

# AS-60100 100 HP 60,000 psi INTENSIFIER PUMP

## PRODUCTION POWER FOR EVERY PURPOSE

Industry standard for **performance**  
Unmatched **durability**  
**Technologically advanced** pump

Ideally suited for

**Production based abrasive cutting**  
**Multiple-head pure water cutting**



### 1 | ADVANCED INTENSIFIER TECHNOLOGY™ (AIT)

AIT is AccuStream's exclusive technology and an integral part of the A and AS series of pumps. Our unparalleled user-oriented innovations deliver industry leading maintenance intervals and rapid component replacement.



### 2 | OPERATOR CONVENIENCE

The Accustream touch screen control center provides easy - to - understand graphics that guide the operator through the necessary steps to operate and maintain any of the AS Series pumps. Every aspect of the AS-60100 has been designed with convenience and accessibility in mind.



### 3 | SUPERIOR CUT QUALITY

Our large volume attenuator, optimal stroke utilization and advanced hydraulic circuitry create smooth ultra-high pressure water to the cutting head for superior edge quality. Pressure compensated hydraulic pumps and exclusive electronic shift technology have set the standard for performance and reliability.

### 4 | LOWEST COST of OPERATION

AccuStream boasts the industries most reliable and cost efficient water jet pump available today. With unsurpassed cutting speeds, increased component life, and cost effective replacement parts, the AS-6100 is the perfect choice for those conscious of the bottom line.

### 5 | BUILT to LAST

AccuStream brings decades of experience, rigorous research, and ongoing product development to everything we do. The combination of intelligent design and quality manufacturing add up to a pump that delivers maximum longevity and reliability.

**AS Series** INTENSIFIER PUMPS  
POWER FOR EVERY PURPOSE  
by AccuStream



PRODUCT

# AS-60100 100 HP 60,000 psi INTENSIFIER PUMP



## Pump Highlights

- Variable volume piston pump
- Kidney loop oil cooling and filtration
- TEFC motor
- Safety bleed down valve
- Inlet water:  
accumulator  
booster pump  
10, 1 & .45 micron filtration
- Electronic monitoring
- Easy to read front mounted gauges
- 2 liter attenuator
- Remote control connectivity

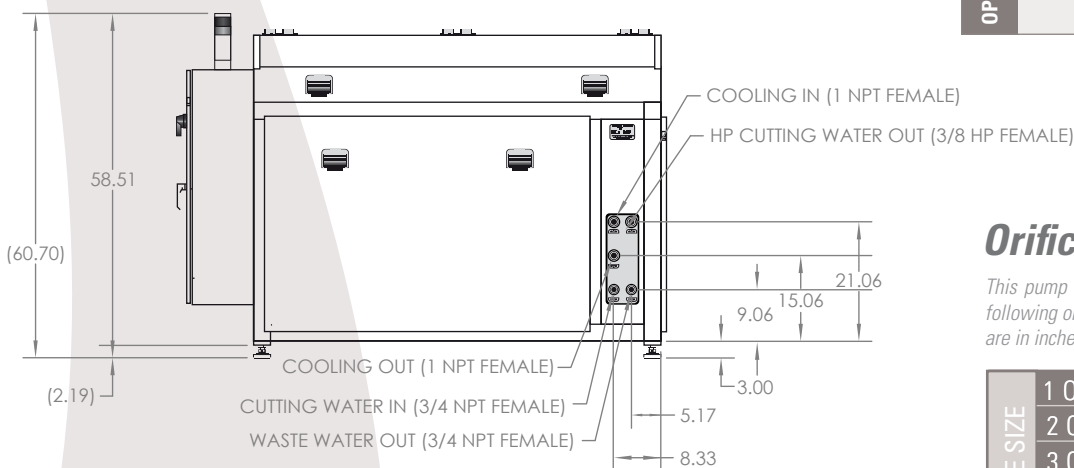
## Specifications

|         |                             | 50 Hz                                   | 60 Hz        |
|---------|-----------------------------|---|--------------|
| GENERAL | Max. Output Flow, gpm (lpm) | 2.1 (7.95)                              | 2.2 (8.33)   |
|         | Max. Orifice, in (mm)       | 0.020 (0.51)                            | 0.021 (0.53) |
|         | Continuous Output Pressure  | All Adjustable to 60,000 psi (4137 bar) |              |
|         | Intensifier Configuration   | Dual                                    |              |
|         | Pressure Control            | Electronic Proportional Control         |              |
|         | Bleed Down Valve            | Hydraulic                               |              |

|            |                      |          |         |
|------------|----------------------|----------|---------|
| PUMP POWER | Motor Power, hp (kw) | 100 (74) |         |
|            | Voltage, V           | 400      | 460/575 |
|            | Full Load Amps, A    | 139      | 118/95  |
|            | Main Breaker, A      | 150      | 150/125 |
|            | Soft Start           | Y-Delta  |         |

|          |                                   |             |  |
|----------|-----------------------------------|-------------|--|
| PHYSICAL | Overall Width, in (mm)            | 45 (1143)   |  |
|          | Overall Length, in (mm)           | 86 (2184)   |  |
|          | Overall Height, in (mm)           | 56 (1422)   |  |
|          | Approx. Operating Weight, lb (kg) | 4150 (1882) |  |

|         |                         |
|---------|-------------------------|
| OPTIONS | Air over Oil Cooling    |
|         | Chiller for Oil Cooling |
|         | Water Isolation Valves  |



## Orifice Combinations

This pump will support the following orifice sizes (sizes are in inches and mm)

| ORIFICE SIZE       | FREQUENCY (Hz) | 50 Hz             | 60 Hz    |
|--------------------|----------------|-------------------|----------|
|                    |                | 1 Orifice (in/mm) | .020/.51 |
| 2 Orifices (in/mm) |                | .014/.36          | .015/.38 |
| 3 Orifices (in/mm) |                | .011/.28          | .011/.28 |
| 4 Orifices (in/mm) |                | .010/.25          | .010/.25 |
| 5 Orifices (in/mm) |                | .009/.23          | .009/.23 |
| 6 Orifices (in/mm) |                | .008/.20          | .008/.20 |