



Minimum Evaporating Temp. With:

— 25 °C Suction Gas Return

— Maximum Evaporating Temperature

Suction Return Temperature 20.0°C

Evaporating Temperature, °C

Liquid Subcooling 0.0K

Cond °C	Cooling Capacity, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	10.55	13.55	17.15	21.60	26.80	33.10	40.40
30.0	10.35	13.30	16.90	21.30	26.50	32.70	39.90
35.0	10.05	13.00	16.60	20.90	26.10	32.20	39.40
40.0	9.74	12.65	16.25	20.50	25.60	31.70	38.90
45.0	9.36	12.25	15.80	20.00	25.10	31.10	38.20
50.0		11.80	15.30	19.50	24.50	30.50	37.50
55.0		11.25	14.70	18.85	23.80	29.70	36.70

50Hz

6TJ-2500 SUB

R22

Cond °C	Power, kW						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	8.41	9.48	10.65	11.85	13.10	14.40	15.70
30.0	8.86	10.00	11.25	12.60	14.00	15.40	16.90
35.0	9.31	10.55	11.90	13.35	14.90	16.50	18.10
40.0	9.73	11.10	12.55	14.15	15.85	17.60	19.35
45.0	10.15	11.60	13.20	14.95	16.80	18.70	20.70
50.0		12.10	13.85	15.75	17.75	19.85	22.00
55.0		12.55	14.45	16.50	18.70	21.00	23.40

Cond °C	Current at 400 V, A						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	18.14	19.39	20.79	22.31	23.93	25.61	27.33
30.0	18.66	20.03	21.57	23.25	25.05	26.94	28.89
35.0	19.19	20.69	22.38	24.24	26.24	28.35	30.55
40.0	19.69	21.34	23.21	25.26	27.48	29.83	32.28
45.0	20.17	21.98	24.04	26.30	28.75	31.36	34.09
50.0		22.60	24.86	27.35	30.05	32.93	35.96
55.0		23.19	25.67	28.40	31.37	34.53	37.87

Cond °C	Mass Flow, g/s						
	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
25.0	43.30	56.60	73.60	94.80	121.50	154.50	195.50
30.0	42.50	55.90	72.80	94.00	120.50	153.50	194.50
35.0	41.60	54.90	71.80	93.00	119.50	152.50	193.00
40.0	40.50	53.80	70.60	91.70	118.00	151.00	192.00
45.0	39.10	52.40	69.10	90.10	116.50	149.00	190.00
50.0		50.60	67.20	88.10	114.50	147.00	187.50
55.0		48.40	64.90	85.70	112.00	144.50	185.00

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	84.7
Bore/Stroke, mm	74.6/55.6
Length/Width, mm	755/585
Height, mm	630
Net Weight, kg	247
Gross Weight, kg	277
Suction, inch	1 5/8
Discharge, inch	1 3/8
Oil Quantity, l	6.8
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF, POE MOBIL EAL Arctic 22 CC
Base mounting (hole dia), mm	381 x 305 (18.0)
High Side PS, bar(g)	32.5
Low Side PS, bar(g)	22.5
Refrigerant's GWP	1810
Refrigerant's classification	A1

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

Maximum Operating Current, A	42.1
Locked Rotor Current, A	197
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Oil Pressure Switch	OPS2 Sensor
Mounting Springs	4
Liquid Subcooler	Plate Heat Exchanger
Deep Oil Sump	Mounted

ACCESSORIES OPTIONAL

Crankcase Heater	70 W Internal
Crankcase Heater	100 W Internal
Crankcase Heater	200 W Internal
Enclosure Class	IP 56
Oil Pressure Switch	OPS2 Electronic Switch
Adapter Kit	For Parallel Operation
Oil Control System	ALCO Trax-Oil OM3

MOTOR OPTIONS

<i>Motor Code</i>	<i>Power Supply</i>	<i>Nominal Voltage, V</i>	<i>Start Connection</i>	<i>DOL Connection</i>	<i>Amps Factor</i>
AWM	380-420 V / 3~ / 50 Hz	400	YYY	Y	1.00
EWL	220-240 V / 3~ / 50 Hz	230	Y/DELTA	DELTA	1.73
EWL	380-420 V / 3~ / 50 Hz	400		Y	1.00
EWM	380-420 V / 3~ / 50 Hz	400	Y/DELTA	DELTA	1.00
EWY	500-550 V / 3~ / 50 Hz	525	Y/DELTA	DELTA	0.76
AWR	220-240 V / 3~ / 50 Hz	230	YYY	Y	1.73
AWY	500-550 V / 3~ / 50 Hz	525	YYY	Y	0.76
TWY	500-550 V / 3~ / 50 Hz	525		DELTA	0.76
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
EWD	440-480 V / 3~ / 60 Hz	460	Y/DELTA	DELTA	1.00
AWC	208-230 V / 3~ / 60 Hz	230	YYY	Y	2.19
AWD	440-480 V / 3~ / 60 Hz	460	YYY	Y	1.00