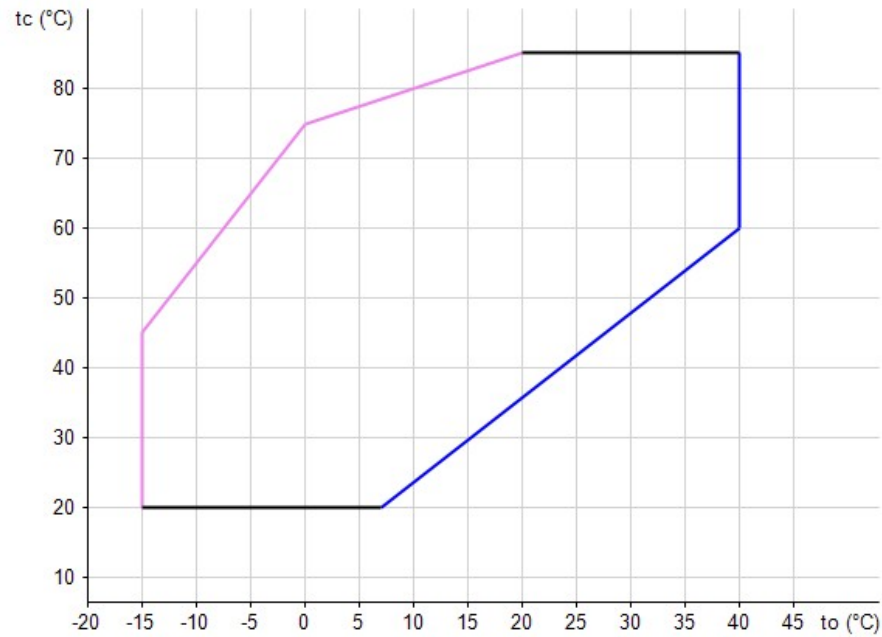




Minimum Evaporating Temp. With:

10 K Suction Superheat

Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW														
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0	35.0	40.0	
20.0	34.50	42.30	51.70	62.90	76.20	82.10									
25.0	32.40	39.90	49.00	59.70	72.40	78.10	87.30								
30.0	30.30	37.60	46.30	56.60	68.80	74.20	83.00	91.00	99.50						
35.0	28.20	35.30	43.60	53.50	65.10	70.30	78.60	86.20	94.40						
40.0	26.20	33.00	41.00	50.40	61.40	66.30	74.30	81.50	89.20	106.50					
45.0	24.20	30.80	38.40	47.30	57.70	62.30	69.90	76.70	84.00	100.50	119.00				
50.0		28.50	35.70	44.10	53.90	58.30	65.40	71.80	78.70	94.20	112.00	132.50			
55.0		26.10	32.90	40.80	50.10	54.20	60.80	66.80	73.30	87.90	104.50	124.00	146.00		
60.0			30.10	37.50	46.10	49.90	56.10	61.70	67.80	81.40	97.10	115.00	136.00	159.00	
65.0			27.20	34.00	42.00	45.50	51.30	56.50	62.10	74.80	89.40	106.50	125.50	147.50	
70.0				30.40	37.70	41.00	46.30	51.10	56.20	67.90	81.50	97.20	115.50	136.00	
75.0				26.60	33.30	36.20	41.00	45.40	50.10	60.80	73.30	87.80	104.50	124.00	
80.0							35.50	39.50	43.70	53.40	64.80	78.10	93.50	111.50	
85.0										45.60	55.80	67.80	81.80	98.10	

50 Hz

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Cond °C	Power, kW													
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0	35.0	40.0
20.0	8.50	8.70	8.99	9.40	9.96	10.25								
25.0	9.65	9.81	10.05	10.35	10.80	11.05	11.40							
30.0	10.85	11.00	11.20	11.45	11.80	11.95	12.30	12.60	12.95					
35.0	12.10	12.30	12.45	12.65	12.95	13.05	13.30	13.55	13.85					
40.0	13.45	13.65	13.80	14.00	14.25	14.35	14.55	14.70	14.95	15.50				
45.0	14.85	15.10	15.30	15.50	15.70	15.75	15.90	16.05	16.25	16.70	17.25			
50.0		16.70	16.95	17.10	17.30	17.40	17.50	17.60	17.75	18.10	18.55	19.15		
55.0		18.35	18.65	18.90	19.10	19.15	19.30	19.35	19.50	19.75	20.10	20.60	21.20	
60.0			20.60	20.80	21.10	21.10	21.30	21.30	21.40	21.60	21.90	22.30	22.80	23.50
65.0			22.60	22.90	23.20	23.30	23.40	23.50	23.60	23.80	24.00	24.30	24.70	25.20
70.0				25.20	25.60	25.70	25.80	25.90	26.00	26.20	26.40	26.60	26.90	27.30
75.0				27.70	28.10	28.20	28.40	28.60	28.70	28.80	29.00	29.20	29.40	29.70
80.0							31.30	31.40	31.60	31.80	31.90	32.10	32.20	32.40
85.0										35.00	35.10	35.30	35.40	35.50

Cond °C	Current at 400 V, A													
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0	35.0	40.0
20.0	20.91	21.13	21.49	22.04	22.84	23.24								
25.0	22.51	22.69	22.96	23.39	24.01	24.33	24.90							
30.0	24.17	24.35	24.57	24.90	25.39	25.64	26.09	26.53	27.05					
35.0	25.91	26.12	26.34	26.61	26.99	27.18	27.53	27.88	28.30					
40.0	27.77	28.05	28.28	28.52	28.83	28.98	29.25	29.53	29.85	30.68				
45.0	29.76	30.13	30.41	30.66	30.93	31.06	31.27	31.49	31.74	32.40	33.29			
50.0		32.40	32.77	33.06	33.32	33.43	33.61	33.79	33.99	34.50	35.20	36.15		
55.0		34.88	35.37	35.73	36.02	36.13	36.30	36.44	36.61	37.01	37.55	38.30	39.30	
60.0			38.23	38.70	39.06	39.18	39.34	39.48	39.62	39.95	40.37	40.95	41.74	42.80
65.0			41.38	41.99	42.44	42.59	42.78	42.92	43.06	43.34	43.68	44.13	44.74	45.57
70.0				45.63	46.20	46.39	46.62	46.79	46.94	47.22	47.50	47.84	48.31	48.94
75.0				49.62	50.36	50.60	50.90	51.11	51.29	51.59	51.85	52.13	52.48	52.96
80.0							55.62	55.89	56.12	56.47	56.75	57.00	57.27	57.62
85.0										61.91	62.23	62.47	62.70	62.96

50 Hz

ZH150KCE-TED

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Cond °C	Suction Mass Flow, g/s														
	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0	20.0	25.0	30.0	35.0	40.0	
20.0	233.00	280.00	334.00	398.00	472.00	505.00									
25.0	230.00	277.00	332.00	396.00	470.00	502.00	555.00								
30.0	226.00	274.00	329.00	393.00	467.00	500.00	552.00	599.00	648.00						
35.0	223.00	272.00	327.00	392.00	465.00	498.00	550.00	596.00	645.00						
40.0	220.00	269.00	326.00	390.00	463.00	496.00	547.00	593.00	643.00	750.00					
45.0	217.00	267.00	324.00	388.00	461.00	493.00	545.00	591.00	640.00	747.00	867.00				
50.0		265.00	322.00	386.00	459.00	491.00	542.00	588.00	636.00	743.00	862.00	997.00			
55.0		262.00	320.00	384.00	457.00	489.00	539.00	585.00	633.00	739.00	858.00	991.00	1140.00		
60.0			317.00	382.00	454.00	486.00	536.00	581.00	629.00	734.00	852.00	985.00	1134.00	1299.00	
65.0			314.00	379.00	451.00	482.00	532.00	577.00	624.00	729.00	847.00	979.00	1128.00	1293.00	
70.0				374.00	447.00	478.00	527.00	572.00	619.00	723.00	840.00	973.00	1121.00	1288.00	
75.0				369.00	441.00	472.00	522.00	566.00	613.00	716.00	834.00	966.00	1116.00	1283.00	
80.0						515.00	559.00	606.00	710.00	827.00	961.00	1111.00	1281.00		
85.0									704.00	823.00	958.00	1112.00	1285.00		

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	87.5
Length/Width, mm	390/447
Height, mm	715
Net Weight, kg	176
Stub Suction, inch	1 5/8
Stub Discharge, inch	1 3/8
Oil Quantity, l	6.3
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	266.7 x 266.7 (22.6)
Sound Pressure @ 1m (HT), dBA	76
Sound Power (HT), dBA	87
Sound Conditions (HT, Temperatures: Evap./Cond./Suction at freq./speed)	7 / 54 / 18 °C at 50 Hz
PED Category	II
Max. Low Side Internal Free Volume, l	32.1
Max. High Side Internal Free Volume, l	4.4
Max. Internal Free Volume, l	36.5
High Side PS gauge, bar	32
Low Side PS gauge, bar	20
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
High Side TS Max., °C	150
High Side TS Min., °C	-35
Refrigerant's GWP	631
Refrigerant's classification	A1

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

Maximum Operating Current, A	63
Locked Rotor Current, A	310
Winding Resistance, ohm	0.36
Default Enclosure Class	IP 56

ACCESSORIES INCLUDED
ACCESSORIES OPTIONAL

50 Hz

ZH150KCE-TED

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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>
TED	380-420 V / 3~ / 50 Hz	400		Y	1.00
TWD	380-420 V / 3~ / 50 Hz	400		Y	1.00
TWD	460 V / 3~ / 60 Hz	460		Y	1.04
TED	460 V / 3~ / 60 Hz	460		Y	1.04