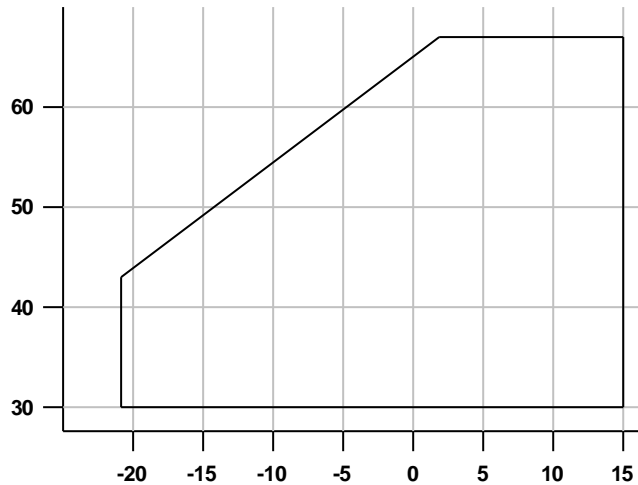


50Hz

ZR81KCE-TFD

R407C Dew Point



Minimum evaporating temp. with:
 ——— 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
30	6,84	8,97	11,35	14,10	17,25	20,90	22,60	25,20	27,60	30,20
35	6,31	8,41	10,75	13,40	16,50	20,10	21,60	24,20	26,50	29,00
40	5,75	7,80	10,05	12,65	15,60	19,05	20,60	23,00	25,30	27,70
45		7,15	9,33	11,80	14,65	17,95	19,40	21,80	23,90	26,20
50			8,55	10,90	13,60	16,70	18,10	20,40	22,40	24,60
55				9,96	12,50	15,45	16,75	18,90	20,80	22,90
60					11,35	14,10	15,35	17,30	19,15	21,10
65					10,20	12,70	13,85	15,70	17,40	19,25
67						12,15	13,25	15,05	16,70	18,45
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12,5	15
30	3,12	3,16	3,19	3,22	3,26	3,31	3,34	3,39	3,44	3,50
35	3,53	3,57	3,60	3,63	3,66	3,71	3,74	3,79	3,84	3,90
40	4,01	4,05	4,07	4,09	4,12	4,17	4,19	4,24	4,28	4,34
45		4,60	4,62	4,63	4,65	4,68	4,70	4,74	4,79	4,84
50			5,25	5,25	5,25	5,27	5,29	5,32	5,36	5,40
55				5,96	5,95	5,95	5,96	5,98	6,01	6,04
60					6,74	6,72	6,72	6,73	6,74	6,77
65					7,64	7,60	7,59	7,58	7,58	7,60
67						7,98	7,97	7,95	7,95	7,96
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12,5	15
30	7,91	8,05	8,08	8,05	8,00	8,00	8,02	8,09	8,19	8,33
35	8,08	8,26	8,32	8,31	8,29	8,32	8,35	8,43	8,55	8,70
40	8,43	8,63	8,70	8,71	8,71	8,75	8,79	8,88	9,00	9,16
45		9,19	9,27	9,28	9,28	9,32	9,36	9,45	9,57	9,73
50			10,04	10,04	10,03	10,05	10,09	10,18	10,29	10,44
55				11,01	10,98	10,98	11,00	11,08	11,17	11,32
60					12,15	12,12	12,13	12,18	12,26	12,38
65					13,58	13,50	13,49	13,50	13,56	13,65
67						14,12	14,10	14,10	14,15	14,23
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12,5	15
30	40,00	51,60	64,30	78,50	94,50	113,50	121,50	134,50	146,50	159,00
35	38,70	50,70	63,70	78,00	94,50	113,50	121,50	135,00	147,00	160,00
40	37,10	49,40	62,70	77,50	94,00	113,00	121,00	134,50	146,50	159,00
45		47,80	61,30	76,00	93,00	112,00	120,00	133,50	145,50	159,00
50			59,60	74,50	91,00	110,00	118,50	132,00	144,00	157,00
55				72,50	89,00	108,00	116,50	130,00	142,00	155,00
60					87,00	105,50	114,00	127,50	139,50	152,00
65					84,00	103,00	111,00	124,50	136,50	149,50
67						101,50	110,00	123,00	135,50	148,50

Copeland Scroll - Compressor - Air Conditioning - Standard

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	18.8
Length/Width, mm	242/242
Height, mm	443
Net Weight, kg	39
Gross Weight, kg	45
Rotalock Suction, inch	1 1/4
Rotalock Discharge, inch	1 1/4
Stub Suction, inch	7/8
Stub Discharge, inch	3/4
Oil Quantity, l	1.77
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	61
Sound Power (HT), dBA	72
PED Category	1
Internal Free Volume, l	4.2
High Side PS, bar(g)	29.5
Low Side PS, bar(g)	20
Low Side TS Max., °C	50

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

Maximum Operating Current, A	15
Locked Rotor Current, A	101
Winding Resistance, ohm	1.79
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Internal Thermodisk
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	70 W External
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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
200-230 V/3~/60H	230	TF5		Y	2,09
460 V/3~/60Hz	460	TFD		Y	1,04