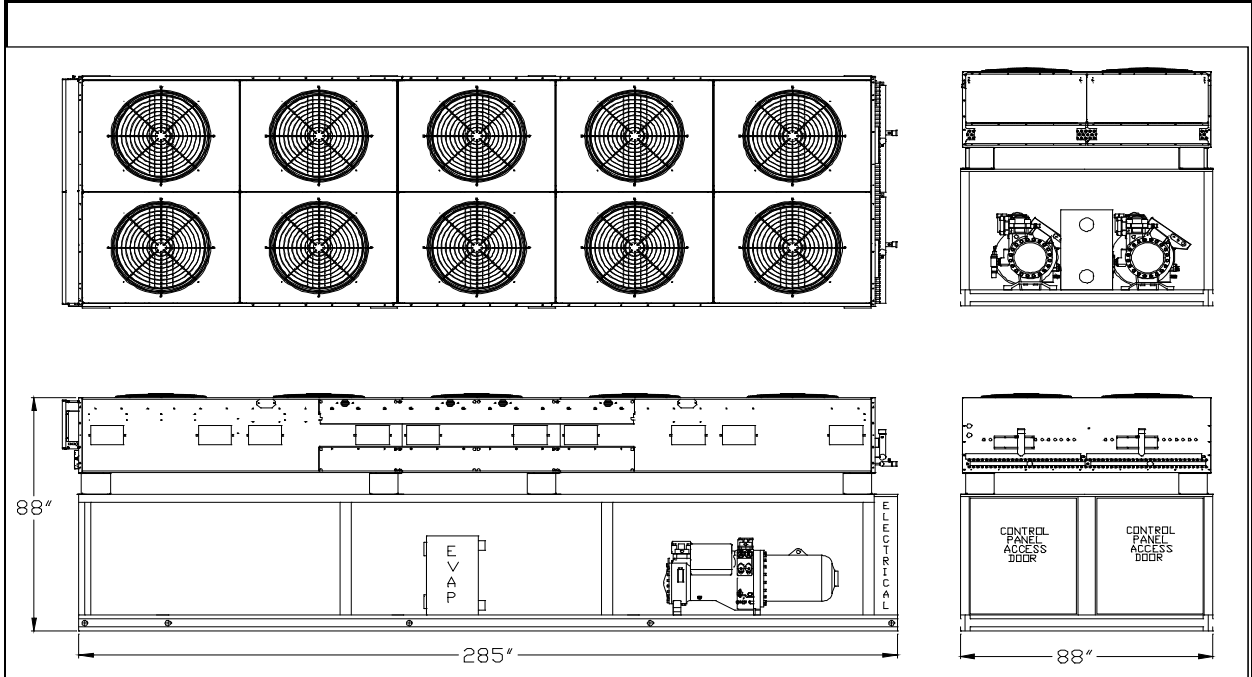




PAC1600D-T

PACKAGED AIR-COOLED 160 HP DUAL CIRCUIT SCREW

DIMENSIONAL DRAWINGS



| LENGTH | WIDTH | HEIGHT | WEIGHT | FLUID CONNECTIONS |
|--------|-------|--------|---------|-------------------|
| 285" | 88" | 88" | 7850 lb | - |

PRODUCT PERFORMANCE INFORMATION

| REFRIGERANT | COMPRESSOR OPER. TEMP. SUCTION RANGE | °F | 70 AMB | | 85 AMB | | 95 AMB | | 100 AMB | | 105 AMB | |
|-------------|--------------------------------------|-----|--------|------|--------|------|--------|------|---------|------|---------|------|
| | | LFT | TONS | EER | TONS | EER | TONS | EER | TONS | EER | TONS | EER |
| R407C | 10°F to 55°F | 20 | 93.6 | 11.6 | 86.7 | 8.9 | 80.2 | 7.3 | 76.3 | 6.5 | 71.8 | 5.7 |
| | | 35 | 125.7 | 15.1 | 119.8 | 11.7 | 113.8 | 9.8 | 110.1 | 8.9 | 105.9 | 8.0 |
| | | 45 | 149.7 | 18.4 | 144.3 | 13.8 | 138.7 | 11.5 | 135.1 | 10.5 | 131.0 | 9.6 |
| | | 55 | 175.9 | 23.7 | 171.1 | 16.6 | 165.8 | 13.6 | 162.4 | 12.4 | 158.4 | 11.3 |
| | | 65 | 204.8 | 34.3 | 200.5 | 20.9 | 195.4 | 16.5 | 192.2 | 14.9 | 188.3 | 13.5 |
| R404A | -10°F to 45°F | 0 | 78.3 | 7.7 | 70.5 | 5.9 | 64.4 | 4.9 | 61.0 | 4.4 | 57.4 | 3.9 |
| | | 10 | 96.5 | 9.1 | 87.9 | 7.0 | 81.1 | 5.8 | 77.4 | 5.2 | 73.4 | 4.7 |
| | | 25 | 128.2 | 11.6 | 118.3 | 9.0 | 110.5 | 7.4 | 106.1 | 6.7 | 101.5 | 6.1 |
| | | 40 | 165.6 | 14.9 | 154.2 | 11.5 | 145.2 | 9.5 | 140.3 | 8.7 | 135.0 | 7.8 |
| | | 55 | 208.9 | 19.5 | 196.0 | 15.0 | 185.8 | 12.4 | 180.2 | 11.3 | 174.2 | 10.2 |

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

*ALL INFORMATION **FOR REFERENCE ONLY**



PAC1600D-T

PACKAGED AIR-COOLED 160 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 |
| 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 | | POWER | | | MCC EACH | LRA EACH | FAN MOTOR | |
| R407C | R404A | MODEL | QTY | VOLTAGE | PHASE | FREQ | | | FLA EA | QTY |
| PAC1600D3-T3-T | | RC2-230B | 2 | 208-230V | 3 | 60 Hz | 318 | 1380 | 6.6 | 10 |
| PAC1600D3-T4-T | | | | 460V | 3 | 60 Hz | 152 | 720 | 3.1 | |
| PAC1600D3-T5-T | | | | 575V | 3 | 60 Hz | 122 | 545 | 2.5 | |
| PAC1600D3-T3-T | | RC2-230B | 2 | 208-230V | 3 | 60 Hz | 318 | 1380 | 6.6 | 10 |
| PAC1600D3-T4-T | | | | 460V | 3 | 60 Hz | 152 | 720 | 3.1 | |
| PAC1600D3-T5-T | | | | 575V | 3 | 60 Hz | 122 | 545 | 2.5 | |

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