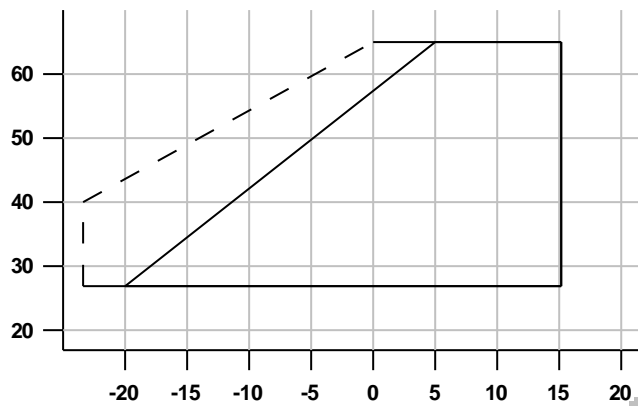


50Hz

ZRD61KCE-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
27	5.94	7.49	9.37	11.70	14.50	17.95	19.50	22.10	24.50	27.00
30	5.86	7.37	9.18	11.40	14.05	17.30	18.80	21.20	23.50	25.90
35	5.57	7.06	8.78	10.85	13.30	16.25	17.65	19.85	21.90	24.10
40	5.10	6.60	8.27	10.20	12.50	15.25	16.50	18.55	20.40	22.40
45		6.01	7.67	9.54	11.70	14.25	15.40	17.30	19.00	20.90
50			7.02	8.85	10.90	13.30	14.40	16.15	17.70	19.45
55				8.16	10.15	12.45	13.45	15.10	16.55	18.20
60					9.48	11.70	12.65	14.20	15.55	17.05
65					8.84	11.00	11.95	13.40	14.70	16.15
	Power Input kW									
	-20	-15	-10	-5	0	5	7	10	12.5	15
27	2.39	2.51	2.60	2.64	2.62	2.50	2.43	2.28	2.11	1.91
30	2.53	2.65	2.76	2.83	2.85	2.78	2.72	2.61	2.48	2.31
35	2.76	2.89	3.03	3.14	3.21	3.21	3.19	3.12	3.04	2.92
40	3.03	3.16	3.30	3.44	3.55	3.62	3.62	3.60	3.56	3.50
45		3.46	3.60	3.76	3.91	4.02	4.05	4.07	4.07	4.04
50			3.95	4.11	4.28	4.43	4.48	4.54	4.57	4.58
55				4.52	4.70	4.87	4.94	5.02	5.08	5.13
60					5.17	5.36	5.44	5.55	5.63	5.70
65					5.72	5.92	6.00	6.13	6.22	6.31
	Current 400V, A									
	-20	-15	-10	-5	0	5	7	10	12.5	15
27	5.08	5.18	5.27	5.32	5.31	5.20	5.13	4.98	4.81	4.61
30	5.26	5.38	5.49	5.57	5.60	5.55	5.50	5.38	5.25	5.09
35	5.56	5.69	5.84	5.98	6.07	6.09	6.08	6.02	5.95	5.83
40	5.88	6.03	6.21	6.38	6.53	6.62	6.64	6.64	6.61	6.55
45		6.41	6.61	6.81	7.01	7.16	7.21	7.25	7.27	7.25
50			7.07	7.29	7.53	7.74	7.81	7.89	7.95	7.98
55				7.86	8.12	8.37	8.46	8.59	8.68	8.75
60					8.81	9.09	9.21	9.36	9.48	9.59
65					9.62	9.93	10.06	10.24	10.39	10.52
	Mass Flow g/s									
	-20	-15	-10	-5	0	5	7	10	12.5	15
27	33.80	41.90	51.70	63.40	77.50	95.00	102.50	115.00	126.50	139.00
30	34.30	42.40	52.00	63.40	77.00	93.50	101.00	113.50	124.50	136.50
35	34.20	42.50	52.00	63.10	76.50	92.00	99.00	110.50	121.50	132.50
40	32.90	41.80	51.50	62.50	75.50	90.50	97.00	108.00	118.50	129.00
45		40.20	50.40	61.50	74.20	89.00	95.50	106.00	116.00	126.50
50			48.90	60.50	73.30	88.00	94.00	104.50	114.00	124.00
55				59.30	72.60	87.50	93.50	104.00	113.00	123.00
60					72.40	87.50	94.00	104.50	113.50	123.50
65					73.00	89.00	95.50	106.00	115.50	125.50

Preliminary Data

**Copeland Scroll - Compressor - Air Conditioning - Digital**
**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Displacement @ 50 Hz, cu.m/h	14.4
Length/Width, mm	241/246
Height, mm	481
Net Weight, kg	38.1
Gross Weight, kg	41
Stub Suction, inch	7/8
Stub Discharge, inch	1/2
Oil Quantity, l	1.9
Base mounting (hole dia), mm	190 x 190 (8.5)
Sound Pressure @ 1m, dBA	65
Sound Power, dBA	76
High Side PS, bar(g)	29.5
Low Side PS, bar(g)	20

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

Maximum Operating Current, A	9.6
Locked Rotor Current, A	64
Winding Resistance, ohm	2.8
Default Enclosure Class	IP 21 (IEC 34)

**ACCESSORIES INCLUDED**

Discharge Temperature Protection	External thermistor
Mounting Grommets	Standard

**ACCESSORIES OPTIONAL**

Crankcase Heater	70W External
Digital Control	24V AC
Valve Coil	220V
Valve Coil	24V AC

**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
500 V/3~/50Hz	500	TFE		Y	0.80
575 V/3~/60Hz	575	TFE		Y	0.80
380 V/3~/60Hz	380	TF7		Y	1.26
200-230 V/3~/60H	230	TF5		Y	2.09
460 V/3~/60Hz	460	TFD		Y	1.04