6" AND 8"
SUBMERSIBLE MOTORS

LOWER OPERATING COSTS*
LOWER AMPS, LOWER WATTS,
HIGHER EFFICIENCIES

THREE LAYERS OF DEFENSE AGAINST
SAND AND DEBRIS INTRUSION

WWW.BERKELEYPUMPS.COM

*"Motors - SOURCES: Table 8 "Characteristics of Irrigation Wells Used on Farms - 2013" - 2013 Farm and Ranch Irrigation Survey, (from the 2012 Census of Agriculture) United States Department of Agriculture (USDA) National Agricultural Statistics Service (NASS); Table 5.6.A, "Average Retail Price of Electricity to Ultimate Customer by End-Use Sector"; Electric Power Monthly, United States Electric Information Administration, (U.S. DOE) data from May 2015; competitors' published data; Pentek XE-6 data tested and published in Pentek XE-6 Owner's Manual PN8989 (Rev. 10/01/15). Based on the motor's watts at full service factor, average hours of operation for irrigation wells used on farms; average retail price of electricity for farms
PENTEK® XE-6 / XE-8
6" and 8" SUBMERSIBLE MOTORS
For high-thrust water well applications; encapsulated design

Delivers outstanding performance through lower amp draw and higher efficiencies, which yields lower operating costs. Combined with many durable, innovative, and advanced design features, the Pentek XE-6 and XE-8 are the perfect solution for your submersible motor needs.

- Exceptional insulation rating (Class F) and temperature rating (95 F / 35 C)
- IP68 protection rating
- VFD-compatible
- Vertical or Horizontal operation

Shaft – 17-4 stainless steel
- High strength / high corrosion resistance
- Outstanding mechanical properties at high temps
- NEMA splined – spline detail includes chamfered edges for easier assembly to the pump

Motor casing – 304 stainless steel
- The most versatile and widely-used stainless steel
- Excellent formability and welding characteristics
- Excellent corrosion resistance

Upper and lower bracket
- Epoxy-coated cast iron – coating is TNEMEC 140, an NSF-certified coating

Upper bracket – “dual-flange” design
- Faster and easier assembly to the pump

Motor Lead – XLPE (not shown)
- 17′ – potted connection, including ground wire
- Non-jacketed wire assembly for easier handling and connections
- Fully field replaceable

Thrust bearing
- Water-lubricated, Kingsbury-type
- Thrust ratings are between 3% and 35% better than leading 6" submersible motors

Pressure equalizing diaphragm
- Utilizes static pressure to regulate internal pressure, and minimize expansion pressure
- Spring-less design – less parts, less complexity

EXCLUSIVE ADVANCED PROTECTION SYSTEM
Provides THREE layers of defense against sand and debris intrusion

1) External sand slinger boot
- Features a labyrinth seal design to better capture any sand or debris, keeping it away from the shaft

2) Lip seal
- Located below the sand slinger, providing an extra layer of protection

3) Mechanical seal – silicon carbide
- Excellent abrasion, wear, and corrosion resistance
- Resists deflection in high-pressure, high-heat, and high-speed conditions
- High thermal conductivity (heat dissipation)
- Provides superior protection against sand intrusion
### Motor Performance and Dimensional Data

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<tr>
<th>PHASE</th>
<th>MODEL #</th>
<th>HP</th>
<th>KW</th>
<th>VOLS</th>
<th>FULL LOAD</th>
<th>SERVICE FACTOR 1.15</th>
<th>LOCKED ROTOR AMPS</th>
<th>THRUST LOAD (lbs)</th>
<th>KVA CODE</th>
<th>LENGTH (includes shaft ext)</th>
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**Notes:**
- **Effective Diameter**
- **Nominal Diameter**
- **Insulation Class F**
- **Hz/Pole/Speed:** 60Hz / 2 Pole / 3450 RPM
PENTEK® CONTROL BOXES

For PENTEK XE-6 single phase motors

14 ga steel enclosure with polyester powder-coated paint
• Heavy-duty construction, high durability and corrosion-resistance

Continuous hinge door
• Easy access – no need to remove during installation or service
• Opens past 180° for easy access

Integral mounting flange
• Easy to wall-mount while maintaining NEMA 4 rating

Multiple knockout (embossed) options
• 2 – dual 1/2” – 3/4”
• 2 – dual 3/4” – 1”
• 2 – dual 1-1/4” – 1-1/2”

Seamless, foamed-in-place door gasket
• Excellent protection against intrusion from dirt, dust, rain, sleet, snow or wind-directed water

Bonding provision on door
• When required by code

PENTEK single phase control boxes for PENTEK XE-6 single phase motors

60Hz 2 POLE

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FAST SHIPPING
Available same day from the following Pentair locations:
Fresno, CA; Grand Island, NE; Delavan, WI; Jacksonville, FL; Lubbock, TX
Motors not stocked at your nearest facility will be drop shipped from another stocking location

PRE-PAID FREIGHT
Pre-paid freight to distributor location on one or more motors. If motor order is combined with other Pentair products, standard pre-paid freight terms apply.

WARRANTY
12 months from Date of Installation / 24 months from Date of Manufacture
For members of the Pro Dealer program, warranty is 24 months from Date of Installation / 36 months from Date of Manufacture