

KMT Streamline PRO²® Intensifier Pump

World's Fastest Waterjet Cutting!



Precision Designed, Rapid Change UHP Intensifier

- **Unsurpassed Productivity**
- **Highest Efficiency**
- **Reduced Maintenance**



KMT Waterjet Systems Inc., the leading global manufacturer of Ultra High Pressure pumps and components for waterjet systems, introduces the launching of the KMT Streamline PRO²® Series 60HP & 125HP waterjet pumps.

KMT's Streamline PRO²® pumps offer the industry's most powerful combination of horsepower and pressure with significant advances in uptime, and that leads to superior productivity.

Reduced maintenance is also attributed to the longer reciprocal stroke rate to move more volume of water, which also extends the life of the seals. This improved reliability and flexible ergonomic design combine to provide extremely efficient cost savings and improved productivity.

In addition to longer seal life, there are fewer parts, fewer components and the elimination of specialty tools when changing seals.



Because of the unique simple design of the new Rapid Change IntensifierSM and more durable components, the Streamline PRO²® intensifier requires substantially less time for replacement of parts than competitive waterjet pumps. As a result, preventive maintenance is kept to a minimum.

The Streamline PRO²® state-of-the-art intensifier quick seal change process means more uptime as seals can be replaced within 20 minutes.

Benefits of KMT's Rapid Change UHP IntensifierSM:

- ✓ Maintenance friendly design = more uptime
- ✓ Reduces seal change time by 50% vs. comparable UHP pumps
- ✓ Improved component life for common consumables such as seals and check valve seats
- ✓ Eliminates complicated bolt tensioning and tie rods
- ✓ Eliminates need for specialty tools
- ✓ Low torque hard seal end cap design
- ✓ Improved cylinder alignment





PRO²® 60 HP SYSTEM INFORMATION:

Nominal Power Rate:	60 HP (45kW)
Maximum Dead-head Pressure (Valve Closed):	90,000 PSI (6.200 bar)
Maximum Operating Pressure:	85,000 PSI (5.860 bar)
Max. Water Flow Rate:	.75 gpm (2.84 lpm)
Maximum Single Orifice Diameter:	0.011" (0.279 mm)
Number of Language Options on Display:	5
Control Voltage & Power Supply:	24 V DC; 10 Amps DC
Max. Noise Level:	72.5 dB (A)
Ambient Operating Temperature:	Min.: 40° F (5° C) Max.: 104° F (40° C)
Length:	78.00" (1,981 mm)
Width:	36.00" (914 mm)
Height:	57.19" (1,453 mm)
Weight:	3,450 lbs (1,565 kg)

High Pressure Water System

Inlet Water Consumption:	4.0 gpm (15.0 lpm)
Minimum Inlet Cutting Water Pressure:	35 PSI (2.4 bar)
Plunger Diameter:	0.875" (22.2 mm)
Max. Nominal Strokes per Minute (at 85,000 psi, 5.860 bar):	45
Accumulator Volume:	0.42 Gal. (1.6 L)

Hydraulic System

Max. Hydraulic Pressure, Operating at Maximum Dead-head Water Pressure:	2,350 PSI (162 bar)
Hydraulic Reservoir Capacity:	48 gal (182 L)
Hydraulic Pump Flow Rate at 60Hz (@1,750 rpm):	64.0 gpm (242 lpm)

Cooling System

Cooling Water Consumption at 75° F (24° C) Water Temp. (Max):	3.5 gpm (13.2 lpm)
Minimum Cooling Water Pressure:	35 PSI (2.4 bar)

Options & Other Features

Booster Pump (adjustable & protected):	Included
Wye-Delta Starter or Soft Start:	Optional
Dual Pressure Compensator:	Included
Redundant Intensifier Topworks:	Optional
Proportional Control:	Standard
Remote Online Diagnostics:	Optional
Digital Pressure Display:	Standard



PRO²® 125 HP SYSTEM INFORMATION:

Nominal Power Rate:	125 HP (93kW)
Maximum Dead-head Pressure (Valve Closed):	90,000 PSI (6.200 bar)
Maximum Operating Pressure:	85,000 PSI (5.860 bar)
Max. Water Flow Rate:	1.59 gpm (6.0 lpm)
Maximum Single Orifice Diameter:	0.016" (0.406 mm)
Number of Language Options on Display:	5
Control Voltage & Power Supply:	24 V DC; 10 Amps DC
Max. Noise Level:	82 dB (A)
Ambient Operating Temperature:	Min.: 40° F (5° C) Max.: 104° F (40° C)
Length:	88.00" (2,235 mm)
Width:	59.09" (1,500 mm)
Height:	61.12" (1,552 mm)
Weight:	6,850 lbs (3,107 kg)

High Pressure Water System

Inlet Water Consumption:	9.2 gpm (34.8 lpm)
Minimum Inlet Cutting Water Pressure:	35 PSI (2.4 bar)
Plunger Diameter:	0.875" (22.2 mm)
Max. Nominal Strokes per Minute (at 85,000 psi, 5.860 bar):	50
Accumulator Volume:	0.42 Gal. (1.6 L)

Hydraulic System

Max. Hydraulic Pressure, Operating at Maximum Dead-head Water Pressure:	2,350 PSI (162 bar)
Hydraulic Reservoir Capacity:	110 gal (416 L)
Hydraulic Pump Flow Rate at 60Hz (@1,750 rpm) (2 Pumps each @):	64.0 gpm (242 lpm)

Cooling System

Cooling Water Consumption at 75° F (24° C) Water Temp. (Max):	5.0 gpm (18.9 lpm)
Minimum Cooling Water Pressure:	35 PSI (2.4 bar)

Options & Other Features

Booster Pump (adjustable & protected):	Included
Soft Start:	Standard
Dual Pressure Compensator:	Included
Redundant Intensifier Topworks:	N/A
Proportional Control:	Standard
Remote Online Diagnostics:	Optional
Digital Pressure Display:	Standard



kmtwaterjet.com

KMT Waterjet Systems Inc.

635 W. 12th Street • P.O. Box 231 • Baxter Springs, KS 66713

Tel.: 1-620-856-2151 • Fax: 1-620-856-5050

e-mail: sales@kmtwaterjet.com • kmtwaterjet.com

