

TRI TOOL INC.
TECHNICAL SPECIFICATIONS
MODEL 757RSS
APRIL, 1995

MODEL 757RSS HYDRAULIC POWER SOURCE

The Model 757RSS (remote start/stop) Hydraulic Power Supply is a variable-volume (0 GPM to 12 GPM), pressure-responsive (0 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 start/stop control. The pendant allows operation up to 100 feet away from the power supply by addition of an pendant extension cable and 100 foot hydraulic hoses. For portability, the power supply is integrated into a cart frame with wheels and casters. The attached envelope drawing shows configuration and dimensions.

Specifications

1. Primary Power:
 - a. 7.5 HP, 3-phase, 460 VAC, 50/60 Hz motor
(Voltage may be changed to 240 or 380 VAC – Not recommended for field change)

2. Electrical Control Features:
 - a. Magnetic starter with 24 VAC starting coil and overload protection circuit breaker.

 - b. Start/stop function is controlled with a 24 VAC remote pendant. The flow and volume control is provided by a PTO cable on the unit. The pendant is supplied with a threaded ring connector for addition of extension cables up to 105 feet.

3. Hydraulic Characteristics:

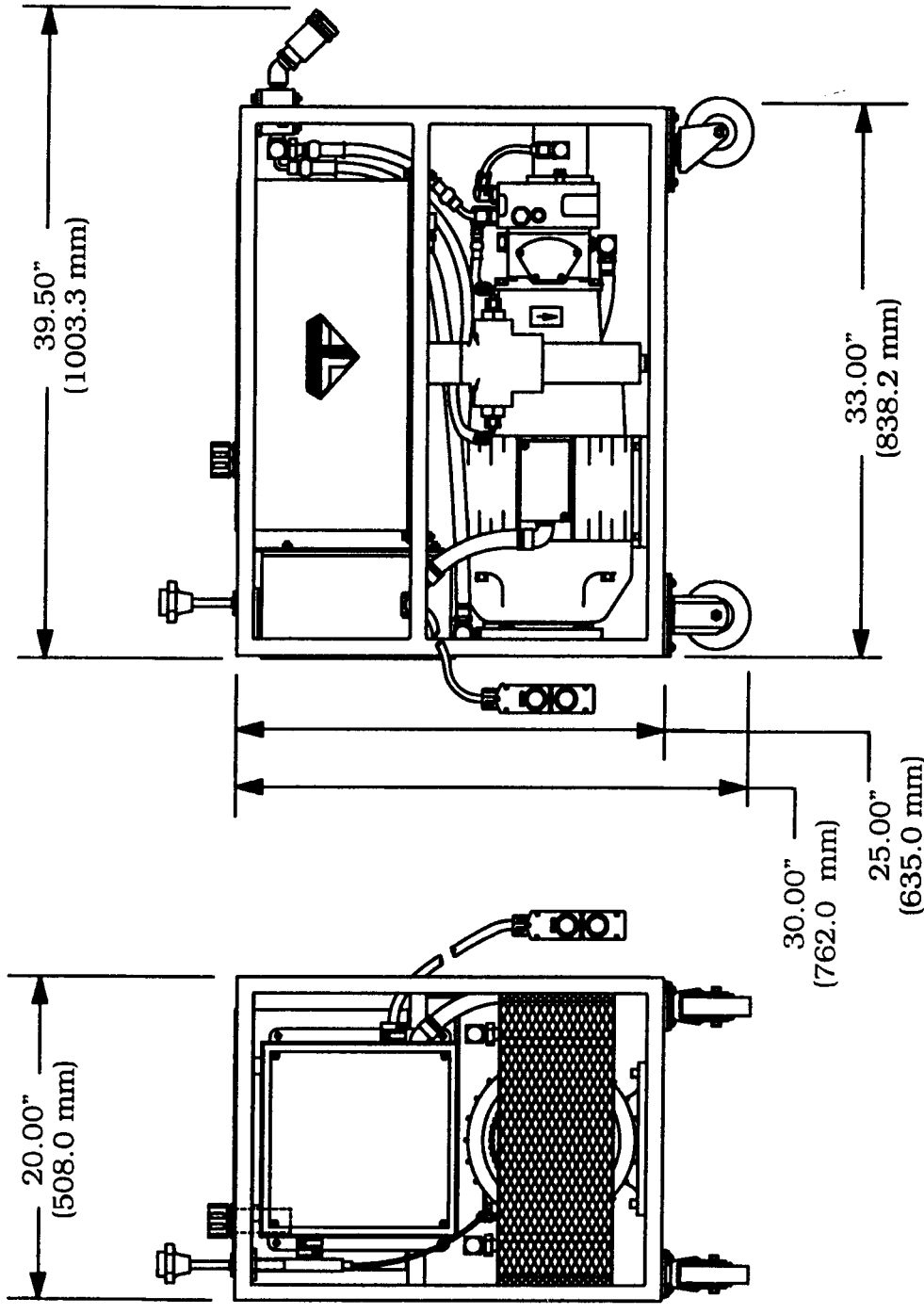
a. Variable volume	O to 12 GPM at 1800 PSI (Operation below 2 GPM not recommended.)
NOTES:	Maximum flow capacity on 380 VAC 50 HZ, 3 phase power is 10 GPM.
b. Volume control-	PTO cable
c. Pressure-0 to 1800 PSI.	The hydraulic pump has been selected to provide


optimum pressure response to cutting loads generated by pipe lathes.

- d. Pilot-operated by-pass (pressure limiting) valves (2) are included in the forward and reverse flow lines.
 - e. "Loop" filtration to prevent contamination from circulating through pump.
 - f. Tank suction line filter.
4. Cooling:
- a. Heat exchanger in reservoir return line.
5. Hydraulic Reservoir:
- a. Capacity-11 gallons (41 Liters).
 - b. Includes level and temperature gauge.
6. Hydraulic Fluid Compatibility:
- a. Petroleum-base hydraulic fluids.
 - b. Ethylene glycol/water based fluids (Contact the factory regarding specifics of operation on this type fluid.)
7. Hydraulic Hoses: MUST BE PURCHASED SEPARATELY
8. Primary Power Connection:
- a. Customer responsible for power connection cord and any disconnect switches required by local codes.
9. Part Numbers:
- a. 01-0757----- Model 757RSS Basic Power Supply
 - b. 05-0224----- 25 FT. Hose and pendant extension cable kit.
Includes (1) ea. 25' pressure hose, (1) ea. 25' return hose and (1) ea. 30'
pendant extension cable assy.)
 - c. 05-0225----- 50 FT Hose and pendant extension cable kit.
(Includes (1) ea. 50' pressure hose, (1) ea. 50' return hose and (1) ea. 55'
pendant extension cable assy.)

- d. 05-0226----- 100 FT Hose and pendant extension cable kit.
(Includes (2) ea. 50' pressure hose, (2) ea. 50' return hose and (1) ea.105'
pendant extension cable assy.)
- e. 75-0089----- Filter, element (primary loop)
- f. 75-0007----- Filter, cartridge (suction).

Spare parts are available form stock. Engineering design services for special function modifications are available from the factory .



 TRI TOOL INC. 3806 SECURITY PARK DRIVE, RANCHO CORDOVA, CA 95742-6890		Envelope Drawing Model 757RSS, Hydraulic Power Supply	
CONTRACT NO.	APPROVALS	DATE	REV.
	DRAWN PFAFMAN		A
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	ISSUED		REV.
DO NOT SCALE DRAWING		SCALE None	SHEET 1 of 1

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