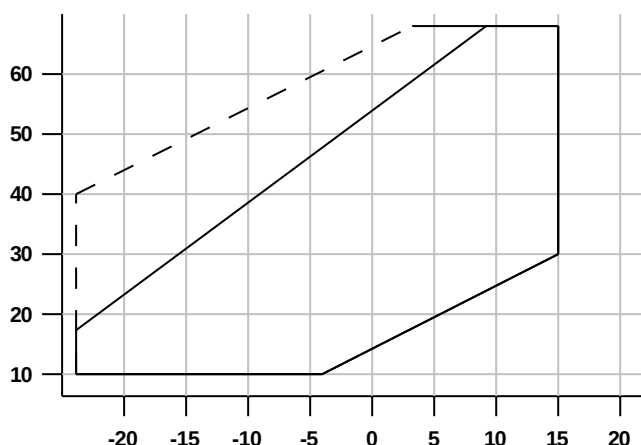


50Hz

ZR16M3E-TWD

R407C Dew Point



Minimum evaporating temp. with:

———— 25°C Suction Gas Return

- - - 10K Suction Superheat

Suction Superheat 10.0K

Evaporating Temperature °C

Liquid subcooling 0.0K

Cond °C	Capacity kW									
	-20	-15	-10	-5	0	5	7	10	12.5	15
10	18.00	22.20	27.30	33.20						
20	16.25	20.20	25.00	30.50	37.00	44.50				
30	14.50	18.20	22.60	27.70	33.70	40.60	43.70	48.60	53.00	57.80
40	12.65	16.05	20.00	24.70	30.20	36.50	39.30	43.90	47.90	52.30
50			17.35	21.50	26.50	32.20	34.70	38.90	42.50	46.50
55				19.90	24.50	30.00	32.40	36.30	39.80	43.50
60					22.60	27.70	29.90	33.60	36.90	40.50
65						25.30	27.40	30.90	34.00	37.30
68						23.90	25.90	29.20	32.20	35.40
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12.5	15
10	4.39	4.44	4.57	4.81						
20	5.29	5.30	5.33	5.41	5.60	5.92				
30	6.45	6.49	6.50	6.51	6.57	6.71	6.80	6.97	7.16	7.39
40	7.87	8.01	8.08	8.10	8.11	8.16	8.19	8.26	8.35	8.47
50			10.10	10.20	10.25	10.25	10.25	10.30	10.30	10.35
55				11.40	11.50	11.55	11.55	11.60	11.60	11.65
60					12.95	13.00	13.05	13.05	13.05	13.10
65						14.65	14.70	14.70	14.75	14.75
68						15.70	15.75	15.80	15.85	15.85
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12.5	15
10	10.58	10.64	10.72	10.86						
20	11.71	11.76	11.80	11.86	11.98	12.20				
30	13.07	13.14	13.18	13.21	13.27	13.38	13.45	13.59	13.74	13.93
40	14.82	14.97	15.04	15.08	15.11	15.18	15.22	15.30	15.40	15.53
50			17.57	17.66	17.71	17.77	17.79	17.85	17.91	18.00
55				19.28	19.35	19.41	19.44	19.49	19.55	19.62
60					21.25	21.33	21.36	21.41	21.46	21.53
65						23.54	23.58	23.63	23.69	23.75
68						25.01	25.06	25.12	25.18	25.24
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12.5	15
10	93.50	113.50	137.50	165.00						
20	91.50	112.00	136.00	164.00	196.00	232.00				
30	89.00	110.00	134.00	162.00	194.00	230.00	246.00	272.00	294.00	318.00
40	86.00	107.00	131.50	159.00	191.00	227.00	243.00	269.00	292.00	316.00
50			128.00	156.00	187.00	224.00	240.00	265.00	288.00	313.00
55				153.00	185.00	222.00	238.00	264.00	286.00	311.00
60					183.00	220.00	236.00	262.00	285.00	309.00
65						218.00	234.00	260.00	283.00	308.00
68						216.00	233.00	259.00	282.00	307.00

50Hz

ZR16M3E-TWD

R407C Dew Point

Copeland Scroll - Compressor - Air Conditioning - Previous Gen.

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	35.5
Length/Width, mm	319/357
Height, mm	532
Net Weight, kg	95
Gross Weight, kg	101
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
Oil Quantity, l	4.1
Base mounting (hole dia), mm	220 x 220 (8.5)
Sound Pressure @ 1m (HT), dBA	69
Sound Power (HT), dBA	80
Sound Power with Sound Shell (HT), dBA	70
PED Category	2
Internal Free Volume, l	20.2
High Side PS, bar(g)	32
Low Side PS, bar(g)	20
Low Side TS Max., °C	52
Low Side TS Min., °C	-35

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

Maximum Operating Current, A	27
Locked Rotor Current, A	167
Winding Resistance, ohm	0.83
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermistor
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10 dBA)

MOTOR OPTIONS

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
380-420 V/3~/50H	400	TWD		Y	1.00
200 V/3~/50Hz	200	TWC		Y	2.09
220-240 V/3~/50H	230	TWR		Y	1.73
380 V/3~/60Hz	380	TW7		Y	1.26
208-230 V/3~/60H	230	TWC		Y	2.09
575 V/3~/60Hz	575	TWE		Y	0.80
460 V/3~/60Hz	460	TWD		Y	1.00