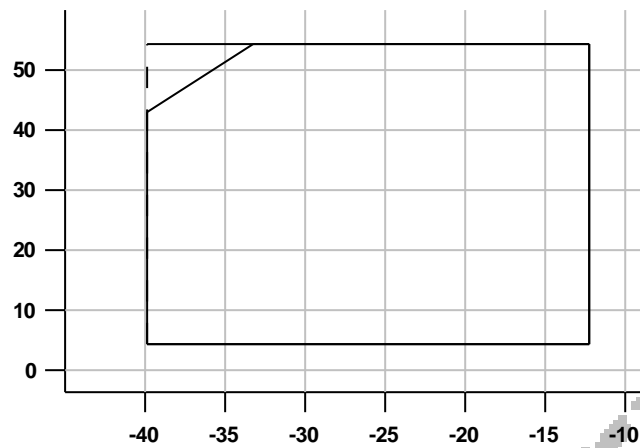


50Hz

ZF49K5E-TFD EVI

R404A Dew Point



Minimum evaporating temp. with:
 ——— 20°C Suction Gas Return
 - - - 0°C Suction Gas Return

Suction Return Temperature 20.0°C

Evaporating Temperature °C

Liquid subcooling included

Cond °C	Capacity kW					
	-40	-35	-30	-25	-20	-15
4						
10	12.80	15.70	19.05	23.00	27.60	32.80
20	12.45	15.30	18.60	22.40	26.70	31.70
30	12.05	14.75	17.90	21.50	25.70	30.50
35	11.75	14.45	17.50	21.10	25.10	29.70
40	11.50	14.10	17.10	20.50	24.50	28.90
45		13.70	16.60	19.95	23.80	28.10
50		13.30	16.10	19.30	23.00	27.20
54			15.65	18.75	22.30	26.30
	Power Input kW					
	-40	-35	-30	-25	-20	-15
4						
10	5.04	5.43	5.77	6.06	6.33	6.59
20	5.95	6.41	6.83	7.20	7.55	7.89
30	7.09	7.63	8.12	8.57	9.00	9.42
35	7.76	8.34	8.87	9.36	9.83	10.30
40	8.51	9.13	9.70	10.25	10.75	11.25
45		10.00	10.60	11.20	11.75	12.30
50		10.95	11.60	12.25	12.85	13.45
54			12.60	13.25	13.90	14.50
	Current 400V, A					
	-40	-35	-30	-25	-20	-15
4						
10	11.59	12.03	12.42	12.77	13.11	13.43
20	12.61	13.20	13.73	14.22	14.69	15.15
30	14.06	14.79	15.46	16.09	16.69	17.28
35	14.97	15.76	16.50	17.20	17.87	18.53
40	16.00	16.87	17.68	18.45	19.18	19.91
45		18.12	19.00	19.83	20.63	21.42
50		19.52	20.46	21.36	22.23	23.09
54			21.88	22.84	23.77	24.68
	Mass Flow g/s					
	-40	-35	-30	-25	-20	-15
4						
10	58.40	73.70	92.00	114.50	141.00	172.00
20	57.90	73.30	91.50	114.00	140.00	171.00
30	57.00	72.20	90.50	112.50	138.50	169.00
35	56.30	71.40	89.50	111.00	137.00	168.00
40	55.50	70.40	88.00	109.50	135.50	166.00
45		69.20	87.00	108.00	133.50	164.00
50		67.90	85.50	106.00	131.00	161.00
54			83.50	104.00	129.00	158.00

Preliminary Data

Copeland Scroll - Compressor - Refrigeration - LT Vapour injection

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Displacement @ 50 Hz, cu.m/h	42.4
Length/Width, mm	280/280
Height, mm	552
Net Weight, kg	66.2
Rotalock Suction, inch	1 3/4
Rotalock Discharge, inch	1 1/4
Oil Quantity, l	3.37
Base mounting (hole dia), mm	190 x 190 (0.0)
Sound Pressure @ 1m (LT), dBA	72
Sound Power (LT), dBA	83
Sound Power with Sound Shell (LT), dBA	73
High Side PS, bar(g)	32
Low Side PS, bar(g)	22.6

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

Maximum Operating Current, A	30
Locked Rotor Current, A	139
Winding Resistance, ohm	1.09/1.09/0 (T1-T2/T2-T3/T3-T1)
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Discharge Temperature Protection	Discharge line thermostat
Mounting Grommets	Standard

ACCESSORIES OPTIONAL

Crankcase Heater	66W External
Liquid Injection	DTC Valve
Oil Control System	ALCO Trax-Oil OM3
Sound Attenuation	Sound Shell
Rotalock valves	suction and discharge

MOTOR OPTIONS

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
380-420 V/3~/50H	400	TFD		Y	1.00
380-420 V/3~/50H	400	TWD		Y	1.00
200 V/3~/50Hz	200	TWC		Y	2.09
220-240 V/3~/50H	230	TWR		Y	1.73
380 V/3~/60Hz	380	TW7		Y	1.26
208-230 V/3~/60H	230	TWC		Y	2.09
575 V/3~/60Hz	575	TWE		Y	0.80
460 V/3~/60Hz	460	TWD		Y	1.04