

# Rapid Freeze Moderate Ambient Air Cooled

## Condensing Units

COOL SOLUTIONS SINCE 1912

## HOWE Proven. Best Choice.



MA4000-A-R404A-1 shown.



MADE IN USA!

Howe's high ambient condensing units are sized and configured to match Howe Rapid Freeze ice flakers. These units are designed for unexcelled quality, reliability, and long life. They are durable, energy efficient and they provide a high degree of flexibility to a wide diversity of industrial applications.

### STANDARD FEATURES

- High efficiency Copeland compressors with POE Oil.
- Thermally protected permanently lubricated ball bearing condenser fan motors.
- Electrical controls including compressor contactor and ice flaker interconnect wiring are located easily accessible control box.
- Head pressure control system
- Suction & liquid vibration eliminators.
- Liquid line filter-drier and sight glass.

### SPECIAL FEATURES

- Contact points for remote pumpdown (Service pump-down).
- Suction Accumulator
- Oil Separator with oil return line.
- Separate high pressure, low pressure control switches
- Oversized condensing units rated for 95°F ambient conditions.

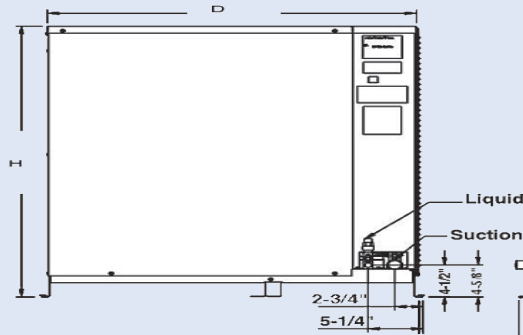
### OPTIONAL FEATURES

- Coated condenser coils for harsh environments.
- Oversized condensing units rated for 110°F ambient conditions.
- Cold Ambient units available for low temperature climates. (See low ambient condensing unit spec sheet).

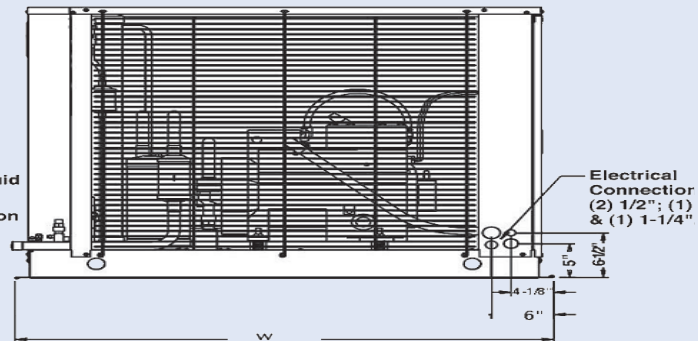
# Moderate Ambient

AC Condensing Units

SIDE VIEW



END VIEW



## CONDENSING UNIT

MODEL	DIMENSIONS IN			CM	CONDENSING UNIT CONNECTION SIZES			REQUIRED RUN LINE SIZES		SHIPPING WEIGHT		REC. CAP. 90% LBS.	
	W	D	H		W	D	H	SUCTION	LIQUID	SUCTION	LIQUID		LBS
MA1000-A-R404A-*	37- <sup>3</sup> / <sub>4</sub>	28-1/4	17-1/4	95.89	71.75	43.82	7/8	3/8	7/8	3/8	208	94	9
MA2000-A-R404A-*	42- <sup>1</sup> / <sub>2</sub>	30-1/4	29-3/4	107.95	76.84	75.57	1-1/8	1/2	1- <sup>1</sup> / <sub>8</sub>	1/2	313	12	20
MA4000-A-R404A-*	51-3/4	36-3/4	39-1/4	131.44	93.35	99.70	1-1/8	1/2	1-3/8	1/2	751	341	28
MA6000-A-R404A-*	63-3/4	36-3/4	39-1/4	161.93	93.35	99.70	1-3/8	5/8	1-5/8	5/8	1030	468	67

\* = 1 for 230/3/60, 2 for 380/3/50, 3 for 460/3/60, 4 for 575/3/60

## ELECTRICAL R-404A

VOLTAGE	MODEL	COMPRESSOR		CONDENSER FAN MOTORS			UNIT	
		RLA	LRA	QNT.	HP	FLA (EACH)	MCA	MOP
208-230/3/60	MA1000-A-R404A-1	8.2	55	2	1/15	.5	15.0	15
	MA2000-A-R404A-1	16.8	102	1	1/3	3.5	24.5	40
	MA4000-A-R404A-1	25.3	161	1	1/3	2.7	34.4	50
	MA6000-A-R404A-1	33.2	215	2	1/3	2.7	46.9	80
380/3/50	MA1000-A-R404A-2	3.5	26.6	2	1/15	.5	15.0	15
	MA2000-A-R404A-2	7.6	41	1	1/3	1.9	15.0	15
	MA4000-A-R404A-2	14.1	83	1	1/3	1.9	20.0	30
	MA6000-A-R404A-2	14.7	106	2	1/3	1.9	22.2	35
460/3/60	MA2000-A-R404A-3	8.8	48	1	1/3	1.9	15.0	20
	MA4000-A-R404A-3	11.9	80	1	1/3	1.9	16.8	25
	MA6000-A-R404A-3	15	106	2	1/3	1.9	22.6	35
575/3/60	MA4000-A-R404A-4	8.6	62	1	1/3	1.2	11.9	20
	MA6000-A-R404A-4	14.1	84	2	1/3	1.2	20	30
230/1/60	MA1000-A-R404A-5	11.2	61	2	1/15	.5	15	25
	MA2000-A-R404A-5	27.6	125	1	1/3	3.5	38	50