

Ultra High Pressure Pumps STREAMLINE SL-V Plus

State-of-the-Art Performance for Comfortable & Efficient Production



Our STREAMLINE™ SL-V Plus series represent the new KMT WATERJET SYSTEMS quality standard. Top level pressure generated by the new Hard Seal Endcap (HSEC) topwork design determine the trend in the waterjet cutting industry.

Any Application Possible in Any Kind of Installation

The STREAMLINE™ SL-V Plus enable you to use the generated pressure for both pure water and abrasive applications. Regardless how your machine concept is designed: The STREAMLINE™ SL-V Plus can be installed and operated either independently or they can be controlled remotely through any kind of central control system.

Designed for Multiple Shift Operation

Day by day hundreds of our STREAMLINE™ pumps do their job often up to 3 shifts per day. In particular automotive endusers honor their outstanding high reliability level.

Working Pressure of up to 4.136 bar

The pump units are available in five different power rates from 22 kW to 75 kW. Wherever required the Plus-pump supplies high pressure water of up to 4.136 bar.

New Hard Seal End Cap Design (HSEC)

The new topwork design HSEC is now common to all high pressure pumps of the STREAMLINE™ SL-V series. Its compact design allows to maintain the thousands of bar by tightening the checkvalves at the end of each cylinder by means of a torque of 48 Nm only. An M10 – 8.8 screw needs to be tightened by almost the same torque. For more details, please ask for the "STREAMLINE™ SL-V" brochure.

Softstarter as Standard saves Electricity Costs

The included softstarter helps you additionally to decrease your operating cost. Your local current supply usually does not to have to get modified to install the STREAMLINE™ SL-V unit.

MOELLER TOUCH SCREEN with Multi-Language Display

The Moeller control system provides you with all comfort you can expect from a control system. You can select up to 7 different display languages. You have access to individual alarm histories to achieve best components lifetimes and you get guided very accurately through any maintenance related topic.

Ability to Feed into one Common Network

If more capacity is required, additional STREAMLINE™ pumps can get connected together in order to feed into one common network supplying several cutting stations with high pressure water. Step by step you can increase productivity depending on your business' needs.

Worldwide KMT WATERJET SERVICE

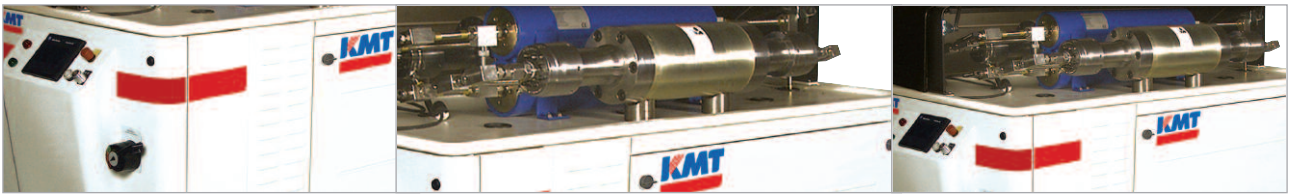
As a KMT WATERJET customer you are supported by a global network of service and manufacturing operations. Our 24/7 Hotline Service to ensures your production any time.

Online Shop ORDERLINE ANYWHERE

As a registered customer, you can now order your original KMT spare parts online through our ORDERLINE ANYWHERE portal. Simply look up your part in the electronic spare parts catalogue and add it to your virtual shopping basket. In addition, you can track your orders online and make use of a number of other useful functions.

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Technical Data	Unit	SL-V 30S Plus	SL-V 50S Plus	SL-V 60S Plus	SL-V 75S Plus	SL-V 100S Plus
Nominal Power Rate	kW / PS	22 / 30	37 / 50	45 / 60	56 / 75	75 / 100
Pressure Range	bar / psi		500–4.136	7.250–60.000		
Max. Flow Rate	l/min	2,1	3,6	4,2	5,4	7,2
Nom. Motor Current at 400V / 50Hz*	A	43	66	80	98	124
Circuit Braker at 400V / 50Hz	A	50	80	100	100	125
Control Voltage	VDC	24	24	24	24	24
Length	mm	1.721	1.721	1.721	1.975	1.975
Width	mm	914	914	914	914	914
Height	mm	1.453	1.453	1.453	1.453	1.453
Weight	kg	953	1.315	1.542	1.724	1.905
Max Noise Level	dB(A)	<72,5	<72,5	<77,5	<77,5	<77,5
Accumulator Volume	l	2	2	2	3	3
Oil Tank Volume	l	106	106	151	182	182
Softstarter		●	●	●	●	●

Valid for STREAMLINE™ SL-V 30, 50, 60, 75, 100

Control System	MOELLER Touch Screen
No. of Languages on Display	8**
Cutting Water Inlet Pressure	2–4 / 30–60 bar/psi
Pneumatic Supply Pressure	5,9 / 85 bar/psi
Pneumatic Supply Volume	28,3 l/min
Ambient Temp. Oil/Water Heat Exchanging	5-45°C
Ambient Temp. Oil/Air Cooling	5-30°C
HSEC Intensifier Design	●
HYPERLIFE™ Seal Technology	●
Safety Dump Valve	●
Inlet Shut-Off Valve	●
LP Filter (10 µm abs.)	●
Booster Pump (adjustable & protected)	●
Dual Pressure Compensator	●
Oil Level & Temperature Sensor	●
Oil-/ Water Heat Exchanger	●
Oil-/Air Cooler	○
Redundant Topworks	○
Remote Online Diagnostics (via Modem)	○

- = Standard * = "Elektrik Options" [VIPA]: 380/3/50; 400/3/50;
 ○ = Option 416/3/50; 460/3/50; 460/3/60; 480/3/30 - others on request
 ** = English, Finnish, French, German, Italian, Polish, Spanish, Swedish

Proportional Control	○
ProfiBus Connection	○
Networking Kit	○
Calibration Control	○
CE Mark attached	●

Max. Qty of orifices at 4.136 bar

Ø in mm	Qty. of orifices***				
	30S	50S	60S	75S	100S
0,10	5	9	11	14	19
0,12	4	6	8	9	13
0,15	3	4	5	7	9
0,17	2	3	3	5	6
0,20	1	2	3	4	5
0,23	1	2	2	3	4
0,25	1	1	2	2	3
0,30	-	1	1	1	2
0,33	-	1	1	1	2
0,35	-	-	1	1	1

*** The maximum quantity of orifices installed can be increased or larger orifice sizes can be installed by reducing the working pressure. Please feel free to contact us for your individual calculation.



KMT GmbH • KMT Waterjet Systems

Auf der Laukert 11 • 61231 Bad Nauheim • Germany
 Tel: +49-6032-997-0 • Fax: +49-6032-997-274
www.kmt-waterjet.com • info@kmt-waterjet.com



www.kmt-waterjet.com