

MA & WD Series

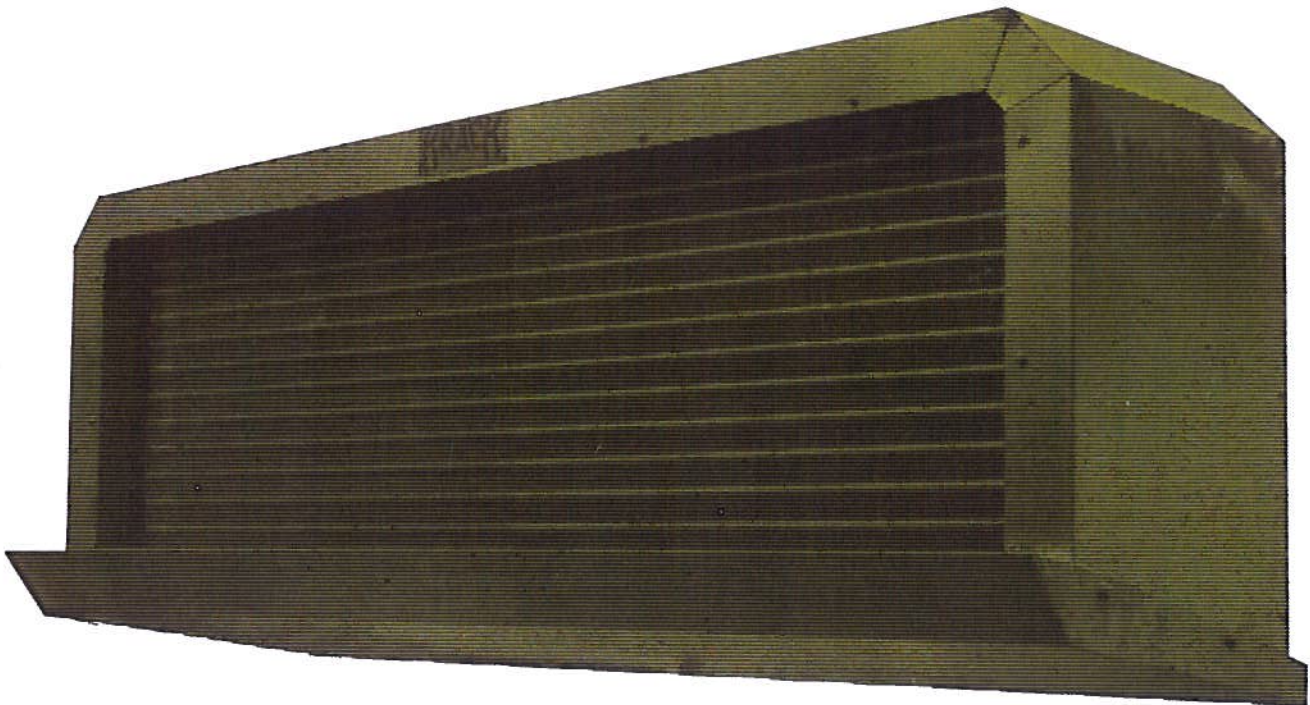
Bulletin: MA-WD-179

January 1, 1979

Supersedes: MA-574
WD-866 & IE

KRACK

MA & WD Series Blow Thru Unit Coolers



Air, Water or Hot Gas Defrost.

12-MA and 16-WD Models from 47,250 to 142,000 BTUH/10°TD

MA for rooms above 32°F. WD for Rooms above 20°F.

Ammonia, Halocarbon & Brine Refrigerants



SPECIFICATIONS

MODEL	CAPACITY BTUH/1°TD (1)				FINS INCH	COIL DATA			AIR DATA			FAN MOTOR ELECTRICAL DATA (2)				SOUND LEVEL dB(A)	APPROX WT-LBS	
	WET		FROSTED			SURFACE SQ. FT.	INT VOL CU FT	DXF LBS	CFM	FACE FPM	FANS NO-HP	TOTAL AMPACITY—60 HERTZ					STEEL COIL	COPPER COIL
	DX	REC	DX	REC							208/1	230/1	230/3	460/3				
MA3-5200	5200	6250	4725	5820	3	1134	1.7	52	11100	625	3-1/2	10.0	9.0	5.1	2.7	67	1150	790
MA3-5400	5400	6480	4905	6080	4	1451	1.7	55	10725	603	3-1/2	10.0	9.0	5.1	2.7	67	1240	850
MA3-5840	5840	7010	5255	6310	6	2087	1.7	59	10000	563	3-1/2	13.0	11.7	6.0	3.0	68	1460	1000
MA4-6750	6750	8100	6130	7360	3	1507	2.2	67	14240	614	4-1/2	NA	12.0	6.8	3.6	67	1640	1080
MA4-7300	7300	8760	6630	7960	4	1927	2.2	71	13760	593	4-1/2	NA	12.0	6.8	3.6	67	1760	1140
MA4-7900	7900	9480	7100	8530	6	2771	2.2	76	12800	552	4-1/2	NA	NA	8.0	4.0	69	2080	1350
MA5-8400	8400	10080	7640	9160	3	1879	2.8	83	17800	616	5-1/2	NA	NA	8.5	4.5	68	2050	1340
MA5-9100	9100	10920	8275	9930	4	2403	2.8	88	17200	595	5-1/2	NA	NA	8.5	4.5	68	2200	1430
MA5-9850	9850	11820	8865	10640	6	3456	2.8	100	16000	553	5-1/2	NA	NA	10.0	5.0	70	2600	1690
MA6-10085	10085	12100	9170	11000	3	2255	3.5	100	21360	616	6-1/2	NA	NA	10.2	5.4	69	2460	1610
MA6-10925	10925	13100	9935	11920	4	2884	3.5	106	20640	595	6-1/2	NA	NA	10.2	5.4	69	2640	1720
MA6-11825	11825	14200	10640	12780	6	4147	3.5	120	19200	553	6-1/2	NA	NA	12.0	6.0	71	3120	2030
WD3-4725	5200	6250	4725	5680	3	1134	1.7	52	11100	625	3-1/2	10.0	9.0	5.1	2.7	67	1220	830
WD3-4905	5400	6480	4905	6080	4	1451	1.7	55	10725	603	3-1/2	10.0	9.0	5.1	2.7	67	1300	890
WD3-5295	5825	6985	5295	6350	3	1134	1.7	53	14070	808	3-1/2	13.0	11.7	6.0	3.0	68	1240	850
WD3-5360	5895	7085	5360	6440	4	1451	1.7	57	12500	718	3-1/2	13.0	11.7	6.0	3.0	68	1320	910
WD4-6130	6750	8100	6130	7360	3	1507	2.2	67	14240	614	4-1/2	NA	12.0	6.8	3.6	67	1730	1140
WD4-6630	7300	8760	6630	7980	4	1927	2.2	71	13760	593	4-1/2	NA	12.0	6.8	3.6	67	1850	1200
WD4-6850	7550	9100	6850	8230	3	1507	2.2	69	18000	776	4-1/2	NA	NA	8.0	4.0	69	1760	1170
WD4-7100	7810	9370	7100	8525	4	1927	2.2	73	16000	689	4-1/2	NA	NA	8.0	4.0	69	1880	1230
WD5-7640	8400	10080	7640	9160	3	1879	2.8	83	17800	616	5-1/2	NA	NA	8.5	4.5	68	2160	1410
WD5-8275	9100	10920	8275	9930	4	2403	2.8	88	17200	595	5-1/2	NA	NA	8.5	4.5	68	2310	1500
WD5-8575	9430	11320	8575	10300	3	1879	2.8	86	22500	778	5-1/2	NA	NA	10.0	5.0	70	2200	1450
WD5-8880	9745	11695	8860	10620	4	2403	2.8	90	20000	692	5-1/2	NA	NA	10.0	5.0	70	2350	1540
WD6-9170	10085	12100	9170	11000	3	2255	3.5	100	21360	616	6-1/2	NA	NA	10.2	5.4	69	2590	1690
WD6-9935	10925	13100	9935	11920	4	2884	3.5	106	20640	595	6-1/2	NA	NA	10.2	5.4	69	2770	1800
WD6-10295	11325	13590	10295	12380	3	2255	3.5	103	27000	778	6-1/2	NA	NA	12.0	6.0	71	2640	1740
WD6-10835	11700	14045	10835	12760	4	2884	3.5	109	24000	692	6-1/2	NA	NA	12.0	6.0	71	2820	1850

(1) **Capacity** is based on sensible heat removal with a wet, dry, or frosted coil with TD's less than 20 Deg.F. Wet coil heat transfer is more efficient than frosted resulting in higher ratings. Dry ratings are between wet and frosted, however, refrigeration coils seldom operate dry. Although rated for sensible heat, a unit cooler will absorb the room total load consisting of both sensible and latent if the TD is adequate for the rated CFM. Flooded ratings are the same as recirculated.

Fan motor heat is not included in the ratings and is usually included in the load estimate (Coolers-4,000 BTUH/HP).

TD is the temperature difference between return or room air and coil saturated suction temperature.

Brine systems. Consult the factory for ratings. Provide required capacity, type of brine and concentration, brine and room temperatures, and GPM. Calcium chloride requires steel coils. Glycols use copper tube/aluminum fin coils.

50 Hertz results in a fan motor RPM decrease of 17%. Derate unit capacity 12% to compensate.

(2) **NA** indicates motor circuit exceeds 15 amps at 600 volts

and 20 amps at 125 volts or less. Ampacity will increase as room temperature is lowered (8% at 32°F.).

(3) **Relative sound pressure** is in decibels on the "A" scale, measured 6 feet in front of the unit. Actual sound level is dependent upon unit location, room size and height and surface "hardness" of walls, ceiling and product.

Ordering Instructions: When ordering, be certain that *all* of the following information is furnished:

1. Quantity
2. Complete model number
3. Electrical characteristics
4. Suction temperature
5. Room temperature
6. Options/accessories