

## Model iP60-50R Redundant Intensifier Pump



The iP60-50R intensifier pump has two intensifier systems. If one of the intensifier systems should fail or require service, the second intensifier system can continue operations until the intensifier pump can be shut down for service.

### 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 (optional)
- 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: 2,500 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: two
- Rate Pressure: 60,000 psi (4,100 bar)
- Intensification Ratio: 20:1
- Flow Rate: 1 gpm (3.8 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.
- Filtration: 1, .45 Micron

### Coolant Water

- Maximum Temperature: 70°F (21°C)
- Minimum: 0-4.0 gpm (0-15.1 lpm) @ Minimum 20 psi (1.3 bar)
- Ability to Remove: 25,000 BTUs /Hour

### Hydraulics

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

### Environmental

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