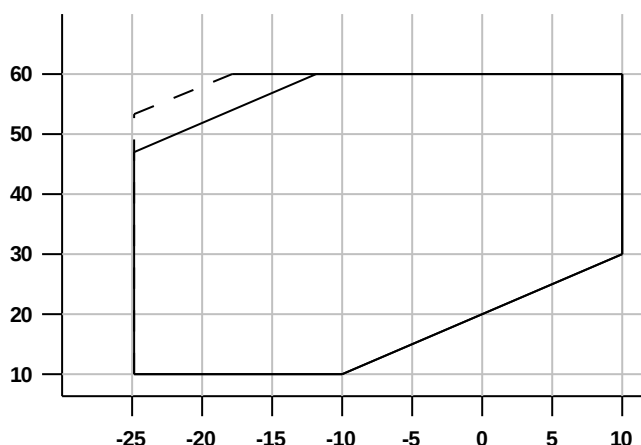


50Hz

ZB30KCE-TFD

R404A Dew Point



Minimum evaporating temp. with:

———— 25°C Suction Gas Return

- - - 10K Suction Superheat

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	5,95	7,33	8,96	10,85					
20	5,39	6,65	8,12	9,81	11,75	14,00			
30	4,76	5,88	7,19	8,70	10,45	12,45	14,65	15,65	17,20
35	4,42	5,47	6,69	8,11	9,75	11,60	13,75	14,65	16,10
40	4,07	5,04	6,18	7,50	9,03	10,75	12,75	13,60	15,00
45	3,70	4,59	5,64	6,87	8,28	9,91	11,75	12,55	13,85
50		4,13	5,09	6,21	7,51	9,01	10,75	11,50	12,70
55			4,52	5,54	6,72	8,10	9,68	10,35	11,50
60				4,84	5,91	7,16	8,60	9,23	10,25
	Power Input kW								
	-25	-20	-15	-10	-5	0	5	7	10
10	1,51	1,50	1,50	1,50					
20	1,89	1,89	1,88	1,87	1,86	1,86			
30	2,39	2,38	2,37	2,36	2,34	2,33	2,32	2,31	2,31
35	2,68	2,68	2,66	2,65	2,63	2,61	2,59	2,59	2,58
40	3,02	3,01	3,00	2,98	2,95	2,93	2,91	2,90	2,89
45	3,39	3,39	3,37	3,35	3,32	3,30	3,27	3,26	3,25
50		3,81	3,79	3,77	3,74	3,71	3,68	3,67	3,65
55			4,26	4,24	4,21	4,17	4,14	4,12	4,10
60				4,76	4,73	4,69	4,65	4,63	4,61
	Current 400V, A								
	-25	-20	-15	-10	-5	0	5	7	10
10	5,08	5,07	5,07	5,07					
20	5,49	5,49	5,49	5,49	5,49	5,49			
30	6,06	6,08	6,08	6,08	6,08	6,07	6,06	6,05	6,05
35	6,44	6,46	6,47	6,47	6,46	6,44	6,42	6,42	6,40
40	6,90	6,92	6,93	6,92	6,91	6,89	6,86	6,85	6,83
45	7,44	7,46	7,47	7,46	7,45	7,42	7,38	7,37	7,34
50		8,10	8,11	8,10	8,08	8,04	8,00	7,98	7,94
55			8,85	8,84	8,81	8,77	8,72	8,69	8,65
60				9,70	9,67	9,62	9,55	9,52	9,47
	Mass Flow g/s								
	-25	-20	-15	-10	-5	0	5	7	10
10	33,40	41,50	50,90	62,00					
20	33,00	41,00	50,30	61,30	74,20	89,00			
30	32,20	40,00	49,30	60,10	72,90	88,00	105,00	113,00	125,50
35	31,60	39,30	48,50	59,30	72,00	87,00	104,50	112,00	124,50
40	30,90	38,50	47,60	58,30	71,00	86,00	103,50	111,00	124,00
45	30,00	37,60	46,50	57,20	69,80	84,50	102,00	110,00	123,00
50		36,40	45,30	55,90	68,50	83,50	101,00	109,00	122,50
55			43,90	54,40	67,00	82,00	100,00	108,50	121,50
60				52,90	65,60	81,00	99,50	108,00	122,00

50Hz

ZB30KCE-TFD

R404A Dew Point

Copeland Scroll - Compressor - Refrigeration - MT Standard

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	11.7
Length/Width, mm	242/242
Height, mm	438
Net Weight, kg	35.4
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1
Oil Quantity, l	1.9
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (MT), dBA	59
Sound Power (MT), dBA	70
Sound Power with Sound Shell (MT), dBA	60
PED Category	1
Internal Free Volume, l	4.3
High Side PS, bar(g)	32
Low Side PS, bar(g)	21
Low Side TS Max., °C	50
Low Side TS Min., °C	-35

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

Maximum Operating Current, A	10.3
Locked Rotor Current, A	49.3
Winding Resistance, ohm	3.58
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
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~/50Hz	400	TFD		Y	1,00
460 V/3~/60Hz	460	TFD		Y	1,04