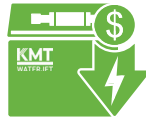


## WATERJET CUTTING PUMP

# STREAMLINE® CLASSIC V-DRIVE

3.800 bar/50 HP



Energy Saving Technology



The STREAMLINE® CLASSIC V-DRIVE combines the latest energy saving trends with a solid and reliable high pressure package.



Equipped with a speed-controlled motor drive, the STREAMLINE CLASSIC V-DRIVE satisfies any criteria specifying an energy saving machinery. A TÜV Rheinland report documents the savings results and measurements.

### REDUCED CO<sub>2</sub> EMISSIONS

KMT's patent-pending V-DRIVE TECHNOLOGY is crucial to its success in delivering the most reliable intensifier performance, while significantly increasing the pump's efficiency rate. This built-in control device does not add any complexity to the operator's job, since it just manages the rpm-control by itself pro-actively.

The achievable savings in regards to energy and CO<sub>2</sub> emissions depends on the individual production environment. The specific application as such determines the actual savings.

### V-DRIVE TECHNOLOGY

Continuously Controls Motor Speed:

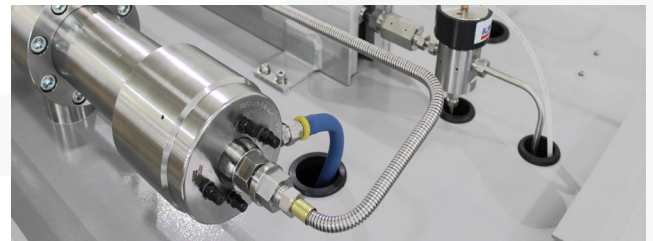
- Minimizes power draw
- Automatically adjusts for orifice size and idle mode
- Optimizes operation within each intensifier stroke



### ROBUST INTENSIFIER DESIGN

Engineered for Reliable Performance and Endurance

Hundreds of KMT Classic style pumps are commissioned around the world, utilizing the identical STREAMLINE® intensifier design. The operator benefits from superior component lifetimes resulting in a seamless operation.



### INTELLIGENT CONTROL FEATURES

Integrated HMI Provides a Convenient Way To:

- Operate the pump
- Continuously monitor the pump condition
- Receive notifications about the status of the pump

Display can be mirrored to a central PLC by means of a hardwire connection.

Choose between 6 languages.

### OPTIONS

- Oil/Air Cooler
- Food Grade Oil Fill

\* V-Drive Package qualifies for many European government sponsorship programs in association with energy saving machinery

The Right Pump Matters

**KMT**  
WATERJET

# SPECIFICATIONS

DESCRIPTION	STREAMLINE® CLASSIC V-DRIVE
Motor Rating	50 HP   37 kW
Pressure Range	690 - 3.800 bar
Max. Flow Rate	3,8 l/min at 3.800 bar
Max. Orifice @ Max. Pressure <small>*Contact KMT for information on orifice size with multiple cutting heads.</small>	0,35 mm
Dimensions	1.575 x 1.165 x 1.310 mm [L x D x H]
Weight	1.225 kg (approx.)
<b>CUTTING WATER CIRCUIT</b>	
Topworks	STREAMLINE® Technology
Max. Nominal Strokes per Minute	54
Min. Cutting Water Inlet Pressure	1 Liter
Min. Cutting Water Inlet Flow Rate	3 bar
Booster Pump	7,6 l/min
LP Filter	Included
High Pressure Outlet Connection	1 x 0,5 µm + 1 x 1,0 µm
Low Pressure Connection	3/8" UHP (Female)
Drainage Connection	1/2" NPT
<b>ELECTRIC &amp; CONTROLS</b>	
Motor Starter	Softstarter
Maximum Pump Current (FLA)	208/60/3-phase 134A      480/60/3-phase 58A 230/60/3-phase 121A      575/60/3-phase 50A 400/50/3-phase 71A
Nom. Motor Current at 400V/50Hz	66A
Pressure Control	Proportional Control with Hi/Lo Switch
Control System	Siemens S7-1200
Interface Connection	MODBUS TCP/IP via Ethernet
Display (HMI)	Integrated (Multi-Language)
<b>PNEUMATIC, HYDRAULICS &amp; COOLING CIRCUIT</b>	
Max. Hydraulic Pressure	207 bar
Hydraulic Reservoir (Capacity)	152 Liter
Pneumatic Supply Pressure	6 bar
Pneumatic Supply Volume	28 l/min
Ambient Temp. Oil/Water Heat Exchanging	5° - 45° C
Cooling Mode	Oil/Water
Cooling Water Pressure	2,4 - 6,5 bar
Cooling Water Consumption @ 24°C Water Temp	11,4 l/min
Label According to EC-Machinery Directive	CE Mark & CE Declaration of Conformity
Max Noise Level	<=80 dB(A)
<b>OPTIONAL FEATURES</b>	
Oil/Air Cooler	
Food Grade Oil	

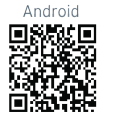
## KMT Cut Calculator App



Compare 6.200 bar vs. 4.100 bar cutting for the lowest cost per part.



iOS



Android

## KMT Genuine Service



Globally located service engineers with PM programs available.



SHAPE TECHNOLOGIES GROUP®

KMT GmbH - KMT Waterjet Systems

Hohe Straße 4 - 6  
61231 Bad Nauheim | Germany  
+49-6032-997-0



kmtwaterjet.com



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CLASSIC V-DRIVE - RELEASE