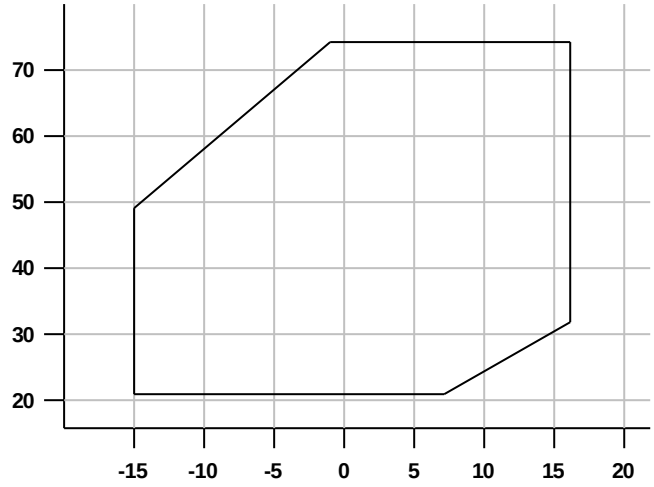
50Hz ZR190KCE-TFD R134a



Minimum evaporating temp. with:

10K Suction Superheat

Suction Superheat 10,0K

Evaporating Temperature °C

Liquid subcooling 0,0K

Cond °C	-15	-10	-5	0	5	7	10	12,5	15
				Capacity kW					
21	17,35	21,10	25,50	30,40	36,00	38,50			
30	15,50	19,25	23,40	28,10	33,50	35,80	39,50	42,90	
40	13,25	16,95	21,00	25,50	30,50	32,70	36,20	39,40	42,70
50		14,05	18,05	22,40	27,20	29,30	32,60	35,50	38,60
55		12,35	16,25	20,50	25,30	27,30	30,50	33,30	36,40
60			14,25	18,45	23,10	25,10	28,20	31,00	33,90
65			12,00	16,15	20,70	22,60	25,60	28,30	31,10
70				13,50	17,90	19,80	22,80	25,40	28,10
74				11,10	15,45	17,30	20,20	22,70	25,40
				Power Input kW					
	-15	-10	-5	0	5	7	10	12,5	15
21	4,35	4,46	4,57	4,68	4,79	4,84			
30	5,26	5,36	5,45	5,55	5,65	5,69	5,76	5,81	
40	6,53	6,60	6,68	6,76	6,84	6,87	6,93	6,97	7,01
50		8,20	8,25	8,31	8,36	8,39	8,42	8,46	8,49
55		9,17	9,20	9,24	9,28	9,30	9,33	9,35	9,38
60			10,25	10,30	10,30	10,35	10,35	10,35	10,40
65			11,50	11,50	11,50	11,50	11,50	11,50	11,50
70				12,80	12,80	12,80	12,80	12,80	12,80
74				14,05	14,00	14,00	13,95	13,95	13,95
				Current 400V, A					
	-15	-10	-5	0	5	7	10	12,5	15
21	12,85	12,96	13,09	13,25	13,45	13,55			
30	13,95	14,06	14,16	14,28	14,42	14,48	14,58	14,68	
40	15,56	15,70	15,81	15,91	16,00	16,04	16,10	16,16	16,22
50		17,91	18,06	18,17	18,25	18,28	18,32	18,35	18,38
55		19,26	19,44	19,57	19,66	19,69	19,72	19,74	19,76
60			21,02	21,18	21,28	21,31	21,34	21,36	21,38
65			22,81	23,00	23,12	23,16	23,20	23,22	23,23
70				25,05	25,21	25,25	25,30	25,33	25,34
74				26,92	27,11	27,17	27,23	27,26	27,28
				Mass Flow g/s					
	-15	-10	-5	0	5	7	10	12,5	15
21	103,00	123,00	145,50	170,00	198,00	211,00			
30	99,50	121,00	144,50	170,00	199,00	211,00	230,00	248,00	
40	94,00	117,50	142,50	169,00	199,00	211,00	231,00	249,00	267,00
50		109,50	136,50	166,00	197,00	210,00	230,00	249,00	267,00
55		102,00	131,00	161,00	194,00	207,00	228,00	247,00	266,00
60			123,00	155,00	189,00	203,00	225,00	244,00	264,00
65			111,50	145,50	181,00	196,00	219,00	238,00	259,00
70				132,00	170,00	186,00	210,00	230,00	252,00
74				117,00	157,00	174,00	199,00	221,00	243,00

Copeland Scroll - Compressor - Air Conditioning - Standard

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	43.3
Length/Width, mm	264/285
Height, mm	552
Net Weight, kg	66.2
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	71
Sound Power (HT), dBA	82
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	34
Locked Rotor Current, A	174
Winding Resistance, ohm	0.83
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

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	TW5		Y	2,30
460 V/3~/60Hz	460	TFD		Y	1,04
575 V/3~/60Hz	575	TWE		Y	0,80
380 V/3~/60Hz	380	TW7		Y	1,26
200-230 V/3~/60H	230	TW5		Y	2,30