ALTAMIRA

# HORIZONTAL MULTISTAGE CENTRIFUGAL PUMPS

**ONIX SERIES** B4 B5

» TECHNICAL DATA SHEET

High-pressure, corrosion-proof horizontal multi-stage centrifugal pumps.

# ONIX SERIES - CHARACTERISTICS

High-pressure horizontal multistage centrifugal pumps engineered with reinforced engineering polymers for demanding water treatment and Irrigation applications.

## APPLICATIONS

- Multi-story building pressure boosting, hydropneumatic tank charging, and HVAC secondary loop circulation.
- Reverse Osmosis (RO) pre-filtration, deionized water transfer, and non-flammable chemical dosing compatible with polypropylene.
- Precision greenhouse irrigation, hydroponic nutrient delivery systems, and livestock water distribution.
- High-flow residential pressure enhancement for luxury estates and decentralized water systems.

LIMITED WARRANTY 2 YEARS

## ADVANTAGES

Structural Thread Reinforcement.

- All wetted components-including the pump body, Impellers, and diffusers-are manufactured from high-resistance engineering plastics, minimizing corrosion, scaling, and metallic contamination
- Unlike standard plastic pumps, the ONIX features 304 Stainless Steel reinforcement rings on both suction and discharge ports to prevent thread deformation and ensure leak-free NPT connections under high torque conditions.
- Equipped with a TEFC motor with Class F insulation, ensuring reliable operating in utility rooms and outdoor installations.
- The vibration-dampening properties of reinforced polypropylene provide significantly lower decibel levels during operation compared to traditional cast-iron multistage pumps.

## FEATURES

- 30% glass-fiber reinforced polypropylene (pump body, impellers, and diffusers).
- AISI 304 stainless steel reinforcement rings and hardware
- Aluminum/cast iron hybrid base for rigid mounting and heat dissipation.
- High-grade EPDM seals suitable for potable water applications and enhanced chemical resistance.

## TECHNICAL SPECS

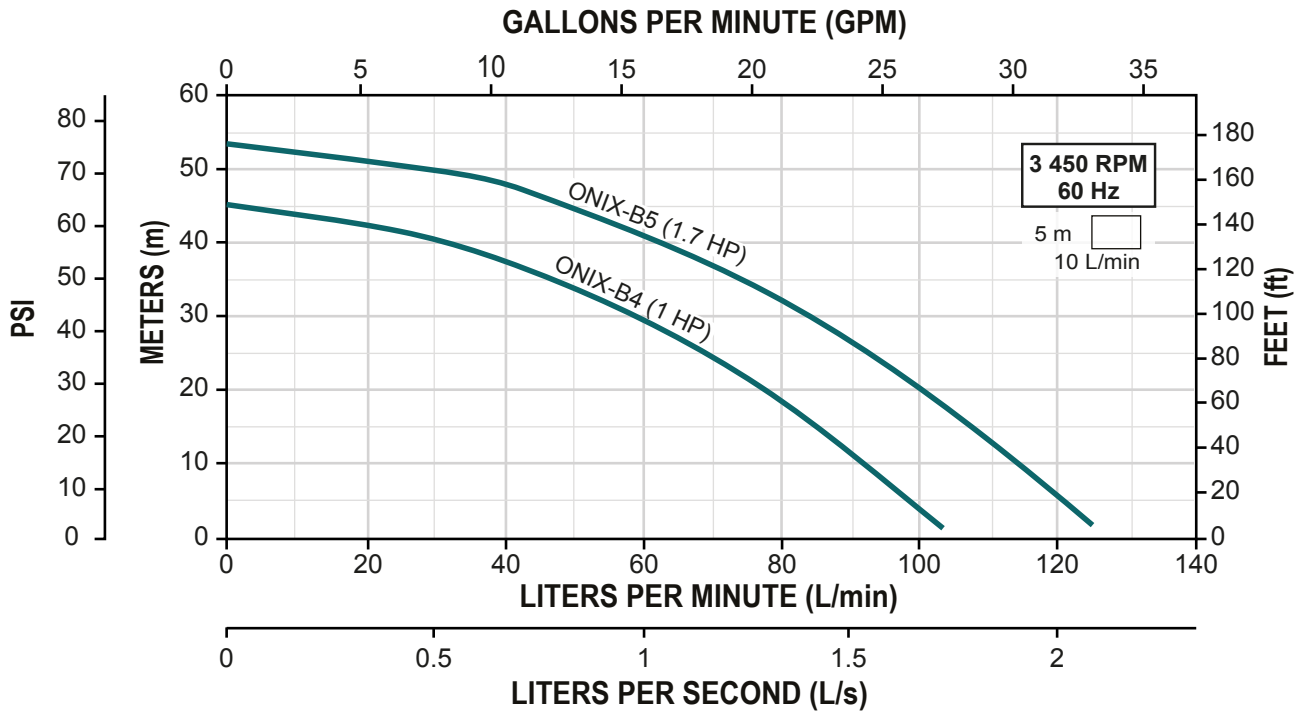
### OPERATIONAL

| | |
|---|---|
| DUTY RATING | CONTINUOUS |
| RPM (60 Hz, 2 POLES) | 3 450 |
| LIQUID TEMPERATURE RANGE | 41 - 122 °F |
| MAX. AMBIENT TEMPERATURE | 122 °F |
| MAX. DESIGN PRESSURE | 87 psi |
| pH RANGE | 6 - 8 |

### PROTECTION

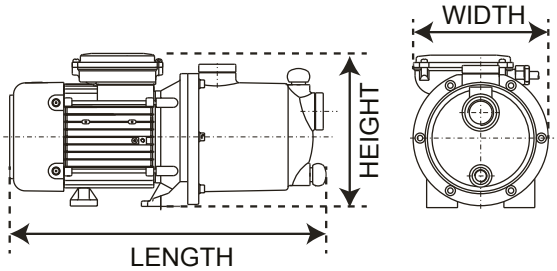
| | |
|---|---|
| INGRESS PROTECTION | IP55 |
| INSULATION CLASS | F |
| INTEGRATED THERMAL PROTECTION | |

# ONIX SERIES - PERFORMANCE & DIMENSIONS




## PERFORMANCE DATA

| GTIN-13 (E-COMMERCE CODE) | MODEL | POWER | | PHASES × VOLTAGE (Ø × V~) | FULL LOAD AMPER. (A) | SUCTION × DISCHARGE (in) | MRD * (in) | SHUT-OFF PRESSURE | | | HEAD IN ft | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 32.8 | 82.0 | 131.2 | 164.0 |
| | | HP | kW | | | | | m | ft | psi | FLOW RATE IN gpm | | | |
| 7503052732033 | ONIX-B4-1127 | 1 | 0.75 | 1 × 127 | 7.9 | 1 × 1 NPT | 1.25 | 45 | 147.6 | 64 | 24.3 | 18.5 | 7.9 | |
| 7503052732040 | ONIX-B5-1127 | 1.7 | 1.25 | | 11.2 | | | 53 | 173.8 | 75 | 30.1 | 24.3 | 15.9 | 14.0 |
| 7503052732057 | ONIX-B5-1230 | | | 1 × 230 | 6 | | | | | | | | | |

## DIMENSIONS & WEIGHT

| MODEL | DIMENSIONS (in) | | | WEIGHT (lb) |
|---|---|---|---|---|
| | LENGTH | HEIGHT | WIDTH | |
| ONIX-B4-1127 | 16.5 | 8.3 | 7.5 | 23.2 |
| ONIX-B5-1127 | | | | 25.4 |
| ONIX-B5-1230 | | | | |