



Minimum Evaporating Temp. With:

- █ 25 °C Suction Gas Return
- █ Maximum Evaporating Temperature

Suction Superheat 10.0K

Liquid Subcooling 0.0K

Evaporating Temperature, °C

Cond °C	Cooling Capacity, kW								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	10.70	13.80	17.45	21.60	26.40	31.90	38.20	45.30	53.20
35.0	10.10	13.20	16.80	20.90	25.70	31.10	37.20	44.20	52.00
40.0	9.60	12.70	16.20	20.30	24.90	30.20	36.20	43.00	50.70
45.0	9.18	12.20	15.65	19.65	24.20	29.30	35.20	41.90	49.40
50.0	8.88	11.85	15.20	19.05	23.50	28.50	34.20	40.70	48.00
55.0	8.75	11.60	14.85	18.60	22.90	27.70	33.30	39.60	

50 Hz

6TK-300X SUB

R404A Dew Point

Cond °C	Power, kW								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	11.00	12.60	14.20	15.75	17.40	19.10	21.00	23.10	25.50
35.0	11.65	13.40	15.05	16.75	18.50	20.30	22.30	24.60	27.10
40.0	12.35	14.20	15.95	17.75	19.60	21.60	23.70	26.10	28.70
45.0	13.00	14.95	16.85	18.80	20.80	22.90	25.10	27.70	30.50
50.0	13.70	15.80	17.80	19.85	21.90	24.20	26.60	29.30	32.20
55.0	14.40	16.60	18.75	20.90	23.20	25.60	28.10	31.00	

Cond °C	Current at 400 V, A								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	26.91	28.88	30.91	32.98	35.06	37.11	39.11	41.02	42.80
35.0	27.77	29.99	32.24	34.51	36.77	38.99	41.14	43.19	45.11
40.0	28.60	31.10	33.60	36.08	38.53	40.93	43.25	45.46	47.53
45.0	29.44	32.24	34.99	37.70	40.37	42.97	45.47	47.85	50.08
50.0	30.32	33.42	36.44	39.40	42.29	45.10	47.80	50.37	52.76
55.0	31.31	34.70	37.99	41.20	44.33	47.36	50.26	53.02	

Cond °C	Suction Mass Flow, g/s								
	60.0-	55.0-	50.0-	45.0-	40.0-	35.0-	30.0-	25.0-	20.0-
30.0	59.60	78.80	102.00	129.50	162.00	200.00	245.00	297.00	357.00
35.0	57.20	76.60	99.70	127.50	160.00	198.00	243.00	295.00	355.00
40.0	55.00	74.40	97.50	125.00	157.50	195.50	240.00	292.00	352.00
45.0	53.10	72.40	95.40	122.50	155.00	193.00	237.00	289.00	348.00
50.0	51.90	71.00	93.80	120.50	152.50	190.00	234.00	285.00	345.00
55.0	51.70	70.50	92.90	119.50	151.00	188.00	232.00	283.00	

COMPRESSOR MECHANICAL AND PHYSICAL DATA

Number of cylinders	6
Displacement @ 50 Hz, m ³ /h	101
Bore/Stroke, mm	80.6/57.0
Length/Width, mm	962/612
Height, mm	619
Net Weight, kg	268
Gross Weight, kg	300
Rotalock Suction, inch	1 5/8
Rotalock Discharge, inch	1 3/8
Oil Quantity, l	6.8
Oil type (original charge)	POE RL32-3MAF
Oil type (approved oils)	POE RL32-3MAF
Base mounting (hole dia), mm	381 x 305 (25.5)
High Side PS gauge, bar	32.5
Low Side PS gauge, bar	22.5
Refrigerant's GWP	3922
Refrigerant's classification	A1

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

Maximum Operating Current, A	54.5
Locked Rotor Current, A	304
Default Enclosure Class	IP 54 (IEC 34)

ACCESSORIES INCLUDED

Mounting Springs	4
Deep Oil Sump	Mounted

ACCESSORIES OPTIONAL

Crankcase Heater	100 W Internal
Crankcase Heater	200 W Internal

MOTOR OPTIONS

Motor Code	Power Supply	Nominal Voltage, V	Start Connection	DOL Connection	Amps Factor
AWM	380-420 V / 3~ / 50 Hz	400	YY/Y	Y	1.00
EWK	220-240 V / 3~ / 60 Hz	230	Y/DELTA	DELTA	2.10
EWK	380-420 V / 3~ / 60 Hz	380		Y	1.20
AWD	440-480 V / 3~ / 60 Hz	460	YY/Y	Y	1.00