

# IP60-100 INTENSIFIER PUMP

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



**T**he IP60-100 Waterjet Intensifier Pump has a reliable tie-rod design that eliminates threads on the high pressure cylinders, end caps, and hydraulic cylinders—reducing the likelihood of cracking and increases component life. The dual intensifier and optional controls package make this the most versatile pump on the market. Jet Edge can provide customized solutions with a complete engineering analysis of your application.

## IP60-100 AT A GLANCE

- Rated pressure: 60,000 psi (4,100 bar)
- UHP flow rate: 2.0 gpm (7.6 lpm)
- Max rated orifice size .021 in (.53 mm)
- Single piston, dual plunger, reciprocating pump
- Motor output: 100 hp (75 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

- Double, 2 quarts (1.9 liters) attenuator
- Single piston, dual plunger, reciprocating pump
- Rated pressure: 60,000 psi (4,100 bar)
- UHP flow rate: 2.0 gpm (7.6 lpm)
- Max rated orifice size .021 in (.53 mm)

### ELECTRIC MOTOR

- Motor output: 100 hp (75 kw)
- TEFC NEMA premium efficiency motor
- Full load amps @ 460vac: (60Hz) 124
- Full load amps @ 230vac: (60Hz) 248

### SIZE

- Length: 83 in (2,110 mm)
- Width: 40 in (1,020 mm)
- Height: 56 in (1,430 mm)
- Approximate weight with fluid: 4,600 lbs. (2,090 kg)

### WATER/ENVIRONMENT

- Low-pressure water supply requirement 4.0 gpm (15.2 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: 54 gallons (204 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
<b>IP60-30</b>	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
<b>IP60-50</b>	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
<b>IP60-75</b>	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
<b>IP60-100</b>	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
<b>IP60-150</b>	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
<b>IP60-200</b>	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
<b>XP90-50</b>	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
<b>XP90-100</b>	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.