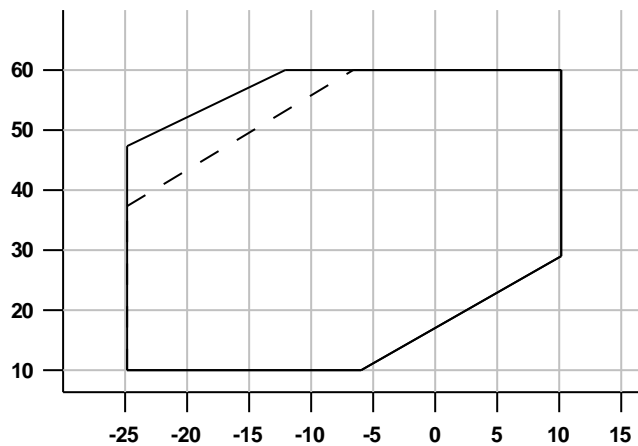


50Hz

ZB114KCE-TFD

R404A Dew Point



Minimum evaporating temp. with:

———— 10K Suction Superheat

- - - - 20°C Suction Gas Return

Suction Return Temperature 20.0°C

Evaporating Temperature °C

Liquid subcooling 0.0K

Cond °C	Capacity kW								
	-25	-20	-15	-10	-5	0	5	7	10
10	22.40	27.40	33.20	40.00					
20	20.10	25.00	30.50	36.90	44.20	52.40			
30	17.30	21.90	27.10	33.00	39.70	47.20	55.70	59.40	65.30
35	15.70	20.10	25.10	30.70	37.10	44.30	52.40	55.90	61.40
40		18.25	23.00	28.30	34.40	41.10	48.70	52.00	57.30
45			20.70	25.80	31.40	37.80	44.90	48.00	52.90
50				23.00	28.30	34.20	40.80	43.70	48.30
55				20.20	25.00	30.50	36.60	39.20	43.40
60					21.60	26.50	32.10	34.50	38.40
	Power Input kW								
	-25	-20	-15	-10	-5	0	5	7	10
10	5.78	5.95	6.10	6.22					
20	7.07	7.23	7.41	7.59	7.75	7.87			
30	8.84	8.91	9.03	9.18	9.35	9.52	9.68	9.73	9.80
35	10.00	9.98	10.05	10.15	10.30	10.45	10.60	10.70	10.75
40		11.25	11.25	11.30	11.40	11.50	11.65	11.70	11.80
45			12.65	12.60	12.65	12.70	12.80	12.85	12.95
50				14.15	14.10	14.10	14.15	14.20	14.25
55				16.00	15.80	15.70	15.70	15.70	15.70
60					17.80	17.60	17.45	17.40	17.40
	Current 400V, A								
	-25	-20	-15	-10	-5	0	5	7	10
10	16.92	17.10	17.24	17.37					
20	17.99	18.20	18.38	18.54	18.70	18.86			
30	19.72	19.92	20.09	20.25	20.40	20.56	20.74	20.82	20.94
35	20.93	21.11	21.26	21.40	21.53	21.67	21.83	21.90	22.02
40		22.58	22.70	22.81	22.91	23.02	23.15	23.21	23.31
45			24.45	24.51	24.57	24.64	24.73	24.78	24.86
50				26.55	26.56	26.58	26.62	26.64	26.69
55				28.97	28.92	28.87	28.85	28.85	28.86
60					31.68	31.56	31.46	31.43	31.40
	Mass Flow g/s								
	-25	-20	-15	-10	-5	0	5	7	10
10	126.00	155.00	189.00	229.00					
20	123.50	154.00	189.00	231.00	279.00	334.00			
30	117.00	149.00	186.00	228.00	277.00	333.00	399.00	428.00	476.00
35	112.50	145.00	182.00	225.00	274.00	331.00	398.00	427.00	475.00
40		139.50	177.00	220.00	270.00	328.00	395.00	424.00	473.00
45			171.00	215.00	265.00	323.00	390.00	420.00	469.00
50				207.00	258.00	316.00	385.00	415.00	465.00
55				198.00	249.00	309.00	378.00	409.00	460.00
60					240.00	300.00	371.00	404.00	456.00

Copeland Scroll - Compressor - Refrigeration - MT Standard

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	43.3
Length/Width, mm	264/285
Height, mm	552
Net Weight, kg	66.2
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	3.25
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (MT), dBA	71
Sound Power (MT), dBA	82
Sound Power with Sound Shell (MT), dBA	72
PED Category	2
Internal Free Volume, l	14
High Side PS, bar(g)	32
Low Side PS, bar(g)	22.6
Low Side TS Max., °C	50
Low Side TS Min., °C	-35

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

Maximum Operating Current, A	33.3
Locked Rotor Current, A	174
Winding Resistance, ohm	0.83
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermistor
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	90 W External
Enclosure Class	IP66 With Molded Plug
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10 dBA)
Rotalock valves	suction and discharge

MOTOR OPTIONS

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
380-420 V/3~/50H	400	TFD		Y	1.00
460 V/3~/60Hz	460	TFD		Y	1.04
575 V/3~/60Hz	575	TWE		Y	0.80
380 V/3~/60Hz	380	TW7		Y	1.26
200-230 V/3~/60H	230	TW5		Y	2.30