

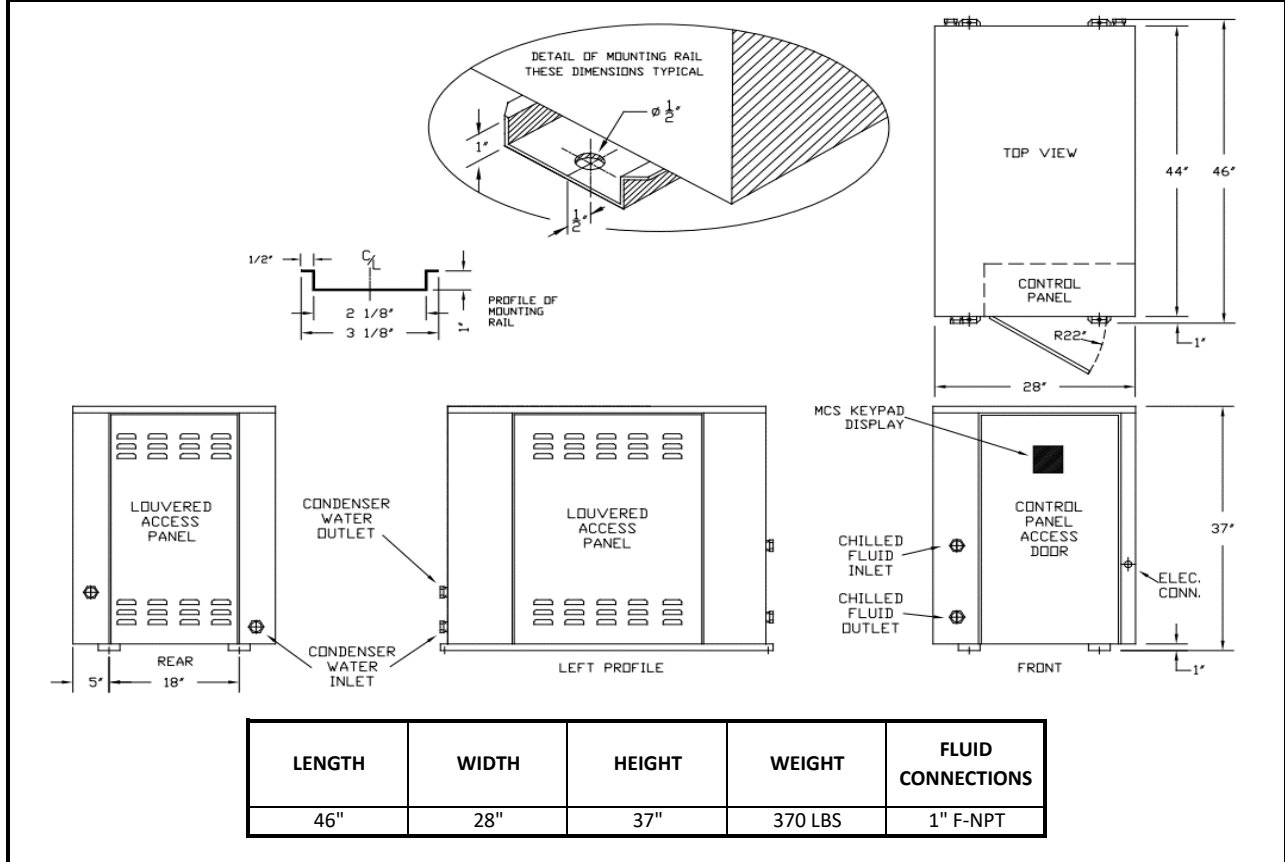


®

PWC50S

PACKAGED WATER-COOLED 5 HP SINGLE CIRCUIT SCROLL

DIMENSIONAL DRAWINGS



| PRODUCT PERFORMANCE INFORMATION | | | | | | | | | | |
|---------------------------------|--------------------------------------|--------|-----------|------|-----------|------|------------|------|------------|------|
| REFRIGERANT | COMPRESSOR OPER. TEMP. SUCTION RANGE | LFT °F | 70°F COND | | 90°F COND | | 105°F COND | | 120°F COND | |
| | | | TONS | EER | TONS | EER | TONS | EER | TONS | EER |
| R407C | 25°F to 55°F | 35 | 4.3 | 15.7 | 4.0 | 12.2 | 3.8 | 9.9 | 3.6 | 7.8 |
| | | 40 | 4.7 | 17.2 | 4.4 | 13.4 | 4.2 | 10.8 | 3.9 | 8.6 |
| | | 50 | 5.7 | 20.3 | 5.3 | 16.1 | 5.0 | 13.1 | 4.7 | 10.4 |
| | | 60 | N/A | N/A | 6.4 | 19.2 | 6.0 | 15.8 | 5.6 | 12.5 |
| | | 65 | N/A | N/A | 7.0 | 20.9 | 6.5 | 17.2 | 6.2 | 13.7 |
| R404A | -10°F to 45°F | 0 | 2.8 | 10.1 | 2.4 | 6.9 | 2.1 | 5.0 | 1.8 | 3.5 |
| | | 10 | 3.5 | 12.6 | 3.0 | 8.6 | 2.7 | 6.3 | 2.3 | 4.5 |
| | | 25 | 4.8 | 17.3 | 4.2 | 11.8 | 3.7 | 8.7 | 3.2 | 6.2 |
| | | 40 | 6.4 | 23.1 | 5.6 | 15.7 | 5.0 | 11.5 | 4.3 | 8.3 |
| | | 50 | N/A | N/A | 6.8 | 19.0 | 6.0 | 13.9 | 5.2 | 10.0 |
| | | 55 | N/A | N/A | 7.4 | 20.8 | 6.5 | 15.3 | 5.6 | 11.0 |

DRAKE REFRIGERATION INC
 2900 SAMUEL DRIVE
 BENSALEM, PA 19020
 (888) 289-7299
www.drakechillers.com

*ALL INFORMATION FOR REFERENCE ONLY



PWC50S

PACKAGED WATER-COOLED 5 HP SINGLE CIRCUIT SCROLL

| 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 |
| Copeland Scroll Compressor | Industry leader, long lasting compressor |
| 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 |
| Hot Gas Bypass | Aids in the prevention of evaporator freeze ups and capacity control |
| Coaxial "Tube-in-Tube" Condenser | Highly effective, compact heat exchanger with superior anti-fouling characteristics |
| 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 |
| 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 |
| Head Pressure Control | Condenser Water Regulating valves |
| Other | Casters, service outlets, city water add-ons, heaters, water reg. valves etc. |

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

| AVAILABLE MODEL NUMBER VOLTAGE REFERENCE |
|------------------------------------------|
| S2 (208-230/1/60) |

| PRODUCT INFORMATION | | | | | | | | | | | |
|---------------------|-------|------------|-----|----|-----------|------------|--------|--------|-----|-----|--------------|
| MODELS AVAILABLE | | COMPRESSOR | | | CONDENSER | | RLA EA | LRA EA | MCA | MOP | RECIRC. TANK |
| | | MODEL | QTY | HP | QTY | CONNECTION | | | | | |
| R407C | R404A | ZB42KCE | 1 | 5 | 1 | 1" F-NPT | 27.9 | 129 | 35 | 60 | N/A |
| PWC50S3-S2-Z | | ZB42KCE | 1 | 5 | 1 | 1" F-NPT | 31.4 | 129 | 40 | 70 | N/A |

DRAKE REFRIGERATION INC
 2900 SAMUEL DRIVE
 BENSALEM, PA 19020
 (888) 289-7299
www.drakechillers.com

*ALL INFORMATION **FOR REFERENCE ONLY**