



# Jet Edge

WATERJET SYSTEMS

## XP90-100 INTENSIFIER PUMP

### Construction

- Heavy gauge sheet metal covers
- Rugged all-steel welded framework
- Hinged cover and removable access panels for convenient machine inspection and maintenance
- Integral hydraulic reservoir
- Sound insulated for quiet operation
- NEMA 12/13 rated electrical enclosure

### Standard Features

- High efficiency TEFC motor
- 1,500 or 1,800 nominal motor speed (rpm)
- Electronically shifted intensifiers
- Wye-Delta soft start with disconnect
- Fail-safe high-pressure attenuator
- Safety shutdown systems
- Automatic safety pressure bleed-down valve
- Thermostatically controlled cooling system
- Programmable Logic Controller (PLC) for operation and safety monitoring
- Axial piston, variable displacement, pressure-compensated hydraulic pump
- Liquid-filled pressure gauges
- UHP safety shielded tubing

### Optional Features

- Advanced Controls
- CE Mark

### Physical Size

- Length: 86 in (2110 mm)
- Width: 40 in (1020 mm)
- Height: 55 in (1400 mm)
- Approximate Weight with Fluid: 4,900 lbs. (2222 kg)

### Electric Motor

- Motor Output: 100 hp (75 kw)
- Motor Type: High Efficiency TEFC electric motor
- Full load amps @ 460vac: (60Hz) 124
- Full load amps @ 230vac: (60Hz) 248

### Intensifier

- Type: Single piston, dual plunger, reciprocating
- Number of Intensifiers: Two
- Operating Pressure: 75,000 psi (5200 bar)
- Intensification Ratio: 25:1
- UHP Flow Rate: 1.45 gpm (5.5 lpm)
- 100,000 PSI-rated fittings and tubing

## XSTREAM

xp90-100



### Low-Pressure Water/Intensification Water

- Type: Pretreated, <100 TDS, PH 6-8, Silica <15PPM
- Supply Requirements: 2.9 gpm @ 45 psi (3.1 bar) min. / 70°F (21°C) max
- Filtration: 10, 1, .45 Micron

### Coolant Water

- Maximum Temperature: 70°F (21°C)
- Minimum: 4.2 gpm (15.81 lpm) @ Minimum 20 psi (1.3 bar)
- Head Load: 101,000 BTUs /Hour
- Cooling Circuit: Kidney Loop

### Hydraulics

- Reservoir Capacity: 55 gallons (208 liters)
- Filtration: 10 Micron
- Cooling: Brazed Plate Heat Exchanger Water/Oil
- Optional Cooling: Exchanger: Air/Oil

### Environmental

- Ambient Room Temperature: 50°-95°F (10°-35°C)
- Relative Humidity: Non-condensing, Maximum 95% @ 100°F



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Specifications subject to change.

[www.jetedge.com](http://www.jetedge.com)

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