

# XP90-50

## X-STREAM WATERJET PUMP

HIGH VELOCITY STREAM OF  
ULTRA HIGH PRESSURE WATER



**T**he XP90-50 X-Stream Waterjet Pump is backed by nearly 10 years of extensive research and development in hyper-pressure technology. Its fittings and tubings are rated for 100,000 psi. This pump supports a 75,000 psi continuous operating pressure, capable of producing flow rates of .7 gpm and supports up to a .011" orifice—increasing productivity for a diverse range of materials.

### XP90-50 AT A GLANCE

- Rated pressure: 90,000 psi (6,200 bar)
- UHP flow rate: .70 gpm (2.61 lpm)
- Max rated orifice size .011 in (.28 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
- Optional advanced control package

### INTENSIFIER PUMP

- Single, 2 quarts (1.9 liters) attenuator
- Single piston, dual plunger, reciprocating pump
- Rated pressure: 90,000 psi (6200 bar)
- UHP flow rate: .70 gpm (2.61 lpm)
- Max rated orifice size .011 in (.28 mm)
- 100,000 psi-rated fittings and tubing

### WATER/ENVIRONMENT

- Low-pressure water supply requirement 1.45 gpm (5.49 lpm) @ 60 psi (4 bar) min.
- Max temp 70°F (21°C)
- Ambient temperature: 50-100°F (10-37° C)

### SIZE

- Length: 72 in (1,830 mm)
- Width: 32 in (820 mm)
- Height: 53 in (1,350 mm)
- Approximate weight with fluid: 2,900 lbs. (1310 kg)

### 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
- Full load amps @ 380vac: (50Hz) 75

### HYDRAULICS

- Axial piston, variable displacement, pressure-compensated hydraulic pump
- Thermostatically-controlled cooling loop
- Hydraulic accumulator prolongs component life and improves output quality
- Reservoir capacity: 36 gallons (136 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.