

# Hot Water Electric Direct/Belt Drive

## HSE Series

If you're looking for a hot water unit with large volume capacity, look no further. The HSE Series works great in industrial applications requiring 20 or more hours per week and is built for longevity. The top-fired heat exchanger is energy efficient and designed for convenient troubleshooting.

### Pump

- Direct or belt drive triplex General or AR pump with ceramic plungers
- Stainless-steel and brass unloader valve
- Forged brass manifold
- Thermal relief valve
- High pressure detergent injection (low pressure on HSE-1002-2M11)

### Motor

- Totally enclosed fan-cooled electric motor with manual thermal overload protection
- 35-foot power cord with in-line GFCI which meets required CSA certification (GFCI not available on 3000 & 3500-PSI models)
- Solid state electronic ignition

### Frame

- Reinforced powder coated steel tube frame with center balanced lifting hook
- Powder coated steel hose reel mounting bracket
- Electric cord hanger
- Powder coated steel gun/wand holder
- Solid steel threaded axles
- Four pneumatic tires with tubes
- Locking tire brake

### Components

- Energy-efficient top-fired heat exchanger designed for convenient troubleshooting and easy maintenance
- High-quality fuel filter/water separator ensures clean fuel supply
- Heavy-duty dual cogged belt drive system to prevent slippage (Belt drive models)
- Complete system diagnostic board
- Float tank (Not available on HSE-1002-2M11)
- Pressure and high limit safety controls
- No. 1 or No. 2 diesel or kerosene fired burner (Bio-fuel not approved at this time)
- Polyethylene burner fuel tank
- Easy coil drain helps prevent freezing in cold weather

### Unit Includes

- 50-foot x 3/8-inch steel wire-braided pressure hose with screw connects, swivel and bend restrictors
- Professional-grade insulated trigger gun with safety lock-off
- Adjustable pressure insulated dual lance with 15° fixed and detergent nozzle



HSE-1002-2M10

### Miscellaneous

- Temperature rise 150°F/66°C above ambient, maximum outlet temperature is 200°F
- Water output temperature is 190°-200°F (Excludes HSE-1002-SM12)
- Water output temperature for "wet" steam is approximately 250°F (HSE-1002-SM12)
- Operates at 650-PSI in "wet" steam mode (HSE-1002-SM12)

### Warranties

**1** YEAR LIMITED WARRANTY  
**3** YEAR LIMITED WARRANTY  
**7** YEAR LIMITED WARRANTY

ELECTRIC MOTOR WARRANTY    COIL WARRANTY    PUMP WARRANTY

### DIRECT DRIVE MODELS

Model Number	PSI	GPM	HP/Motor	Plug Type	Burner Fuel Tank Cap.	Burner Fuel Cons.	BTU Per Hour	Dimensions (LxWxH)	Ship Wt.	Net Wt.
HSE-1002-2M11*	1000	2.0	1.5 HP, 120V, 1Ø, 15.0A	NEMA 5-15P	4.0 gallon	1.33 gph	186,000	34in.x29in.x33in.	368 lbs.	245 lbs.
HSE-1002-2M10	1000	2.0	1.5 HP, 120V, 1Ø, 15.0A	NEMA 5-15P	4.0 gallon	1.33 gph	186,000	34in.x29in.x33in.	368 lbs.	245 lbs.
HSE-1002-SM12^	1000	2.0	1.5 HP, 120V, 1Ø, 15.0A	NEMA 5-15P	4.0 gallon	1.33 gph	186,000	34in.x29in.x33in.	368 lbs.	245 lbs.
HSE-1502-2M10	1500	2.0	2.0 HP, 120V, 1Ø, 19.0A	NEMA 5-20P	4.0 gallon	1.33 gph	186,000	34in.x29in.x33in.	373 lbs.	250 lbs.
HSE-2003-2M10	2000	2.8	4.0 HP, 230V, 1Ø, 18.0A	NEMA 6-20P	4.0 gallon	1.53 gph	214,000	34in.x29in.x33in.	393 lbs.	270 lbs.

\*Low pressure detergent injection.

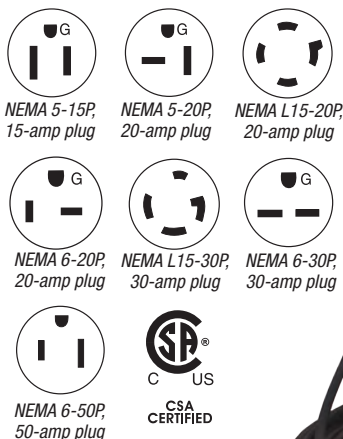
^Combination wet steam cleaner/pressure washer.

### BELT DRIVE MODELS

Model Number	PSI	GPM	HP/Motor	Plug Type	Burner Fuel Tank Cap.	Burner Fuel Cons.	BTU Per Hour	Dimensions (LxWxH)	Ship Wt.	Net Wt.
HSE-2504-0M10	2500	3.2	6.0 HP, 230V, 1Ø, 25.0A	NEMA 6-30P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	699 lbs.	569 lbs.
HSE-2504-0M30	2500	3.2	6.0 HP, 230-460V, 3Ø, 16.0A	NEMA L15-20P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	688 lbs.	558 lbs.
HSE-3004-0M10	3000	3.5	8.0 HP, 230V, 1Ø, 36.0A	NEMA 6-50P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	737 lbs.	607 lbs.
HSE-3004-0M30	3000	3.5	8.0 HP, 230-460V, 3Ø, 24.0A	NEMA L15-30P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	732 lbs.	602 lbs.
HSE-3504-0M10	3500	3.3	10.0 HP, 230V, 1Ø, 39.0A	NEMA 6-50P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	761 lbs.	631 lbs.
HSE-3504-0M30	3500	3.3	10.0 HP, 230-460V, 3Ø, 28.0A	NEMA L15-30P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	742 lbs.	612 lbs.

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## HSE Series



HSE-3004-0M10

**OPTIONS**

Part Number	Description	Fits Models
HX-0050	<b>Auto start/stop</b> - When trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart	HSE-1002-2M11 & 1002-2M10 & HSE-1502-2M10
HX-0051	<b>Auto start/stop</b> - When trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart	HSE-2003-2M10
HX-0052	<b>Auto start/stop - steam</b> - Auto start/stop option - when trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart; <b>Steam option</b> - reduces pressure to 350-PSI by adjusting unloader valve counter-clockwise, spray temperatures will rise 240°F above ambient with a maximum of 300°F	HSE-1002-2M11 & HSE-1002-2M10
HX-0053	<b>Auto start/stop - steam</b> - See HX-0052 for option description	HSE-1502-2M10
HX-0054	<b>Auto start/stop - steam</b> - See HX-0052 for option description	HSE-2003-2M10
HX-0055	<b>Auto start/stop - CAD cell</b> - Auto start/stop option - when trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart; <b>CAD cell option</b> - monitors burner for proper ignition	HSE-1002-2M11 & 1002-2M10 & HSE-1502-2M10
HX-0056	<b>Auto start/stop - CAD cell</b> - See HX-0055 for option description	HSE-2003-2M10
HX-0057	<b>Auto start/stop - steam - CAD cell</b> - Auto start/stop option - when trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart; <b>Steam option</b> - reduces pressure to 350-PSI by adjusting unloader valve counter-clockwise, spray temperatures will rise 240°F above ambient with a maximum of 300°F; <b>CAD cell option</b> - monitors burner for proper ignition	HSE-1002-2M11 & HSE-1002-2M10
HX-0058	<b>Auto start/stop - steam - CAD cell</b> - See HX-0057 for option description	HSE-1502-2M10
HX-0059	<b>Auto start/stop - steam - CAD cell</b> - See HX-0057 for option description	HSE-2003-2M10
HX-0070	<b>Auto start/stop</b> - See HX-0050 for option description	2500 to 3500-PSI models
HX-0071	<b>Auto start/stop - steam</b> - See HX-0052 for option description	2500-PSI models
HX-0072	<b>Auto start/stop - steam</b> - See HX-0052 for option description	3000-PSI models
HX-0073	<b>Auto start/stop - steam</b> - See HX-0052 for option description	3500-PSI models
HX-0074	<b>Auto start/stop - CAD cell</b> - See HX-0055 for option description	2500 to 3500-PSI models
HX-0075	<b>Auto start/stop - steam - CAD cell</b> - See HX-0057 for option description	2500-PSI models
HX-0076	<b>Auto start/stop - steam - CAD cell</b> - See HX-0057 for option description	3000-PSI models
HX-0077	<b>Auto start/stop - steam - CAD cell</b> - See HX-0057 for option description	3500-PSI models
HX-0085	<b>460V</b> - Upgrades 230V 3-phase models to operate at 460V 3-phase	HSE-2504-0M30
HX-0086	<b>460V</b> - Upgrades 230V 3-phase models to operate at 460V 3-phase	HSE-3004-0M30
HX-0087	<b>460V</b> - Upgrades 230V 3-phase models to operate at 460V 3-phase	HSE-3504-0M30
HX-0088	<b>Skid feet</b> - Stationary applications	2500 to 3500-PSI models
HX-0161	<b>Hour meter</b> - Displays number of hours unit has been in operation	2000 to 3500-PSI models
HX-0214	<b>Hour meter</b> - Displays number of hours unit has been in operation	1000 to 1500-PSI models
TX-1004-W	<b>Puncture-proof tires</b> - Tires are flat-free and maintenance-free, 10-inch, white hub, four tires	1000 to 2000-PSI models
TX-1304-W	<b>Puncture-proof tires</b> - Tires are flat-free and maintenance-free, 13-inch, white hub, four tires	2500 to 3000-PSI models