

# Commercial Unit Coolers



- Optimised 1/2" Copper Coils
- Light Weight Alu Case - 'Signal White' Powder Coat
- Factory Applied "Blue Coil Coat" Corrosion Protection.
- High Airflow External Rotor Motors
- Reversible Drain Trays
- Low Temp Heater Safety Klixon

## JC SERIES



9.3 63.0 kW

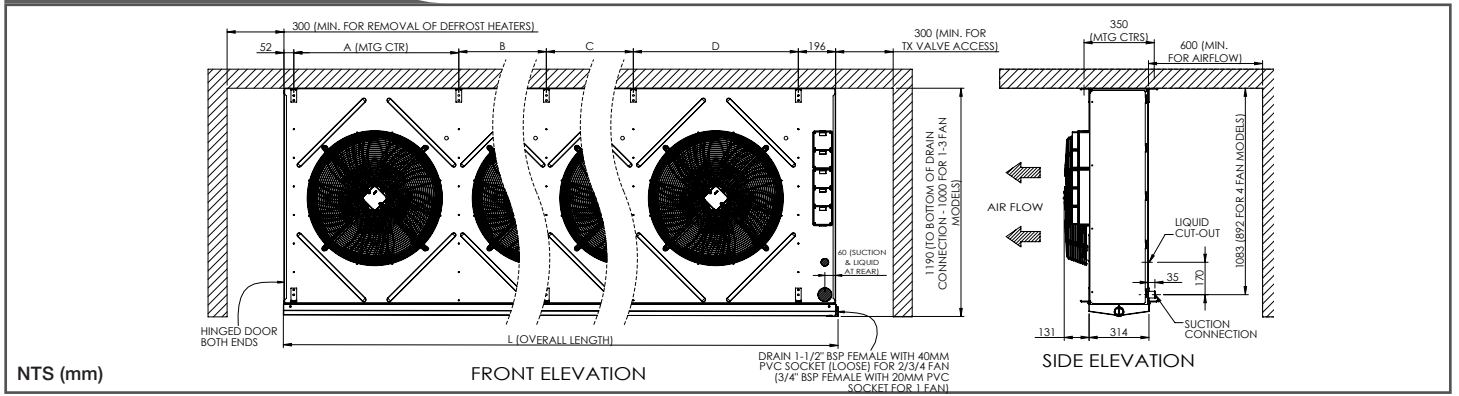
### MEDIUM TEMP

MODELS	JMC	140	155	230	275	305	340	410	450	545	605
Capacity	R134a	12.42	13.71	20.49	24.84	27.24	30.69	37.26	40.98	49.56	54.66
kW @ 6 KTD -4°C SST	R404A	13.65	15.09	22.53	27.30	29.94	33.75	40.95	45.03	54.45	60.09
	R449A	13.92	15.39	22.98	27.84	30.54	34.41	41.76	45.93	55.53	61.29
	R407F	14.31	15.84	23.64	28.65	31.38	35.25	42.99	47.28	57.15	63.06
T.X Valve TE5 / 12 / 20	R134a	TE5-2	TE5-2	TE5-2	TE5-4	TE5-4	TE12-5	TE12-6	TE12-6	TE12-7	TE12-7
	R404A	TE5-1	TE5-2	TE5-3	TE5-4	TE5-4	TE12-5	TE12-5	TE12-6	TE12-6	TE12-7
	<i>Danfoss</i> R449A	TE5-1	TE5-1	TE5-2	TE5-3	TE5-4	TE5-4	TE12-5	TE12-5	TE12-6	TE12-7
	R407F	TE5-1	TE5-1	TE5-2	TE5-3	TE5-3	TE5-4	TE5-4	TE12-5	TE12-5	TE12-6
T.X Valve TC/TJ/TE	R134a	250MW	250MW	550MW	550MW	750MW	750MW	900MW	11MW	13MW	13MW
	R404A	400SW	400SW	850SW	850SW	850SW	1000SW	12SW	14SW	18SW	18SW
	<i>EMERSON</i> R449A	300BW	300BW	800BW	800BW	800BW	1100BW	1100BW	1300BW	15BW	18BW
	R407F	300NW	400NW	550NW	750NW	750NW	750NW	1000NW	1000NW	1150NW	14NW

### LOW TEMP

MODELS	JLC	100	175	220	260	330	435
Capacity	R134a	9.27	14.52	18.60	21.75	27.84	37.11
kW @ 6 KTD -24°C SST	R404A	10.92	17.07	21.87	25.59	32.76	43.68
	R449A	10.80	16.89	21.60	25.32	32.43	43.23
	R407F	10.80	16.89	21.60	25.32	32.43	43.23
T.X Valve TE5 / 12 / 20	R134a	TE5-2	TE5-4	TE12-5	TE12-5	TE12-7	TE20-8
	R404A	TE5-2	TE5-4	TE12-5	TE12-5	TE12-6	TE20-8
	<i>Danfoss</i> R449A	TE5-1	TE5-3	TE5-4	TE5-4	TE12-6	TE12-7
	R407F	TE5-1	TE5-2	TE5-3	TE5-4	TE12-5	TE12-6
T.X Valve TC/TJ/TE	R134a	250MW	550MW	750MW	750MW	11MW	13MW
	R404A	600SW	850SW	1000SW	12SW	14SW	18SW
	<i>EMERSON</i> R449A	300BW	800BW	1100BW	1100BW	1300BW	18BW
	R407F	400NW	550NW	750NW	750NW	1000NW	14NW

**DIMENSIONS**



**MEDIUM TEMP**

MODELS	JMC	140	155	230	275	305	340	410	450	545	605
Air Throw	m	27.0	26.0	29.0	28.0	27.0	31.0	30.0	30.0	31.0	30.0
Air Volume	l/sec	3730	3447	7923	7460	6893	11884	11190	10339	14920	13786
Fan Motors	Ø 630mm	Num.	1	1	2	2	2	3	3	4	4
		Watts	1250	1250	2500	2500	2500	3750	3750	3750	5000
		Amps	2.5	2.5	5.0	5.0	5.0	7.5	7.5	7.5	10.0
Coil	Circuit Vol.	dm <sup>3</sup>	20.76	20.76	27.68	41.52	41.52	41.52	62.29	62.29	83.05
	Connection	Dist Inlet	1/2"	1/2"	5/8"	5/8"	5/8"	5/8"	5/8"	5/8"	7/8"
	F.Sw	Suct Outlet	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-3/8"	1-5/8"	1-5/8"	1-5/8"	2-1/8"
		fpi	5	7	5	5	7	5	5	7	5
Dimensions	Defrost	Watts	4120	4120	6450	6450	6450	9490	9490	9490	10420
	L		1306	1306	2326	2326	2326	3346	3346	3346	3686
	A		1052	1052	1036	1036	1036	1036	1036	1036	866
	B		-	-	1036	1036	1036	1020	1020	1020	850
	C		-	-	-	-	-	1036	1036	1036	850
Net Weight	D		-	-	-	-	-	-	-	866	866
	kg		96	112	128	171	207	189	251	299	348

**LOW TEMP**

MODELS	JLC	100	175	220	260	330	435	
Air Throw	m	26.0	28.0	27.0	30.0	31.0	32.0	
Air Volume	l/sec	3730	7923	7460	11884	11190	14920	
Fan Motors	Ø 630mm	Num.	1	2	2	3	4	
		Watts	1250	2500	2500	3750	3750	5000
		Amps	2.5	5.0	5.0	7.5	7.5	10.0
Coil	Circuit Vol.	dm <sup>3</sup>	20.76	27.68	41.52	41.52	62.29	
	Connection	Dist Inlet	1/2"	5/8"	5/8"	5/8"	7/8"	
	F.Sw	Suct Outlet	1-3/8"	1-3/8"	1-3/8"	1-5/8"	2-1/8"	
		fpi	5	5	5	5	5	
Dimensions	Defrost	Watts	7180	12900	12900	18980	20840	
	L		1306	2326	2326	3346	3686	
	A		1052	1036	1036	1036	866	
	B		-	1036	1036	1020	850	
	C		-	-	-	1036	850	
Net Weight	D		-	-	-	-	866	
	kg		102	136	179	199	261	

**CAPACITY CORRECTION**

JMC @ °C SST		JLC @ °C SST	
5°	1.17	-20°	1.07
0°	1.07	-25°	0.99
-5°	0.99	-30°	0.89
-10°	0.93	-35°	0.80

**RELATIVE HUMIDITY GUIDE**

Temp Diff	R.H %	Temp Diff	R.H %
2K	94	10K	77
4K	89	12K	73
6K	84	14K	70
8K	81	16K	66

**NOTES:**

- Air throw based on CRMA standard @ 20°C  
Multiply figures by 0.94 for 2°C and 0.87 for -18°C
- Fan motors 380-420V/3/50Hz
- Defrost heaters 220-240V/1/50Hz.  
Connect in Y for 380-420/3/50 supply

Specifications subject to change without notice