

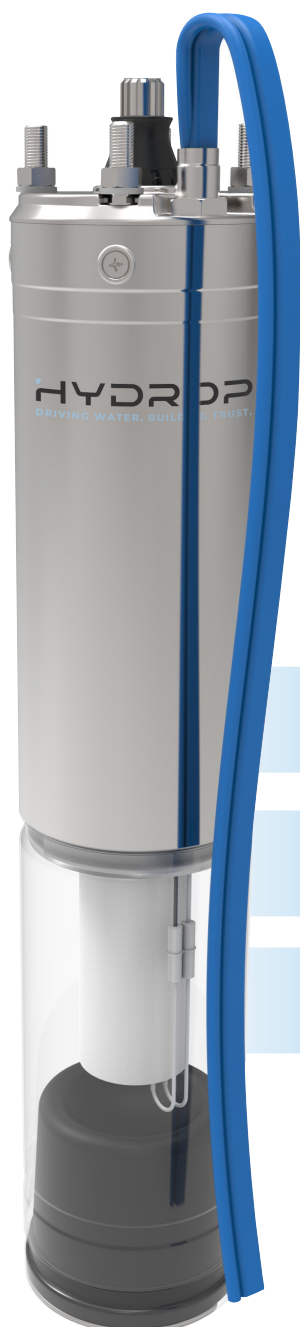
HYDROP
DRIVING WATER. BUILDING TRUST.

4"
SUBMERSIBLE
MOTOR 2WIRES
4HD02W



4" SUBMERSIBLE MOTOR 4HDO2W

Designed for markets requiring installation simplicity, the 4HDO 2W combines 304L stainless protection and dual sand defense with integrated start and thermal protection, eliminating the need for an external control box while maintaining mechanical strength and long service life.



304L LOW CARBON CORROSION SHIELD

INTEGRATED START & THERMAL PROTECTION

DUAL SAND PROTECTION SYSTEM

Motor/Pump Flange:	4" Nema standard	
Voltage Tolerance:	- 10% / + 10%	
Max. Starts / Hour:	IP68	
Insulation Class:	F	
Pumped Liquid Temperature:	32°F - 95°F 0°C - 35°C	
Min. Cooling Flow:	0,328 ft/s 0,1m/s	
Mounting:	Vertical and/or Horizontal	
Max. Immersion Depth:	200 m	
Thrust Load:	2000 N	
Stator	24 slots	
Voltage, thrust loads [...] special versions available		
Cable lengths with connector available upon request	Length [m]	Section [mm2]
	1,5	1,5
	20	1,5
	30	1,5

4" SUBMERSIBLE MOTOR 4HDO2W



ELECTRIC DATA 50HZ

SINGLE PHASE

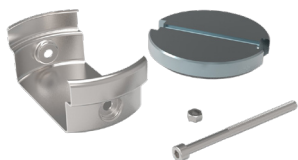
TYPE	P ₂ [HP]	P ₂ [KW]	VOLTAGE [V]	I _n [A]	I _{AVV} [A]	RPM	COSΦ	H [%]	CAPACITOR [μF]	THRUST LOAD [N]	LENGTH A [MM]	WEIGHT [KG]	CABLE SECTION [MM²]	CABLE LENGTH [M]
4HDO2W-S075	0,75	0,55	230	4,7	16,5	2810	0,88	57	25	2000	417	7,9	1,5	3 x 1,5
4HDO2W-S100	1	0,75	230	5,9	18,9	2825	0,9	62	35	2000	442	9,1	1,5	3 x 1,5
4HDO2W-S150	1,5	1,1	230	8,3	26,2	2840	0,91	64	40	2000	482	10,7	1,5	3 x 1,5

ELECTRIC DATA 60HZ

SINGLE PHASE

TYPE	P ₂ [HP]	P ₂ [KW]	VOLTAGE [V]	I _n [A]	I _{max} [A]	I _{AVV} [A]	RPM	COSΦ	H [%]	CAPACITOR [μF]	S.F.	THRUST LOAD [N]	LENGTH A [MM]	WEIGHT [KG]	Cable Length [m]	Cable Section [mm²]
4HDO2W-S050	0,5	0,37	220	3,4	4,2	16	3450	0,92	54	25	1,6	2000	417	7,9	1,5	3 x 1,5
			110	6,8	9,9	29	3470	0,89	48	80						
4HDO2W-S075	0,75	0,55	220	4,7	6,8	20,2	3420	0,95	57	25	1,5	2000	417	7,9	1,5	3 x 1,5
			110	9,9	13,1	39	3435	0,84	53	80						
4HDO2W-S100	1	0,75	220	6,3	8,1	22,6	3435	0,95	58	35	1,4	2000	442	9,1	1,5	3 x 1,5
4HDO2W-S150	1,5	1,1	220	8,3	10,8	32	3455	0,98	64	40	1,3	2000	482	10,7	1,5	3 x 1,5

ACCESSORIES



SACRIFICIAL ANODE 4" MOTORS

Our Zinc-Aluminum anode is an accessory very helpful when there are high aggressive agents, such as salted water or stray currents. It is thought to be installed at the inferior base of the motor thanks to an easy and fast system.

4" SUBMERSIBLE MOTOR 4HD02W

KEY TECHNICAL ADVANTAGES

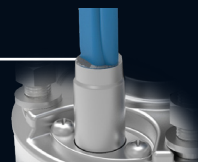
1st advantage

The external sleeve is manufactured in AISI 304L (Low Carbon, <0.03%), for superior corrosion protection, vs. standard SS 304 mostly used by competitors.



2nd advantage

Removable cable connector: prevents water infiltration in deep, high-pressure installations and enables fast cable/motor replacement vs. fixed cables supplied by some competitors.



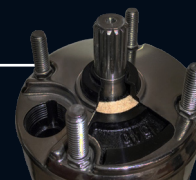
3rd advantage

Duplex stainless steel shaft projection to offer mechanical strength for high starting torque and axial loads, vs. standard SS 304 shafts mostly used by competitors.



4th advantage

Dual sand protection (standard rubber guard + secondary filter): blocks water impurities for longer motor life in sandy wells vs. no additional protection in most competitor motors.



5th advantage

Upper bracket: cataphoresis-treated cast iron + AISI 304 cover; superior corrosion protection vs. nickel-plated cast iron mainly used by competitors.



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