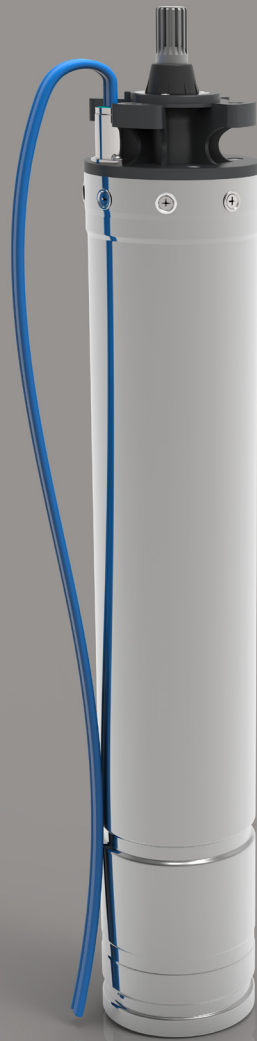


# 60M

50 Hz - 60 Hz



**6" REWINDABLE OIL FILLED  
SUBMERSIBLE MOTORS**



**Made in Italy**



## TECHNICAL SPECIFICATIONS

### REWINDABLE MOTORS

**MOTOR/PUMP FLANGE**  
6" NEMA STANDARD

### POWERS

Three-phase: from 5,5 to 50 Hp

### VOLTAGE

Three-phase: 380;400;415 V / 50 Hz - 220;380;460 V / 60 Hz

### THRUST LOAD

From 5,5 to 20 Hp: 10000 N

From 25 to 50 Hp: 20000 N

### CONNECTION

D.O.L.

Δ / Δ

## CONSTRUCTION FEATURES

**PARTS IN CONTACT WITH WATER** all made in AISI 304 stainless steel.

**EXTERNAL SLEEVE AND BOTTOM** made in AISI 304 stainless steel. More specifically, the sleeve is in 304L (Low Carbon) to avoid possible corruptions on the welding.

**UPPER BRACKET** made in cast iron with cataphoresis treatment in the standard version; 316 stainless steel available upon request. Sleeve clamping is ensured for the whole series by 8 inserts.

**DOUBLE OIL CHAMBER** interposed between the mechanical seal and motor's sand protection system thanks the bracket specifically designed on two levels. In this way a special mechanical seal protection is guaranteed.

**MECHANICAL SEAL** made in graphite/ceramic in the standard version; SIC-SIC version available upon request.

**BALL BEARINGS** duly oversized to ensure a long lasting motor.

**STATOR** specifically developed to achieve maximum electrical yield. Airtight sealed and immersed in selected mineral white and highly refined oil, suitable to be used in drinking water (F.D.A., Food and Drug Administration, approved).

**REMOVABLE POWER CABLE-CONNECTOR** to ensure a perfect sealing, also in the most critical conditions, and to aid maintenance operations. More specifically, the connector prevents oil from rising in the conductors up to the joint, thus enabling immersion at greater depths. The power cable complies with all major standards on the use in drinking water (KTW, ACS, WRAS).

**SHAFT** made in carbon-steel alloys in the rotor area, to foster electrical features. DUPLEX stainless steel projection. This steel combines excellent resistance to corrosion and high mechanical resistance, which is necessary where starting torque becomes really important.

**100% TESTED**, all motors are tested at the end of the line. Seal and electrical checks are carried out on all motors.

## VERSIONS UPON REQUEST

Different thrust loads

Different voltage

Sic-Sic mechanical seal

Upper bracket made in 316 stainless steel

## OPERATING LIMITS

### DEGREE OF PROTECTION

IP 68

### INSULATION CLASS

F

### VOLTAGE TOLERANCE

-10% / +10%

### PUMPED LIQUID TEMPERATURE

0°C - 35°C

### MIN. COOLING FLOW

0,1 m/s

### MAX. STARTS / HOUR

30

### MOUNTING

Vertical (Horizontal up to 20 Hp)

### MAX. IMMERSION DEPTH

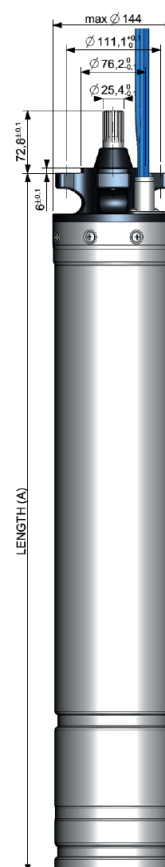
200 m

## ACCESSORIES

Different cable lengths

Control panels *E.S.P.* (up to 15 Hp)

## DIMENSIONS



## ELECTRICAL DATA 6OM - 50Hz

| Type      | Voltage [V] | P <sub>2</sub> [Hp] | P <sub>2</sub> [kW] | Ph | I <sub>n</sub> [A] | I <sub>avv</sub> [A] | rpm  | cos φ | η [%] | Thrust Load [N] | Length A [mm] | Weight [kg] | Cable Length [m] | Cable Section [mm²] |
|-----------|-------------|---------------------|---------------------|----|--------------------|----------------------|------|-------|-------|-----------------|---------------|-------------|------------------|---------------------|
| 6OM-T0550 | 380         | 5,5                 | 4                   | 3  | 8,9                | 47                   | 2830 | 0,85  | 76    | 10000           | 595           | 33          | 3                | 4 x 4               |
|           | 400         |                     |                     |    | 9,1                |                      | 2840 | 0,86  | 74    |                 |               |             |                  |                     |
|           | 415         |                     |                     |    | 9,3                |                      | 2850 | 0,86  | 72    |                 |               |             |                  |                     |
| 6OM-T0750 | 380         | 7,5                 | 5,5                 | 3  | 12,9               | 66                   | 2830 | 0,82  | 75    |                 | 625           | 35          |                  |                     |
|           | 400         |                     |                     |    | 12,8               |                      | 2840 | 0,84  | 74    |                 |               |             |                  |                     |
|           | 415         |                     |                     |    | 12,7               |                      | 2850 | 0,83  | 75    |                 |               |             |                  |                     |
| 6OM-T1000 | 380         | 10                  | 7,5                 | 3  | 17,1               | 81                   | 2840 | 0,80  | 79    |                 | 660           | 38          |                  |                     |
|           | 400         |                     |                     |    | 16,8               |                      | 2850 | 0,83  | 78    |                 |               |             |                  |                     |
|           | 415         |                     |                     |    | 16,4               |                      | 2860 | 0,85  | 78    |                 |               |             |                  |                     |
| 6OM-T1250 | 380         | 12,5                | 9,2                 | 3  | 21,8               | 98                   | 2860 | 0,76  | 80    |                 | 700           | 40          |                  |                     |
|           | 400         |                     |                     |    | 21,2               |                      | 2880 | 0,77  | 81    |                 |               |             |                  |                     |
|           | 415         |                     |                     |    | 19,7               |                      | 2890 | 0,85  | 79    |                 |               |             |                  |                     |
| 6OM-T1500 | 380         | 15                  | 11                  | 3  | 23,8               | 123                  | 2840 | 0,79  | 84    |                 | 765           | 44          |                  |                     |
|           | 400         |                     |                     |    | 22,9               |                      | 2850 | 0,82  | 85    |                 |               |             |                  |                     |
|           | 415         |                     |                     |    | 23,2               |                      | 2870 | 0,83  | 82    |                 |               |             |                  |                     |
| 6OM-T1750 | 380         | 17,5                | 13                  | 3  | 27,8               | 141                  | 2850 | 0,80  | 83    |                 | 820           | 51          |                  |                     |
|           | 400         |                     |                     |    | 27,6               |                      | 2860 | 0,80  | 84    |                 |               |             |                  |                     |
|           | 415         |                     |                     |    | 27,3               |                      | 2870 | 0,83  | 82    |                 |               |             |                  |                     |
| 6OM-T2000 | 380         | 20                  | 15                  | 3  | 31,6               | 158                  | 2830 | 0,85  | 81    |                 | 820           | 52          |                  |                     |
|           | 400         |                     |                     |    | 30,7               |                      | 2840 | 0,86  | 82    |                 |               |             |                  |                     |
|           | 415         |                     |                     |    | 29,9               |                      | 2860 | 0,89  | 80    |                 |               |             |                  |                     |
| 6OM-T2500 | 380         | 25                  | 18,5                | 3  | 39,0               | 231                  | 2840 | 0,82  | 83    | 20000           | 883           | 62          | 4                | 4 x 8               |
|           | 400         |                     |                     |    | 38,0               |                      | 2850 | 0,84  | 84    |                 |               |             |                  |                     |
|           | 415         |                     |                     |    | 38,5               |                      | 2860 | 0,84  | 83    |                 |               |             |                  |                     |
| 6OM-T3000 | 380         | 30                  | 22                  | 3  | 44,0               | 258                  | 2830 | 0,88  | 82    |                 | 953           | 67          |                  |                     |
|           | 400         |                     |                     |    | 45,5               |                      | 2850 | 0,83  | 84    |                 |               |             |                  |                     |
|           | 415         |                     |                     |    | 46,5               |                      | 2860 | 0,82  | 83    |                 |               |             |                  |                     |
| 6OM-T3500 | 380         | 35                  | 26                  | 3  | 53,5               | 296                  | 2830 | 0,84  | 84    |                 | 1018          | 74          |                  |                     |
|           | 400         |                     |                     |    | 52,0               |                      | 2850 | 0,85  | 85    |                 |               |             |                  |                     |
|           | 415         |                     |                     |    | 51,5               |                      | 2860 | 0,86  | 85    |                 |               |             |                  |                     |
| 6OM-T4000 | 380         | 40                  | 30                  | 3  | 63,5               | 348                  | 2850 | 0,81  | 84    |                 | 1098          | 83          |                  |                     |
|           | 400         |                     |                     |    | 61,5               |                      | 2860 | 0,83  | 85    |                 |               |             |                  |                     |
|           | 415         |                     |                     |    | 63,0               |                      | 2870 | 0,83  | 83    |                 |               |             |                  |                     |
| 6OM-T5000 | 380         | 50                  | 37                  | 3  | 78,0               | 396                  | 2810 | 0,82  | 83    |                 | 1233          | 92          |                  |                     |
|           | 400         |                     |                     |    | 76,0               |                      | 2840 | 0,84  | 84    |                 |               |             |                  |                     |
|           | 415         |                     |                     |    | 77,0               |                      | 2850 | 0,85  | 82    |                 |               |             |                  |                     |

## ELECTRICAL DATA 6OM - 60Hz

| Type      | Voltage [V] | P <sub>2</sub> [Hp] | P <sub>2</sub> [kW] | Ph | I <sub>n</sub> [A] | I <sub>max</sub> [A] | rpm  | cos φ | η [%] | Thrust Load [N] | Length A [mm] | Weight [kg] | Cable Length [m] | Cable Section [mm²] |
|-----------|-------------|---------------------|---------------------|----|--------------------|----------------------|------|-------|-------|-----------------|---------------|-------------|------------------|---------------------|
| 6OM-T0550 | 220         | 5,5                 | 4                   | 3  | 16,1               | 16,9                 | 3435 | 0,79  | 74    | 10000           | 595           | 33          | 3                | 4 x 4               |
|           | 380         |                     |                     |    | 9,7                | 16,8                 | 3435 | 0,81  | 75    |                 |               |             |                  |                     |
|           | 460         |                     |                     |    | 7,9                | 9,1                  | 3435 | 0,79  | 76    |                 |               |             |                  |                     |
| 6OM-T0750 | 220         | 7,5                 | 5,5                 | 3  | 23,7               | 26,4                 | 3440 | 0,81  | 77    |                 | 625           | 35          |                  |                     |
|           | 380         |                     |                     |    | 13,2               | 15,3                 | 3440 | 0,78  | 78    |                 |               |             |                  |                     |
|           | 460         |                     |                     |    | 11,3               | 12,7                 | 3440 | 0,79  | 79    |                 |               |             |                  |                     |
| 6OM-T1000 | 220         | 10                  | 7,5                 | 3  | 28,4               | 32,9                 | 3435 | 0,81  | 79    |                 | 660           | 38          |                  |                     |
|           | 380         |                     |                     |    | 17,3               | 19,3                 | 3435 | 0,84  | 79    |                 |               |             |                  |                     |
|           | 460         |                     |                     |    | 14,7               | 16,6                 | 3435 | 0,85  | 80    |                 |               |             |                  |                     |
| 6OM-T1250 | 220         | 12,5                | 9,2                 | 3  | 34,6               | 36,2                 | 3455 | 0,80  | 80    |                 | 700           | 40          |                  |                     |
|           | 380         |                     |                     |    | 19,9               | 22,1                 | 3455 | 0,79  | 81    |                 |               |             |                  |                     |
|           | 460         |                     |                     |    | 19,7               | 22,2                 | 3455 | 0,79  | 82    |                 |               |             |                  |                     |
| 6OM-T1500 | 220         | 15                  | 11                  | 3  | 38,4               | 46,7                 | 3450 | 0,79  | 79    |                 | 765           | 44          |                  |                     |
|           | 380         |                     |                     |    | 25,8               | 29,6                 | 3450 | 0,81  | 80    |                 |               |             |                  |                     |
|           | 460         |                     |                     |    | 21,2               | 24,3                 | 3450 | 0,83  | 81    |                 |               |             |                  |                     |
| 6OM-T2000 | 220         | 20                  | 15                  | 3  | 54,1               | 60,8                 | 3435 | 0,77  | 80    |                 | 820           | 52          |                  |                     |
|           | 380         |                     |                     |    | 33,8               | 37,2                 | 3435 | 0,81  | 81    |                 |               |             |                  |                     |
|           | 460         |                     |                     |    | 27,8               | 30,9                 | 3435 | 0,80  | 82    |                 |               |             |                  |                     |
| 6OM-T2500 | 220         | 25                  | 18,5                | 3  | 66,5               | 75,5                 | 3445 | 0,81  | 81    | 20000           | 883           | 62          | 4                | 4 x 8               |
|           | 380         |                     |                     |    | 40,1               | 45,9                 | 3445 | 0,78  | 82    |                 |               |             |                  |                     |
|           | 460         |                     |                     |    | 35,7               | 38,5                 | 3445 | 0,8   | 83    |                 |               |             |                  |                     |
| 6OM-T3000 | 220         | 30                  | 22                  | 3  | 79,1               | 89,0                 | 3450 | 0,76  | 81    |                 | 953           | 67          |                  |                     |
|           | 380         |                     |                     |    | 46,2               | 53,8                 | 3450 | 0,81  | 83    |                 |               |             |                  |                     |
|           | 460         |                     |                     |    | 43,1               | 46,0                 | 3450 | 0,82  | 84    |                 |               |             |                  |                     |
| 6OM-T4000 | 380         | 40                  | 30                  | 3  | 65,1               | 74,2                 | 3445 | 0,82  | 84    |                 | 1098          | 83          |                  |                     |
|           | 460         |                     |                     |    | 55,2               | 61,2                 | 3445 | 0,80  | 85    |                 |               |             |                  |                     |
| 6OM-T5000 | 380         | 50                  | 37                  | 3  | 82,2               | 93,5                 | 3440 | 0,83  | 83    |                 | 1233          | 92          |                  |                     |
|           | 460         |                     |                     |    | 74,3               | 77,0                 | 3440 | 0,84  | 84    |                 |               |             |                  |                     |

# 60M

## VERSIONS AVAILABLE



**D.O.L. VERSION**



**$\lambda/\Delta$  VERSION**



**UPPER BRACKET MADE IN  
CAST IRON WITH CATAPHORESIS  
TREATMENT**



**UPPER BRACKET MADE IN  
316 STAINLESS STEEL**



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