

6OS SERIES 6" OIL-FILLED SUBMERSIBLE MOTORS

- The state-of-art design and choice of component materials ensure optimum operating performances, superior quality, reliability and ease of installation.

SPECIFICATIONS

- Shaft extension and couplings meet NEMA standards.
- Rewindable stator.
- Winding insulation: Class F .
- Protection grade: IP68.
- Filling fluid in compliance with standards concerning oils contact with foodstuffs and with the purity requirements specified by the annex to G.U. no. 104 of 20/04/1973; it also complies with F.D.A. (FOOD AND DRUG ADMINISTRATION) standards.
- Large compensation bellows for the expansion of the internal liquid.
- Oversized thrust bearings: Shaft supported by oversized angular bearings which can support thrust load up to 10000N.
- Mechanical seal with sand protection.
- Maximum immersion depth: 150 m .
- Maximum water temperature: 35°C.
- Max temperature applies to motors working in a installation capable of delivering a flow of water around the motor jacket of at least 0,16 m/s.
- Maximum number of starts per hour at regular intervals: 30 for direct start.
- Maximum allowable voltage fluctuations over the rated voltage: 380 V \pm 10 %.

MODELS

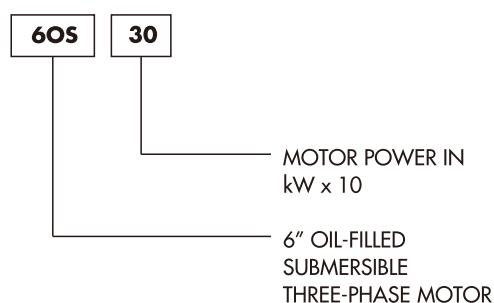
- Three-phase:
from 3 to 15 kW, 380 V, 50 Hz.

OPTIONAL FEATURES

- Different voltage and frequency.
- Different materials.



IDENTIFICATION CODE

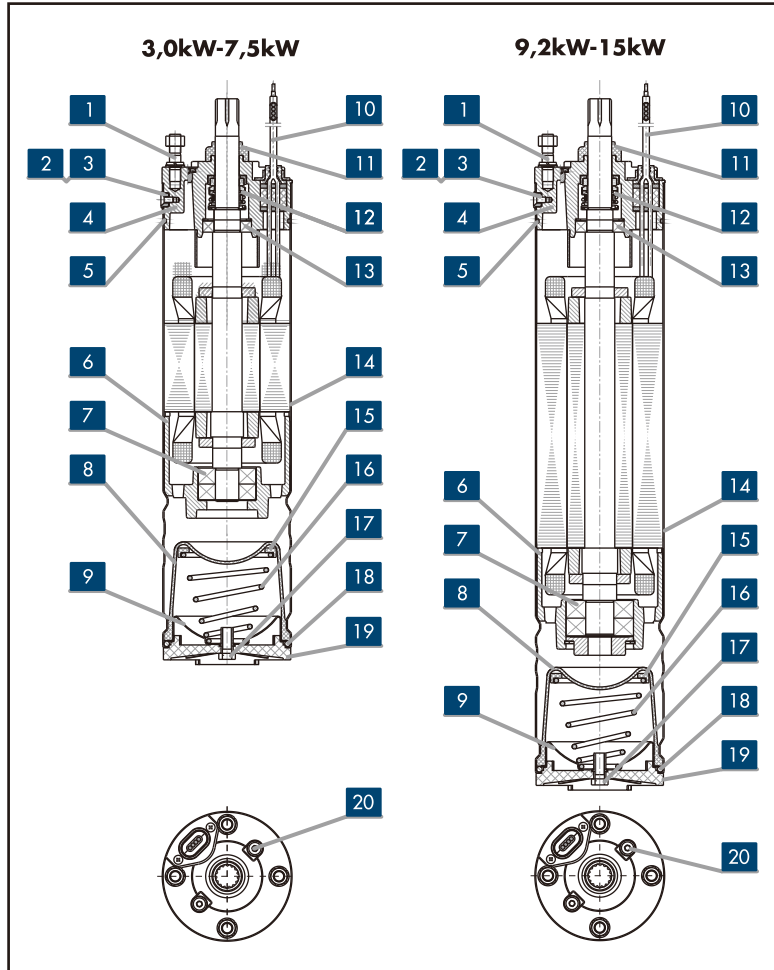


EXAMPLE OF MOTOR TYPE

6OS30

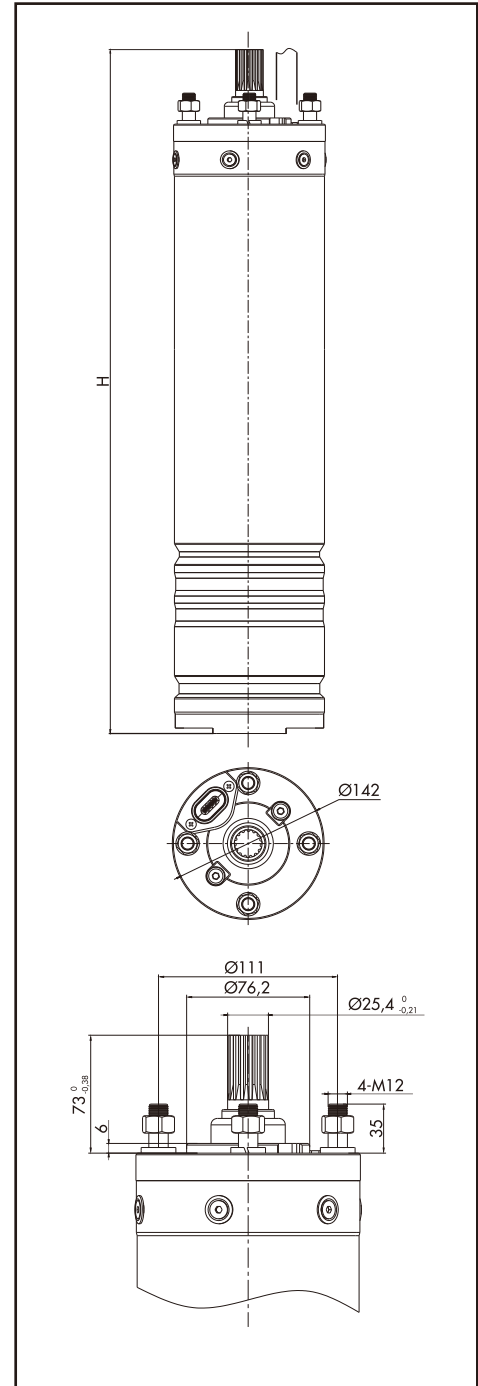
6" oil-filled submersible motor, three-phase, 3 kW (4 Hp).

60S SERIES MOTOR CROSS SECTION AND TABLE OF MATERIAL



REF.N.	PART	MATERIAL	STANDARD
1	Double ends studs	Stainless steel	AISI 304
2	Pin	Stainless steel	AISI 304
3	Screw	Stainless steel	AISI 304
4	Upper support	Cast iron	ASTM 200A
5	O-ring	NBR	-----
6	Lower support	Cast iron	ASTM 200A
7	Angular bearing	-----	-----
8	Compensation bellow	NBR	-----
9	Lower protection	Stainless steel	AISI 304
10	Cable	-----	-----
11	Sand protection	NBR	-----
12	Mechanical seal	Carbon/Ceramic	-----
13	Ball bearing	-----	-----
14	Motor shell	Stainless steel	AISI 304
15	Spring base	PA66	-----
16	Spring	Stainless steel	-----
17	Bolt	Stainless steel	AISI 304
18	Snap ring	Stainless steel	AISI 304
19	Protection support	ABS	-----
20	Filling screw	Stainless steel	AISI 304

DIMENSIONS AND WEIGHTS AT 50 Hz



MOTOR TYPE	POWER		H mm	WEIGHT kg
	kW	Hp		
60S30	3	4	605,5	27
60S40	4	5,5	625,5	29
60S55	5,5	7,5	655,5	32
60S75	7,5	10	695,5	36
60S92	9,2	12,5	738,5	41
60S110	11	15	768,5	44
60S130	13	17,5	798,5	46,5
60S150	15	20	848,5	51,5