

PENTEK® XE SERIES 4" HIGH-THRUST SUBMERSIBLE MOTORS.

1/2 — 1-1/2 HP, single phase,
2 and 3-wire, 115V and 230V, 60Hz.



XE Series



PENTEK®
Pentair Water

FINALLY, A MOTOR AS GOOD AS OUR PUMPS.

- ▶ Proved to be as tough as our pumps in rigorous field and lab testing.
- ▶ 2-wire permanent split capacitor design draws 20% fewer amps than competitors — the best in its class.
- ▶ 3-wire motors are 20% more efficient when sized with PENTEK SMC-CR control box.
- ▶ Warranties that are tough to beat — up to 5-Years with “no paperwork” plus 1-Year labor agreement (see programs for details).

Protector
+Plus Extended
Warranty
Program



- ▶ Quieter operation — 2-wire PSC design includes patented toroidal capacitor for smooth, vibration-free performance.
- ▶ 304L stainless steel end bells and shell are designed for maximum corrosion-resistance.
- ▶ Certified performance — UL, CSA and NSF approved.



- ▶ Oversized 700 lb. Kingsbury-type bearings allow for higher thrust loads, promoting longer motor life.
- ▶ Improved thermal handling — professional grade Class F compliant motor insulation ensures longer motor life.
- ▶ Equipped with surge arrestors.
- ▶ Automatic thermal protection equipped.

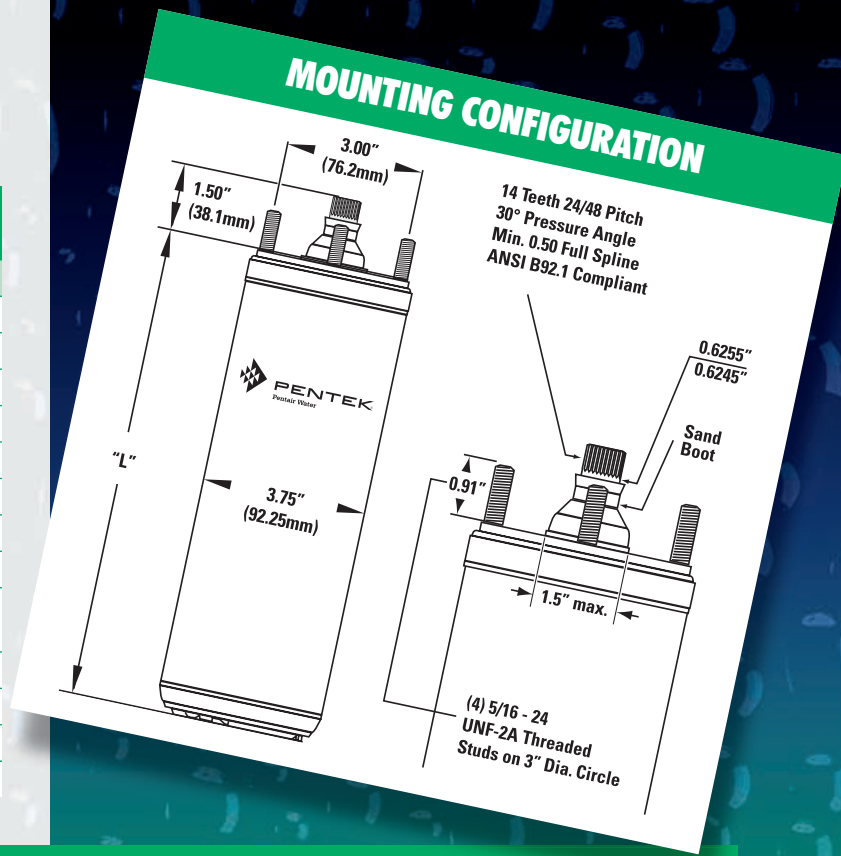
Tested. Tough. Technology.

4" HIGH-THRUST SUBMERSIBLE MOTORS

MATERIALS OF CONSTRUCTION

PARTS	MATERIALS
End Bell	304L cast stainless steel, rounded bottom
Shell	304L stainless steel, laser-welded to end bells
Motor Shaft	17-4 precipitation hardened SS
Insulation	Class F, 311°F (155°C)
Max. Water Temp.	86°F (30°C)
Fasteners	304-grade stainless steel
Lip Seal	Nitrile
Sand Boot	Nitrile
Cable	Field-serviceable, controlled compression design UL, CSA and NSF approved
Cable Length	48"
Diaphragm	EPDM
Thrust Bearings	Kingsbury-type, pivot shoe, carbon graphite mating ring
Thrust Load Capacity	700 lbs.

Consult PENTEK Electronics Manual for high-temperature applications.



TECHNICAL DATA

HP	KW	Volts	PH	HZ	Catalog Number	Amp Rating (Full Load)	Amp Rating (S.F.)	Locked Rotor Amps	Winding Resistance (Ohms)	Length (L)		Weight	
										In.	MM	Lbs.	Kg
TWO-WIRE PSC MOTORS													
0.5	0.37	115	1	60	P42B0005A1	7.4	9.5	36.4	1.4-1.7 Line to Line	11.0	279	19.2	8.7
		230	1	60	P42B0005A2	3.7	4.7	19.5	4.6-5.6 Line to Line	11.0	279	19.2	8.7
0.75	0.55	230	1	60	P42B0007A2	5.0	6.4	24.8	3.5-4.3 Line to Line	12.4	314	22.7	10.3
1.0	0.75	230	1	60	P42B0010A2	C.F.	C.F.	C.F.	C.F.	13.3	337	24.5	11.1
1.5	1.1	230	1	60	P42B0015A2	C.F.	C.F.	C.F.	C.F.	14.9	378	28.9	13.1
THREE-WIRE MOTORS													
0.5	0.37	115	1	60	P43B0005A1	10.1	11.5	49.6	M=1.1-1.4, Main (M), S=5.7-7.0 Start (S)	10.0	254	18.9	8.6
		230	1	60	P43B0005A2	5.5	6.3	22.3	M=4.0-4.9, Main (M), S=16.3-19.9 Start (S)	9.7	246	18.1	8.2
0.75	0.55	230	1	60	P43B0007A2	7.2	8.3	32.0	M=2.7-3.3, Main (M), S=11.1-13.6 Start (S)	10.8	274	21.4	9.7
1.0	0.75	230	1	60	P43B0010A2	8.4	9.7	41.2	M=2.5-3.1, Main (M), S=10.6-13.0 Start (S)	11.7	297	23.1	10.5
1.5	1.1	230	1	60	P43B0015A2	9.2	11.1	47.8	M=1.9-2.4, Main (M), S=7.4-9.1 Start (S)	13.6	345	27.4	12.4

*Amp ratings on 3-wire motors reflect use with CSIR controls. A CSCR control is recommended for lower values.



Protector +Plus Extended Warranty Program

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