4" CS MOTORS



SPECIFICATIONS:

- Oil Filled Rewindable - NEMA Standard
- Class F Insulation - IP 68 Protection
- Motor power output up to 7.5 kW/10 Hp
- Filled with food grade white oil
- Fitted with high quality Mechanical Seal
- Assembled with Heavy Duty Bearings
- Cold rolled silicon steel lamination
- Top Bracket: Stainless Steel cover over Cast iron
- Maximum immersion depth of 100 meters
- Maximum water temperature of 40° Celcius
- Maximum start and stop of 30 times per hour
- Maximum cooling water flow of 8 cm/second
- Thrust load:
  - 1,500N (0.37 - 0.75 kW)
  - 2,500N (1.1 - 2.2 kW)
  - 4,500N (3.0 kW - 7.5 kW)

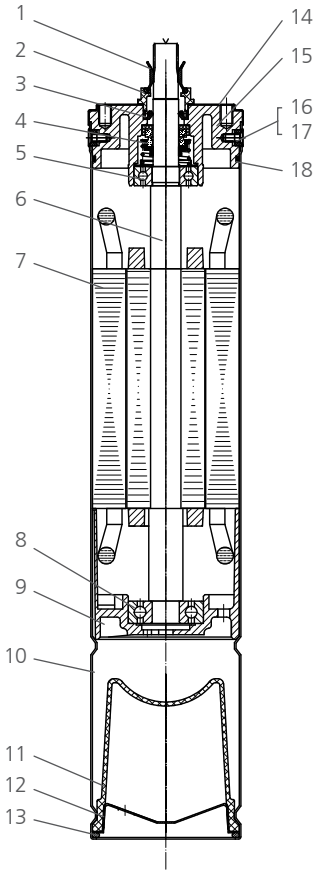
4” CS | 4” SUBMERSIBLE MOTORS | 50 HZ – 2 POLES – 2850 RPM

4" Single Phase 220/230V							
Motor Power		Current (Amp)	Power Factor (COSΦ)	Speed (rpm)	Cable Size (mm^2)	Cable Length (m)	Capacitor (uF)
KW	HP						
0.37	0.55	5.0	0.88	2850	1.5	1.5	30
0.55	0.75	6.2	0.89	2850	1.5	1.5	40
0.75	1.00	7.5	0.9	2850	1.5	1.5	45
1.10	1.50	10.8	0.9	2850	1.5	1.5	60
1.50	2.00	12.8	0.94	2850	1.5	1.5	65
2.20	3.00	16.2	0.96	2850	2.0	2.0	80

4" Three Phase 380/400V						
Motor Power		Current (Amp)	Power Factor (COSΦ)	Speed (rpm)	Cable Size (mm^2)	Cable Length (m)
KW	HP					
0.75	1.00	2.7	0.81	2850	1.5	1.5
1.10	1.50	3.9	0.82	2850	1.5	1.5
1.50	2.00	5	0.82	2850	1.5	1.5
2.20	3.00	6.8	0.83	2850	2.0	2.0
3.00	4.00	7.8	0.83	2850	2.0	2.2
4.00	5.50	10.3	0.83	2850	2.0	2.2
5.50	7.50	13	0.85	2850	2.3	2.5
7.50	10.00	17.6	0.85	2850	2.3	2.8

4" CS MOTORS

CROSS SECTIONAL DRAWING AND PARTS LIST FOR 4" MOTOR



Ref. No.	Description	Material
1	Sand Proof Cup	N.B.R
2	Sand Proof Seat	Plastic
3	Oil Seal	N.B.R
4	Mechanical Seal	Graphite - Ceramic
5	Bearing	C&U
6	Rotor	45#+303
7	Stator	Copper wire + Cold Silicon Sheet
8	Bearing	C&U
9	Bearing Seat	Aluminium
10	Sleeve	Stainless Steel 201 / 304
11	Rubber Cup	N.B.R
12	End Cover	Stainless Steel 201 / 304
13	Clamping Spring	Stainless Steel 201 / 304
14	Oil Chamber Cover	Stainless Steel 304
15	Oil Chamber	Cast Iron / Brass
16	Locking ring	Stainless Steel 304
17	Screw	Stainless Steel 304
18	O-Ring	N.B.R

DYNATECH
Made With Pride
For Heavy Duty and Sandy Wells

Motor shaft seal



VS



With extra ceramic seal structure

others

Normal mechanical seal

DYNATECH
Made With Pride
For Heavy Duty and Sandy Wells

rotor



VS



- ✓ ≥5.5Kw with copper-embedded rotor ; High efficiency, low noise & vibration, low temperature rise
- ✓ ≥1.5Kw with double lower bearing to ensure the motor running more stablely

others

- Normal aluminum-casting rotor
- Single lower bearing with high axial force

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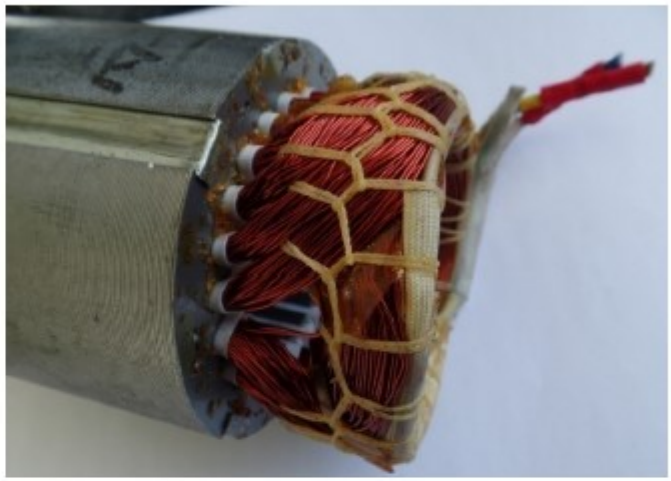
stator





USA brand
thermal protector

VS



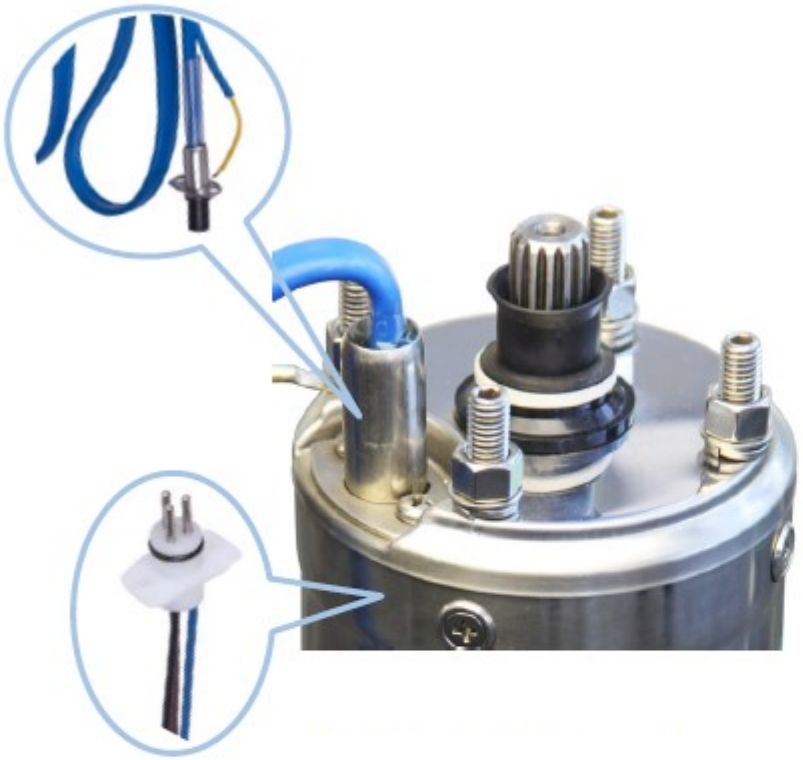
others

- ✓ 180℃ & insulation Class H wire
- ✓ USA brand thermal protector
- ✓ Enough stack height and sufficient wire to ensure enough power and excellent electrical performance
- ✓ Suitable for VFD control

- Normal with 130-155 ℃ & Class B wire
- Without thermal protector
- Not suitable for VFD control

DYNATECH
Made With Pride
For Heavy Duty and Sandy Wells

Motor



VS







others

- ✓ Low temperature resistant cable ,lower to -20℃
- ✓ Plug-out structure
- ✓ High temperature resistant lead wire, reliable insulation
- ✓ NEMA standard

- Fixed plug, difficult for repair
- Insulation risk
- Non NEMA standard