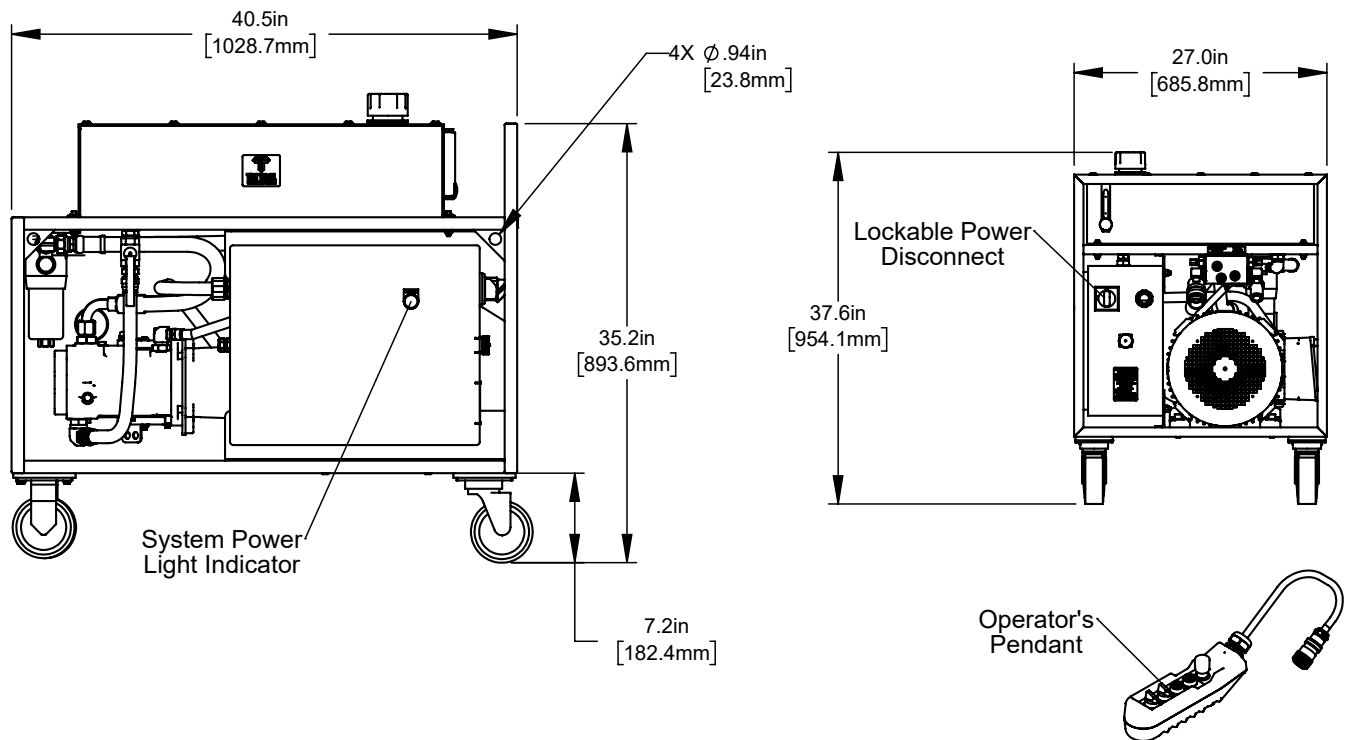


TECHNICAL SPECIFICATION MODEL 765RVC2 HYDRAULIC POWER SOURCE

The 765RVC2 Remote Volume Control Hydraulic Power Source is a variable-volume (0 GPM to 15 GPM), pressure-responsive (0 PSI to 1800 PSI), reversible-flow power unit for supplying hydraulic power to cutting and weld end preparation pipe lathes with integral hydraulic motors. A low voltage (24 volts) pendant provides E-stop, stop, start, volume control, and forward/neutral/reverse flow direction control. The pendant allows operation up to 200 feet away from the power supply by addition of an extension cable and 200-foot hydraulic hoses. For portability, the power supply is integrated into a cart frame with wheels.

Specifications

Reference Envelope Drawing No. 77-1848



Physical Parameters

Weight (approx.)

880 lbs (399 kg) with oil

750 lbs (340 kg) without oil

Primary Power

15HP, 3-phase, 480 VAC 50/60 Hz, 20 Amps

15HP, 3-phase, 240 VAC 50/60 Hz, 40 Amps

(Voltage may be changed to 240 VAC or 380 VAC. Not recommended for field change; requires circuit breaker change, fuse change, and motor wiring change.)

For safety, the supply conductor overcurrent protection device must be provided by the end use facility. Sizing of the device should be in accordance with the electrical codes and should protect the supply wiring.

Electric Control

- Magnetic starter with 24 VDC starting coil and overload protection circuit breaker.
 - Remote pendant with E-Stop, Stop/Start functions, Variable Volume Control, and Forward/Neutral/Reverse Control.
 - Lockable power disconnect.
 - Power light indicator.
 - The Pendant is supplied with a 25' (7.6m) cable that connects to the Control Box.
 - The addition of extension cables can add up to 200' (61m). *(Sold separately)*
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Hydraulic Characteristics

Variable Volume: 0 gpm (0 L/s) to 15 gpm (.94 L/s)

Operation below 3 gpm (.2 L/s) is not recommended. The pump capacity is actually 0 gpm (0 L/s) to 22 gpm (10 L/s). However, operating pressure must be limited to 1000 PSI (68.9 Bar) at flow over 15 gpm (.94 L/s) to avoid overloading the electric motor.

Volume Control

Pendant rheostat with the integrated Electric Displacement Control (EDC) Pump.

Pressure

0 PSI (0 kPa) to 1800 PSI (124.1 bar) forward.

0 PSI (0 kPa) to 1800 PSI (124.1 bar) reverse.

Hydraulic Reservoir

18 gal (68 L).

The reservoir includes level and temperature gauge.

Hydraulic Fluid Compatibility

Petroleum base hydraulic fluids, Type F.

Hydraulic Heat Exchanger

24VDC air-cooled heat exchanger.

Hydraulic Filtration

9µm high-pressure filter with visual indicator.

100 wire mesh suction filter.

Note To The Customer

Spare Parts and Standard Tool Bits are available from stock. Engineering design services for custom tool bits and special function modifications are available from the factory.

All Tri Tool Technologies and allied equipment products are subject to design improvements and specification changes at any time with no obligation to units already sold.

Warranty (limited): Parts and equipment are warranted against defects in material and workmanship for a period of one (1) year from date of purchase. Full details supplied on request and/or with the tools.



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