

Hot Water Electric Direct/Belt Drive

HSE Series

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 Mi-T-M pump with ceramic plungers
- Stainless-steel and brass unloader valve
- Forged brass manifold
- Thermal relief valve
- High pressure detergent injection (Available as an option on OMM11 models)

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 (Belt drive models)
- Electric cord hanger
- Powder coated steel gun/wand holder
- Solid steel threaded axles (2500 to 3500-PSI models)
- Four pneumatic tires with 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 OMM11 models)
- 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

Units Include:

- Quick connect nozzles (0°, 15°, 25° and 40°) (1000 to 2000-PSI models)
- 15° fixed and detergent nozzle (2500, 3000 & 3500-PSI models)
- 50-foot x 3/8-inch steel wire-braided pressure hose with quick connects, swivel and bend restrictors (Screw connects on 2500 to 3500-PSI models)
- Professional-grade insulated trigger gun with safety lock-off
- Adjustable pressure insulated dual lance

Redesigned Direct Drive Models



HSE-2003-OMG10

Miscellaneous

- Temperature rise 150°F/66°C above ambient, maximum outlet temperature is 200°F
- Water output temperature is 190°-200°F

Warranties

1 YEAR LIMITED ELECTRIC MOTOR WARRANTY
3 YEAR LIMITED COIL WARRANTY
7 YEAR LIMITED PUMP WARRANTY

DIRECT DRIVE MODELS

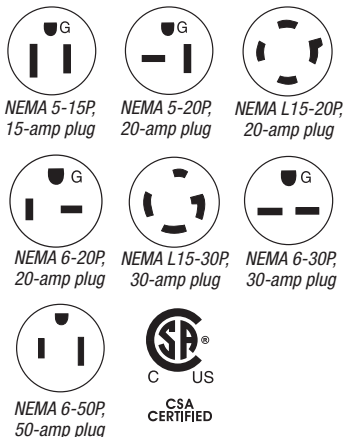
MODEL NUMBER	PSI	GPM	HORSEPOWER/MOTOR	PUMP	PLUG TYPE	BURNER FUEL TANK CAP.	BURNER FUEL CONS.	BTU PER HOUR	DIMENSIONS (LxWxH)	SHIP WT.	NET WT.
HSE-1002-OMG10	1000	2.0	1.5 HP, 120V, 1Ø, 15.0A	General	NEMA 5-15P	4.0 gallon	1.33 gph	186,000	43in.x29.5in.x36.5in.	418 lb.	295 lb.
HSE-1002-OMM11	1000	2.0	1.5 HP, 120V, 1Ø, 15.0A	Mi-T-M	NEMA 5-15P	4.0 gallon	1.33 gph	186,000	43in.x29.5in.x36.5in.	410 lb.	237 lb.
HSE-1502-OMG10	1500	2.0	2.0 HP, 120V, 1Ø, 19.0A	General	NEMA 5-20P	4.0 gallon	1.21 gph	169,000	43in.x29.5in.x36.5in.	422 lb.	299 lb.
HSE-1502-OMM11	1500	2.0	2.0 HP, 120V, 1Ø, 19.0A	Mi-T-M	NEMA 5-20P	4.0 gallon	1.21 gph	169,000	43in.x29.5in.x36.5in.	414 lb.	291 lb.
HSE-2003-OMG10	2000	2.8	4.0 HP, 230V, 1Ø, 18.0A	General	NEMA 6-20P	4.0 gallon	1.53 gph	214,000	43in.x29.5in.x36.5in.	439 lb.	316 lb.
HSE-2003-OMM11	2000	2.8	4.0 HP, 230V, 1Ø, 18.0A	Mi-T-M	NEMA 6-20P	4.0 gallon	1.53 gph	214,000	43in.x29.5in.x36.5in.	431 lb.	308 lb.

BELT DRIVE MODELS

MODEL NUMBER	PSI	GPM	HORSEPOWER/MOTOR	PUMP	PLUG TYPE	BURNER FUEL TANK CAP.	BURNER FUEL CONS.	BTU PER HOUR	DIMENSIONS (LxWxH)	SHIP WT.	NET WT.
HSE-2504-OM10	2500	3.2	6.0 HP, 230V, 1Ø, 25.0A	General	NEMA 6-30P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	699 lb.	569 lb.
HSE-2504-OM30	2500	3.2	6.0 HP, 230-460V, 3Ø, 16.0A	General	NEMA L15-20P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	688 lb.	558 lb.
HSE-3004-OM10	3000	3.5	8.0 HP, 230V, 1Ø, 36.0A	General	NEMA 6-50P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	737 lb.	607 lb.
HSE-3004-OM30	3000	3.5	8.0 HP, 230-460V, 3Ø, 24.0A	General	NEMA L15-30P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	732 lb.	602 lb.
HSE-3504-OM10	3500	3.3	10.0 HP, 230V, 1Ø, 39.0A	General	NEMA 6-50P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	761 lb.	631 lb.
HSE-3504-OM30	3500	3.3	10.0 HP, 230-460V, 3Ø, 28.0A	General	NEMA L15-30P	10.0 gallon	2.10 gph	294,000	49.5in.x28in.x40.5in.	742 lb.	612 lb.

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HSE Series



HSE-3004-0M10

OPTIONS PART NUMBER	DESCRIPTION	FITS MODELS
50-0161	High pressure detergent injector - High pressure water mixes with detergent to clean even the heaviest build-up	1000 to 2000-PSI models
HX-0070	Auto start/stop - When trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart	2500 to 3500-PSI models
HX-0071	Auto start/stop - steam - Auto start/stop option - when trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart; Steam option - 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	2500-PSI models
HX-0072	Auto start/stop - steam - See HX-0071 for option description	3000-PSI models
HX-0073	Auto start/stop - steam - See HX-0071 for option description	3500-PSI models
HX-0074	Auto start/stop - CAD cell - Auto start/stop option - when trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart; CAD cell - monitors burner for proper ignition	2500 to 3500-PSI models
HX-0075	Auto start/stop - steam - CAD cell - Auto start/stop option - when trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart; Steam option - 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; CAD cell - monitors burner for proper ignition	2500-PSI models
HX-0076	Auto start/stop - steam - CAD cell - See HX-0075 for option description	3000-PSI models
HX-0077	Auto start/stop - steam - CAD cell - See HX-0075 for option description	3500-PSI models
HX-0085	460V - Upgrades 230V 3-phase models to operate at 460V 3-phase	HSE-2504-0M30
HX-0086	460V - Upgrades 230V 3-phase models to operate at 460V 3-phase	HSE-3004-0M30
HX-0087	460V - Upgrades 230V 3-phase models to operate at 460V 3-phase	HSE-3504-0M30
HX-0088	Skid feet - Stationary applications	2500 to 3500-PSI models
HX-0161	Hour meter - Displays number of hours unit has been in operation	2500 to 3500-PSI models
HX-0232	Steam - 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-1002-0MG10 & HSE-1502-0MG10
HX-0233	Adjustable thermostat - Operator is able to adjust outlet water temperature	1000 to 2000-PSI models
HX-0235	Hour meter - Displays number of hours unit has been in operation	1000 to 2000-PSI models
HX-0237	Auto start/stop - When trigger gun is released, the timer will turn unit off; when trigger gun is pulled unit will restart	1000 to 2000-PSI models
HX-0238	Time delay shutdown - Timer will shut unit off automatically when trigger gun is released and timer reaches setting	1000 to 2000-PSI models
HX-0239	Steam - See HX-0232 for option description	HSE-1002-0MM11 & HSE-1502-0MM11
HX-0240	Steam - See HX-0232 for option description	HSE-2003-0MG10
HX-0241	Steam - See HX-0232 for option description	HSE-2003-0MM11