

Model iP60-150 Intensifier Pump



Physical Size

- Length: 82 in (208 cm)
- Width: 56 in (142 cm)
- Height: 60 in (152 cm)
- Approximate Weight with Fluid: 4600 lbs (2090 kg)

Electric Motor

- Motor Output: 150 hp (112 kw)
- Motor Type: High Efficiency TEFC electric motor
- Full load amps @ 460vac: (60Hz) 177
- Full load amps @ 230vac: (60Hz) 354

Intensifier

- Type: Single piston, dual plunger, reciprocating
- Number of Intensifiers: two
- Rated Pressure: 60,000 psi (4,100 bar)
- Intensification Ratio: 19:1
- Flow Rate: 3.0 gpm (11.4 L/min)
- Maximum Rated Orifice Size: .025 in (.64 mm)

Environmental

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

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

Low-Pressure Water/Intensification Water

- Type: Pretreated, <100 TDS, PH 6-8, Silica <15PPM
- Supply Requirements: 2.9 gpm @ 20 psi (1.4 bar) min. / 75°F (24°C) max
- Filtration: 10, 1, .45 Micron

Coolant Water

- Maximum Temperature: 70°F (21°C)
- Minimum: 0-10.0 gpm (0-37.9 lpm) @ Minimum 60 psi (4.1 bar)
- Heat Exchanger: Stainless Steel Braze Plate (1)

Hydraulics

- Reservoir Capacity: 85 gal (322 L)
- Filtration: Kidney Loop 10 Micron
(50hz = 23.5 GPM oil; 60Hz = 28 GPM oil)