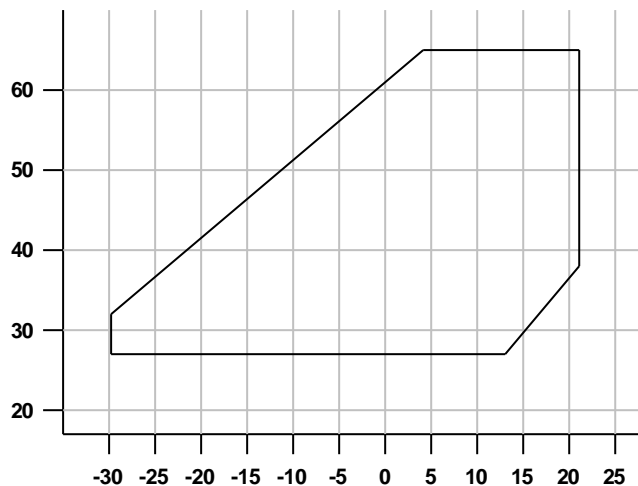


50Hz

ZRD94KCE-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												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
27	5,49	7,25	9,38	11,90	14,90	18,35	22,30	26,80	28,70	31,90	34,60		
30	5,18	6,91	9,02	11,55	14,50	17,90	21,90	26,30	28,30	31,40	34,10	37,10	
35		6,31	8,34	10,80	13,65	17,05	20,90	25,30	27,20	30,30	33,00	35,90	
40			7,63	9,96	12,75	16,00	19,75	24,10	25,90	28,90	31,60	34,40	40,60
45				9,11	11,75	14,80	18,45	22,60	24,40	27,30	29,90	32,70	38,70
50					10,70	13,60	17,05	21,00	22,70	25,50	28,00	30,70	36,50
55						12,40	15,60	19,30	21,00	23,60	26,00	28,50	34,10
60							14,15	17,60	19,15	21,60	23,90	26,30	31,50
65								15,95	17,35	19,65	21,70	23,90	28,90
	Power Input kW												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
27	3,58	3,64	3,68	3,72	3,75	3,80	3,87	3,98	4,04	4,14	4,25		
30	3,85	3,92	3,97	3,99	4,02	4,05	4,10	4,19	4,23	4,32	4,41	4,51	
35		4,41	4,47	4,50	4,51	4,53	4,55	4,60	4,63	4,69	4,75	4,83	
40			5,00	5,04	5,06	5,07	5,08	5,11	5,13	5,16	5,21	5,26	5,41
45				5,63	5,66	5,68	5,68	5,70	5,71	5,73	5,76	5,80	5,90
50					6,32	6,35	6,36	6,37	6,38	6,40	6,41	6,44	6,52
55						7,08	7,11	7,13	7,14	7,15	7,17	7,19	7,25
60							7,94	7,98	7,99	8,01	8,02	8,04	8,09
65								8,90	8,92	8,95	8,97	9,00	9,05
	Current 400V, A												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
27	8,24	8,31	8,36	8,41	8,47	8,54	8,65	8,80	8,87	9,01	9,13		
30	8,64	8,71	8,76	8,81	8,85	8,90	8,99	9,11	9,17	9,28	9,39	9,52	
35		9,41	9,47	9,50	9,53	9,57	9,62	9,70	9,75	9,83	9,91	10,01	
40			10,22	10,26	10,29	10,31	10,35	10,40	10,43	10,49	10,54	10,62	10,81
45				11,09	11,12	11,15	11,17	11,20	11,22	11,26	11,30	11,36	11,50
50					12,04	12,08	12,10	12,13	12,14	12,17	12,20	12,23	12,34
55						13,11	13,14	13,17	13,18	13,21	13,23	13,26	13,34
60							14,31	14,35	14,37	14,39	14,41	14,44	14,50
65								15,67	15,70	15,73	15,75	15,78	15,84
	Mass Flow g/s												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
27	32,40	42,00	53,40	66,70	82,00	99,50	119,50	141,50	151,00	166,00	179,00		
30	31,40	41,10	52,70	66,30	82,00	100,00	120,00	142,50	152,00	168,00	181,00	195,00	
35		39,40	51,20	65,00	81,00	99,50	120,00	143,00	153,00	169,00	183,00	198,00	
40			49,30	63,10	79,50	98,00	119,00	142,50	153,00	169,00	183,00	198,00	231,00
45				61,00	77,00	95,50	117,00	141,00	151,00	168,00	182,00	198,00	231,00
50					74,60	93,00	114,00	138,50	149,00	166,00	180,00	196,00	230,00
55						90,50	111,50	135,50	146,00	163,00	177,00	193,00	227,00
60							108,50	132,00	142,50	159,00	174,00	190,00	224,00
65								129,00	139,00	156,00	170,00	186,00	220,00

Copeland Scroll - Compressor - Air Conditioning - Digital

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	22.1
Length/Width, mm	293/285
Height, mm	476
Net Weight, kg	58
Gross Weight, kg	63
Stub Suction, inch	1 1/8
Stub Discharge, inch	7/8
Oil Quantity, l	2.51
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	64
Sound Power (HT), dBA	75
PED Category	2
Internal Free Volume, l	10.5
High Side PS, bar(g)	32
Low Side PS, bar(g)	22.6
Low Side TS Max., °C	52

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

Maximum Operating Current, A	15.9
Locked Rotor Current, A	95
Winding Resistance, ohm	1.79
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	ASTP Therm-O-Disc In Scroll
Enclosure Class	IP21
Mounting Grommets	Rubber Grommet For Single
Digital Control	Integrated Solenoid Valve
Check Valve (NRV)	Discharge Low Leak Check Valve

ACCESSORIES OPTIONAL

Crankcase Heater	90 W External
Mounting Grommets	Hard Mounts for Paralleling
Digital Control	Digital Valve Coil 24 V
Digital Control	Digital Valve Coil 230 V
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell (12 dBA)

MOTOR OPTIONS

<i>Power Supply</i>	<i>Nominal Voltage</i>	<i>Motor Code</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
380-420 V/3~/50H	400	TFD		Y	1,00