



**Description:** Skid mounted, electric hydraulic power unit, for operation of casing and tubing tongs

**Standard Specifications:**

- Electrical components and wiring meet Class 1., Div. 1 (explosion proof)
- Starter box for electric motor, start and stop buttons, service disconnect, motor reset button, power on lamp, running lamp, less power cable
- Remote start/stop enclosure, start and stop buttons, running lamp, with 100' electrical cable wired to starter box
- Electric motor, dual rated for 60/50 HP, 460/380 VAC, 3 phase, 60/50 Hz, 1800/1500 RPM, with 120 VAC space heater
- Gear pump for tong open center circuit, high/low valves to deliver:  
60 GPM up to 1000 PSI, then 18 GPM up to 3000 PSI (60 Hz), 3500 PSI relief valve setting  
50 GPM up to 1000 PSI, then 15 GPM up to 3000 PSI (50 Hz)  
or  
60 GPM up to 1000 PSI, then 24 GPM up to 2500 PSI (60 Hz), 2650 PSI relief valve setting  
50 GPM up to 1000 PSI, then 20 GPM up to 2500 PSI (50 Hz)
- System relief valve with 3500 PSI maximum setting
- 0 to 5000 PSI pressure gauge
- Casing/tubing mode selector valve
- Hydraulic reservoir with baffle, level gauge, oil temperature gauge, cleanout cover, suction strainer with isolation ball valve, return filter, return pressure gauge, temperature switch, low level switch, drain port with ball valve, filler breather
- Air over oil heat exchanger driven by electric motor
- Oilfield type base skid with drip pan, drain ports, fork lift pockets
- Lift cage with hose basket
- Dimensions: Length: 110", Width: 48", Height: 62", Weight: 3800 lbs (no fluid in tank)

**Options:**

- Water over oil heat exchanger, Immersion heater in reservoir
- Power cable wired to starter box
- Dual motor power unit
- Class 1, Div. 2 or other electrical requirements
- Lift test and magnetic particle inspection

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## Electric Hydraulic Power Unit for Casing and Tubing Tongs