



PENTAIR
PENTEK

XE-6 / XE-8

6" AND 8" SUBMERSIBLE MOTORS



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

**THREE LAYERS OF DEFENSE AGAINST
SAND AND DEBRIS INTRUSION**

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*6" 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. EIA) data from May 2015; competitors' published data; Pentek XE-6 data tested and published in Pentek XE-6 Owner's Manual PN989 (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

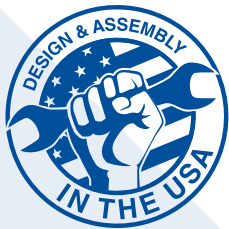
PENTEK® XE-6 / XE-8

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 forming 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

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



NEMA 4 rated enclosure (compare to competition at only NEMA 3)

IP66 Ingress Protection rating

Opens with two quarter-turn latches

- No risk of lost door fasteners, no tools needed

Locking Hasp

- Added security

Size - 16" x 14"

- Generous size allows for more room to work inside the box
- Easier conduit attachment, wire pulling, and wire connections

Terminals accept up to 4AWG wire

Magnetic line contactors

- Included standard on each box

Removable back panel

- All electric components mounted on panel
- Easy installation and servicing, when downtime is critical

PENTEK single phase control boxes for PENTEK XE-6 single phase motors 60Hz 2 POLE

PHASE	MODEL #	HP	KW	VOLTS	CONTROL BOX DIMENSIONS						LBS	KG
					HEIGHT		WIDTH		DEPTH			
					IN	MM	IN	MM	IN	MM		
1	PTKX-5SCB	5	3.70	230	14.0	356	12.0	304.8	6.0	152.4	30	13.6
	PTKX-7SCB	7.5	5.60								32	14.5
	PTKX-10SCB	10	7.50								33.2	15.1
	PTKX-15SCB	15	11.20									

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



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