

Specifications:

Technical and Performance Data:

- **Nominal Flow:** 23 gpm
- **Pressure Capacity:** 3,000 psi
- **Remote Compensator Setting:** 2,100 psi
- **Relief Valve Setting:** 2,450
- **Cooling Loop Pump Flow:** 4.5 gpm
- **Cooling Loop Heat Rejection:** 4 hp
- **Main Pump Motor:** 40 hp-1,800 rpm
- **Cooling Loop Fan Motor:** 1/4 hp
- **Electrical Requirement:**
460 VAC/3ph/60Hz/50amps
- **Oil Reservoir:** 80 Gallons
- **Hydraulic Oil:** ISO 32 or 46
- **Dimensions:** See attached
- **Dry Weight:** 2,300 lbs
- **Weight with Oil:** 2,845 lbs

How It Works:

Just press the run button and the pressure compensated pump will provide full pump flow at pressures below the compensator setting. Once the pump flow is restricted (i.e. closing the control valve) pressure will build up to the setting of the compensator and then the pump will destroke to the level needed to maintain the compensator pressure setting. When fully destroked the oil flowing over the relief valve is reduced to 1 gpm thus proportionally reducing oil heat generation and size of the oil cooler required.

Standard Features:

- Vertical design with submerged pumps.
- Parker variable volume piston pump.
- 40 hp 1800 rpm TEFC motor.
- NEMA 4 Electrical panel with starter/XTOB overload relay frame, on-off buttons, runs light and emergency stop.
- Remote pump compensator and relief valves
- External pump compensator control
- Intergraded skid with lift Lugs, fork slots & castors.
- Large oil tank with level gauge and thermometer
- Independent air/oil cooler on kidney loop.
- Pressure Gauge with shut off
- 10 micron return and 5 micron kidney loop filters
- Breather, fill cap, suction strainer and cleanout cover
- Port block with safety relief & Parker H8-62/H8-63 couplings
- (2) Parker 3/4 in X 40 ft hoses with H8-62/H8-63 couplings
- 40 feet of C/4 4 AWG power cable

Options:

- Additional power cord and hydraulic hose
- Electrical motor soft starter
- Electro-hydraulic servo valve required for use with the Extractor EDC model control handle.



Extractor- 40 hp Hydraulic Power Unit

Our custom built HPU incorporates a 40 hp electric motor and variable-displacement pressure compensated pump to produce the necessary oil pressure and flow to maximize the speed and torque of the extractor's two hydraulic motors.

The superior pressure compensated-piston pump technology provides the significant benefits of variable flow, high power density and conversion efficiency and reduced oil heat generation. It's compact vertical design and integral skid with lift lugs, fork slots and castors allows the unit to be efficiently moved in and around the plant.

This HPU incorporates high performance components from Parker Hannifin, Baldor and other quality sub suppliers to insure years of trouble free operation, readily available parts and a long service life.



HPU Top View

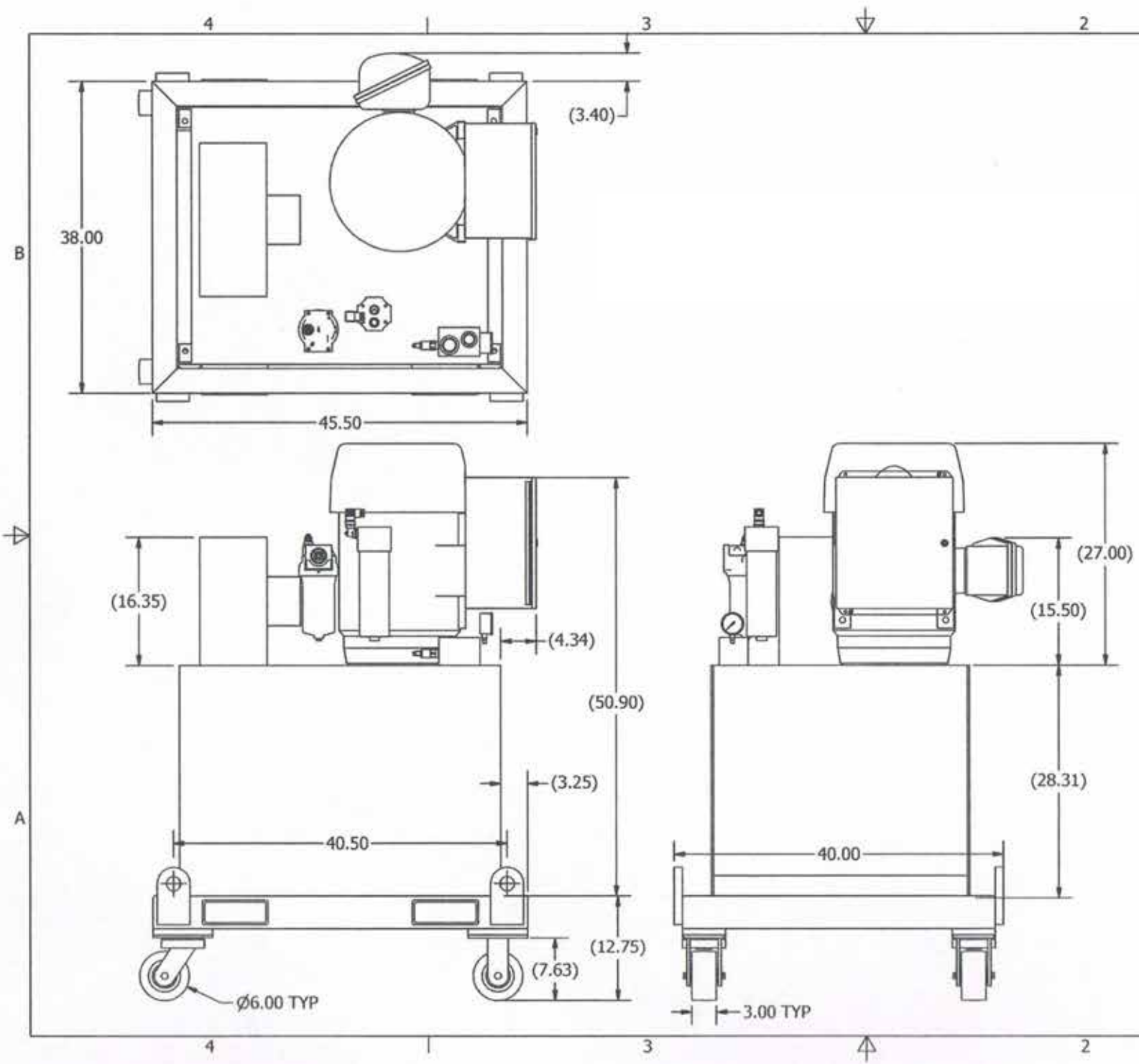


Electrical Panel

Reliable • Powerful • Energy Efficient



Power System Recovery
1482 East Valley Road- Suite 103
Santa Barbara, CA 93108



Extractor/HPU Plumbing Layout

