

## FEATURES AND BENEFITS

### HPU Special Power Units

**BREL X** Storm Brakes are spring set, hydraulically released equipment. Hydraulic pressure is provided by HPU power unit.

Remote External Power Unit is designed to operate all spring set Storm Brakes and is mounted in proximity to the brake. With extensive experience in design and manufacturing of the Storm Brakes, we are able to custom design Hydraulic Power System to meet customer's special requirements.

#### MOST IMPORTANT FEATURES – External Power Unit

- Fully contained in a robust Stainless Steel enclosure with quality door locks
- Oil Catch Basin c/w manual valve drain within the enclosure
- Hydraulic system does not require continuous pump operation
- All valves and/or solenoid coils are easily accessible to be replaced without disassembly of other mechanical or electrical hydraulic power unit components
- Two way on-off poppet valve with high flow capacity & "zero-leakage"
- Normally open solenoid valve with manual over-ride and DIN connector (LED indication optional)
- Flow Control Valve to provide adjustable clamp set time up to 30 seconds
- CSA, UL approved, NEMA 4X Stainless Steel Junction Box
- Noncorrosive Seamless Aluminum anodized Hydraulic Tank
- Temp-Level Switch for temperature and low oil level signal
- Pressure Switch for motor / pump control
- Relief valve pressure is set at app. 125% above operating pressure
- All hydraulic fittings with zinc plated coating for corrosion protection (Stainless Steel option available)
- CSA, UL approved components

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**HPU-DRB-J specially designed to operate DRB-J model of Dynamic Rail Brakes**

- J model with capability to jack one corner of the crane for a wheel replacement
- Each Rail Brake has its own Power Unit for customized operation
- No long hoses/ 4 brakes and 4 power units
- Push button box supplied to give an operator automatic control of all brakes from the operator's cab
- 4 Green/Red lights in cab indicates ready to run
- Built in GPS for positioning
- Auto-set for Over 100% speed
- Auto-set for fast approach to end stops
- Auto-set for gantry in active for 5-20 minutes
- Auto-set for wind high speed (Tie to anemometer)
- Can integrate into existing PLC or supply turnkey
- Turnkey includes PLC control system and GPS receiver
- Selector Switch in each power unit for three different control modes: Operator, Jack or Local
- In each power unit, there are Local jacking controls to raise and lower controls for each brake
- An override selector switch located in the PLC cabinet is for maintenance or troubleshooting

**HPU for very aggressive environment**

- Special power unit with reservoir isolator to provide protection against the ingestion of airborne contaminants into your hydraulic system through the reservoirs breather vent

**Hydraulic Power unit WB-RB -HPU to release wheel brake – rail brake system**

- Special design Power Unit to operate Wheel Brake and Rail equipped with a large accumulator for fast rail brakes and wheel brakes release times

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