

HY06

6" Rewindable oil Filled submersible Motors

hydroo®

6" REWINDABLE OIL FILLED SUBMERSIBLE MOTORS

Motors designed to work in 6" or wider wells. The use of very high quality Made in Italy materials and our strict tests together with consolidated know how ensure high mechanical resistance and high performing electric features.

All parts in contact with water are in AISI 304 stainless steel. The power cable with removable connector ensures perfect water-tightness. Designed to be easily repairable.

Product features

External Sleeve And Bottom:

Made in AISI 304 stainless steel. More specifically, the sleeve is in 304L (Low Carbon) to avoid possible corrossions on the welding.

Upper Support:

Cast iron with cataphoresis treatment. Sleeve clamping is ensured for the whole series by 8 inserts.

Mechanical Seal:

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:

It ensures perfect sealing in the most critical conditions and it aids 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:

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 static torque becomes really important.

100% Tested:

All motors are tested at the end of the line. An extremely effective seal check is also carried out on all motors.



THREE PHASE SUBMERSIBLE MOTORS 50Hz 400V OIL FILLED

Type	Voltage [V]	P ₂ [Hp]	P ₂ [kW]	Ph	I _n [A]	I _{lav} [A]	rpm	φ cos	η [%]	Thrust load [N]	Length A [mm]	Weight [kg]	Cable section [mm ²]	Cable Length [m]
HYO6-400T400 DOL HYO6-400T400 DS	400 400/690	5,5	4	3	9,1	47	2840	0,86	74	10000	595	34	4 x 4	3
HYO6-550T400 DOL HYO6-550T400 DS	400 400/690	7,5	5,5	3	12,8	66	2840	0,84	74	10000	625	41	4 x 4	3
HYO6-750T400 DOL HYO6-750T400 DS	400 400/690	10	7,5	3	16,8	81	2850	0,83	78	10000	660	46	4 x 4	3
HYO6-920T400 DOL HYO6-920T400 DS	400 400/690	12,5	9,2	3	21,2	98	2880	0,77	81	10000	700	48	4 x 4	3
HYO6-1100T400 DOL HYO6-1100T400 DS	400 400/690	15	11	3	22,9	123	2850	0,82	85	10000	765	52	4 x 4	3
HYO6-1300T400 DOL HYO6-1300T400 DS	400 400/690	17,5	13	3	27,6	141	2860	0,80	84	10000	820	57	4 x 4	3
HYO6-1500T400 DOL HYO6-1500T400 DS	400 400/690	20	15	3	30,7	158	2840	0,86	82	10000	820	58	4 x 4	3
HYO6-1850T400 DOL HYO6-1850T400 DS	400 400/690	25	18,5	3	38,0	231	2850	0,84	84	20000	883	64	4 x 8	4
HYO6-2200T400 DOL HYO6-2200T400 DS	400 400/690	30	22	3	45,5	258	2850	0,83	84	20000	953	71	4 x 8	4
HYO6-2600T400 DOL HYO6-2600T400 DS	400 400/690	35	26	3	52,0	296	2850	0,85	85	20000	1018	79	4 x 8	4
HYO6-3000T400 DOL HYO6-3000T400 DS	400 400/690	40	30	3	61,5	348	2860	0,83	85	20000	1098	87	4 x 8	4
HYO6-3700T400 DOL HYO6-3700T400 DS	400 400/690	50	37	3	76,0	396	2840	0,84	84	20000	1233	99	4 x 8	4



D. O. L. VERSION



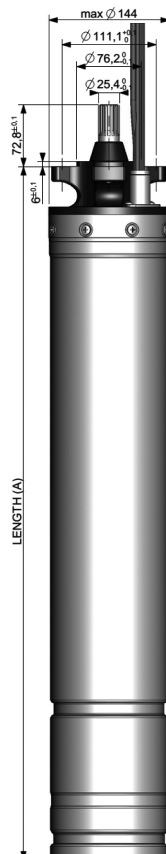
Δ-Δ VERSION

TECHNICAL SPECIFICATIONS

Motor/Pump Flange	6" Nema Standard
Degree of protection	IP 68
Insulation Class	F
Voltage tolerance	- 10% / + 10%
Pumped liquid temperature	0°C - 35°C 32°F - 95°F
Min. Cooling Flow	0,1 m/s 0,328 ft/s
Max. Starts / Hour	30
Mounting	Vertical And/Or Horizontal
Max. Immersion Depth	300M
Thrust Load	
From 5,5 HP to 20 HP	10.000N
From 25 HP to 50 HP	20.000N

Rewindable motor

Cables, Voltage, Thrust Loads [...]
Special Versions Available.



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