

High Pressure Pump STREAMLINE™ SL-V E-Series

Economic High Pressure System



The new E-Series of Streamline™ pumps are equipped with the most popular and essential pump features for efficient production of 55,000 psi water pressure, at a very economical price.

Essential Features

Complementing the full-featured PLUS-Series, the E-Series of pumps include just the most essential options without compromising on performance:

Increased Production

Like the Streamline™ PLUS pumps, the E-Series achieves longer runs due to the large, slow-stroking plungers; the E-Series uses carbide plungers. The slow stroke rate and smooth surface extend seal life, key in any high pressure system.

Faster, Easier Maintenance

Intelligent design simplifies and speeds the access to seals and wear parts.

Fast Cutting

Continuous production of 55,000 psi enables faster cutting over lower pressure systems.

Efficient Design

The E-Series was designed for efficiency and economic value in a simpler package:

Controls

Controls include the dual pressure compensator (providing two pressure levels) but exclude features enabling use of the proportional control (electronic pressure adjustment).

Frame

The frame was redesigned to be less expensive, while remaining open and functional. Top covers have also been eliminated.

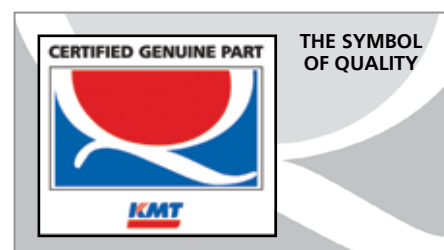
Excellent Value

The net result is a pump with excellent performance and economic value. The E-Series pump.

The KMT Waterjet Family of Products

The E-Series pumps were designed as part of the complete KMT Waterjet cutting system. Other products include the Streamline™ SL-V PLUS-series pumps, cutting head valves, diamond orifices and the top-performing, industry-leading Autoline™ abrasive cutting head.

Please call to discuss your applications or to receive more information on any high pressure component. KMT Waterjet has a network of trained and certified technicians available to provide "Cutting Edge Solutions".



System Information	SL-V E-30	SL-V E-50
Nominal Power Rate	30hp (22kW)	50hp (37kW)
Maximum Continuous Pressure	55,000psi (3,800 bar)	55,000psi (3,800 bar)
Max. Water Flow Rate @ Maximum Pressure	0.6 gpm (2.3 lpm)	1.0 gpm (3.8 lpm)
Maximum Single Orifice Diameter (at full pressure)	.011 (0.28 mm)	.014" (0.36 mm)
Number of Language Options on Display	5	5
Control Voltage & Power Supply	24V DC; 5 Amps DC	24V DC; 5 Amps DC
Max. Noise Level	75 dB(A)	75 dB(A)
Ambient Operating Temperature	Min.:40°F (5° C); Max.:104°F (40° C)	Min.:40°F (5° C); Max.:104°F (40° C)
Air Supply Volume (for Dump Valve)	1 cfm (28.3 lpm)	1 cfm (28.3 lpm)
Air Supply Pressure (for Dump Valve)	85 psi (5.9 bar)	85 psi (5.9 bar)
Length	68" (1,727 mm)	68" (1,727 mm)
Width	36" (914 mm)	36" (914 mm)
Height	49.2" (1,250 mm)	49.2" (1,250 mm)
Weight	2,350 lbs (1,066 kg)	2,615 lbs. (1,186 kg)
Cutting Water		
Minimum Inlet Cutting Water Pressure	30 psi (2 bar)	30 psi (2 bar)
Plunger Diameter	0.875" (22,2mm)	0.875" (22,2mm)
Max. Nominal Strokes per Minute (at 55,000 psi, 3,800 bar)	34	54
Accumulator Volume	0.26 gal (1 L)	0.26 gal (1 L)
Hydraulic System		
Max. Hydraulic Pressure (operating at max water pressure)	2,750 psi (190 bar)	2,750 psi (190 bar)
Hydraulic Reservoir Capacity	40 gal (154 L)	40 gal (154 L)
Cooling System		
Cooling Water Consumption @ 75°F (24°C) Water Temp.	1.5 gpm (5.7 lpm)	3 gpm (11.4 lpm)
Minimum Cooling Water Pressure	30 psi (2 bar)	30 psi (2 bar)
Options & Other Features		
Booster Pump with filter (adjustable & protected)	Standard	Standard
Wye-Delta Starter	Optional	Optional
Oil / Air-Cooler (Closed Loop Cooling System)	Optional	Optional
Dual Pressure Compensator	Included	Included
Redundant Topworks	NA	NA
Proportional Control	NA	NA
Remote Online Diagnostics (via Modem)	NA	NA
EQUALIZER Networking Kit Compatible	NA	NA

Number of Cutting Heads Possible			
Orifice Size	Pressure (psi)		
	45,000	50,000	55,000
0.005	6 9	5 8	4 8
0.007	3 4	2 4	2 4
0.009	1 2	1 2	1 2
0.010	1 2	1 2	1 2
0.011	1 1	1 1	1 1
0.012	1 1	- 1	- 1
0.013	- 1	- 1	- 1
0.014	- 1	- 1	- 1
0.015	- 1	- 1	
0.016	- -		

Summary of Features

Economic Value

Fewer options included to provide a lower price for a fully functional, robust machine.

Extended Seal Life

Hydraulic power is used to achieve slower stroke rates of the high pressure plungers, extending seal life.

Extremely Fast Cutting

System continuously generates up to 55,000 psi.

Easier to Maintain

Easier access to components, seals and parts.

Authorized Representative:



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