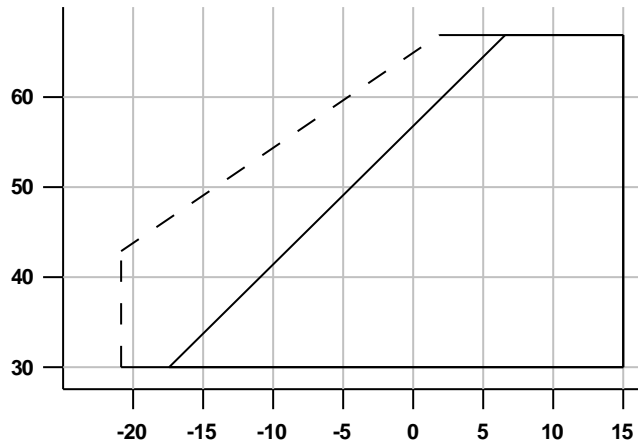


50Hz

ZR61KCE-TFD

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
30	4,87	6,38	8,18	10,30	12,80	15,65	16,90	18,95	20,80	22,80
35	4,53	6,00	7,73	9,78	12,15	14,95	16,15	18,15	19,90	21,80
40	4,17	5,58	7,25	9,21	11,50	14,15	15,35	17,25	18,95	20,80
45		5,15	6,73	8,60	10,80	13,35	14,45	16,25	17,90	19,65
50			6,20	7,96	10,05	12,45	13,50	15,20	16,75	18,45
55				7,30	9,23	11,50	12,50	14,15	15,60	17,15
60					8,41	10,50	11,45	13,00	14,35	15,85
65					7,58	9,52	10,40	11,80	13,10	14,45
67						9,11	9,96	11,30	12,55	13,90
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12,5	15
30	2,44	2,46	2,48	2,49	2,52	2,58	2,61	2,68	2,76	2,85
35	2,73	2,77	2,80	2,81	2,83	2,87	2,89	2,95	3,00	3,07
40	3,03	3,10	3,14	3,16	3,18	3,21	3,22	3,26	3,30	3,36
45		3,45	3,52	3,55	3,57	3,59	3,60	3,63	3,66	3,70
50			3,92	3,97	4,00	4,02	4,03	4,05	4,07	4,10
55				4,42	4,47	4,50	4,51	4,52	4,54	4,56
60					4,98	5,02	5,04	5,05	5,07	5,09
65					5,53	5,59	5,61	5,64	5,65	5,67
67						5,84	5,86	5,88	5,90	5,92
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12,5	15
30	6,12	6,15	6,19	6,23	6,28	6,33	6,35	6,39	6,43	6,46
35	6,38	6,41	6,44	6,48	6,53	6,58	6,60	6,64	6,67	6,71
40	6,71	6,74	6,77	6,81	6,85	6,91	6,93	6,96	6,99	7,03
45		7,15	7,18	7,21	7,26	7,30	7,33	7,36	7,39	7,42
50			7,66	7,69	7,73	7,78	7,80	7,83	7,86	7,89
55				8,24	8,28	8,32	8,34	8,38	8,40	8,43
60					8,90	8,95	8,97	9,00	9,02	9,05
65					9,60	9,64	9,66	9,69	9,72	9,74
67						9,94	9,96	9,99	10,01	10,04
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12,5	15
30	28,50	36,70	46,30	57,40	70,10	84,50	91,00	101,50	110,50	120,00
35	27,80	36,10	45,80	57,00	69,90	84,50	91,00	101,00	110,50	120,00
40	26,90	35,40	45,10	56,40	69,30	84,00	90,50	100,50	110,00	119,50
45		34,40	44,20	55,50	68,40	83,00	89,50	100,00	109,00	119,00
50			43,20	54,40	67,30	82,00	88,50	98,50	108,00	117,50
55				53,10	65,90	80,50	87,00	97,00	106,50	116,00
60					64,30	79,00	85,50	95,50	104,50	114,50
65					62,60	77,00	83,50	93,50	102,50	112,50
67						76,00	82,50	93,00	102,00	111,50

Copeland Scroll - Compressor - Air Conditioning - Previous Gen.

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	14.4
Length/Width, mm	241/247
Height, mm	438
Net Weight, kg	38.6
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.66
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	60
Sound Power (HT), dBA	71
PED Category	1
Internal Free Volume, l	4.4
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	11
Locked Rotor Current, A	65.5
Winding Resistance, ohm	2.75
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