



# Jet Edge

WATERJET SYSTEMS

## IP55-75 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
- 0.5 gallon (1.9 liter) high pressure attenuator with 1.45 micron filtration
- 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: 4500 lbs. (2041 kg)

### Electric Motor

- Motor Output: 75 hp (56 kw)
- Motor Type: High Efficiency TEFC electric motor
- Full load amps @ 460vac: (60Hz) 89
- Full load amps @ 230vac: (60Hz) 178

### Intensifier

- Type: Single piston, dual plunger, reciprocating
- Number of Intensifiers: one
- Rated Pressure: 60,000 psi (4,100 bar)
- Intensification Ratio: 19:1
- Flow Rate: 1.5 gpm (5.7 lpm)
- Maximum Rated Orifice Size: .018 in (.46 mm)

### Low-Pressure Water/Intensification Water

- Type: Pretreated, <100 TDS, PH 6-8, Silica <15PPM
- Supply Requirements: 1.5 gpm @ 20 psi (1.4 bar) min. / 75°F (24°C) max
- Filtration: 1, .45 Micron

### Coolant Water

- Maximum Temperature: 70°F (21°C)
- Minimum: 0-10.0 gpm (0-37.9 lpm) @ 60 psi (4.1 bar)
- Ability to Remove: 65,900 BTU's / Hour
- Heat Exchanger: Shell and Tube (2)

### Hydraulics

- Reservoir Capacity: 55 gallons (209 liters)
- Filtration: Full Flow 10 Micron

### Environmental

- Ambient Room Temperature: 50°-100°F (10°-37°C)
- Relative Humidity: Noncondensing, Maximum 95% @ 100°F



# Jet Edge

WATERJET SYSTEMS

Specifications subject to change.



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

+1-763-497-8700 | 1-800-JET-EDGE  
sales@jetedge.com