

# Rapid Freeze Large Capacity

60 hz AC Condensing Units

COOL SOLUTIONS SINCE 1912

## HOWE Proven. Best Choice.

Howe's LA77 & LA102 series 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 semi-hermetic compressors with POE Oil.
- Thermally protected permanently lubricated ball bearing condenser fan motors.
- 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.
- Vertical discharge condensers.

### SPECIAL FEATURES

- Pumpdown toggle switch
- Suction Accumulator
- Oil Separator with oil return line.
- Separate high pressure, low pressure control switches
- Heater & insulation on receiver (Std amb., not included with moderate units).

### OPTIONAL FEATURES

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



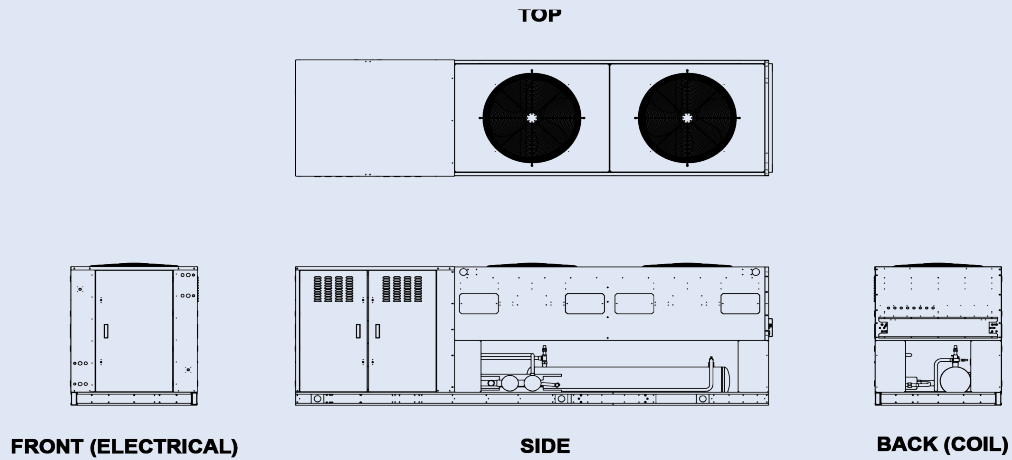
LA77-A-R404A-1 shown.

### RAPID FREEZE 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

# 77 & 102 Series

AC Condensing Units



## CONDENSING UNIT

| MODEL           | DIMENSIONS<br>IN |        |    | CM  |     |     | CONDENSING UNIT<br>CONNECTION SIZES |        | REQUIRED RUN<br>LINE SIZES |        | REC<br>CAP<br>LBS | SHIPPING WEIGHT |      |
|-----------------|------------------|--------|----|-----|-----|-----|-------------------------------------|--------|----------------------------|--------|-------------------|-----------------|------|
|                 | W                | D      | H  | W   | D   | H   | SUCTION                             | LIQUID | SUCTION                    | LIQUID |                   | LBS             | KG   |
| LA77-A-R4**A-*  | 167-3/8          | 44-3/4 | 55 | 425 | 114 | 140 | 2-1/8                               | 1-1/8  | 2-1/8                      | 7/8    | 124               | 2510            | 114  |
| LA102-A-R4**A-* | 167-3/8          | 44-3/4 | 55 | 425 | 114 | 140 | 2-1/8                               | 1-1/8  | 2-5/8                      | 1-1/8  | 157               | 2600            | 1182 |

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

## ELECTRICAL R-404A

| VOLTAGE      | COMPRESSOR<br>MODEL | CONDENSER FAN MOTORS |       |     | UNIT<br>WATTS | UNIT<br>FLA (EACH) | AMPS  | MCA   | MOP |
|--------------|---------------------|----------------------|-------|-----|---------------|--------------------|-------|-------|-----|
|              |                     | MFG                  | RLA   | LRA |               |                    |       |       |     |
| 208-230/3/60 | LA77-A-R404A-1      | C                    | 95.6  | 470 | 2             | 3700 6.6           | 108.8 | 132.7 | 225 |
|              | LA102-A-R4**A-1     | B                    | 120.1 | 700 | 2             | 3700 6.6           | 133.3 | 163.3 | 250 |
| 460/3/60     | LA77-A-R404A-3      | C                    | 47.8  | 235 | 2             | 3700 3.1           | 54    | 66.0  | 110 |
|              | LA102-A-R4**A-3     | B                    | 54.3  | 350 | 2             | 3700 3.1           | 60.5  | 74.18 | 125 |
| 575/3/60     | LA77-A-R404A-4      | C                    | 39.6  | 200 | 2             | 3700 2.5           | 44.6  | 54.5  | 90  |
|              | LA102-A-R4**A-4     | B                    | 43.6  | 280 | 2             | 3700 2.5           | 48.6  | 59.9  | 100 |

Suction accumulator is provided with Howe furnished condensing unit.

Compressor MFG:  
B = Bitzer, C = Copeland

<sup>1</sup> = 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 |

