

Industrial Unit Coolers



- Optimised 1/2" Copper Coils
- Light Weight Alu Case - 'Signal White' Powder Coat
- High Airflow External Rotor Motors
- Turbo Heat Exchangers
- Water Defrost - Fully Serviceable

JWC SERIES

10 60 kW

MEDIUM TEMP

MODELS	JMWC	140	155	230	275	305	340	410	450	545	605
Capacity	R404A	13.65	15.09	22.53	27.30	29.94	33.75	40.95	45.03	54.45	60.09
kW @ 6 KTD	R407F	14.31	15.84	23.64	28.65	31.38	35.25	42.99	47.28	57.15	63.06
-4°C SST	R22	13.41	14.70	22.11	26.97	29.37	33.12	41.16	44.19	53.46	58.95
	R134a	12.42	13.71	20.49	24.84	27.24	30.69	37.26	40.98	49.56	54.66
T.X Valve	R404A	TE5-1	TE5-2	TE5-3	TE5-4	TE5-4	TE12-5	TE12-5	TE12-6	TE12-6	TE12-7
TE5 / 12 / 20	R407F	TE5-1	TE5-1	TE5-2	TE5-3	TE5-3	TE5-4	TE5-4	TE12-5	TE12-5	TE12-6
<i>Danfoss</i>	R22	TE5-1	TE5-1	TE5-2	TE5-3	TE5-3	TE5-4	TE5-4	TE12-5	TE12-5	TE12-6
	R134a	TE5-2	TE5-2	TE5-4	TE5-4	TE5-4	TE12-5	TE12-6	TE12-6	TE12-7	TE12-7

LOW TEMP

MODELS	JLWC	100	175	220	260	330	435
Capacity	R404A	10.92	17.07	21.87	25.59	32.76	43.68
kW @ 6 KTD	R407F	10.80	16.89	21.60	25.32	32.43	43.23
-24°C SST	R22	10.71	16.74	21.42	25.11	32.10	42.81
	R134a	9.27	14.52	18.60	21.75	27.84	37.11
T.X Valve	R404A	TE5-2	TE5-4	TE12-5	TE12-5	TE12-6	TE20-8
TE5 / 12 / 20	R407F	TE5-1	TE5-2	TE5-3	TE5-4	TE12-5	TE12-6
<i>Danfoss</i>	R22	TE5-1	TE5-2	TE5-3	TE5-4	TE12-5	TE12-6
	R134a	TE5-2	TE5-4	TE12-5	TE12-5	TE12-7	TE20-8

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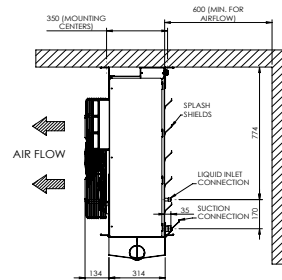
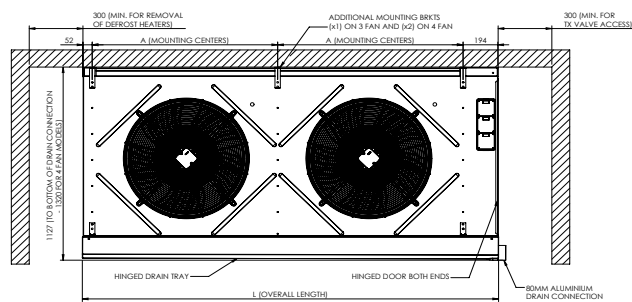
MEDIUM TEMP

MODELS	JMWC	140	155	230	275	305	340	410	450	545	605
Capacity	R404A	13.65	15.09	22.53	27.30	29.94	33.75	40.95	45.03	54.45	60.09
kW @ 6 KTD	R407F	14.31	15.84	23.64	28.65	31.38	35.25	42.99	47.28	57.15	63.06
-4°C SST	R22	13.41	14.70	22.11	26.97	29.37	33.12	41.16	44.19	53.46	58.95
	R134a	12.42	13.71	20.49	24.84	27.24	30.69	37.26	40.98	49.56	54.66
T.X Valve	R404A	3-1/2SC	3-1/2SC	5SC	7SC	7SC	10SC	10SC	10SC	13SC	13SC
HFKE SC	R407F	3HC	5-1/2HC	5-1/2HC	8HC	8HC	8HC	10HC	15HC	15HC	15HC
	R22	3HC	3HC	5-1/2HC	8HC	8HC	8HC	10HC	10HC	15HC	15HC
	R134a	4MC	4MC	6MC	6MC	6MC	7-1/2MC	11MC	11MC	11MC	14MC

LOW TEMP

MODELS	JLWC	100	175	220	260	330	435
Capacity	R404A	10.92	17.07	21.87	25.59	32.76	43.68
kW @ 6 KTD	R407F	10.80	16.89	21.60	25.32	32.43	43.23
-24°C SST	R22	10.71	16.74	21.42	25.11	32.10	42.81
	R134a	9.27	14.52	18.60	21.75	27.84	37.11
T.X Valve	R404A	3-1/2SZ	5SZ	7SZ	10SZ	10SZ	13SZ
HFKE SC	R407F	3HC	5-1/2HC	8HC	8HC	10HC	15HC
	R22	3HC	5-1/2HC	8HC	8HC	10HC	15HC
	R134a	4MC	6MC	6MC	7-1/2MC	11MC	14MC

DIMENSIONS



NTS (mm)

FRONT ELEVATION

SIDE ELEVATION

MEDIUM TEMP

MODELS	JMWC	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	3	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 ³	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
Defrost (Nom)		l/min	26	26	34	50	50	52	76	76	100
		min/hr	12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8
Dimensions	L	1306	1306	2326	2326	2326	3346	3346	3346	3686	3686
	A	1050	1050	1036	1036	1036	1036	1036	1036	1716	1716
Net Weight	kg	100	116	132	175	211	193	255	303	352	405

LOW TEMP

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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	5000
		Amps	2.5	5.0	5.0	7.5	10.0
Coil	Circuit Vol.	dm ³	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
Defrost (Nom)		l/min	29	38	55	58	110
		min/hr	16/6	16/6	16/6	16/6	16/6
Dimensions	L	1306	2326	2326	3346	3346	3686
	A	1050	1036	1036	1036	1036	1716
Net Weight	kg	106	140	183	203	265	342

CAPACITY CORRECTION

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

RELATIVE HUMIDITY GUIDE

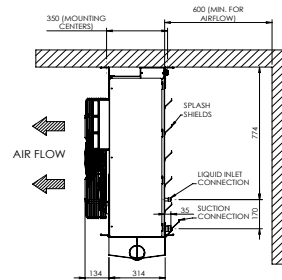
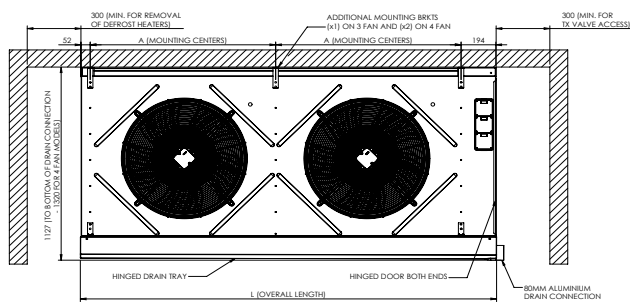
Temp Diff	R.H %	Temp Diff	R.H %
2K	94	10K	77
4K	89	12K	73
6K	84	14K	70
8K	81	16K	66

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.

Specifications subject to change without notice

DIMENSIONS



NTS (mm)

FRONT ELEVATION

SIDE ELEVATION

MEDIUM TEMP

MODELS	JMWC	140	155	230	275	305	340	410	450	545	605
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Fan Motors	Ø 630mm	Num.	1	1	2	2	2	3	3	4	4
		Watts	1250	1250	2500	2500	2500	3750	3750	5000	5000
		Amps	2.5	2.5	5.0	5.0	5.0	7.5	7.5	10.0	10.0
Coil	Circuit Vol.	dm ³	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"	7/8"	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"	2-1/8"	2-1/8"
		fpi	5	7	5	5	7	5	5	7	7
Defrost		l/min	26	26	34	50	50	52	76	76	100
	(Nom)	min/hr	12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8	12/8
Dimensions	L	1306	1306	2326	2326	2326	3346	3346	3346	3686	3686
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		fpi	5	5	5	5	5
Defrost		l/min	29	38	55	58	84
	(Nom)	min/hr	16/6	16/6	16/6	16/6	16/6
Dimensions	L	1306	2326	2326	3346	3346	3686
	A	1050	1036	1036	1036	1036	1716
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JMWC @ °C SST	JLWC @ °C SST
5°	1.17
0°	1.07
-5°	0.99
-10°	0.93

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Temp Diff	R.H %	Temp Diff	R.H %
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