

KMT Waterjet Cutting Pumps

STREAMLINE® SL-VI 60,000psi/30hp, 40hp & 50hp

THE RIGHT SOLUTION FOR EVERY APPLICATION


The KMT STREAMLINE® SL-VI Series utilizes the latest technology and an innovative configurable design for ease of use, reliability and convenience---the result is a system that delivers the highest efficiency and profit.



SL-VI s-Series
(Basic Model - Available in 30hp, 40hp & 50hp)


SL-VI e-Series
(Economical Model - Available in 30hp, 40hp & 50hp)

SL-VI i-Series
(Fully Loaded Model - Available in 30hp, 40hp & 50hp)



INCREASED ORIFICE SIZES = INCREASED PRODUCTIVITY at 60,000psi

	SL-V	SL-VI
ORIFICE SIZE @ 30HP	.010	.011
ORIFICE SIZE @ 40HP	.012	.013
ORIFICE SIZE @ 50HP	.013	.014



Key Pump Features and Options Include:

- Proven Technology** STREAMLINE® SL-VI uses intensifier technology that has millions of operational usage hours
- Modular Design** Variety of choices to meet OEM and customer requirements
- High Pressure Intensifiers** 60,000psi redundant topworks*
- Horsepower Selection** 30hp, 40hp & 50hp
- Top Cover Guard Interlock Design*** Meets EN ISO13849-1 Safety Performance Standard PLa rating
- Power Factor Correction*** Reduce electrical demand and operating costs
- IE3 and NEMA Premium Motor Design** Optimized motor efficiency, reduced electrical consumption
- Siemens PLC Based Electrical Panel** Universal design for global network support
- Redesigned Electrical Panel** Separation of High Voltage & Low Voltage sections meet IEC/EN 60204-1 Standards

SPECIFICATIONS

DESCRIPTION	UNIT	30	40	50
Motor Rating	kW/HP	22 / 30	29 / 40	37 / 50
Pressure Range	PSI	60,000	60,000	60,000
Max. Flow Rate at Max. Pressure (60 Hz)	gal/min	0.69	0.84	1.00
Length	in	67.7	67.7	67.7
Width	in	45.6	45.6	45.6
Height	in	59.3	59.3	59.3
Cutting Water Circuit				
Intensification Ratio		20.21	20.21	20.21
Max. Stroke Rate	SPM	*38	*49	*59
Attenuator Volume	Liter	1	1	1
Cutting Water Inlet Pressure	PSI	35-100	35-100	35-100
Min. Cutting Water Inlet Flow	gal/min	2.8	3.5	4
Low Pressure Filter	µm abs.	10	10	10
Controls & Electric				
Nom. Current at 480V/60Hz	A	40	52	65
Pneumatic, Hydraulics & Cooling Circuit*				
Hydraulic Tank Capacity	gal	40	40	40
Oil Level and Temperature Control		Sensor	Sensor	Sensor
Standard Features				
Adjustable Booster Pump		•	•	•
Cutting Water Inlet Shut-Off Valve		•	•	•
Dual Pressure Setting		•	•	•
Oil Drip Pan		•	•	•
Dump Valve		•	•	•
Water Cooled Heat Exchanger				
Options				
Additional Liter of Attenuation		◦	◦	◦
Air Cooled Heat Exchanger		◦	◦	◦
Cover		◦	◦	◦
Doors		◦	◦	◦
Electric Panel & Cabinet		◦	◦	◦
High Pressure Transducer		◦	◦	◦
Motor Rewind for 575v & CSA		◦	◦	◦
Power Factor Correction		◦	◦	◦
Proportional Control		◦	◦	◦
Redundant Intensifier		◦	◦	◦
Soft Start/Electronic/Y-Delta		◦	◦	◦
USDA		◦	◦	◦

NOTE: Applies to all pumps:

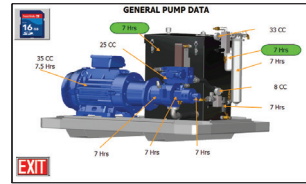
Hydraulic Tank Capacity 40 gal
 Min. pneumatic air pressure 86 PSI
 Max. pneumatic air flow rate 1 SCFM
 Ambient temp. @ Oil-to-Water cooling circuit 41 - 106°F
 Ambient temp. @ Oil-to-Air cooling circuit 41 - 86°F

- Standard
- Option
- * Estimated

NEW! Siemens PLC Based Electrical Panel



The Home Screen displays the operating status of the machine and provides access to a series of setup and monitoring screens.



Harmonized PLC Platform NEW Touch screen is software updateable, offers 11 languages, optional gauges, and includes monitoring hours and cycle times for preventive maintenance. Standard systems offer Ethernet and USB Port with import/export capabilities.



KMT Waterjet now offers a Cut Calculator APP that compares 90,000psi to 60,000psi cutting. Increase Productivity @ 90,000psi!



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THE HEART OF WATERJET CUTTING

kmtwaterjet.com



3/27/2016 - R4
 Added 30hp Unit