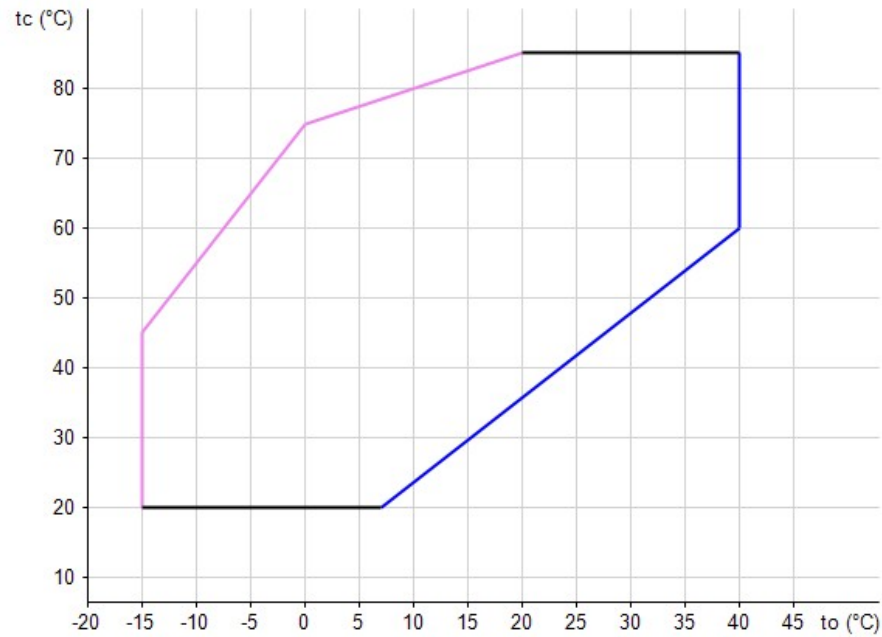




Minimum Evaporating Temp. With:

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	27.70	34.20	42.00	51.30	62.40	67.40									
25.0	26.00	32.30	39.80	48.80	59.40	64.20	71.90								
30.0	24.40	30.50	37.70	46.30	56.50	61.00	68.40	75.00	82.20						
35.0	22.70	28.60	35.60	43.80	53.50	57.80	64.80	71.20	78.00						
40.0	21.00	26.80	33.50	41.30	50.50	54.60	61.30	67.30	73.80	88.30					
45.0	19.25	24.80	31.30	38.70	47.50	51.30	57.60	63.30	69.50	83.20	99.00				
50.0		22.80	29.00	36.10	44.30	48.00	53.90	59.30	65.10	78.00	92.90	110.00			
55.0		20.70	26.60	33.30	41.10	44.50	50.10	55.10	60.60	72.70	86.80	103.00	121.50		
60.0			24.00	30.40	37.60	40.90	46.10	50.80	55.90	67.30	80.40	95.60	113.00	132.50	
65.0			21.30	27.20	34.10	37.10	41.90	46.30	51.10	61.60	73.90	88.10	104.50	123.00	
70.0				23.90	30.30	33.00	37.50	41.60	46.00	55.80	67.20	80.30	95.40	112.50	
75.0				20.40	26.20	28.80	32.90	36.60	40.70	49.70	60.10	72.30	86.30	102.50	
80.0							28.00	31.40	35.00	43.20	52.80	63.90	76.80	91.70	
85.0										36.40	45.00	55.10	66.80	80.40	

50 Hz

ZH125KCE-TED

R513A

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	7.23	7.31	7.44	7.64	7.91	8.04								
25.0	8.18	8.26	8.38	8.55	8.79	8.90	9.10							
30.0	9.16	9.24	9.34	9.49	9.69	9.79	9.96	10.10	10.30					
35.0	10.20	10.25	10.35	10.50	10.65	10.75	10.85	11.00	11.15					
40.0	11.30	11.40	11.45	11.55	11.70	11.75	11.90	12.00	12.10	12.45				
45.0	12.55	12.60	12.70	12.75	12.90	12.95	13.00	13.10	13.20	13.45	13.75			
50.0		14.00	14.05	14.15	14.20	14.25	14.30	14.35	14.45	14.60	14.85	15.20		
55.0		15.60	15.65	15.70	15.70	15.75	15.80	15.80	15.85	16.00	16.15	16.40	16.70	
60.0			17.45	17.45	17.45	17.45	17.50	17.50	17.50	17.55	17.65	17.85	18.05	18.35
65.0			19.45	19.45	19.45	19.45	19.45	19.40	19.40	19.40	19.45	19.50	19.65	19.85
70.0				21.80	21.70	21.70	21.70	21.60	21.60	21.50	21.50	21.50	21.50	21.60
75.0				24.40	24.30	24.30	24.20	24.20	24.10	24.00	23.90	23.80	23.70	23.70
80.0							27.10	27.10	27.00	26.80	26.60	26.50	26.30	26.20
85.0										30.00	29.70	29.50	29.30	29.10

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	20.90	20.93	21.01	21.18	21.45	21.59								
25.0	21.81	21.85	21.93	22.08	22.31	22.44	22.66							
30.0	22.74	22.79	22.87	23.00	23.20	23.31	23.50	23.69	23.90					
35.0	23.74	23.80	23.88	24.00	24.17	24.26	24.41	24.57	24.76					
40.0	24.87	24.95	25.03	25.13	25.27	25.34	25.46	25.59	25.74	26.12				
45.0	26.19	26.29	26.37	26.45	26.56	26.61	26.71	26.80	26.92	27.22	27.62			
50.0		27.87	27.95	28.02	28.09	28.13	28.19	28.26	28.34	28.56	28.87	29.28		
55.0		29.75	29.83	29.89	29.93	29.95	29.98	30.02	30.07	30.21	30.42	30.73	31.15	
60.0			32.07	32.11	32.13	32.13	32.14	32.14	32.16	32.22	32.34	32.53	32.82	33.23
65.0			34.73	34.76	34.74	34.73	34.70	34.68	34.67	34.65	34.67	34.76	34.92	35.19
70.0				37.87	37.83	37.80	37.74	37.70	37.64	37.55	37.48	37.45	37.49	37.62
75.0				41.52	41.44	41.40	41.31	41.24	41.15	40.98	40.82	40.68	40.60	40.59
80.0							45.47	45.37	45.25	45.00	44.75	44.50	44.29	44.14
85.0										49.67	49.32	48.97	48.64	48.34

50 Hz

ZH125KCE-TED

R513A

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	187.50	226.00	271.00	325.00	387.00	415.00								
25.0	184.50	224.00	270.00	323.00	385.00	413.00	457.00							
30.0	182.00	222.00	268.00	322.00	384.00	411.00	455.00	494.00	536.00					
35.0	179.00	220.00	267.00	321.00	382.00	410.00	453.00	492.00	533.00					
40.0	176.00	218.00	266.00	320.00	381.00	408.00	451.00	490.00	531.00	622.00				
45.0	172.00	216.00	264.00	318.00	380.00	406.00	449.00	488.00	529.00	619.00	720.00			
50.0		212.00	261.00	316.00	378.00	404.00	447.00	485.00	526.00	615.00	716.00	828.00		
55.0		208.00	258.00	313.00	375.00	402.00	444.00	482.00	523.00	611.00	711.00	823.00	948.00	
60.0			253.00	309.00	371.00	398.00	440.00	478.00	519.00	607.00	706.00	817.00	942.00	1081.00
65.0			246.00	303.00	366.00	393.00	435.00	473.00	513.00	601.00	700.00	811.00	936.00	1075.00
70.0				295.00	358.00	385.00	428.00	466.00	506.00	594.00	693.00	804.00	928.00	1068.00
75.0				283.00	348.00	375.00	419.00	457.00	497.00	585.00	684.00	795.00	921.00	1061.00
80.0							405.00	444.00	485.00	574.00	674.00	787.00	913.00	1055.00
85.0										561.00	663.00	778.00	908.00	1053.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	71.4
Length/Width, mm	390/447
Height, mm	715
Net Weight, kg	160
Gross Weight, kg	188
Rotalock Suction, inch	2 1/4 x 12 UN
Rotalock Discharge, inch	1 3/4 x 12 UN
Stub Suction, inch	1 5/8 ID
Stub Discharge, inch	1 3/8 ID
Oil Quantity, l	6.8
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	74
Sound Power (HT), dBA	85
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	52.8
Locked Rotor Current, A	272
Winding Resistance, ohm	0.51
Default Enclosure Class	IP 56

ACCESSORIES INCLUDED
ACCESSORIES OPTIONAL

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