



# Brewery Chillers



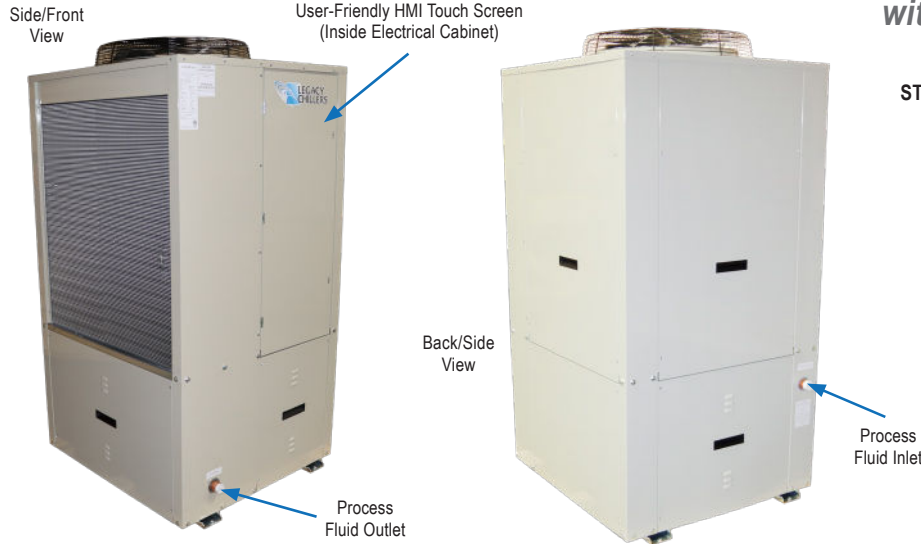
**Legacy Chillers, Inc.**  
 851 Tech Drive  
 Telford, PA 18969  
 Toll-Free: (877) 988-5464

**LEGACY CHILLERS, INC. – PRODUCT DATA SHEET**

Model: **PZATB1S**

## Packaged Air-Cooled 1 HP Brewery Chiller

*with Stainless Steel Tank*



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

**R454A**  
 Refrigerant

### Standard Features:

- Conforms to UL 60335-2-40:2022 Ed.4
- UL60335-1:2016 Ed.6
- CSA C22.2 # 60335-1:2016 Ed.2
- CSA C22.2 # 60335-2-40:2022 Ed.4
- Single point power connection
- Pentra Microsmart, Programmable Logic Controller (PLC) with easy to use HMI touch screen display
- Door Mounted HMI with weather proof cover
- 5 Port Ethernet Switch (Chiller remote network access control and Modbus capability)
- Remote SMTP services for email alerts
- STAINLESS STEEL Tank
- STAINLESS STEEL Process Pump
- Pump Isolation Valves
- Fused, STAINLESS STEEL evaporator pump
- STAINLESS STEEL, brazed plate evaporator
- Scroll compressor with crankcase heater
- Suction accumulator
- Liquid line drier, sight glass, solenoid
- Electronic expansion valve
- Manual high pressure cutout
- Fluid flow switch
- 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 Coat), galvanized sheet metal cabinet
- 1/2" insulation on all fluid and Low pressure refrigerant lines
- Complete refrigerant charge from factory
- Factory performance test prior to shipment



### Options:

- Remote Idec touchscreen control panel
- BacNet Gateway
- Process Pump VFD Controller
- Condenser Fan VFD Controller
- Compressor VFD Controller
- 4 year extended compressor warranty
- Casters (factory mounted)
- 115 volt (rain tight) service outlet
- Non Fused Disconnect
- Phase Monitor, line voltage monitor offering protection against phase loss/reversal, unbalance and High/Low voltage
- Compressor fusing
- Compressor Sound Cover
- Flooded cond. w/receiver/head pressure control (0°F)
- Heated, flooded cond. w/receiver/head pressure control (-20°F)
- Water flow meter
- Low flow bypass
- Dual process pump with auto changeover
- Pump suction isolation valve
- Water pressure gauge set
- Coastal powder coat paint protection
- E-Coat Condenser Coil (coastal protection)
- Storage tank sight glass



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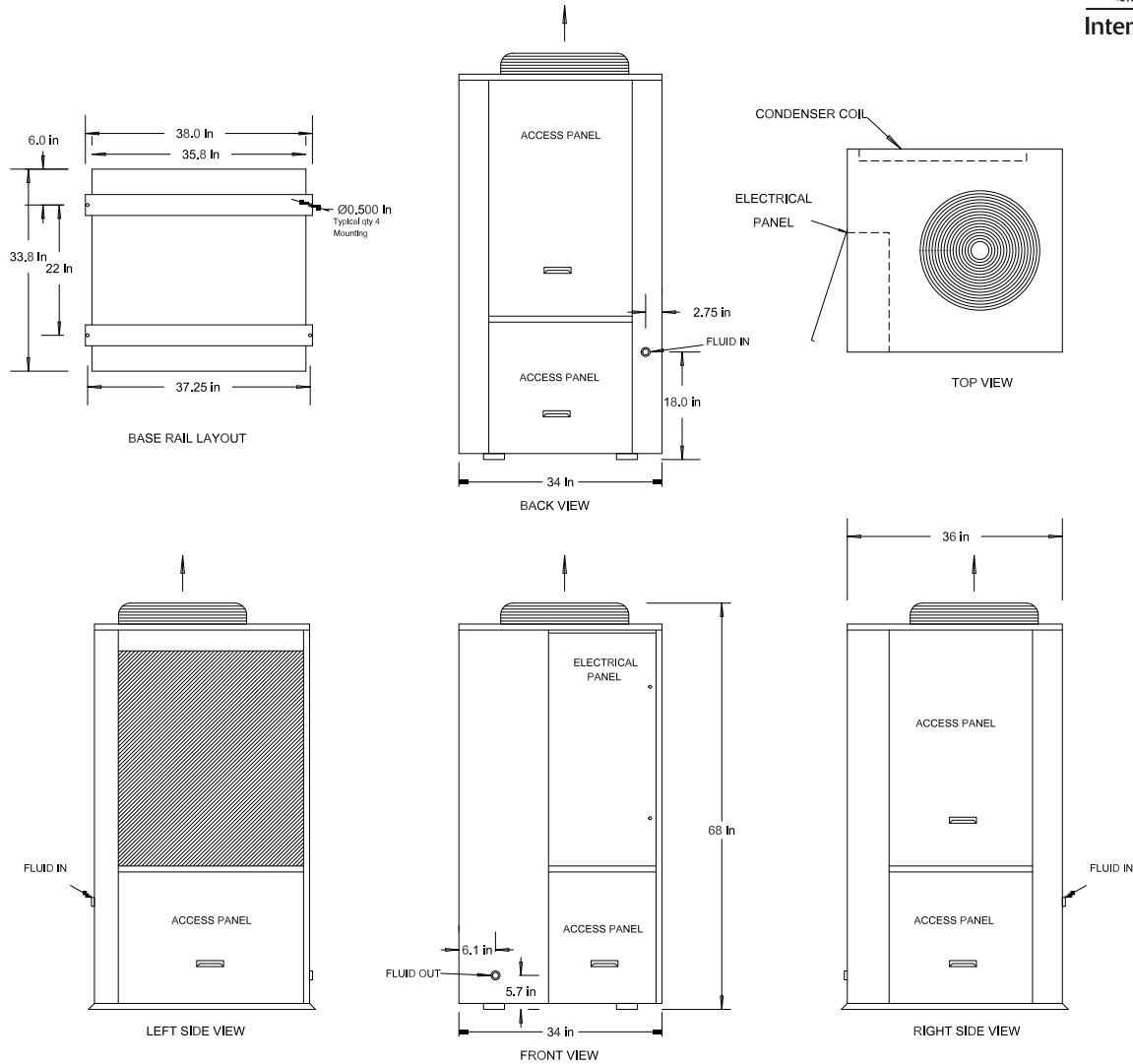
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## Product Dimensional Drawing

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*with Stainless Steel Tank*



**Dimensional & Electrical Table (Single Circuit)**

| Chiller System | Brewery Model | Capacity (90°F Ambient) |             | Glycol Pump (HP) | Tank | Dimensions |       |        | Ship Weight | Operating Weight | Electrical Data      |     |     | Glycol Fitting Connections |
|----------------|---------------|-------------------------|-------------|------------------|------|------------|-------|--------|-------------|------------------|----------------------|-----|-----|----------------------------|
|                |               | 28°F Glycol             | 33°F Glycol |                  |      | Length     | Width | Height |             |                  | Voltage / Phase / HZ | MCA | MOP |                            |
| 1 HP           | PZATB1SE7     | 10200                   | 11400       | 1                | 20   | 36         | 34    | 68     | 685         | 750              | 208/230-1-60         | 17  | 20  | 1 1/4"                     |
|                | PZATB1SF7     |                         |             |                  |      |            |       |        |             |                  | 208/230-3-60         | 14  | 15  |                            |
|                | PZATB1SH7     |                         |             |                  |      |            |       |        |             |                  | 460-3-60             | 6   | 15  |                            |