

General Specifications:

- ✿ 20°F to 70°F Leaving Coolant Range
- ✿ 130 Gallon 304 Stainless Steel Evaporator Tank
- ✿ Tank Sight Glass, 30 PSI Relief Valve, and Air Vent
- ✿ Integrated Operating and Safety Controls
- ✿ Simple and Efficient Refrigeration Circuit
- ✿ Aluminum Structural Frame
- ✿ Weatherproof Mechanical and Electrical Sections
- ✿ Automatic Variable Speed Discharge Pressure Control
- ✿ Liquid Filled Refrigerant Pressure Gauges
- ✿ Single Point Electrical Connection
- ✿ Stainless Steel Fan Shroud and Composite Prop
- ✿ Six-point Temperature Display

| Model | Description | Flow GPM | Pump Head | Capacity @ 95°F Ambient (1,000's BTUH) | | | Pipe size | Electrical size | Shipping Weight |
|-----------|----------------|----------|-----------|--|------|------|-----------|-----------------|-----------------|
| | | | | 35°F | 45°F | 55°F | | | |
| CE-45-A-3 | 45 Ton Nominal | 130 | 135 ft. | 392 | 485 | 590 | 3" | 2" | 4,800 lbs. |

| Integrated Available Options | |
|------------------------------|-----------------------------------|
| CATALOG | DESCRIPTION |
| CVE04501 | Locking Casters |
| CVE04502 | Super Low Ambient Kit |
| CVE04503 | High Ambient Kit |
| CVE04504 | Stainless Steel Panels/Hardware |
| CVE04505 | Heresite Coated Condenser Coils |
| CVE04506 | Disconnect Switch (Door Mounted) |
| CVE04507 | VPM Voltage Phase Monitor |
| CVE04508 | 6 Point Digital Temp Display |
| CVE04509 | Refrigerant Gauges (per circuit) |
| CVE04511 | Tank Level Alarm |
| CVE04512 | Tank Auto-Fill |
| CVE04514 | Remote Operating Panel |
| CVE04515 | Tank Fill Pressure Reducing Valve |
| CVE04516 | Flow Switch (paddle) |
| CVE04518 | System Pump Pressure Bypass Valve |
| CVE04519 | System Pump VFD |
| CVE04520 | Vibration Isolation Mounts |
| CVE04521 | Water Cooled Condensers Mod Valve |

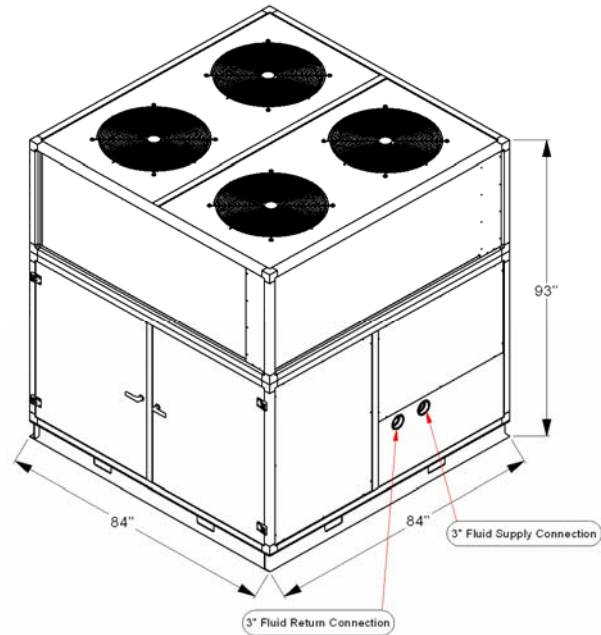
Safety and Operating Controls

- ✿ High and low refrigerant pressure lockouts
- ✿ Simple electronic temperature control
- ✿ Suction pressure operating control
- ✿ Discharge pressure control for condenser fans
- ✿ Contactors, motor starters, and overloads

Refrigeration Circuit

- ✿ Three 15 nominal ton compressors
- ✿ Air-cooled condenser copper/aluminum
- ✿ Coil in shell heat exchanger
- ✿ Thermostatic expansion valve
- ✿ Liquid-line filter drier
- ✿ Refrigerant sight glass
- ✿ Refrigeration suction and discharge service access valves

| Physical Data | CE-45-A |
|-----------------------|-----------------------|
| Unit Dimensions | 84" L x 84" W x 93" H |
| Dry Weight | 4,700 lbs. |
| Operating Weight | 5,800 lbs. |
| Oil Weight | 41.4 pt. |
| Refrigerant Weight | 55 lbs. |
| Piping Connections | 3" NPT |
| Electrical Connection | 2" |
| Reservoir Capacity | 130 Gallons |
| Condenser CFM | 31,500 CFM |
| System Pump | 130 GPM @ 60 PSI |



| Electrical Data | | | | | | | | | | | | | | | | | |
|-----------------|-------|----|-------------------|----|------|------------|----|-----|-------------|-----|-----|-------------|------|-----|-----------|-------|-------|
| Volts | Phase | HZ | Compressor (Each) | | | Fan (Each) | | | System Pump | | | Bypass Pump | | | Total FLA | MFS | MCA |
| | | | Qty | HP | RLA | Qty | HP | FLA | Qty | HP | FLA | Qty | HP | FLA | | | |
| 230 | 3 | 60 | 3 | 15 | 43.6 | 4 | 1 | 5.6 | 1 | 7.5 | 18 | 1 | 0.17 | 1.0 | 172.2 | 226.7 | 183.1 |
| 460 | 3 | 60 | 3 | 15 | 21.8 | 4 | 1 | 2.8 | 1 | 7.5 | 9 | 1 | 0.17 | 0.5 | 86.1 | 113.4 | 91.6 |

NOTES:

1. Transformer reflects all power used in control circuit.
2. FLA is at 45° LCT and 95° Ambient Temperature
3. For 208v, multiply 460v values by 2.21

| Performance Data | | CE-45-A | | | | |
|------------------|--|---------------------|-------|-------|-------|-------|
| | | Ambient Temperature | | | | |
| LCT °F | | 75° | 85° | 95° | 105° | 115° |
| 60° | | 720.9 | 684.9 | 648.3 | 610.5 | 572.1 |
| 55° | | 657.9 | 624.3 | 590.1 | 555.0 | 519.3 |
| 50° | | 598.4 | 567.3 | 535.2 | 502.5 | 469.2 |
| 45° | | 544.0 | 515.1 | 485.3 | 454.8 | 423.8 |
| 40° | | 489.6 | 462.9 | 435.3 | 407.1 | 378.3 |
| 35° | | 442.1 | 417.2 | 391.5 | 365.3 | 338.6 |
| 30° | | 394.5 | 371.4 | 347.7 | 323.4 | 298.8 |
| 25° | | 353.4 | 332.1 | 310.2 | 287.6 | - |
| 20° | | 312.3 | 292.8 | 272.7 | 251.9 | - |

* Net capacities not including BTUH's from system pump
 ** Capacity in 1,000 BTUH's
 *** LCT = Leaving Coolant Temperature

System Pump Performance Curve (Nominal)

