

## Ultra High Pressure Water Jetting Unit MJ 150 D / 2950 – 29 AH#15 (incl. conversion to 1180 – 57)



**Equipment Type:** MJ 150 D/2950 - 29/2950 Bar, 29 L/min

**Engine:** Cummins 6 BTA 5.9

**Filter Engine Oil:** LF3349

**Fuel Filter Water Separator:** WK842

**Pump Brand:** KAMAT K10016 - 3G

**Filter Pump:** Filter CPL

**Pneumatic By-pass Valve Brand:** KAMAT Serial no. 25793

**Booster Pump:** Ebara Pump 50/40

**Front Engine belt:** 8 PK - 1500

**Booster Pump belt:** A58 - 2x

**Filter Bag:** Filter Bag 5 Micron PE-5 16.8 x 36cm

**Dimension:** L x W x H mm 2330 x 1700 x 2150

**Diesel Fuel Tank:** L x W x H mm 1400 x 600 x 340

**Water Tank:** L x W x H mm 1100 x 550 x 610

**Machine Weight:** 2630 kg

**Fuel Consumption Rate:** Diesel B7 16 liter/hour average



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### Accessories for 2800 bar (40,000 PSI)

- a) UHP Hose 3000 bar DN8 15,4m - 4 set
- b) Dump Gun 2800 bar (40,000 PSI) - 1 set
- c) Hose Connectors - 3 each (40,000 PSI)
- d) Rotating Surface Cleaning Nozzle 3000 bar - 1 each
- e) TST Safety Suit 3000 bar - 1 set
- f) Safety Sling / Whip Stop (TST) - 10 each
- g) Point Jet Nozzle UHPX-031 - 1 each

### Accessories for 1050 bar (15,000 PSI)

- a) HP Hose 1100 bar DN 12 @ 20 m long - 3 set
- b) Dump Gun 1050 bar (15,000 PSI) - 1 set
- c) Hose Connectors - 2 each
- d) Rotating Surface Cleaning Nozzle 1500 bar (22,000 PSI) - 1 set
- e) Point Jet Nozzle 1050 bar (15,000 PSI) - 1 each

**KAMAT Model : MJ 150 D / 2950 – 29 Mobile Jet Unit up to 2950 bar 29 lpm (Used Demo Unit)**

No.	Description
1.1	Mobile unit up to 2950 bar 29 lpm with KAMAT UHP Pump K10016A-3G (Used Demo Unit)
	<u>To be used for/ suitable for:</u>
	Medium: non turbulent water and free of gas and dissolved gas
	pH value: 6 < pH < 8,5
	Conductivity: 300 – 1000 µS/cm
	Solid Contents: < 5 mg/l
	Max. Temperature of Fluid: max. 40 °C
	Filtration Max: < 10 µm
	Required Inlet Pressure: min. 3 bar and max. 8 bar
	NPSHr: ~ 5,84 m (for water 0°C)
	<u>Material Specification Pump:</u>
	Pump Head: Stainless
	Pressure loaded parts coming into contact with fluid medium: Stainless
	Plunger: Tungsten Carbide
	<u>Construction:</u>
	Lubrication: Gearbox with pressure lubrication
	Lub. Oil Cooling: Included
	Crosshead Sealing: Integrated in crank case
	Drive / Gear: Direct flexible coupling / integrated gear reduction
	Position of Drive Shaft: Right
	Suction Connection: 1 ½" A Position: Left
	Discharge Connection: Type M Position: Left
	<u>Technical Data:</u>
	Plunger-Ø: 16mm Stroke: 105mm
	Suction Pressure Max.: 8bar Suction Pressure Min.: 3bar
	<u>Operating Data:</u>
	Flow Rate: ltr/min 29 lpm
	Operating Pressure Power: bar 2950 (1000 to 2950 adjustable)
	Required at Shaft Pump kW 130
	Crankshaft Speed rpm 150 to 475
	Drive Speed rpm 1.200 to 1.800
	<u>KAMAT UHP-Pump K 10016 A - 3G consisting of:</u>
	Gearbox with pressure oil lubrication and oil cooling
	Pump head Type "A"
	UHP mounting block discharge side M 26 x 1,5
	Conversion kit 16mm
	Pneumatic pressure ON / OFF valve
	Tool kit
	Painting: PUMP - RAL 6018 (Green) FRAME - RAL 5002 (Blue)
	1 set of KAMAT Standard - Documentation in English Language on USB Stick
	<u>Drive Data:</u>
	Diesel Engine: kW 150 @ 1.800 rpm
	Model: Cummins 6 BTA 5.9 6-Cyl Turbo

**KAMAT Model : MJ 150 D / 1180 – 57 Mobile Jet Unit up to 1180 bar 57 lpm (For conversion to MJ 150 D / 1180-57)**

No.	Description
1.2	Mobile unit up to 1180 bar 57 lpm with KAMAT UHP Pump K13022A2-3G (conversion)

Performance:

Q = 57 l/min

P = 1180 bar

p = 130kW

n = 475 rpm

i = 3,76 for 1800 rpm

Drive shaft right side

Fluid: non turbulent water and free of gas and dissolved gas

pH value: 6 < pH < 8,5

Conductivity: 300 -1000 µS/cm

Solid Contents: < 10 mg/l

Max. temperature of fluid: max. 50°C

Filtration: < 100 µm

Required Inlet Pressure: min. 2,5 bar

NPSHr: ~ 6,38 m (for water 20°C)

Suction manifold pressure: max. 8 bar

Material Specification Pump:

Pump head Stainless

Parts coming into contact with fluid Stainless

Suction manifold Aluminium

Plunger Ceramic

KAMAT UHP-Pump K13022A2 - 3G consisting of:

Gear K1300-3G with oil pressure supply and oil cooler

Pump head type A

Conversion kit 22mm

Pneumatic pressure limiting valve

Adapter for PLV

Plug for measurement connection of PLV

Bypass vessel

Mounting block

Tool kit

Painting: RAL 6018 Green

Standard operation instructions according to machinery directive 2006/42/EG for pumps

