50	32.00	38.40										
20.0	17.80	21.80	26.50	32.10	38.50	46.00									
25.0	17.55	21.60	26.40	32.00	38.50	46.00	54.70								
30.0	17.25	21.40	26.20	31.90	38.40	45.90	54.60	64.50	68.90	75.90					
35.0	16.90	21.10	25.90	31.50	38.10	45.60	54.20	64.10	68.50	75.50	81.80	88.50	103.50		
40.0	16.50	20.60	25.50	31.10	37.60	45.00	53.60	63.50	67.80	74.80	81.10	87.80	103.00	120.50	
45.0		20.20	25.00	30.50	36.90	44.30	52.80	62.60	66.90	73.80	80.10	86.80	102.00	119.50	
50.0		19.60	24.30	29.80	36.10	43.40	51.80	61.40	65.70	72.60	78.80	85.50	100.50	118.00	
55.0			23.60	29.00	35.20	42.30	50.50	60.00	64.20	71.00	77.20	83.80	98.70	116.00	
60.0				28.10	34.10	41.00	49.00	58.40	62.50	69.20	75.20	81.80	96.60	114.00	
65.0					32.80	39.50	47.40	56.40	60.50	67.00	73.00	79.50			
68.0					32.00	38.60	46.20	55.20	59.10	65.60					

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	6.93
Length/Width, mm	242/242
Height, mm	418
Net Weight, kg	31
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.25
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	63
Sound Power (HT), dBA	74
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	-7 / 50 / 3 °C at 50 Hz
PED Category	1
Max. Internal Free Volume, l	3.60
High Side PS gauge, bar	46
Low Side PS gauge, bar	28
Low Side TS Max., °C	50
Refrigerant's GWP	2088
Refrigerant's classification	A1

50 Hz

ZHI11K1P-TFM

R410A Dew Point

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

Maximum Operating Current, A	9.2
Locked Rotor Current, A	51.5
Winding Resistance, ohm	3.2
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED
ACCESSORIES OPTIONAL

Crankcase Heater	40 W External
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MOTOR OPTIONS

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