



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									
	-20.0	-15.0	-10.0	-5.0	0.0	5.0	7.0	10.0	12.5	15.0
25.0	42.40	52.50	64.30	78.00	93.90	112.00	120.00	132.50		
30.0	39.90	49.60	61.00	74.10	89.30	106.50	114.50	126.50	137.50	149.00
35.0	37.40	46.70	57.50	70.00	84.50	101.00	108.50	120.00	130.00	141.00
40.0	34.90	43.70	53.90	65.80	79.40	95.10	102.00	113.00	123.00	133.00
45.0		40.60	50.20	61.30	74.10	88.90	95.30	105.50	115.00	125.00
50.0			46.30	56.60	68.60	82.30	88.40	98.10	107.00	116.00
55.0				51.70	62.70	75.40	81.00	90.00	98.10	106.50
60.0					56.50	68.00	73.10	81.40	88.80	96.70
65.0					49.60	59.90	64.50	71.80	78.40	85.60

50 Hz

ZP385KCE-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	14.45	14.65	14.95	15.25	15.60	16.00	16.15	16.40		
30.0	16.20	16.35	16.50	16.75	17.05	17.40	17.55	17.80	18.00	18.20
35.0	18.20	18.20	18.30	18.50	18.75	19.05	19.20	19.40	19.60	19.80
40.0	20.40	20.30	20.30	20.40	20.60	20.90	21.00	21.30	21.50	21.70
45.0		22.70	22.70	22.70	22.80	23.10	23.20	23.40	23.60	23.80
50.0			25.30	25.30	25.40	25.60	25.70	25.90	26.10	26.30
55.0				28.30	28.30	28.40	28.50	28.70	28.90	29.10
60.0					31.60	31.70	31.80	32.00	32.10	32.30
65.0					35.40	35.50	35.50	35.70	35.80	36.00

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	29.50	29.77	30.07	30.41	30.80	31.26	31.45	31.77		
30.0	31.61	31.77	31.98	32.26	32.61	33.03	33.23	33.55	33.84	34.16
35.0	34.06	34.10	34.22	34.42	34.72	35.11	35.30	35.61	35.91	36.23
40.0	36.91	36.83	36.85	36.97	37.21	37.57	37.75	38.06	38.35	38.68
45.0		40.04	39.96	40.00	40.17	40.49	40.66	40.95	41.24	41.58
50.0			43.62	43.57	43.68	43.95	44.10	44.38	44.67	45.00
55.0				47.78	47.81	48.02	48.16	48.43	48.71	49.03
60.0					52.65	52.80	52.92	53.17	53.44	53.76
65.0					58.28	58.37	58.47	58.69	58.94	59.25

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	231.00	283.00	342.00	411.00	489.00	578.00	617.00	678.00		
30.0	228.00	280.00	340.00	408.00	487.00	575.00	614.00	676.00	731.00	789.00
35.0	225.00	277.00	337.00	405.00	483.00	572.00	611.00	672.00	727.00	785.00
40.0	222.00	274.00	333.00	401.00	479.00	567.00	606.00	667.00	722.00	780.00
45.0		270.00	329.00	397.00	474.00	562.00	600.00	661.00	716.00	773.00
50.0			325.00	392.00	468.00	555.00	593.00	654.00	708.00	766.00
55.0				386.00	461.00	548.00	585.00	646.00	700.00	757.00
60.0					455.00	540.00	577.00	637.00	691.00	748.00
65.0					448.00	532.00	569.00	629.00	682.00	739.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, m³/h	60.8
Length/Width, mm	447/427
Height, mm	724
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
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:	7 / 54 / 18 °C at 50 Hz
Evap./Cond./Suction at freq./speed)	
PED Category	2
Max. Internal Free Volume, l	31.6
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	65.4
Locked Rotor Current, A	310
Winding Resistance, ohm	0.36
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

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

50 Hz

ZP385KCE-TWD

R410A Dew Point

ACCESSORIES OPTIONAL

<p>Mounting Grommets Oil Control System Crankcase Heater Adapter Kit</p>	<p>Rubber Grommet For Parallel Operation ALCO Trax-Oil OM4 102 W External R1"3/4 - B1"3/8 For TPTL for Parallel Operation</p>
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MOTOR OPTIONS

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