



## IP60-50 INTENSIFIER PUMP

### Construction

- Heavy gauge sheet metal covers
- Rugged all-steel welded framework
- All stainless steel fittings and components
- Hinged cover and removable access panels for convenient machine inspection and maintenance
- Integral hydraulic reservoir
- NEMA 12/13 rated electrical enclosure
- UL Certified electrical panel
- Optional sound insulation

### Standard Features

- High efficiency TEFC motor
- Electronically shifted intensifiers
- Wye-Delta motor starter assembly
- 1 quart (0.9 liter) high pressure attenuator
- Safety shutdown systems
- Automatic safety pressure bleed-down valve
- Integrated power distributor panel with disconnect
- Thermostatically controlled kidney loop cooling system
- Dual pressure set points
- Programmable Logic Controller (PLC) for operation and safety monitoring
- Axial piston, variable displacement, pressure-compensated hydraulic pump
- Hydraulic accumulator dampens pulsations
- 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: 2,500 lbs. (1,134 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: 60,000 psi (4,100 bar)
- Intensification Ratio: 20:1
- Flow Rate: 1.1 gpm (4.16 lpm)
- Maximum Rated Orifice Size .015 in (.38 mm)



### Low-Pressure Water/Intensification Water

- Type: Pretreated, <100 TDS, PH 6-8, Silica <15PPM
- Supply Requirements: 1.0 gpm @ 40 psi (3 bar) min. / 70°F (21°C) max.
- Water Pre-filter to 0.45 Micron
- In-line UHP Water Filtration to 5 Micron

### Coolant Water

- Maximum Temperature: 70°F (21°C)
- Minimum: 4.0 gpm (15.1 lpm) @ Minimum 20 psi (1.3 bar)
- External Chiller Required: 34,000 BTU/hour minimum
- Heat Exchanger: Brazed Plate

### Hydraulics

- Reservoir Capacity: 35 gallons (209 liters)
- Filtration: 10 Micron

### Environmental

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



Specifications subject to change.



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