



ENCAPSULATED MOTOR INSPECTION DATA

1. SHAFT HEIGHT AND FREE END PLAY

Motor	Nominal Shaft Height		Dimension Shaft Height		Free End Play	
					Min.	Max.
4"	1 1/2"	38.1 mm	<u>1.508"</u> 1.498"	<u>38.30 mm</u> 38.05 mm	.010" .25 mm	.045" 1.14 mm
6"	2 7/8"	73.0 mm	<u>2.875"</u> 2.869"	<u>73.02 mm</u> 72.88 mm	.030" .75 mm	.050" 1.25 mm
8" Type 1	4"	101.5 mm	<u>4.000"</u> 3.990"	<u>101.60 mm</u> 101.35 mm	.008" .20 mm	.020" .50 mm
8" Type 2	4"	101.5 mm	<u>4.000"</u> 3.990"	<u>101.60 mm</u> 101.35 mm	.035" .89 mm	.060" 1.52 mm
8" Type 2.1	4"	101.5 mm	<u>4.000"</u> 3.990"	<u>101.60 mm</u> 101.35 mm	.030" .75 mm	.080" 2.03 mm

2. TIGHTENING LEAD CONNECTOR JAM NUT

4" Motors - All	-	15 to 20 lb.ft. (20 - 27 Nm)
6" Motors - All	-	50 to 60 lb.ft. (68 - 81 Nm)
8" Motors - Jam Nut	-	50 to 60 lb.ft. (68 - 81 Nm)
8" Motors - Screw Plate	-	80 to 70 in.lb (9 - 10.2 Nm)

It is recommended that a new lead assembly be used when one is removed from the motor, as rubber set and possible damage from removal may prevent resealing.

3. DIAPHRAGM POSITION MEASUREMENT

Measure from Diaphragm Cover to Diaphragm via hole at base of motor.

MOTOR TYPE

DIAPHRAGM MEASUREMENT

4"	High Thrust, Cast Thrust Housing	14 mm to 18 mm
4"	High Thrust, Straight (Clad) Thrust Housing	8 mm to 12 mm
6"	Straight Thrust Housing	31 mm to 38 mm
6"	Tapered Thrust Housing	57 mm to 61 mm
6"	Straight (Clad) Thrust Housing	17 mm to 21 mm
8"	Type 1 (Straight Thrust Housing)	33 mm to 43 mm
8"	Type 2 and Type 2.1 (Tapered Thrust Housing)	32 mm to 38 mm

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