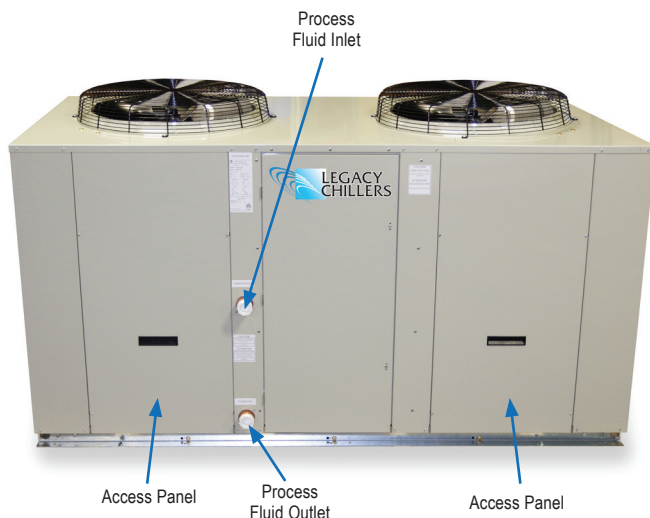


PRODUCT DATA SHEET

Model: **PZA15D**
*Packaged Air-Cooled
15 Ton Chiller*



Legacy Chillers, Inc.
851 Tech Drive
Telford, PA 18969
Toll-Free: (877) 988-5464



STANDARD ON ALL LEGACY CHILLER MODELS:
Pentra Microsmart, Programmable Logic Controller (PLC)
with HMI Touch Screen Display.



Standard Features:

- ETL listed to UL1995 & CAN/CSA C22.2 No. 236-11, 4th edition, 10/14/2011
- Single point power connection
- Pentra Microsmart, Programmable Logic Controller (PLC) with easy to use HMI touch screen display
- **STAINLESS STEEL**, brazed plate evaporator
- Scroll compressor with crankcase heater
- Suction accumulator
- Water flow switch
- Hot gas by-pass capacity control
- 24V control transformer
- Direct drive condenser fan motor
- Rust resistant, high CFM, aluminum condenser fan blade
- Condenser(s): copper tube/aluminum fin
- Compressor motor contactor
- Condenser motor and control circuit fusing
- **Painted (Powder Coated), galvanized sheet metal cabinet**
- 1/2" insulation on all water and Low pressure refrigerant lines
- Liquid line drier, sight glass, solenoid, TXV
- Complete refrigerant charge from factor
- **Factory Performance Test prior to shipment**

**Easy to Use
Touch Screen Display
on all Legacy Chiller
Models**



Options:

- Copeland Digital Scroll Compressor (*Hot Gas Bypass Removed*)
- Remote Idec touchscreen control panel
- Industrial VPN Router
- 5 Port Ethernet Switch
- BacNet Gateway
- **STAINLESS STEEL Process Pump**
- **Process Pump VFD Controller**
- **VFD Compressor Control (*Hot Gas Bypass Removed*)**
- 4 year extended compressor warranty
- Casters (factory mounted)
- 115 volt (rain tight) service outlet
- Non Fused Disconnect
- Phase/voltage monitor
- Compressor fusing
- Compressor Sound Cover
- Flooded cond. w/receiver/head pressure control (0°F)
- Flooded cond. w/**Heated** receiver/head pressure control (-20°F)
- Dual process pumps with auto changeover
- Pump suction isolation valve(s)
- Water pressure gauge set
- Copper finned condenser coil (coastal protection)
- Coastal powder coat paint protection
- E-Coat Condenser Coil (coastal protection)
- Water Flow Meter
- Auto city water changeover panel with filter
- Door Mounted HMI with weather proof cover

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Dimensional & Electrical Table (Dual Circuit)

| Chiller Models | Length Inches | Width Inches | Height Inches | Power | | | Compressor | | RLA ea. | LRA ea. | Fan Motor | | MCA | M.O.P | Chiller Fluid Conn. | Weight Pounds |
|----------------|---------------|--------------|---------------|----------|-------|-------|------------|----|---------|---------|-----------|------|-----|-----------|---------------------|---------------|
| | | | | Voltage | Phase | Freq. | Qty. | HP | | | Qty. | FLA. | | | | |
| PZA15DF6 | 85 | 40 | 50 | 208/230V | 3 | 60Hz | 2 | 9 | 30.1 | 225 | 2 | 3.8 | 80 | 1.25" FPT | 1000 | |
| PZA15DH5 | | | | 460V | 3 | 60Hz | | | 15.5 | 114 | | 1.5 | 40 | | | 50 |
| PZA15DI5 | | | | 575V | 3 | 60Hz | | | 12.1 | 80 | | 1.72 | 35 | | | 40 |

Capacity Table (Refrigerant R407C)

| Model | Compressor | LWT °F | 80°F | | | 90°F | | | 95°F | | | 100°F | | | 105°F | | |
|-------|------------|--------|------|------|------|------|------|------|-------------|-------------|-------------|-------|------|------|-------|------|-----|
| | | | TONS | KW | EER | TONS | KW | EER | TONS | KW | EER | TONS | KW | EER | TONS | KW | EER |
| 15D | ZB66KCE | 42.0 | 15.3 | 14.0 | 11.8 | 14.6 | 15.5 | 10.3 | 14.3 | 16.2 | 9.7 | 13.9 | 17.1 | 9.0 | 13.5 | 17.9 | 8.4 |
| | | 44.0 | 16.3 | 14.3 | 12.3 | 15.5 | 15.7 | 10.8 | 15.2 | 16.5 | 10.1 | 14.8 | 17.3 | 9.4 | 14.5 | 18.2 | 8.8 |
| | | 45.0 | 16.5 | 14.4 | 12.5 | 15.8 | 15.8 | 10.9 | 15.5 | 16.6 | 10.3 | 15.2 | 17.4 | 9.6 | 14.8 | 18.3 | 8.9 |
| | | 50.0 | 17.8 | 14.8 | 13.2 | 17.1 | 16.2 | 11.6 | 16.8 | 17.0 | 10.8 | 16.4 | 17.8 | 10.2 | 16.0 | 18.7 | 9.5 |

- Capacities on this chart are based on refrigerant R407C. Lower leaving water or low ambient can require the use of a glycol solution or other fluid blends. These solutions affect unit capacities. Please consult the factory on these or other special fluids.
- KW input is for compressor(s) only.
- EER = Energy Efficiency Ratio (BTU/watt-hour). Power inputs include compressor (s), condenser fan motor (s) and control power.

Product Dimensional Drawing

