Rapid Freeze
High Ambient Air Cooled

Condensing Units - 50 Hz

COOL SOLUTIONS SINCE 1912

HOWE Proven. Best Choice.

HA77-A-R404A-2 shown.

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 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

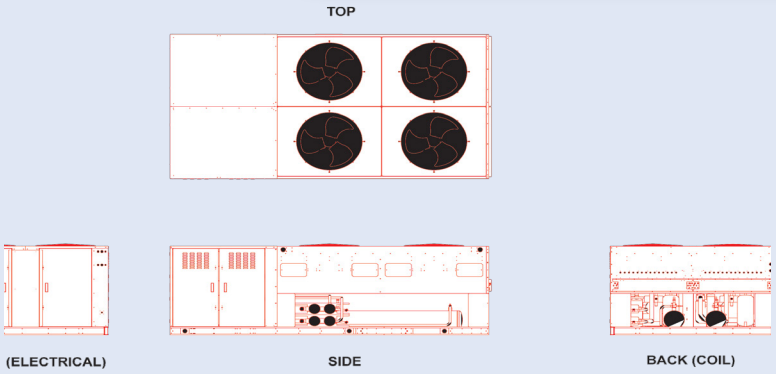
Oversized condensing units rated for 110°F ambient conditions

OPTIONAL FEATURES

- Coated condenser coils for harsh environments.

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 H	W	L	CM H	W	L	CONNECTION SIZES SUCTION	LIQUID	REQUIRED RUN Line Sizes (ODS) SUCTION	LIQUID	REC CAP LBS	SHIPPING WEIGHT LBS	KG
HA77-A-R4**A-2	55	86-3/4	167-3/8	139.7	220.3	425.1	2 1/8	1-1/8	2 1/8	7/8	103	2600	1182
HA102-A-R4**A-2	55	86-3/4	167-3/8	139.7	220.3	425.1	(2)2 1/8	(2)1-1/8	2 5/8	1 1/8	124	5470	2077

**= 04 for R404A, 48 for R448A

ELECTRICAL

VOLTAGE	MODEL	COMPRESSOR (EACH) MFG.	QTY	RLA	LRA	CONDENSER FAN MOTORS QTY	WATT	FLA (EACH)	UNIT AMPS	MCA	MOP
380/3/50	HA77-A-R404A-2	C	2	33.9	180	4	7400	15.	127.8	159.75	211.28
	HA102-A-R4**A-2	C	2	40.4	225	4	7400	19.5	158.7	198.4	266.2
	B= Bitzer, C= Copeland										

[1] = Receiver capacity is based on R404A refrigerant. Multiply R404A value by the appropriate value below for alternate refrigerants:

R407A	R407C	R448A	R449A	R507	R22
1.10	1.10	1.05	1.05	1.0	1.15

HOWE®

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