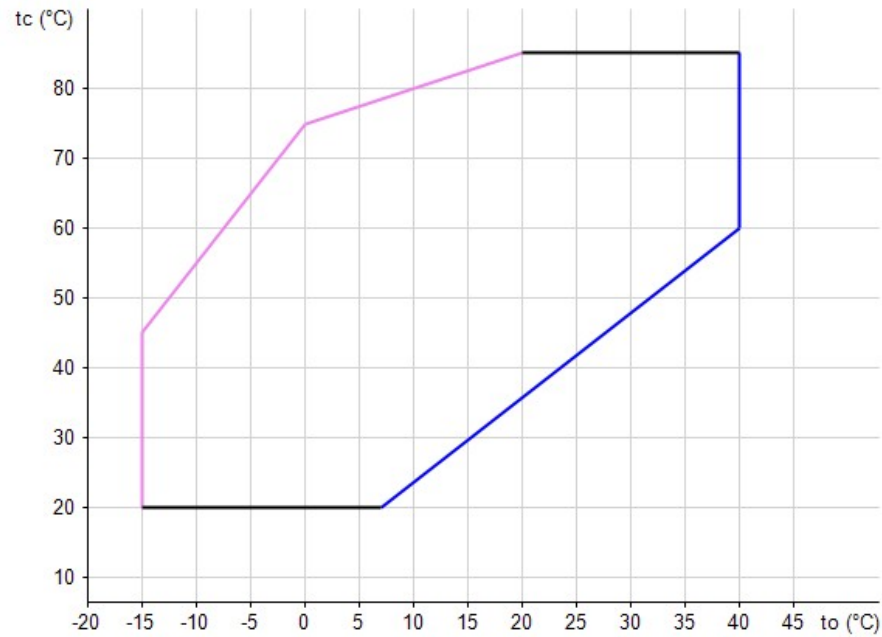




Minimum Evaporating Temp. With:

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	21.60	26.70	32.90	40.30	49.20	53.10								
25.0	20.30	25.30	31.20	38.40	46.80	50.60	56.70							
30.0	19.05	23.80	29.60	36.40	44.50	48.10	53.90	59.20	64.80					
35.0	17.85	22.40	27.90	34.40	42.10	45.50	51.10	56.10	61.50					
40.0	16.60	21.00	26.20	32.40	39.70	43.00	48.30	53.00	58.20	69.60				
45.0	15.35	19.55	24.50	30.40	37.30	40.40	45.40	49.90	54.80	65.50	77.90			
50.0		18.10	22.80	28.30	34.80	37.70	42.40	46.70	51.30	61.50	73.10	86.40		
55.0		16.55	21.00	26.20	32.30	35.00	39.40	43.40	47.70	57.30	68.30	80.80	95.00	
60.0			19.15	24.00	29.70	32.20	36.30	40.00	44.00	52.90	63.20	75.00	88.40	103.50
65.0			17.15	21.60	26.90	29.20	33.00	36.50	40.20	48.50	58.10	69.10	81.70	95.90
70.0				19.20	24.00	26.20	29.60	32.80	36.20	43.90	52.80	63.00	74.70	88.00
75.0				16.60	21.00	22.90	26.10	29.00	32.10	39.10	47.30	56.70	67.60	79.90
80.0							22.40	25.00	27.80	34.10	41.50	50.10	60.10	71.50
85.0										28.80	35.40	43.20	52.30	62.70

50 Hz

ZH101KCE-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	5.98	6.00	6.06	6.17	6.36	6.45								
25.0	6.73	6.76	6.81	6.90	7.04	7.12	7.26							
30.0	7.49	7.54	7.59	7.67	7.78	7.84	7.95	8.07	8.21					
35.0	8.29	8.37	8.42	8.49	8.58	8.63	8.72	8.81	8.91					
40.0	9.14	9.24	9.32	9.39	9.46	9.50	9.57	9.64	9.72	9.94				
45.0	10.05	10.20	10.30	10.35	10.45	10.45	10.55	10.60	10.65	10.80	11.05			
50.0		11.25	11.35	11.45	11.55	11.55	11.60	11.65	11.70	11.80	12.00	12.25		
55.0		12.35	12.55	12.65	12.75	12.80	12.80	12.85	12.90	12.95	13.10	13.25	13.55	
60.0			13.85	14.00	14.10	14.15	14.20	14.20	14.25	14.30	14.35	14.50	14.65	14.95
65.0			15.30	15.50	15.65	15.70	15.70	15.75	15.75	15.80	15.85	15.90	16.05	16.20
70.0				17.15	17.35	17.40	17.45	17.45	17.50	17.50	17.55	17.55	17.60	17.70
75.0				19.00	19.20	19.30	19.35	19.40	19.40	19.45	19.45	19.45	19.45	19.45
80.0							21.50	21.50	21.60	21.60	21.60	21.50	21.50	21.50
85.0										24.00	24.00	23.90	23.90	23.80

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	20.68	20.62	20.61	20.67	20.82	20.92								
25.0	21.16	21.12	21.11	21.15	21.26	21.33	21.47							
30.0	21.65	21.65	21.65	21.68	21.76	21.81	21.91	22.02	22.16					
35.0	22.19	22.23	22.25	22.28	22.34	22.37	22.45	22.54	22.64					
40.0	22.81	22.90	22.95	22.99	23.04	23.07	23.12	23.18	23.27	23.49				
45.0	23.53	23.68	23.78	23.84	23.89	23.91	23.95	24.00	24.06	24.22	24.48			
50.0		24.62	24.76	24.86	24.92	24.94	24.98	25.01	25.05	25.17	25.35	25.62		
55.0		25.73	25.94	26.08	26.16	26.19	26.22	26.25	26.28	26.36	26.48	26.67	26.96	
60.0			27.34	27.53	27.65	27.68	27.72	27.74	27.77	27.82	27.90	28.02	28.22	28.52
65.0			28.99	29.24	29.41	29.45	29.50	29.53	29.55	29.59	29.63	29.69	29.82	30.01
70.0				31.25	31.47	31.53	31.60	31.64	31.67	31.69	31.71	31.73	31.78	31.89
75.0				33.59	33.87	33.95	34.04	34.10	34.13	34.17	34.16	34.15	34.14	34.18
80.0							36.87	36.94	36.99	37.04	37.03	36.99	36.94	36.90
85.0										40.34	40.34	40.28	40.19	40.11

50 Hz

ZH101KCE-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	146.00	176.50	213.00	255.00	305.00	327.00								
25.0	144.00	175.00	211.00	254.00	303.00	325.00	360.00							
30.0	142.50	173.50	210.00	253.00	302.00	324.00	359.00	390.00	422.00					
35.0	140.50	172.50	209.00	252.00	301.00	323.00	357.00	388.00	421.00					
40.0	139.00	171.00	208.00	251.00	300.00	321.00	356.00	386.00	419.00	490.00				
45.0	137.00	170.00	207.00	250.00	299.00	320.00	354.00	384.00	417.00	487.00	566.00			
50.0		168.50	206.00	248.00	297.00	318.00	352.00	382.00	414.00	485.00	563.00	651.00		
55.0		166.00	204.00	247.00	295.00	316.00	350.00	380.00	412.00	481.00	559.00	647.00	743.00	
60.0			202.00	244.00	292.00	313.00	347.00	376.00	408.00	477.00	555.00	642.00	738.00	845.00
65.0			198.00	241.00	289.00	310.00	343.00	373.00	404.00	473.00	550.00	637.00	733.00	840.00
70.0				236.00	284.00	305.00	338.00	368.00	399.00	467.00	544.00	631.00	727.00	834.00
75.0				230.00	278.00	299.00	332.00	361.00	392.00	461.00	538.00	624.00	721.00	828.00
80.0							324.00	353.00	385.00	453.00	530.00	617.00	715.00	823.00
85.0										445.00	523.00	611.00	710.00	821.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	56.6
Length/Width, mm	432/376
Height, mm	717
Net Weight, kg	139
Gross Weight, kg	168
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	4.67
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	72
Sound Power (HT), dBA	83
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	21.1
Max. High Side Internal Free Volume, l	4.1
Max. Internal Free Volume, l	25.2
High Side PS gauge, bar	32
Low Side PS gauge, bar	20
Low Side TS Max., °C	52
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	43
Locked Rotor Current, A	225
Winding Resistance, ohm	0.61
Default Enclosure Class	IP 56

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermistor
Discharge Temperature Protection	PTC in Scroll Discharge Port
Enclosure Class	IP 56
Motor Protection Device	INT69SC2
Mounting Grommets	Standard
Mounting Grommets	Rubber Grommet For Single
Oil Charge	
Oil Service Valve	Schraeder Valve
Check Valve	Discharge Low Leak Check Valve

ACCESSORIES OPTIONAL

Crankcase Heater	82 W External
Mounting Grommets	Rubber Grommet For Parallel
Adapter Kit	Operation
	R1"3/4 - B1"3/8 For TPTL for
	Parallel Operation

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
TED	380-420 V / 3~ / 50 Hz	400		Y	1.00
TED	460 V / 3~ / 60 Hz	460		Y	1.04