

DUAL ELECTRIC POWER UNIT

The dual electric power unit was constructed to satisfy the increasing demands for flexible power units with a high degree of reliability. By using constant horsepower variable displacement pumps, a unit was constructed to satisfy the needs of casing tongs, tubing tongs and the Hawkjaw drill pipe tool. Reliability was increased by the use of two identical pump/motor combinations. Either pump can be used independently of the other in the event of a failure. Using both pumps, casing tongs can operate at full speed and achieve full torque. Using either pump independently allows casing tongs to achieve full torque at a reduced speed. The tubing tongs and Hawkjaw will run in normal mode with either pump. These units are in compliance with requirements set forth for Class 1, Division 1 locations.



Dimensions & Specifications	
Length: 96	
Width: 75"	
Height: 64"	
Weight: 8000 lbs.	
Maximum flow: 68 GPM	Pump 1: 34 GPM @ 2950 psi (Use for Tubing Tongs & Casing Tongs)
Maximum Pressure: 3000 psi	Pump 2: 34 GPM @ 2600 psi (Use for Hawk Jaw & Casing Tongs)
Electrical: 480 volts, 60 cycle, and 3-phase power	150 Amp service
Hydraulic Tank Capacity: 150 gallons US	7 gallons/inch of reservoir depth
Prime Power: 2 - 40 hp explosion proof electric motors	

For more information call 1 -800-833-7265 or e-mail info@frankscasing.com

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Oil Cooler

- * Two pass air-cooler with an explosion proof electric motor.
- * A Thermal Switch in the oil reservoir activates the cooling fan.
- * Start up temperature is 130 degrees F.
- * The Cooler may be activated manually by using the three-way selector switch installed in the control panel door.

Hydraulic Oil Heater

- * A 6 KW immersion type oil heater with integral thermostat is mounted on the right lower corner of the oil reservoir. Maximum thermostat setting is 100 degrees F.

Hoses

- * Two 50' X 1" two wire braid hydraulic hoses with quick disconnect (female) coupling Pressure.
- * Two 50' X 1 1/4" two wire braid hydraulic hoses with quick disconnect (male) coupling Return.
- * One 50' X 1" two wire braid hydraulic hose with quick disconnect coupling-Spare.
- * 1 each - Return port for equipment case drain hoses

Electrical Connections

- * The unit is equipped with 100' power cord and a remote start/stop pendant also with 100' cord.
- * The unit should be hooked to a 480V, 3 phase, 60 hz electrical supply by a qualified electrician

Lifting Procedures

- * The dual electric power unit can be lifted with either a forklift truck or overhead crane with a 4-part sling. Each corner of the frame has a padeye drilled for a 7/8" shackle.

