



Jet Edge

WATERJET SYSTEMS

XP90-50 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
- Electronically shifted intensifiers
- Wye-Delta soft start with disconnect
- 0.5 gallon (1.9 liter) high pressure attenuator with filtration to .45 micron
- Safety shutdown systems
- Automatic safety pressure bleed-down valve
- Thermostatically controlled cooling system
- Dual pressure set points
- 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: 72 in (1,830 mm)
- Width: 32 in (820 mm)
- Height: 53 in (1,350 mm)
- Approximate Weight with Fluid: 2,700 lbs. (1,230 kg)

Electric Motor

- Motor Output: 50 hp (37 kw)
- Motor Type: High Efficiency TEFC electric motor
- Full load amps @ 460vac (60Hz): 58
- Full load amps @ 230vac (60Hz): 116
- Full load amps @ 380vac (50Hz): 71

Intensifier

- Type: Single piston, dual plunger, reciprocating
- Number of Intensifiers: one
- Rated Pressure: 90,000 static psi (6,200 bar)
- Intensification Ratio: 25:1
- Flow Rate: 0.7 gpm (2.61 lpm)
- Maximum Rated Orifice Size .011 in (.28mm)
- 100,000 PSI-rated fittings and tubing
- Supports 75K+ continuous operating pressure

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: 1, .45 Micron

Coolant Water

- Maximum Temperature: 70°F (21°C)
- Minimum: 2.5 gpm (9.5 lpm) @ Minimum 20 psi (1.3 bar)
- Ability to Remove: 39,000 BTUs /Hour

Hydraulics

- Reservoir Capacity: 45 gallons (170 liters)
- Filtration: Full Flow 10 Micron

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.



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