

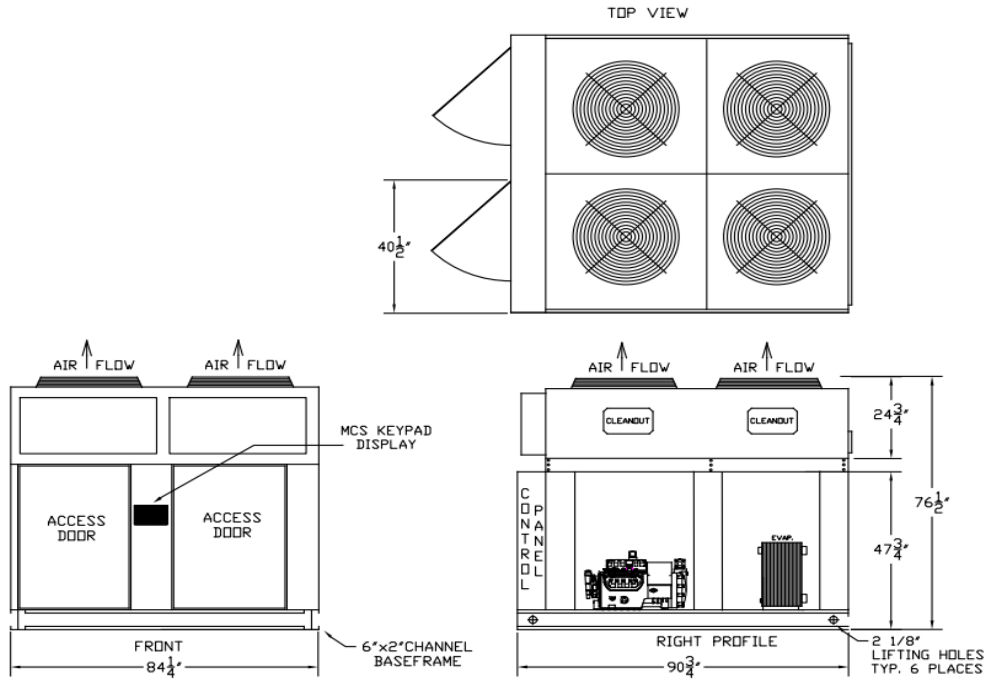


®

# PAC400S-S

## PACKAGED AIR-COOLED 40 HP SINGLE CIRCUIT SEMI-HERMETIC

### DIMENSIONAL DRAWINGS



| LENGTH | WIDTH  | HEIGHT | WEIGHT   | FLUID CONNECTIONS |
|--------|--------|--------|----------|-------------------|
| 90.75" | 84.25" | 76.5"  | 2900 LBS | 3" F-NPT          |

### PRODUCT PERFORMANCE INFORMATION

| REFRIGERANT | COMPRESSOR OPER. TEMP. SUCTION RANGE | LFT °F | 80°F AMB |      | 90°F AMB |      | 95°F AMB |      | 100°F AMB |     | 105°F AMB |     |
|-------------|--------------------------------------|--------|----------|------|----------|------|----------|------|-----------|-----|-----------|-----|
|             |                                      |        | TONS     | EER  | TONS     | EER  | TONS     | EER  | TONS      | EER | TONS      | EER |
| R407C       | 10°F to 55°F                         | 20     | 18.4     | 7.4  | 16.9     | 6.5  | 16.1     | 6.1  | 15.2      | 5.7 | 14.6      | 5.4 |
|             |                                      | 35     | 26.2     | 9.1  | 24.3     | 8.0  | 23.3     | 7.5  | 22.1      | 7.0 | 21.2      | 6.7 |
|             |                                      | 45     | 32.6     | 10.3 | 30.2     | 9.1  | 28.9     | 8.5  | 27.8      | 8.0 | 26.6      | 7.6 |
|             |                                      | 55     | 39.5     | 11.5 | 36.7     | 10.2 | 35.3     | 9.5  | 34.0      | 9.0 | 32.5      | 8.4 |
|             |                                      | 65     | 46.9     | 12.6 | 43.9     | 11.2 | 42.2     | 10.5 | 40.6      | 9.9 | 38.9      | 9.2 |
| R404A       | -10°F to 45°F                        | 0      | 15.7     | 6.8  | 14.5     | 6.1  | 13.7     | 5.7  | 13.1      | 5.4 | 12.4      | 5.0 |
|             |                                      | 10     | 18.7     | 7.1  | 16.9     | 6.2  | 16.2     | 5.9  | 15.3      | 5.5 | 14.4      | 5.1 |
|             |                                      | 25     | 25.3     | 8.2  | 23.1     | 7.2  | 22.1     | 6.7  | 20.9      | 6.3 | 19.8      | 5.9 |
|             |                                      | 40     | 33.7     | 9.4  | 30.9     | 8.2  | 29.5     | 7.7  | 28.1      | 7.2 | 26.9      | 6.8 |
|             |                                      | 55     | 44.0     | 10.6 | 40.3     | 9.3  | 38.6     | 8.7  | 36.9      | 8.2 | 35.3      | 7.7 |

#### DRAKE REFRIGERATION INC

2900 SAMUEL DRIVE  
 BENSALEM, PA 19020  
 (888) 289-7299

[www.drakechillers.com](http://www.drakechillers.com)

\*ALL INFORMATION FOR REFERENCE ONLY



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## PACKAGED AIR-COOLED 40 HP SINGLE CIRCUIT SEMI-HERMETIC

### STANDARD FEATURES

| FEATURE                                 | BENEFIT                                                                                                           |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Listings                                | ETL 3046941, UL STD 1995, CAN/CSA STD, C22.2 No. 236                                                              |
| Micro Control Systems Controller        | Open source, microprocessor built to operate in the HVAC/R industry                                               |
| Controls                                | BMS, BAS communications, remote access, monitoring services                                                       |
| Stainless Steel Brazed Plate Evaporator | Corrosion resistant, fully insulated and selected upon requirements                                               |
| Bitzer Semi-Hermetic Compressor         | Industry leader, rebuildable, long lasting compressor                                                             |
| Variable Capacity Control               | Allows for soft-start and stepped capacity control from 50-100%                                                   |
| Compressor Crankcase Heater             | Prevents compressor damage caused by cold refrigerant on startup                                                  |
| Suction Accumulator                     | Protects the compressor from damage caused by liquid flood back by preventing liquid from entering the compressor |
| Water Flow Switch                       | Protects against process fluid freezing caused by pump failure                                                    |
| Copper Tube/Aluminum Fin Condenser      | Rust resistant and high CFM                                                                                       |
| Compressor Vibration Eliminators        | Eliminates vibration transfer and reduces noise                                                                   |
| Painted Galvanized Steel Metal Cabinet  | Sturdy, corrosion resistance, professional appearance                                                             |
| Insulated Process Fluid Lines           | Maximum thermal efficiency                                                                                        |
| Factory Tested                          | Ensures the unit meets the customer's performance designed criteria and arrives in working order                  |
| Full Refrigerant Charge                 | Hassle free and more efficient installation                                                                       |
| NEMA 3R Rated Electrical                | Indoor/outdoor use                                                                                                |
| Phase Monitors                          | Electrical protection for compressors                                                                             |

### AVAILABLE OPTIONS

| OPTIONS                                   | AVAILABLE                                                                                                                                  |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Warranty                         | 4 year extended compressor warranty                                                                                                        |
| Compressors                               | Equivalent compressors available from Copeland and Carlyle                                                                                 |
| Electrical                                | Compressor fusing, disconnects, circuit breakers and more                                                                                  |
| Stainless Steel Pumps                     | 1/3 HP to 25 HP on board pumps in multiple configurations & options                                                                        |
| Fluid Piping Upgrades                     | Flow meters, pressure gauges, low flow bypass valves, and more                                                                             |
| Coastal Protection/Hazardous Environments | Heresite coating, "Gold" and Copper condenser coils                                                                                        |
| Low Ambient Protection                    | EC fan for temperature down to +10°F, Head pressure control for temperatures down to -20°F, Heated receivers for temperature down to -40°F |
| Other                                     | Casters, service outlets, city water add-ons, heaters, etc.                                                                                |

*More options and customization available, contact factory for information: (888) 289 - 7299*

### AVAILABLE MODEL NUMBER VOLTAGE REFERENCE

T3 (208-230/3/60) --- T4 (460/3/60) --- T5 (575/3/60)

### PRODUCT INFORMATION

| MODELS AVAILABLE | COMPRESSOR |     |    | FAN MOTOR |        | RLA EA | LRA EA | MCA | MOP | RECIRC. TANK |
|------------------|------------|-----|----|-----------|--------|--------|--------|-----|-----|--------------|
|                  | MODEL      | QTY | HP | QTY       | FLA EA |        |        |     |     |              |
| R407C R404A      |            |     |    |           |        |        |        |     |     |              |
| PAC400S3-T3-S    | 6GE-40-1Y  | 1   | 40 | 4         | 2.3    | 147.8  | 700    | 195 | 340 | N/A          |
| PAC400S3-T4-S    |            |     |    |           | 1.1    | 73.9   | 350    | 100 | 170 |              |
| PAC400S3-T5-S    |            |     |    |           | 0.9    | 59.1   | 280    | 80  | 135 |              |
| PAC400S6-T3-S    | 6GE-40-1Y  | 1   | 40 | 4         | 2.3    | 147.8  | 700    | 195 | 340 | N/A          |
| PAC400S6-T4-S    |            |     |    |           | 1.1    | 73.9   | 350    | 100 | 170 |              |
| PAC400S6-T5-S    |            |     |    |           | 0.9    | 59.1   | 280    | 80  | 135 |              |

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