# HSP Series | Gasoline Direct Drive

The HSP Series features a patented Electro Magnetic Firing (EMF) system which eliminates the need for a 12V battery to operate the burner. The top-fired heat exchanger is designed for easy maintenance.







#### Pump

- Direct drive triplex piston AR or Mi-T-M pump with ceramic plungers
- Stainless-steel and brass unloader valve, preset
- Forged brass mainfold
- Thermal relief valve
- Low pressure detergent injector (Available as an option on HSP-2503-0MMH)

#### Engine

- Performance proven engine with low-oil protection

#### Frame

- Reinforced powder coated steel tube frame with center balanced lifting hook
- Flat-free tires

#### Components

- Top-fired powder coated heat exchanger
- No. 1 or No. 2 diesel or kerosene fired burner (Not approved for bio-fuel)

### Miscellaneous

- Temperature rise 150°F/66°C above ambient, maximum outlet temperature is 200°F

### **Unit Includes:**

- Quick connect nozzles 0°, 15°, 25° and 40°
- 50-foot x <sup>3</sup>/<sub>8</sub>-inch steel wire-braided high pressure hose with quick connects, swivel and bend restrictors
- Adjustable pressure insulated dual lance
- Insulated trigger gun with safety lock-off





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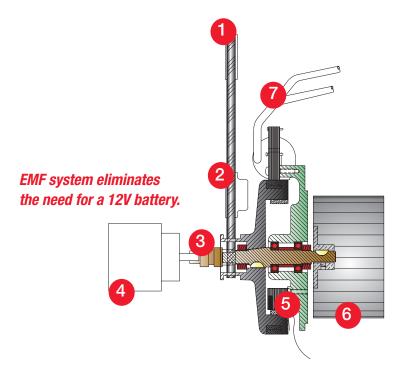


Model Number	PSI	GPM	Displacement/Engine	Pump	Engine Fuel Tank Capacity	Burner Fuel Tank Capacity	Burner Fuel Consumption	BTU per hour	Dimensions (LxWxH)	Ship Wt.	Net Wt.
HSP-2503-0MMH	2500	2.6	196cc Honda GX200 OHV	Mi-T-M	0.95 gallon	4.0 gallons	1.53 gph	210,000	43x29.5x36.5in.	411 lb.	295 lb.
HSP-3003-3MGH	3000	2.9	270cc Honda GX270 OHV	AR, external bypass	1.59 gallons	5.5 gallons	1.84 gph	253,000	43x30x41in.	530 lb.	407 lb.
HSP-3504-3MGH	3500	3.3	389cc Honda GX390 OHV	AR, external bypass	1.70 gallons	5.5 gallons	2.14 gph	294,000	43x30x41in.	551 lb.	428 lb.
HSP-3504-3MGK	3500	3.3	429cc Kohler CH440 OHV	AR, external bypass	1.70 gallons	5.5 gallons	2.14 gph	294,000	43x30x41in.	551 lb.	428 lb.

Options:					
Part Number	Description	Fits Models			
HX-0098	Electric start (Battery included) - For easy starting	HSP-3504-3MGH			
HX-0233	Adjustable thermostat - Operator is able to adjust outlet water temperature between 98°-248°F	HSP-2503-0MMH			
HX-0234	Low pressure detergent injector - Allows the user to apply the recommended detergents	HSP-2503-0MMH			
HX-0236	Hour meter - Displays the number of hours unit has been in operation	HSP-2503-0MMH			
HX-0250	Adjustable thermostat - Operator is able to adjust outlet water temperature between 98°-248°F	3000 to 3500-PSI models			

Accessories:					
Part Number	Description	Fits Models			
20-0464A52	Rain cap - Protects boiler from moisture build-up when unit is left outside	3000 & 3500-PSI models			
50-0161	High pressure detergent injector - High pressure water mixes with detergent to clean even the heaviest build-up	All models			
850-0433	50-ft. x %-inch high pressure hose - For when you need extra hose for added mobility	3500-PSI models			
851-0262	50-ft. x %-inch high pressure hose - For when you need extra hose for added mobility	2500 to 3000-PSI models			

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## Patented Electro Magnetic Firing (EMF) System

- 1. Engine sheave, dual set screw mount, maintains proper alignment of pump shaft key.
- 2. The belt tension sheave creates proper belt tension so fuel pump discharges fuel upon demand.
- The long lasting, non-corrosive flexible drive coupler protects the EMF system if fuel pump locks up.
- Fuel pump is a durable high quality pump that will deliver No. 1 or No. 2 diesel fuel or kerosene.
- 5. Stator coil/magnets are a low maintenance system that provides solenoid control voltage.
- 6. Fan provides burner air for proper combustion and clean exhaust smoke. It has an easily accessible air flow control.
- 7. Ignition coil provides voltage to electrodes for proper spark voltage, allowing accurate ignition of fuel every time the trigger is pulled. The ignition coil has a long life, is easily replaced and has a proven track record in the industry.