



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

Physical Size

- Length: 86 in (218 cm)
- Width: 40 in (102 cm)
- Height: 55 in (140 cm)
- Approximate Weight with Fluid: 4,900 lbs. (2,222 kg)

Electric Motor

- Motor Output: 100 hp (75 kw)
- Motor Type: High Efficiency TEFC electric motor
- Full load amps @ 460vac: (60Hz) 119
- Full load amps @ 230vac: (60Hz) 238

Intensifier

- Type: Single piston, dual plunger, reciprocating
- Number of Intensifiers: Two
- Rated Pressure: 90,000 static psi (6,200 bar)
- Intensification Ratio: 25:1
- Flow Rate: 1.45 gpm (5.49 lpm)
- Maximum Rated Orifice Size: 0.017" (0.43mm)
- 100,000 PSI-rated fittings and tubing
- Supports 75K+ continuous operating pressure

XSTREAM

xp90-100



Low-Pressure Water/Intensification Water

- Type: Pretreated, <100 TDS, PH 6-8, Silica <15PPM
- Supply Requirements: 2.0 gpm @ 40 psi (3 bar) min./ 70°F (21°C) max
- Filtration: 10, 1, .45 Micron

Coolant Water

- Maximum Temperature: 70°F (21°C)
- Minimum: 4.8 gpm (18.2 lpm) @ Minimum 20 psi (1.3 bar)
- Ability to Remove: 95,000 BTU's / Hour
- Heat Exchanger: Shell and Tube (2)

Hydraulics

- Reservoir Capacity: 60 gallons (230 liters)
- Filtration: Full Flow 10 Micron
- Ambient Room Temperature: 50°-95°F (10°-35°C)
- Relative Humidity: Noncondensing, Maximum 95% @ 100°F



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Specifications subject to change.



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