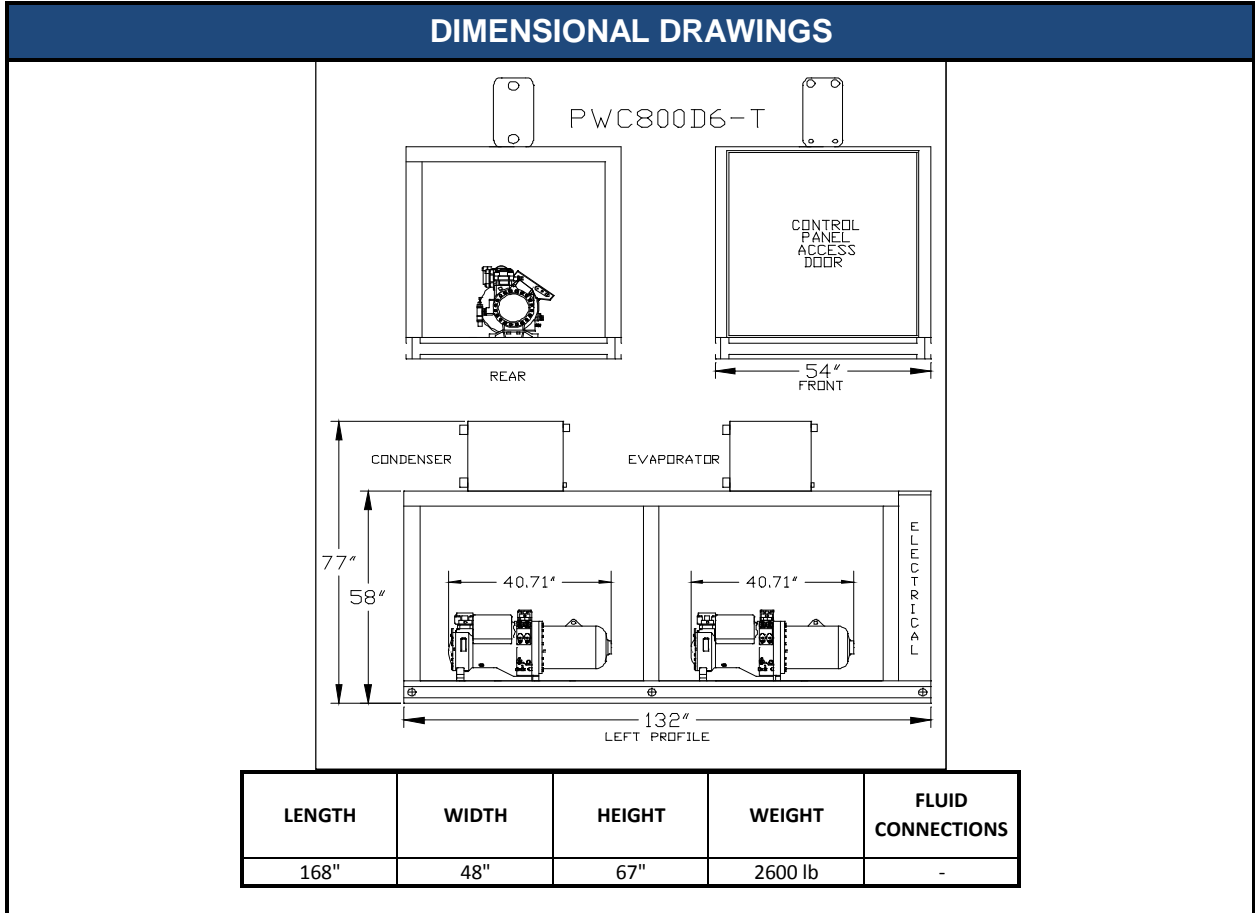




# PWC800D-T

## PACKAGED WATER-COOLED 80 HP DUAL CIRCUIT SCREW



**PRODUCT PERFORMANCE INFORMATION**

| REFRIGERANT | COMPRESSOR OPER. TEMP. SUCTION RANGE | °F  | 75 COND |      | 80 COND |      | 85 COND |      | 90 COND |      | 95 COND |      |
|-------------|--------------------------------------|-----|---------|------|---------|------|---------|------|---------|------|---------|------|
|             |                                      | LFT | TONS    | EER  | TONS    | EER  | TONS    | EER  | TONS    | EER  | TONS    | EER  |
| R407C       | 10°F to 55°F                         | 20  | 39.0    | 10.1 | 38.0    | 9.3  | 36.9    | 8.5  | 35.6    | 7.7  | 34.1    | 6.9  |
|             |                                      | 35  | 52.7    | 13.1 | 51.9    | 12.0 | 50.9    | 11.0 | 49.7    | 10.1 | 48.4    | 9.2  |
|             |                                      | 45  | 63.0    | 15.7 | 62.2    | 14.3 | 61.3    | 13.0 | 60.2    | 11.9 | 58.9    | 10.9 |
|             |                                      | 55  | 74.2    | 19.6 | 73.6    | 17.5 | 72.7    | 15.7 | 71.7    | 14.2 | 70.5    | 12.9 |
|             |                                      | 65  | 86.6    | 26.7 | 86.0    | 22.7 | 85.2    | 19.8 | 84.2    | 17.5 | 83.1    | 15.7 |
| R404A       | -10°F to 45°F                        | 0   | 32.9    | 6.7  | 31.7    | 6.1  | 30.5    | 5.6  | 29.3    | 5.1  | 27.9    | 4.6  |
|             |                                      | 10  | 40.7    | 7.9  | 39.4    | 7.2  | 38.1    | 6.6  | 36.7    | 6.0  | 35.1    | 5.5  |
|             |                                      | 25  | 54.2    | 10.1 | 52.8    | 9.2  | 51.2    | 8.5  | 49.6    | 7.7  | 47.8    | 7.0  |
|             |                                      | 40  | 70.2    | 12.9 | 68.5    | 11.9 | 66.8    | 10.9 | 64.9    | 9.9  | 62.9    | 9.0  |
|             |                                      | 55  | 88.7    | 17.0 | 86.9    | 15.5 | 84.9    | 14.2 | 82.7    | 12.9 | 80.5    | 11.7 |

**DRAKE REFRIGERATION INC**  
 2900 SAMUEL DRIVE  
 BENSLEM, PA 19020  
 (888) 289-7299  
[www.drakechillers.com](http://www.drakechillers.com)

\*ALL INFORMATION *FOR REFERENCE ONLY*



# PWC800D-T

## PACKAGED WATER-COOLED 80 HP DUAL CIRCUIT SCREW

| 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                                               |
| Hanbell Screw Compressor                | Robust, long lasting, rebuildable compressor with 3 year standard warranty                                        |
| 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                                                    |
| Hot Gas Bypass                          | Aids in the prevention of evaporator freeze ups and capacity control                                              |
| 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                  |
| Electronic Expansion Valves             | Added consistency, efficiency, and control                                                                        |
| 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                |
| Marine Environments   | Marine-duty condensers for salt water applications                            |
| 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

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

| PRODUCT INFORMATION |            |     |          |       |       |          |          |           |     |
|---------------------|------------|-----|----------|-------|-------|----------|----------|-----------|-----|
| MODELS AVAILABLE    | COMPRESSOR |     | POWER    |       |       | MCC EACH | LRA EACH | FAN MOTOR |     |
|                     | MODEL      | QTY | VOLTAGE  | PHASE | FREQ  |          |          | FLA EA    | QTY |
| R407C R404A         | RC2-100B   | 2   | 208-230V | 3     | 60 Hz | 142      | 460      | 6.6       | -   |
| PWC800D3-T3-T       |            |     | 460V     | 3     | 60 Hz | 68       | 240      | 3.1       |     |
| PWC800D3-T5-T       |            |     | 575V     | 3     | 60 Hz | 54       | 190      | 2.5       |     |
| PWC800D6-T3-T       | RC2-100B   | 2   | 208-230V | 3     | 60 Hz | 142      | 460      | 6.6       | -   |
| PWC800D6-T4-T       |            |     | 460V     | 3     | 60 Hz | 68       | 240      | 3.1       |     |
| PWC800D6-T5-T       |            |     | 575V     | 3     | 60 Hz | 54       | 190      | 2.5       |     |

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