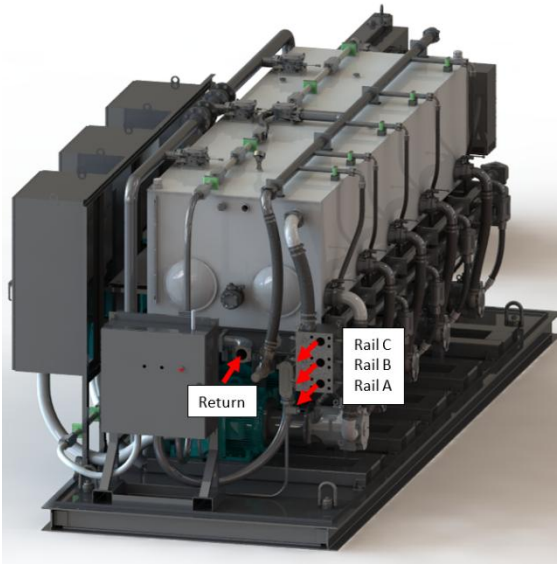
Hydraulic Power Unit

Features

- Hydraulic power supply currently configured with two rails, optional third rail plumbed
    - Rail A: One 200hp driving 270CC/Rev pump (5000psi and 132 gpm)
    - Rail B: Two 200hp motors each driving 140 CC/Rev pump (5000psi and 127gpm)
    - Rail C: Optional rail plumbed in, two open bays for additional pump/motor groups. Rail rated for 5000psi, flow dependent on user pump selection.
- Highly configurable system. Equipped with motor speed control (VFD) and variable displacement pumps. Plumbed with three pressure rails all rated and capable of 5000psi. Designed for five pump motor groups, currently configured with three that supply two rails. Mounting provisions exist for additional 2 pump motor groups.
- 1500-gallon reservoir
- US made. Uses the highest quality motors, pumps and VFDs
- Single HPU skid with remote cooling unit
- Indoor/outdoor rated
- Very little use (estimated 650 hrs)

Control Method

- The unit is PLC controlled and web interfaceable.



Specifications

Calculated Total System Weight with Oil (see lifting section for breakdown)	38,400 lbf
Overall Dimensions	
HPU	288" x 129" x 114" (L x W x H)
Oil Cooling Radiator Assembly	83" x 44" x 76" (L x W x H)
Hydraulic Oil	1500 gallons Shell Tellus S2 MX32 Hydraulic Oil (previously used, drained)
Pressure Rails	
Maximum System Pressure Rating (all rails)	5000psi
Rail A	127gpm and 5000psi. Limited by 200hp motor and single pump (1X 270 CC/Rev pump driven by one 200hp motor)
Rail B	132gpm and 5000psi. Limited by 200hp motor for each pump (2X 140 CC/Rev pumps driven by one 200hp ea.)
Rail C	No motor/pump sets in place, can accommodate 2 additional
Cooling Capacity	332hp [248kW] of heat dissipation @ 124gpm and full radiator fan speed Oil temperature will be controlled within 100-180°F (ideal target 120-140°F) Separate cooling skid
Filtration	
Cooling and Filtration Loop	5 micron filter
Return Filter	3x 10 micron filters in parallel NOTE: All filters have a pressure switch to indicate fouling, a 35psi bypass, and drop tube with a magnetic core
Required Oil Cleanliness	NAS 1638 Class 8 cleanliness level (ISO 4406 19/17/14) or better
Ambient Conditions	Indoor/outdoor rated -20 to 110°F Up to 5000ft elevation without derate