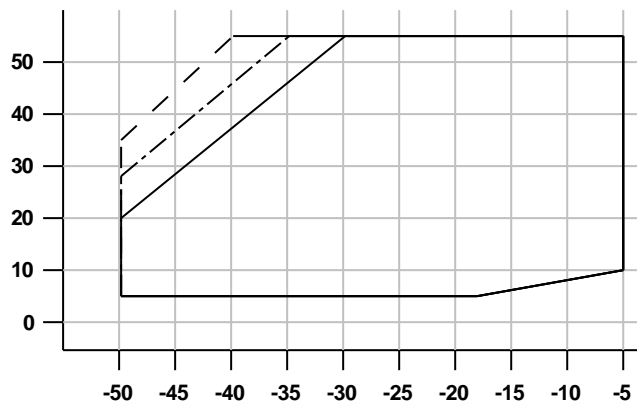


**50Hz**

**4MT-22X**

**R404A Dew Point**



Minimum evaporating temp. with:  
 ——— 25°C Suction Gas Return  
 - - - 20K Suction Superheat  
 - · - · 0°C Suction Gas Return

Suction Return Temperature 20.0°C

**Evaporating Temperature °C**

Liquid subcooling 0.0K

Cond °C	Capacity kW									
	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5
5	12.55	16.50	21.50	27.70	35.00	43.80	54.10			
10	11.70	15.60	20.40	26.30	33.40	41.80	51.60	63.00	76.00	90.80
20	9.97	13.60	18.05	23.40	29.80	37.40	46.30	56.60	68.50	82.00
30			15.45	20.30	26.00	32.70	40.70	49.90	60.50	72.60
35			14.10	18.65	24.00	30.30	37.70	46.30	56.30	67.70
40				16.95	21.90	27.80	34.70	42.70	52.00	62.70
45				15.20	19.80	25.20	31.60	39.00	47.60	57.60
50					17.65	22.60	28.40	35.20	43.20	52.40
55					15.45	19.90	25.20	31.40	38.70	47.10
	Power Input kW									
	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5
5	5.95	6.83	7.68	8.46	9.13	9.63	9.93			
10	6.13	7.12	8.09	9.01	9.83	10.50	11.00	11.30	11.30	11.00
20	6.43	7.61	8.82	10.00	11.15	12.20	13.05	13.75	14.25	14.45
30			9.37	10.85	12.30	13.65	14.95	16.05	17.00	17.70
35			9.57	11.15	12.75	14.30	15.80	17.10	18.30	19.25
40				11.45	13.20	14.90	16.55	18.10	19.50	20.70
45				11.60	13.50	15.40	17.25	19.00	20.60	22.10
50					13.75	15.85	17.85	19.80	21.70	23.40
55					13.90	16.15	18.35	20.50	22.60	24.50
	Current 400V, A									
	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5
5	15.78	16.61	17.50	18.38	19.18	19.83	20.26			
10	15.93	16.88	17.91	18.96	19.95	20.82	21.51	21.93	22.03	21.74
20	16.22	17.42	18.75	20.16	21.57	22.91	24.12	25.13	25.87	26.27
30			19.47	21.26	23.12	24.96	26.73	28.35	29.76	30.88
35			19.73	21.72	23.81	25.91	27.97	29.91	31.66	33.16
40				22.09	24.41	26.79	29.14	31.40	33.51	35.39
45				22.34	24.91	27.56	30.21	32.80	35.27	37.54
50					25.27	28.20	31.16	34.10	36.93	39.59
55					25.47	28.69	31.97	35.25	38.46	41.52
	Mass Flow g/s									
	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5
5	66.90	88.50	115.00	148.50	189.00	237.00	294.00			
10	65.00	86.50	113.50	147.00	187.00	235.00	292.00	358.00	435.00	524.00
20	60.20	82.00	109.50	142.50	182.00	229.00	286.00	351.00	428.00	517.00
30			103.50	136.00	175.00	222.00	277.00	342.00	418.00	506.00
35			99.50	132.00	170.00	217.00	271.00	336.00	411.00	500.00
40				127.50	165.00	211.00	265.00	329.00	404.00	493.00
45				122.00	160.00	205.00	258.00	322.00	397.00	485.00
50					153.00	198.00	250.00	313.00	388.00	477.00
55					146.50	190.00	242.00	305.00	380.00	470.00

**50Hz**

**4MT-22X**

**R404A Dew Point**

**DWM Copeland - Compressor - Stream - Standard**

**COMPRESSOR MECHANICAL AND PHYSICAL DATA**

Number of cylinders	4
Displacement @ 50 Hz, cu.m/h	87.7
Bore/Stroke, mm	75.7/56.0
Length/Width, mm	657/501
Height, mm	452
Net Weight, kg	183
Suction, inch	2 1/8
Discharge, inch	1 3/8
Oil Quantity, l	3.3
Base mounting (hole dia), mm	381 x 305 (18.0)
Sound Pressure @ 1m (LT), dBA	73
Sound Pressure @ 1m (MT), dBA	71
Sound Power (LT), dBA	84
Sound Power (MT), dBA	82
Sound Power with Sound Shell (LT), dBA	72
Sound Power with Sound Shell (MT), dBA	70
High Side PS, bar(g)	28
Low Side PS, bar(g)	22.5

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

Maximum Operating Current, A	44.5
Locked Rotor Current, A	175
Default Enclosure Class	IP 54 (IEC 34)

**ACCESSORIES INCLUDED**

Mounting Parts	Spring
CoreSense Diagnostics	Oil pressure, motor and discharge line temperature protection; adv

**ACCESSORIES OPTIONAL**

Additional Cooling	70 W Vertical Air Flow Fan
Capacity Control	Capacity Steps 50 %
Crankcase Heater	100 W Internal
Adapter Kit	For Parallel Operation
Check Valve (NRV)	For unloaded start operation
Sound Attenuation	Sound Shell
Inverter	Control Techniques SK 4401
Mounting Parts	Rubber

**MOTOR OPTIONS**

Power Supply	Nominal Voltage	Motor Code	Start Connection	DOL Connection	Amps Factor
380-420 V/3~/50H	400	AWM	YY/Y	Y	1.00
220-240 V/3~/50H	230	EWL	Y/DELTA	DELTA	1.73
380-420 V/3~/50H	400	EWL		Y	1.00
380-420 V/3~/50H	400	EWM	Y/DELTA	DELTA	1.00
220-240 V/3~/50H	230	AWR	YY/Y	Y	1.73
500-550 V/3~/50H	525	AWY	YY/Y	Y	0.76
220-240 V/3~/60H	230	EWK	Y/DELTA	DELTA	2.09
380-420 V/3~/60H	380	EWK		Y	1.20
440-480 V/3~/60H	460	EWD	Y/DELTA	DELTA	1.00
208-230 V/3~/60H	230	AWC	YY/Y	Y	2.19
380 V/3~/60Hz	380	AWX	YY/Y	Y	1.20
440-480 V/3~/60H	460	AWD	YY/Y	Y	1.00