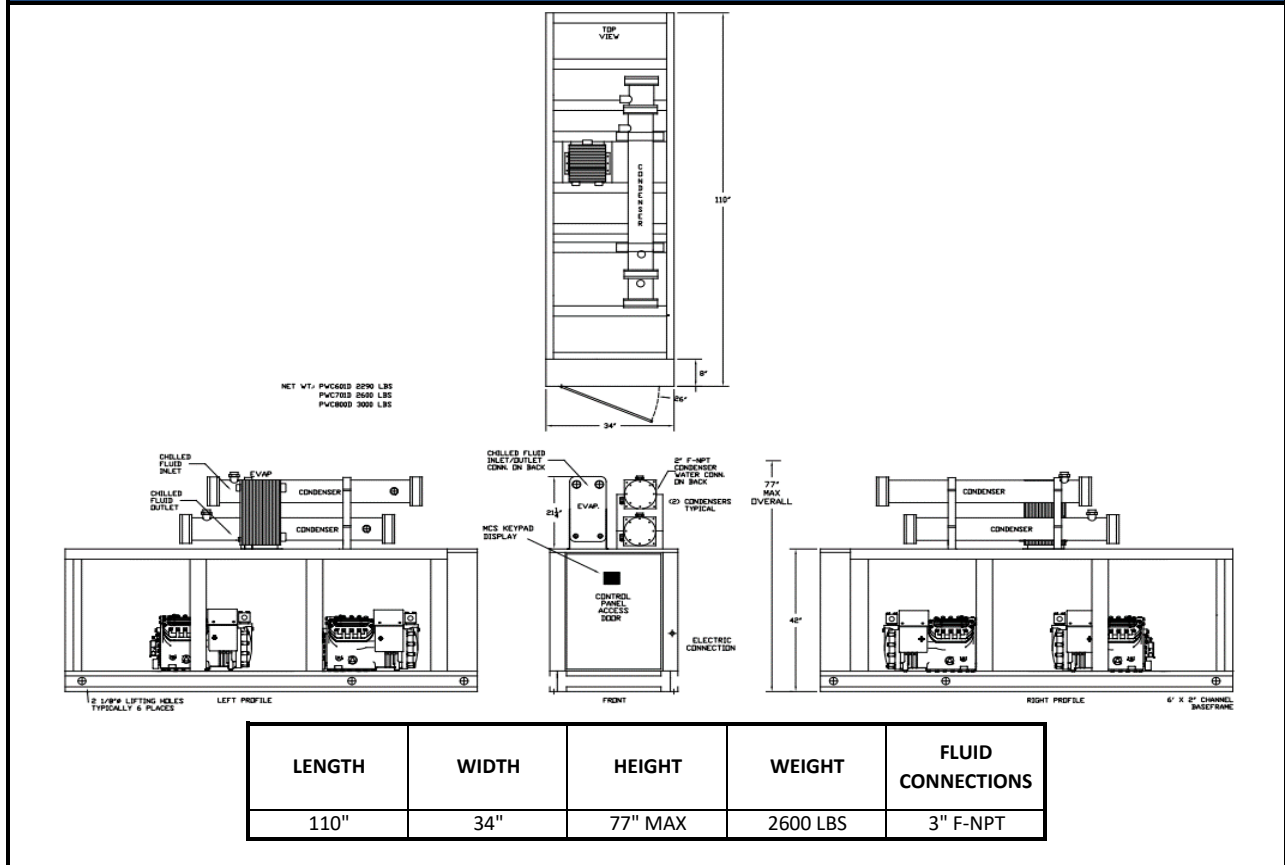




PWC701D-S

PACKAGED WATER-COOLED 70 HP DUAL CIRCUIT SEMI-HERMETIC

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 | 10°F to 50°F | 20 | 42.1 | 13.9 | 36.2 | 10.1 | 31.9 | 8.1 | 27.7 | 6.6 |
| | | 30 | 53.4 | 17.2 | 46.4 | 12.2 | 41.1 | 9.6 | 35.9 | 7.7 |
| | | 40 | 67.0 | 21.3 | 58.4 | 14.7 | 52.0 | 11.4 | 45.7 | 9.0 |
| | | 50 | 83.0 | 26.6 | 72.6 | 17.8 | 64.9 | 13.6 | 57.3 | 10.5 |
| | | 60 | N/A | N/A | 89.4 | 21.6 | 80.2 | 16.2 | 70.9 | 12.3 |
| R404A | -10°F to 40°F | 0 | 32.0 | 10.2 | 26.8 | 7.7 | 23.0 | 6.3 | 19.4 | 5.1 |
| | | 10 | 41.2 | 11.9 | 34.7 | 8.9 | 30.0 | 7.2 | 25.4 | 5.8 |
| | | 20 | 52.1 | 14.0 | 44.2 | 10.3 | 38.4 | 8.2 | 32.7 | 6.5 |
| | | 30 | 65.1 | 16.6 | 55.4 | 11.9 | 48.2 | 9.4 | 41.2 | 7.4 |
| | | 40 | 80.5 | 19.7 | 68.6 | 13.8 | 59.9 | 10.8 | 51.2 | 8.4 |
| 50 | N/A | N/A | 83.7 | 16.2 | 73.2 | 12.4 | 62.6 | 9.6 | | |

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

*ALL INFORMATION **FOR REFERENCE ONLY**



PWC701D-S

PACKAGED WATER-COOLED 70 HP DUAL 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 25-100% |
| 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 |
| Shell and Tube Condenser | Highly efficient water cooled design |
| 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 |
| Head Pressure Control | Condenser Water Regulating valves |
| Other | Casters, service outlets, city water add-ons, heaters, water reg. valves etc. |
| <i>More options and customization available, contact factory for information: (888) 289 - 7299</i> | |

| AVAILABLE MODEL NUMBER VOLTAGE REFERENCE |
|---|
| T3 (208-230/3/60) --- T4 (460/3/60) --- T5 (575/3/60) |

| PRODUCT INFORMATION | | | | | | | | | | |
|---------------------|------------|-----|-------|-----------|------------|--------|--------|-----|-----|--------------|
| MODELS AVAILABLE | COMPRESSOR | | | CONDENSER | | RLA EA | LRA EA | MCA | MOP | RECIRC. TANK |
| | MODEL | QTY | HP | QTY | CONNECTION | | | | | |
| R407C R404A | | | | | | | | | | |
| PWC701D3-T3-S | 6HE-35-1Y | 2 | 35 EA | 2 | 2" F-NPT | 128.8 | 550 | 290 | 415 | N/A |
| PWC701D3-T4-S | | | | | | 64.4 | 275 | 145 | 205 | |
| PWC701D3-T5-S | | | | | | 51.5 | 220 | 120 | 165 | |
| PWC701D6-T3-S | 6HE-35-1Y | 2 | 35 EA | 2 | 2" F-NPT | 128.8 | 550 | 290 | 415 | N/A |
| PWC701D6-T4-S | | | | | | 64.4 | 275 | 145 | 205 | |
| PWC701D6-T5-S | | | | | | 51.5 | 220 | 120 | 165 | |

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