

Rapid Freeze Moderate Ambient Air Cooled

Condensing Units

COOL SOLUTIONS SINCE 1912

HOWE Proven. Best Choice.

Howe's moderate 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 semi-hermetic compressors with POE Oil.
- Electrical controls in weatherproof control box with compressor contactor and fused control circuit.
- Head pressure control system
- Suction & liquid vibration eliminators.
- Liquid line filter-drier and sight glass.

SPECIAL FEATURES

- Pump down toggle switch
- Suction Accumulator
- Oil Separator with oil return line.
- Separate high pressure, low pressure control switches

OPTIONAL FEATURES

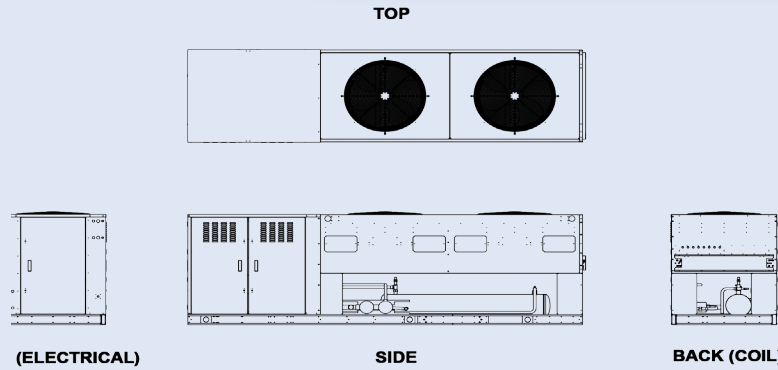
- Coated condenser coils for harsh environments.
- Oversized condensing units rated for 110°F ambient conditions.



MA77-A-R404A-1 shown.

APPLICATIONS

- Produce Harvesters
- Produce Wholesalers
- Produce Markets
- Industrial Bakeries
- Seafood Processors
- Seafood Distributors
- Meat Processors
- Sausage Processors
- Poultry Processors
- Concrete Cooling
- Amusement Parks
- Industrial Catering



CONDENSING UNIT

MODEL	DIMENSIONS IN			CM			CONNECTION SIZES		REQUIRED RUN Line Sizes (ODS)		REC CAP LBS	SHIPPING WEIGHT	
	H	W	L	H	W	L	SUCTION	LIQUID	SUCTION	LIQUID		LBS	KG
MA77-A-R404A-*	55	44-3/4	167-3/8	140	114	424	2 1/8	1-1/8	2 1/8	7/8	124	2200	998
MA77-A-R404A-2	55	44-3/4	167-3/8	140	114	424	2 1/8	1-1/8	2 1/8	7/8	124	2510	1140
MA102-A-R404A-*	55	44-3/4	167-3/8	140	114	424	2 1/8	7/8	2 5/8	1 1/8	157	2290	1040

*= 1 for 230/3/60, 3 for 460/3/60, 4 for 575/3/60

ELECTRICAL R-404A

VOLTAGE	MODEL	COMPRESSOR		CONDENSER FAN MOTORS			UNIT AMPS	MCA	MOP
		RLA	LRA	QTY	WATT	FLA (EACH)			
208-230/3/60	MA77-A-R404A-1	80.7	450	2	3700	6.6	93.9	11415	175
	MA102-A-R404A-1	95.6	470	2	3700	6.6	108.8	132.7	225
460/3/60	MA77-A-R404A-3	40.4	225	2	3700	3.1	46.6	56.7	90
	MA102-A-R404A-3	47.8	235	2	3700	3.1	54	65.9	110
575/3/60	MA77-A-R404A-4	32.5	172	2	3700	2.5	37.5	45.6	70
	MA102-A-R404A-4	39.6	200	2	3700	2.5	44.6	54.5	90
380/3/50	MA77-A-R404A-2	40.4	225	2	3700	3.1	46.6	56.7	90
	MA102-A-R404A-2								

Electrical specs for 102-RHS are same as 101-RHS. 102-RHS has two separate refrigeration circuits. Suction accumulator is provided with Howe furnished condensing unit.