

HYDROP
DRIVING WATER. BUILDING TRUST.

3"
SUBMERSIBLE
MOTOR
3HDA



3" SUBMERSIBLE MOTOR 3HDA

Designed for demanding 3" deep-well applications, the 3HDA combines 304L corrosion protection with an advanced triple-level sand defense system, ensuring long-term reliability in sandy environments while offering a certified removable connector for safe and flexible installation worldwide.



**304L LOW CARBON
CORROSION SHIELD**

**TRIPLE-LEVEL SAND
DEFENSE SYSTEM**

**KTL-TREATED CAST
IRON BRACKETS**

Voltage Tolerance:	- 10% / + 10%
Max. Starts / Hour:	30
Degree of Protection:	IP68
Insulation Class:	F
Pumped Liquid Temperature:	32°F - 95°F
Min. Cooling Flow:	0.328 ft/s 0.1 m/s
Mounting:	Vertical and/or Horizontal
Max. Immersion Depth:	60 m
Thrust Load:	From 0.5 to 1.5 Hp 2.000 N
Cable, voltage, special versions available	

Cable lengths with connector available upon request	Length [m]	Section [mm2]
	1,5	1
	10	1
	20	1
	30	1

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ELECTRIC DATA 50HZ

SINGLE PHASE

TYPE	VOLTAGE [V]	P ₂ [HP]	P ₂ [KW]	I _N [A]	I _{AVV} [A]	RPM	COSΦ	H [%]	THRUST LOAD [N]	LENGTH A [MM]	WEIGHT [KG]	CABLE SECTION [MM²]	CABLE LENGTH [M]
3HDA-S050	230	0,5	0,37	3,6	12,3	2820	0,91	49	2000	308,5	6,1	4 x 1	1,5
3HDA-S075	230	0,75	0,55	4,9	17,2	2830	0,93	51	2000	348,5	7,1	4 x 1	1,5
3HDA-S100	230	1	0,75	6,4	22,4	2820	0,95	54	2000	378,5	8	4 x 1	1,5
3HDA-S150	230	1,5	1,1	10,6	37,1	2790	0,87	52	2000	418,5	9,1	4 x 1	1,5

THREE PHASE

TYPE	VOLTAGE [V]	P ₂ [HP]	P ₂ [KW]	I _N [A]	I _{S.F.} [A]	RPM	COSΦ	H [%]	THRUST LOAD [N]	LENGTH A [MM]	WEIGHT [KG]	CABLE SECTION [MM²]	CABLE LENGTH [M]
3HDA-T050	230	0,5	0,37	4,2	14,7	2850	0,45	49	2000	308,5	6,1	1,5	4 x 1
	400			2,4	8,4								
3HDA-T075	230	0,75	0,55	4,4	15,4	2840	0,54	62	2000	348,5	7,1	1,5	4 x 1
	400			2,5	8,8								
3HDA-T100	230	1	0,75	5,9	20,1	2830	0,53	58	2000	378,5	8	1,5	4 x 1
	400			3,5	12,3								
3HDA-T150	230	1,5	1,1	7,7	26,9	2800	0,56	62	2000	418,5	9,1	1,5	4 x 1
	400			4,4	15,4								

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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.

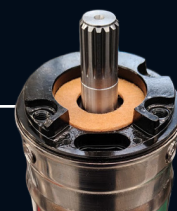
2nd advantage

Dry-sealed motor (no oil/resin): ideal for applications where oil is undesirable vs. oil-filled motors mainly used by competitors.



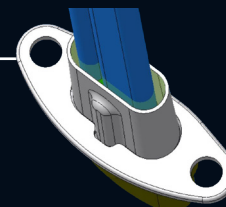
3rd advantage

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.



4th advantage

Removable power cable (KTW/ACS/WRAS approved) with ground wire pre-welded in the cable gland: faster installation + higher safety – vs. external/separate ground wire used by most competitors.



5th advantage

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



HYDROP

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