

IP60-50 INTENSIFIER PUMP

**HIGH VELOCITY STREAM OF
ULTRA HIGH PRESSURE WATER**



The IP60-50 Waterjet Intensifier Pump is your intro to pumps. Dependable and easy to maintain, it has the ability to cut and trim a large array of materials including heat sensitive, delicate, and tough substances. This Intensifier Pump is perfect for robotic, mobile and motion system cutting applications. Jet Edge can provide an engineering analysis and customized solution to meet your application needs.

IP60-50 AT A GLANCE

- Rated pressure: 60,000 psi (4,100 bar)
- UHP flow rate: 1.0 gpm (3.7 lpm)
- Max rated orifice size .015 in (.38 mm)
- Single piston, dual plunger, reciprocating pump
- Motor output: 50 hp (37 kw)

CONSTRUCTION

- Heavy gauge sheet metal covers
- Rugged all-steel welded framework
- Hinged cover & quick remove access covers

CONTROLS

- UL certified electrical panel
- Safety shutdown systems
- Automatic safety pressure bleed-down valve

INTENSIFIER PUMP

- Single, 1 quart (0.9 liters) attenuator
- Single piston, dual plunger, reciprocating pump
- Rated pressure: 60,000 psi (4,100 bar)
- UHP flow rate: 1.0 gpm (3.7 lpm)
- Max rated orifice size .015 in (.38 mm)

ELECTRIC MOTOR

- Motor output: 50 hp (37 kw)
- TEFC NEMA premium efficiency motor
- Full load amps @ 460vac: (60Hz) 60
- Full load amps @ 230vac: (60Hz) 120

SIZE

- Length: 74 in (1,880 mm)
- Width: 37 in (940 mm)
- Height: 53 in (1,350 mm)
- Approximate weight with fluid: 2150 lbs. (975 kg)

WATER/ENVIRONMENT

- Low-pressure water supply requirement 2.0 gpm (7.6 lpm) @ 60 psi (4 bar) min.
- Max temp 70°F (21°C)
- Ambient temperature: 50°-100°F (10°-37°C)

HYDRAULICS

- Axial piston, variable displacement, pressure-compensated hydraulic pump
- Thermostatically-controlled cooling loop
- Hydraulic accumulator prolongs component life and improves output quality
- Reservoir capacity: 35 gallons (135 liters)

WARRANTY

- 1-year or 2,000-hour pump warranty
- 2-year or 4,000 hour hydraulic circuit warranty
- Lifetime factory product training



THE HEART OF YOUR COMPANY

GIVE YOUR APPLICATION THE TOUGH LOVE IT DESERVES

PUMPS	PRESSURE RATING	ELECTRIC MOTOR	INTENSIFIER	HYDRAULICS	OUTPUT	DIMENSIONS
IP60-30	60,000 psi (4,100 bar)	30 hp (22 kw)	Single 1 quart (0.9 liters) attenuator	30 gal (113 liters) Thermostatically cooled	UHP flow rate: 0.6 gpm (2.3 lpm) Max orifice: .010 in (.25 mm)	Length: 72 in Width: 32 in Height: 53 in
IP60-50	60,000 psi (4,100 bar)	50 hp (37 kw)	Single 1 quart (0.9 liters) attenuator	35 gal (135 liters) Thermostatically cooled	UHP flow rate: 1.0 gpm (3.7 lpm) Max orifice: .015 in (.38 mm)	Length: 74 in Width: 37 in Height: 53 in
IP60-75	60,000 psi (4,100 bar)	75 hp (56 kw)	Single 1 quart (0.9 liters) attenuator	55 gal (209 liters) Thermostatically cooled	UHP flow rate: 1.5 gpm (5.7 lpm) Max orifice: .018 in (.46 mm)	Length: 86 in Width: 40 in Height: 55 in
IP60-100	60,000 psi (4,100 bar)	100 hp (75 kw)	Double 2 quarts (1.9 liters) attenuator	54 gal (204 liters) Thermostatically cooled	UHP flow rate: 2.0 gpm (7.6 lpm) Max orifice: .021 in (.53 mm)	Length: 83 in Width: 40 in Height: 56 in
IP60-150	60,000 psi (4,100 bar)	150 hp (112 kw)	Double 2 quarts (1.9 liters) attenuator	103 gal (390 liters) Thermostatically cooled	UHP flow rate: 3.0 gpm (11.4 lpm) Max orifice: .025 in (.64 mm)	Length: 83 in Width: 56 in Height: 56 in
IP60-200	60,000 psi (4,100 bar)	200 hp (149 kw)	Double 2 quarts (1.9 liters) attenuator	104 gal (394 liters) Thermostatically cooled	UHP flow rate: 4.0 gpm (15.2 lpm) Max orifice: .28 in (.71 mm)	Length: 95 in Width: 60 in Height: 60 in
XP90-50	90,000 psi (6,200 bar)	50 hp (37 kw)	Single 2 quarts (1.9 liters) attenuator	36 gal (136 liters) Thermostatically cooled	UHP flow rate: 0.7 gpm (2.61 lpm) Max orifice: .011 in (.28 mm)	Length: 72 in Width: 32 in Height: 53 in
XP90-100	90,000 psi (6,200 bar)	100 hp (75 kw)	Double 2 quarts (1.9 liters) attenuator	55 gal (208 liters) Thermostatically cooled	UHP flow rate: 1.45 gpm (5.51 lpm) Max orifice: .017 in (.43 mm)	Length: 86 in Width: 40 in Height: 55 in

READY TO BUILD YOUR MACHINE?

Contact a Jet Edge sales partner for your FREE engineering analysis. Whether you're cutting with water only or running a 24/7 operation with multiple abrasive jets, we can find the perfect pump for your application—even if that means a custom creation.