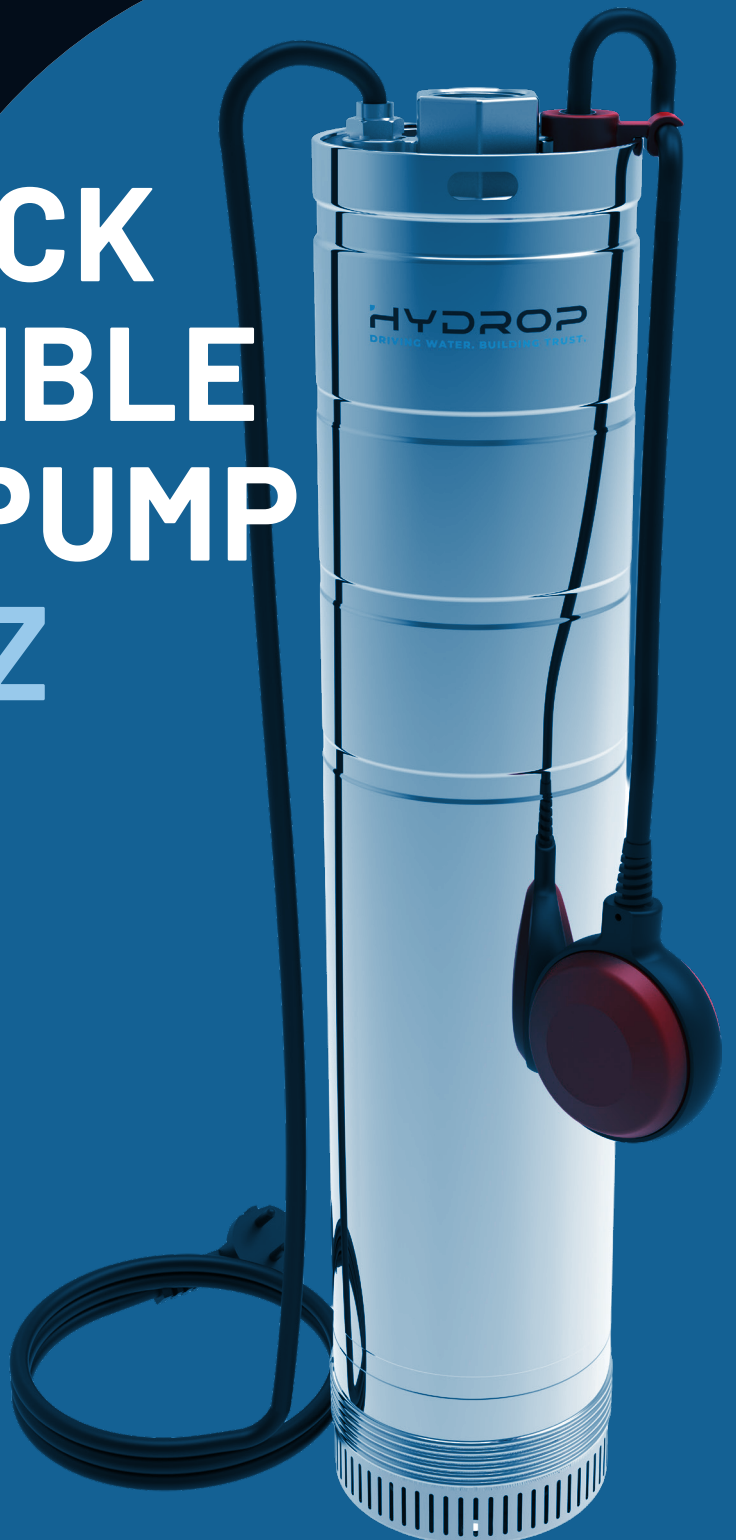


HYDROP
DRIVING WATER. BUILDING TRUST.

5"
MONOBLOCK
SUBMERSIBLE
ELECTROPUMP
5HDE 50HZ



5" MONOBLOCK SUBMERSIBLE ELECTROPUMP 5HDE

5HDE is Hydrop's 5" monoblock submersible electropump, entirely manufactured in Italy. Its compact close-coupled design, double mechanical seal in oil chamber, plug in plug out float switch system ensure reliability, easy installation and stock flexibility.



**SINGLE PUMP:
AUTOMATIC OR MANUAL
MODE, AT YOUR CHOICE**

**INTERNAL MOTOR TUBE IN
AISI 316L STAINLESS STEEL**

**DOUBLE MECHANICAL SEAL
WITH OIL CHAMBER**

**BUILT-IN AUTOMATIC AIR-
RELEASE VALVE**

**304L LOW CARBON
CORROSION SHIELD**

Rated Voltage Tolerance: - 10% / + 10%

Max. Starts / Hour: 40

Protection Class: IP68

Insulation Class: F 95°

Pumped Liquid Temperature: 32°F - 95°F | 0°C - 35°C

Max Amount of Sand Tolerance: 50 g/m³

Max. Immersion Depth: 40 m

Single-phase version featuring a capacitor with overload protection and automatic resetting system

All three-phase versions do not feature overload protection

Cables for electropump 5HDE serie

H07- RN-F Cable with connector for fast and easy connection to electropumps. Single-phase version with Schuko plug end.

Length [m]	1Ph Section [mm ²]	3Ph Section [mm ²]
10	1	1
20	1	1

5" MONOBLOCK SUBMERSIBLE ELECTROPUMP 5HDE

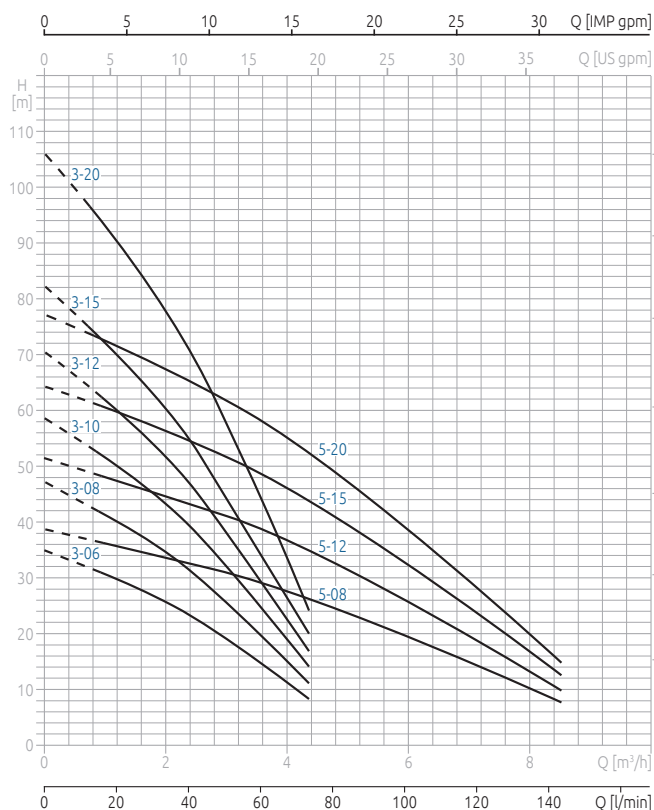
HYDRAULIC PERFORMANCE 50HZ

SINGLE-PHASE 230 V	P ₂ [HP]	P ₂ [KW]	N. of Stage	Q (FLOW RATE)							
				[L/MIN] 0	20	40	60	80	100	120	140
				[L/MIN] 0	1,2	2,4	3,6	4,8	6	7,2	8,4
				H (TOTAL HEAD) [M]							
5HDE 3 - 06S	0,6	0,45	3	34,2	29,2	24,2	18,4	9,8	-	-	-
5HDE 3 - 08S	0,8	0,6	4	46,6	40,6	34,2	25,6	13,7	-	-	-
5HDE 3 - 10S	1	0,75	5	58,1	50,1	40,9	29,6	16,7	-	-	-
5HDE 3 - 12S	1,2	0,9	6	69,7	59,7	48,8	36,1	20,4	-	-	-
5HDE 3 - 15S	1,5	1,1	7	79,2	69,2	58,2	44,1	24,3	-	-	-
5HDE 3 - 20S	2	1,5	9	102,4	91,2	76,2	57,3	31,4	-	-	-
5HDE 5 - 08S	0,8	0,6	3	37,2	35,9	32,9	29,2	24,6	19,1	13,9	8,2
5HDE 5 - 12S	1,2	0,9	4	49,6	47,8	43,9	38,8	32,8	26	18,9	11,2
5HDE 5 - 15S	1,5	1,1	5	61,5	59,1	54,2	49,1	40,9	32,2	23,3	13,8
5HDE 5 - 20S	2	1,5	6	74,4	70,2	65,4	58	49	38,9	28	16,3
THREE-PHASE 230/400 V	P ₂ [HP]	P ₂ [KW]	N. of Stage	Q (FLOW RATE)							
				[L/MIN] 0	20	40	60	80	100	120	140
				[L/MIN] 0	1,2	2,4	3,6	4,8	6	7,2	8,4
				H (TOTAL HEAD) [M]							
5HDE 3 - 06T	0,6	0,45	3	34,2	29,2	24,2	18,4	9,8	-	-	-
5HDE 3 - 08T	0,8	0,6	4	46,6	40,6	34,2	25,6	13,7	-	-	-
5HDE 3 - 10T	1	0,75	5	58,1	50,1	40,9	29,6	16,7	-	-	-
5HDE 3 - 12T	1,2	0,9	6	69,7	59,7	48,8	36,1	20,4	-	-	-
5HDE 3 - 15T	1,5	1,1	7	79,2	69,2	58,2	44,1	24,3	-	-	-
5HDE 3 - 20T	2	1,5	9	102,4	91,2	76,2	57,3	31,4	-	-	-
5HDE 5 - 08T	0,8	0,6	3	37,2	35,9	32,9	29,2	24,6	19,1	13,9	8,2
5HDE 5 - 12T	1,2	0,9	4	49,6	47,8	43,9	38,8	32,8	26	18,9	11,2
5HDE 5 - 15T	1,5	1,1	5	61,5	59,1	54,2	49,1	40,9	32,2	23,3	13,8
5HDE 5 - 20T	2	1,5	6	74,4	70,2	65,4	58	49	38,9	28	16,3

ELECTRIC DATA 50HZ

P _i [KW]	I [A]	CAPACITOR 450 V [MF]
	230V	
0,81	3,7	20
1	5,1	25
1,22	5,7	25
1,4	6,5	35
1,65	7,6	35
2,15	9,8	40
1,1	5,2	25
1,32	6,4	35
1,7	8	35
1,95	9,4	40

P _i [KW]	I [A]	CAPACITOR 450 V [MF]
	230V	
0,82	2,4	1,4
1,04	2,9	1,9
1,3	3,8	2,2
1,32	4,5	2,6
1,51	4,8	2,9
2,05	5,7	3,5
1,12	4	2,1
1,29	4,4	2,5
1,64	4,9	3
1,92	5,7	3,7



ACCESSORIES



FLOAT SWITCH WITH CONNECTOR

Float switch with H07 RN-F cable and removal connector. Maximum usage depth: 50m.



SACRIFICIAL ANODE 5" PUMP

Zinc-Aluminum sacrificial anode: protects against corrosion from salted water or stray currents, easy, fast base-mount installation.

5" MONOBLOCK SUBMERSIBLE ELECTROPUMP 5HDE 50HZ

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.



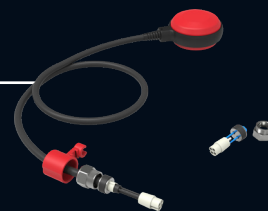
2nd advantage

Class "B" capacitor with 9,000-hour lifespan (3x longer than standard) – vs. Class "C" capacitors (3,000 hours) mainly used by competitors.



3rd advantage

Plug-in plug-out float switch system: same pump works as manual or automatic just by connecting/disconnecting the float switch; greater versatility + reduced stock, vs. competitors that mainly supply two separate pumps (manual OR automatic).



4th advantage

Internal motor tube in AISI 316L stainless steel: long-lasting protection against corrosion in tough environments.



5th advantage

Built-in automatic air-release valve: effortless priming in every condition.

