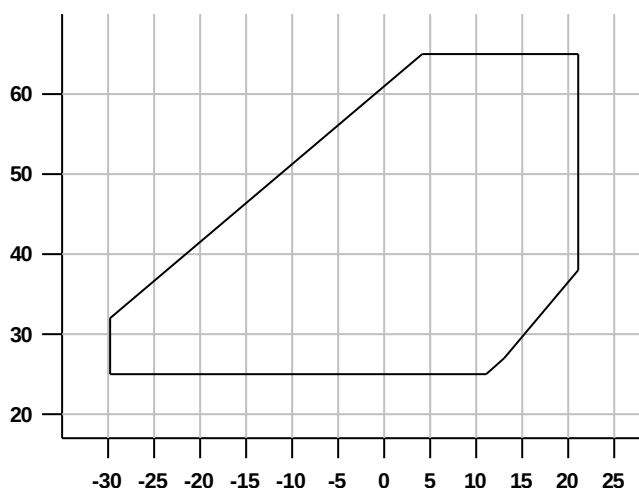


50Hz

ZR160KCE-TFD

R407C Dew Point



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
25	8,17	11,20	14,85	19,20	24,30	30,40	37,50	45,70	49,30	55,20			
30	7,07	10,05	13,60	17,80	22,80	28,70	35,50	43,50	47,00	52,70	57,80	63,20	
35		8,86	12,30	16,40	21,20	26,90	33,50	41,20	44,60	50,10	55,00	60,30	
40			10,95	14,85	19,50	24,90	31,30	38,70	42,00	47,30	52,00	57,10	68,30
45				13,30	17,70	22,90	29,00	36,10	39,30	44,40	48,90	53,80	64,60
50					15,90	20,80	26,70	33,40	36,50	41,30	45,70	50,30	60,70
55						18,70	24,20	30,60	33,50	38,10	42,30	46,70	56,60
60							21,70	27,70	30,40	34,80	38,80	43,00	52,40
65								24,70	27,30	31,40	35,10	39,10	48,00
	Power Input kW												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
25	5,46	5,54	5,61	5,68	5,76	5,84	5,94	6,07	6,13	6,23			
30	6,12	6,22	6,30	6,37	6,45	6,53	6,62	6,73	6,78	6,87	6,95	7,04	
35		6,98	7,07	7,15	7,22	7,29	7,37	7,46	7,50	7,58	7,65	7,72	
40			7,95	8,03	8,09	8,15	8,21	8,29	8,32	8,38	8,43	8,49	8,64
45				9,04	9,09	9,14	9,18	9,23	9,26	9,29	9,33	9,38	9,48
50					10,25	10,30	10,30	10,30	10,35	10,35	10,35	10,40	10,45
55						11,60	11,60	11,60	11,60	11,60	11,60	11,60	11,60
60							13,10	13,05	13,05	13,00	13,00	12,95	12,95
65								14,70	14,70	14,65	14,60	14,55	14,50
	Current 400V, A												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
25	13,54	13,56	13,58	13,61	13,66	13,74	13,86	14,04	14,13	14,28			
30	14,20	14,29	14,35	14,40	14,46	14,53	14,62	14,74	14,81	14,92	15,02	15,15	
35		15,06	15,17	15,26	15,33	15,40	15,47	15,55	15,59	15,66	15,73	15,81	
40			16,09	16,22	16,32	16,39	16,45	16,50	16,53	16,57	16,61	16,65	16,77
45				17,33	17,46	17,55	17,61	17,65	17,66	17,67	17,68	17,70	17,74
50					18,81	18,93	18,99	19,02	19,02	19,02	19,01	19,00	18,97
55						20,56	20,64	20,67	20,67	20,65	20,62	20,59	20,51
60							22,60	22,63	22,63	22,61	22,57	22,52	22,39
65								24,96	24,96	24,93	24,89	24,83	24,67
	Mass Flow g/s												
	-30	-25	-20	-15	-10	-5	0	5	7	10	12,5	15	20
25	47,30	63,80	83,00	105,50	132,00	162,00	197,00	237,00	255,00	283,00			
30	42,90	59,90	79,50	102,50	129,00	160,00	195,00	236,00	253,00	281,00	307,00	333,00	
35		55,30	75,50	98,50	125,50	157,00	192,00	233,00	251,00	279,00	305,00	331,00	
40			70,70	94,00	121,50	153,00	189,00	230,00	248,00	276,00	302,00	329,00	388,00
45				89,00	116,50	148,00	184,00	225,00	244,00	272,00	298,00	326,00	385,00
50					110,50	142,50	179,00	221,00	239,00	268,00	294,00	321,00	382,00
55						136,00	173,00	215,00	233,00	262,00	289,00	316,00	377,00
60							166,00	208,00	226,00	256,00	283,00	311,00	372,00
65								200,00	219,00	249,00	276,00	304,00	367,00

50Hz

ZR160KCE-TFD

R407C Dew Point

Copeland Scroll - Compressor - Air Conditioning - Standard

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	36.4
Length/Width, mm	264/285
Height, mm	552
Net Weight, kg	64.9
Stub Suction, inch	1 3/8
Stub Discharge, inch	7/8
Oil Quantity, l	3.38
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m (HT), dBA	67
Sound Power (HT), dBA	78
PED Category	2
Internal Free Volume, l	14
High Side PS, bar(g)	32
Low Side PS, bar(g)	20
Low Side TS Max., °C	52
Low Side TS Min., °C	-35

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

Maximum Operating Current, A	28
Locked Rotor Current, A	140
Winding Resistance, ohm	1.1
Default Enclosure Class	IP 21 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	ASTP Therm-O-Disc In Scroll
Enclosure Class	IP21
Oil Service Valve	Schraeder Valve
Check Valve (NRV)	Discharge Low Leak Check Valve

ACCESSORIES OPTIONAL

Crankcase Heater	90 W External
Enclosure Class	IP66 With Molded Plug
Mounting Grommets	Hard Mounts for Paralleling
Mounting Grommets	Rubber Grommet For Single
Adapter Kit	R1"1/4 -B 1"1/8 For TPTL for Parallel Operation
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