

# KMT Waterjet Cutting Pumps

## NEOLine® 40i 55,000psi/40hp

### THE PERFECT SOLUTION FOR JOB SHOP CUTTING

The KMT Waterjet NEOLine™ 40i Pump is the Low Cost Option for Multiple Waterjet Cutting Applications.



The KMT Waterjet NEOLine® 40i pump uses KMT proven intensifier technology for superior performance with less maintenance.

The durable and reliable NEOLine® 40i pump is ideally suited for small job shops, sign and automotive shops requiring the versatility and flexibility found only with waterjet cutting.

The NEOLine® 40i features a new, low profile cabinetry design for easy access to pump controls and components along with 55,000psi operating pressure to cut steel, glass, granite, tile, plastic, aluminum, stone and much more.



#### Key Pump Features and Options Include:

- 40hp Three-phase Pump Motor
- Streamline™ SL-IV Intensifier w/Long Seal Life
- Low Inlet Water Pressure Safety Switch (30psi)
- 55,000psi Operating Design Pressure
- Variable Displacement Axial Piston Pump
- Continuous Recirculation Pump for Cooling System
- Manual Pressure Control
- Hi-Temp/Low Level Oil Safety Switch
- Oil/Water Heat Exchanger
- Auto Bleed Down Valve
- Rugged Powder-Coated Finish
- Vibration Isolation Pads on Motor
- Oil Temperature/Level Sight Gauge
- Electrical Junction Box
- PLC Based Controls w/User-friendly Operator Interface
- Basic Control for Pump On/Off, E-Stop
- Cooling Water Modulating Valve (Oil/Water Heat Exchanger)
- Dual Pressure Compensator Included
- Optional Booster Pump w/10 micron Filter

## SYSTEM INFORMATION

## NEOLine™ 40i

Nominal Power Rate	40hp (29 kW)
Max. Continuous Pressure	55,000 psi (3.800 bar)
Max. Water Flow Rate	0.72 gpm (2.73 L/min)
Max. Single Orifice Dia. (@ full pressure)	.012 in. (0.30 mm)
Control Voltage & Power Supply	24V DC; 5 Amps DC
Ambient Operating Temperature	Min. 40°F (5° C), Max. 104°F (40° C)
Hydraulic Reservoir Capacity	32 gal (121 L)
Cooling Water Flow @ 75° (24° C) Water Temp.	<3 gpm (11.4 L/min)
Attenuator Volume	.26 gal (1L)
Length	56.53" (143.58 cm)
Width	42" (106.68 cm)
Height	39.5" (100.33 cm)
Weight	2,000 lbs.



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



THE HEART OF WATERJET CUTTING

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UPDATED GRAPHICS