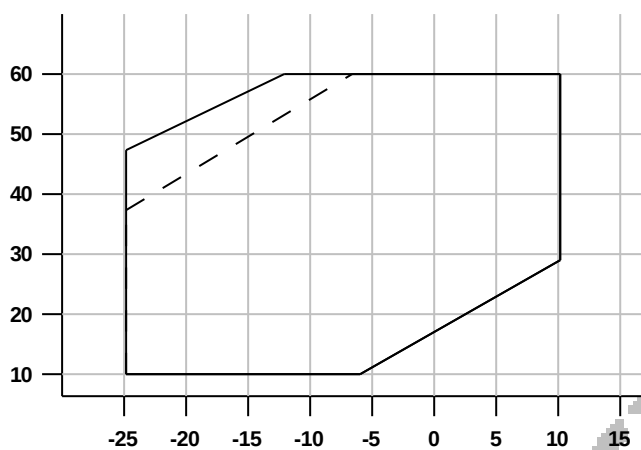


50Hz

ZBD114K5E-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	22,60	27,70	33,80	40,90					
20	20,40	25,20	30,80	37,30	44,70	53,20			
30	17,65	22,30	27,40	33,30	40,00	47,60	56,20	60,00	66,10
35	16,05	20,50	25,50	31,10	37,40	44,60	52,70	56,30	61,90
40		18,65	23,40	28,70	34,70	41,40	49,00	52,40	57,70
45			21,10	26,20	31,80	38,10	45,20	48,30	53,30
50				23,40	28,70	34,60	41,30	44,10	48,70
55				20,40	25,40	30,90	37,10	39,70	44,00
60					21,80	27,00	32,60	35,10	39,00
	Power Input kW								
	-25	-20	-15	-10	-5	0	5	7	10
10	5,79	5,94	6,10	6,25					
20	7,11	7,26	7,41	7,56	7,73	7,90			
30	8,86	8,96	9,08	9,20	9,33	9,48	9,64	9,70	9,81
35	9,96	10,00	10,10	10,20	10,30	10,40	10,55	10,60	10,70
40		11,25	11,30	11,35	11,40	11,50	11,60	11,65	11,70
45			12,65	12,65	12,70	12,75	12,80	12,85	12,90
50				14,20	14,15	14,15	14,15	14,15	14,20
55				15,95	15,85	15,75	15,75	15,70	15,70
60					17,75	17,60	17,50	17,45	17,40
	Current 400V, A								
	-25	-20	-15	-10	-5	0	5	7	10
10	16,99	17,16	17,31	17,44					
20	18,06	18,27	18,45	18,61	18,77	18,94			
30	19,79	19,99	20,17	20,32	20,48	20,64	20,82	20,90	21,03
35	21,01	21,19	21,34	21,48	21,62	21,76	21,92	21,99	22,11
40		22,67	22,79	22,90	23,00	23,11	23,24	23,30	23,40
45			24,54	24,61	24,67	24,74	24,83	24,87	24,95
50				26,66	26,66	26,68	26,72	26,75	26,79
55				29,08	29,03	28,98	28,96	28,96	28,97
60					31,80	31,68	31,59	31,56	31,52
	Mass Flow g/s								
	-25	-20	-15	-10	-5	0	5	7	10
10	127,50	157,00	193,00	235,00					
20	125,50	156,00	192,00	234,00	283,00	341,00			
30	120,00	152,00	189,00	231,00	280,00	337,00	404,00	434,00	483,00
35	115,00	148,50	186,00	228,00	278,00	335,00	402,00	432,00	481,00
40		143,00	181,00	225,00	274,00	332,00	399,00	429,00	478,00
45			175,00	219,00	269,00	328,00	395,00	426,00	475,00
50				212,00	263,00	322,00	391,00	422,00	472,00
55				202,00	255,00	315,00	385,00	417,00	469,00
60					244,00	307,00	380,00	413,00	466,00

50Hz

ZBD114K5E-TFD

R404A Dew Point

Copeland Scroll - Compressor - Refrigeration - Digital

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	43.3
Length/Width, mm	299/280
Height, mm	552
Net Weight, kg	68.9
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	3.37
Base mounting (hole dia), mm	190 x 190 (0.0)
Sound Pressure @ 1m (MT), dBA	71
Sound Power (MT), dBA	82
Sound Power with Sound Shell (MT), dBA	72
High Side PS, bar(g)	32
Low Side PS, bar(g)	22.6
Low Side TS Max., °C	50
Low Side TS Min., °C	-32

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

Maximum Operating Current, A	33.3
Locked Rotor Current, A	174
Winding Resistance, ohm	0.83/0.83/0 (T1-T2/T2-T3/T3-T1)
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Solenoid valve	Standard
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ACCESSORIES OPTIONAL

Crankcase Heater	90 W External
Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard
Mounting Grommets	Hard Mounts for Paralleling
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (10 dBA)
Valve Coil	220 V
Valve Coil	24 V AC
Digital Control Kit	EC2-552
Digital Control Kit	EC3-652
Digital Driver	EC3-D13

MOTOR OPTIONS

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
380-420 V/3~/50H	400	TFD		Y	1,00
200-220 V/3~/50H	200	TF5		Y	2,09
460 V/3~/60Hz	460	TFD		Y	1,04
200-230 V/3~/60H	230	TF5		Y	2,09