



Minimum Evaporating Temp. With:

- 10 K Suction Superheat ASERCOM certified
- Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
25.0	26.20	32.50	39.90	48.50	58.40	69.70	74.70	82.60		
30.0	24.40	30.50	37.50	45.80	55.20	66.10	70.80	78.40	85.10	92.30
35.0	22.70	28.50	35.20	43.00	52.00	62.30	66.90	74.10	80.50	87.30
40.0	21.00	26.50	32.90	40.30	48.80	58.50	62.80	69.70	75.80	82.30
45.0		24.50	30.50	37.40	45.50	54.60	58.70	65.10	70.90	77.00
50.0			28.10	34.50	42.00	50.60	54.40	60.40	65.80	71.60
55.0				31.50	38.40	46.40	49.90	55.50	60.60	66.00
60.0					34.60	42.00	45.20	50.40	55.10	60.10
65.0					30.70	37.30	40.30	45.00	49.30	53.90

50 Hz

ZP235KCE-TWD

R410A Dew Point

Cond °C	Power, kW									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
25.0	9.25	9.36	9.47	9.61	9.77	9.95	10.05	10.15		
30.0	10.15	10.25	10.35	10.50	10.65	10.85	10.95	11.10	11.20	11.35
35.0	11.15	11.25	11.35	11.50	11.65	11.85	11.95	12.05	12.20	12.35
40.0	12.35	12.45	12.55	12.65	12.80	13.00	13.05	13.20	13.30	13.45
45.0		13.80	13.90	14.00	14.15	14.30	14.40	14.50	14.60	14.75
50.0			15.50	15.60	15.70	15.85	15.90	16.05	16.15	16.25
55.0				17.50	17.60	17.70	17.75	17.85	17.95	18.05
60.0					19.75	19.85	19.90	19.95	20.00	20.10
65.0					22.30	22.40	22.40	22.50	22.50	22.60

Cond °C	Current at 400 V, A									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
25.0	19.33	19.44	19.55	19.67	19.84	20.07	20.19	20.40		
30.0	20.42	20.58	20.71	20.83	20.97	21.16	21.25	21.42	21.58	21.78
35.0	21.66	21.86	22.02	22.14	22.27	22.42	22.50	22.62	22.75	22.90
40.0	23.07	23.34	23.53	23.67	23.79	23.91	23.97	24.06	24.16	24.27
45.0		25.05	25.28	25.45	25.57	25.67	25.72	25.78	25.85	25.92
50.0			27.34	27.54	27.67	27.76	27.79	27.83	27.87	27.92
55.0				29.97	30.12	30.21	30.23	30.26	30.28	30.30
60.0					32.99	33.09	33.10	33.12	33.12	33.12
65.0					36.32	36.43	36.45	36.45	36.44	36.42

Cond °C	Suction Mass Flow, g/s									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
25.0	143.00	175.00	212.00	255.00	304.00	360.00	384.00	422.00		
30.0	139.50	172.00	209.00	252.00	301.00	356.00	381.00	419.00	453.00	489.00
35.0	136.50	169.00	206.00	249.00	298.00	353.00	377.00	415.00	449.00	486.00
40.0	133.50	166.00	203.00	246.00	294.00	349.00	373.00	411.00	445.00	482.00
45.0		163.00	200.00	242.00	291.00	345.00	369.00	407.00	441.00	477.00
50.0			197.00	239.00	287.00	341.00	365.00	403.00	437.00	473.00
55.0				235.00	283.00	337.00	361.00	398.00	432.00	468.00
60.0					279.00	333.00	357.00	395.00	429.00	465.00
65.0					277.00	332.00	356.00	394.00	429.00	466.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m ³ /h	37.8
Length/Width, mm	427/376
Height, mm	717
Net Weight, kg	140
Stub Suction, inch	1 5/8
Stub Discharge, inch	1 3/8
Oil Quantity, l	4.67
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	266.7 x 266.7 (22.6)
Sound Pressure @ 1m (HT), dBA	71
Sound Power (HT), dBA	82
Sound Conditions (HT, Temperatures:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	2
Max. Internal Free Volume, l	26.9
High Side PS gauge, bar	45
Low Side PS gauge, bar	29.5
Low Side TS Max., °C	50
Low Side TS Min., °C	-35
Refrigerant's GWP	2088
Refrigerant's classification	A1

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

Maximum Operating Current, A	40
Locked Rotor Current, A	225
Winding Resistance, ohm	0.63
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	PTC in Scroll Discharge Port
Enclosure Class	IP 54
Discharge Temperature Protection	Internal Thermistor
Motor Protection Device	INT69SC2
Mounting Grommets	Standard
Oil Charge	
Mounting Grommets	Rubber Grommet For Single
Oil Service Valve	Schraeder Valve
Check Valve	Discharge Low Leak Check Valve

50 Hz

ZP235KCE-TWD

R410A Dew Point

ACCESSORIES OPTIONAL

Mounting Grommets
 Oil Control System
 Crankcase Heater
 Adapter Kit

Rubber Grommet For Parallel
 Operation
 ALCO Trax-Oil OM4
 83 W External
 R1"3/4 - B1"3/8 For TPTL for
 Parallel Operation

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