

## DATA SHEET

## PUMP SETS



Fuel Oil Pump Sets are used to move fuel oil from a main storage tank to a point of use. In mission critical applications, this is usually to generators or boilers. Pump sets are available in simplex (single pump) or duplex (two pumps) configurations typically, but custom configurations are available. Critical Fuel Systems pump sets are available as pumps only (X), pumps with motor starters and relay controls (Y) and complete PLC based control systems (Z).



Features	Benefits
Permanent Alignment / Flexible Couplings	Increased life of pump and motor combination
Simplex Inlet Strainers	Protects the pumps from debris
Inlet and Outlet normal port ball lockable valves (UL842)	Allows full pump and motor isolation, lockable for safety.
Suction and Discharge Pressure Gauges (ASME B40.100 Grade A)	Allows monitoring of pump operation
External Relief Valves (UL842)	Protects overall system from overpressure and protects pumps from overheating
Check Valves	Maintains proper flow direction
Isolation valves on pressure gauges	Allows removal of pressure gauges during operation
Welded Steel base with drip pan (AWS D1.1)	Protects from leaks and forms structural support to pump set
Air tested for leaks, with a full operational pump test before shipment	Trouble free startup and long service life

### Options:

Duplex Strainers	Specialty Ball Valves (Carbon Steel, API 607 –Fire Rated)
Rupture basin leak switch	4" Pressure Gauges (ASME B40.100 Grade 1A in lieu of 2.5")
Pump Set Enclosures	DP switch/indicator across strainers
Back Pressure Regulators	Flex hose connections (UL567) and vibration isolators
Flow Switch	

Subject to change at any time without notice

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***For All Your Mission Critical Fuel Oil Equipment Needs***

Model Number Convention:

Type (first letter)	Controls (second letter)	Nominal Flow Rate (GPH)
<b>Duplex Sets</b>	X = No controls	<b>(four digits)</b>
L = Low pressure 50psig	Y = Motor starters with Relay controls	
M = Medium pressure 100psig	Z = Motor starters with PLC controls	
H = High pressure 150+psig		
<b>Simplex Sets</b>		
R = Return 50, 100, or 150+ psig		
S = Simplex Pump 50, 100, or 150+ psig		
<b>Custom Sets</b>		
C = Custom Design (alternative fuel, heater/cooler sets,		

Standard Models:

Model (discharge pressure)			Inlet and Outlet (in.)	Base Pan Size (in. X in.)	Motor HP (higher HP with higher pressure)	Nominal Speed (rpm)	Voltages Available	UL Pump Available
50psig	100psig	150psig						
L_0040	M_0035	H_0030	1/2"	24 X 57	1/3-1/3-1/3	1800	120/208-230/460; 1&3 Ø	YES
L_0080	M_0077	H_0075	1/2"	24 X 57	1/3-1/3-1/3	1800	120/208-230/460; 1&3 Ø	YES
L_0155	M_0150	H_0145	1/2"	24 X 57	1/3-1/3-1/3	1800	120/208-230/460; 1&3 Ø	YES
L_0215	M_0205	H_0200	1/2"	24 X 57	1/3-1/2-1/2	1800	120/208-230/460; 1&3 Ø	YES
L_0300	M_0280	H_0270	3/4"	24 X 57	1/2-3/4-3/4	1800	120/208-230/460; 1&3 Ø	YES
L_0400	M_0370	H_0350	3/4"	24 X 57	1/2-3/4-1	1800	120/208-230/460; 1&3 Ø	YES
L_0610	M_0575	H_0550	1"	24 X 57	1-1.5-2	1800	120/208-230/460; 1&3 Ø	50 and 100 psi only
L_0760	M_0700	H_0650	1.5"	30 X 65	1-1.5-2	1200	120/208-230/460; 3 Ø only	NO
L_1070	M_0970	H_0900	1.5"	30 X 65	1.5-2-3	1200	208-230/460; 3 Ø only	NO
L_1220	M_1160	H_1110	1.5"	30 X 65	1.5-2-3	1800	1.5HP - 120/208-230/460; 1&3 Ø, 2HP & 3HP - 3 Ø only	50 psi only
L_1730	M_1640	H_1560	1.5"	30 X 65	2-3-5	1800	2HP - 120/208-230/460; 1&3 Ø, 3HP & 5HP 3 Ø only.	NO
L_3050	M_2870	H_2740	2"	36 X 77	5-7.5-10	1800	208-230/460; 3 Ø	NO

Larger and custom sizes available on request.

