

HYDROP
DRIVING WATER. BUILDING TRUST.

3" SUBMERSIBLE PUMP 3HDP 50HZ



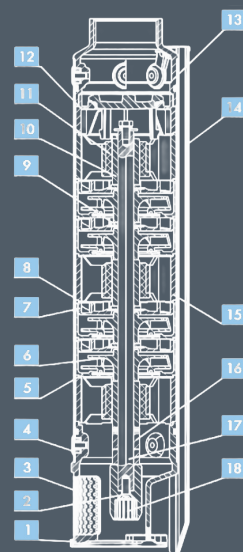
3" SUBMERSIBLE PUMP 3HDP

The 3HDP pump body is fully built in AISI 304 stainless steel and engineered with wear-resistant floating impellers, offering compact 3" installation capability and reliable performance in sandy wells where durability and dimensional precision are essential.

Delivery:	up to 4.2 m ³ /h at 2850 rpm
Head:	up to 142 meters at 2850 rpm
Mounting:	Vertical and/or Horizontal
Max pump overall diameter (cable cover included):	77.5 mm
Max quantity of sand:	150 g/m ³

MAIN COMPONENTS MATERIAL

REF.N.	PART	MATERIAL	STANDARD
1	Lower support	Precision-cast stainless steel	AISI 304
2	Screw	Stainless steel	AISI 304
3	Filter	Stainless steel	AISI 304
4	Pin	Stainless steel	AISI 304
5	Guide plate	ABS	---
6	Impeller	ABS	---
7	Diffuser	ABS	---
8	Outer sleeve	Stainless steel	AISI 304
9	Wearing gasket	NBR	---
10	Shaft sleeve	Stainless steel	AISI 304
11	Bush bearing	TPU	---
12	Upper support	ABS	---
13	Delivery port	Precision-cast stainless steel	AISI 304
14	Cable guard	Stainless steel	AISI 304
15	Intermediate support	ABS	---
16	Shaft sleeve	Stainless steel	AISI 304
17	Shaft	Stainless steel	AISI 420
18	Coupling	Stainless steel	AISI 304



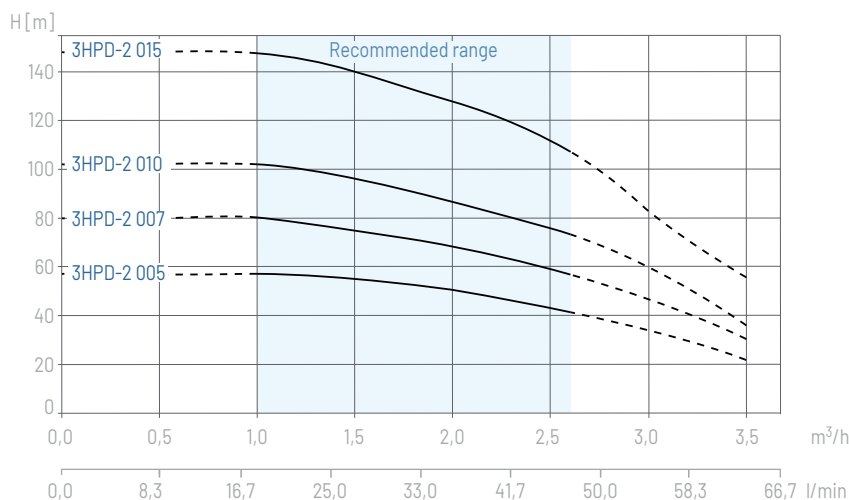
FULL AISI 304 STAINLESS STEEL CONSTRUCTION

ENGINEERED FOR SANDY WELLS, UP TO 150GR/M3 TOLERANCE

OPTIMIZED 3" OUTER DIAMETER

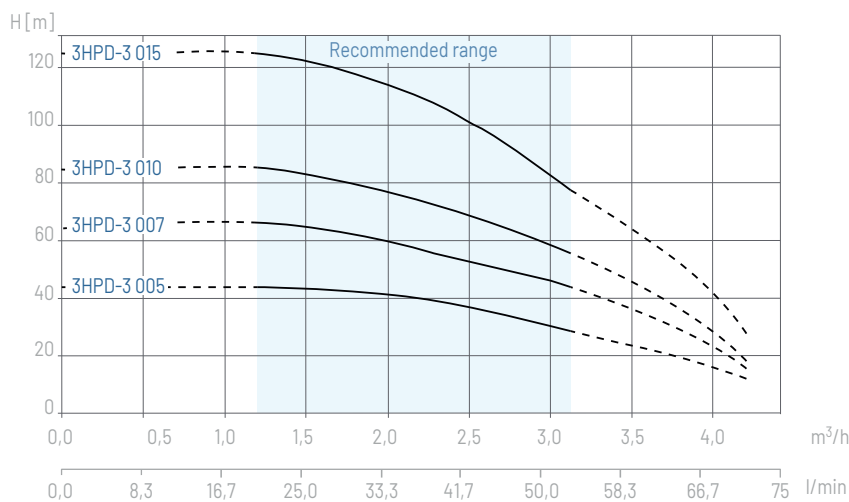


3HDP2 OPERATING DATA 50HZ - 2 POLES



Model	N. of stage	HP	kW	$Q (m^3 / h)$							
				0,00	0,50	1,00	1,50	2,00	2,50	3,00	3,50
				$H (m)$							
3HDP-2 005	15	0,50	0,37	57	57	57	55	50	43	34	22
3HDP-2 007	21	0,75	0,55	80	80	80	75	68	59	47	30
3HDP-2 010	27	1,00	0,75	102	102	102	96	87	76	60	36
3HDP-2 015	39	1,50	1,10	148	148	148	140	128	112	85	56

3HDP3 OPERATING DATA 50HZ - 2 POLES



Model	N. of stage	HP	kW	$Q (m^3 / h)$							
				0,00	0,60	1,20	1,80	2,40	3,00	3,60	4,20
				$H (m)$							
3HDP-3 005	11	0,50	0,37	44	44	44	42	38	30	22	12
3HDP-3 007	16	0,75	0,55	64	66	66	62	54	46	34	16
3HDP-3 010	21	1,00	0,75	85	85	85	80	70	58	43	18
3HDP-3 015	31	1,50	1,10	125	125	125	118	105	82	60	28

3" SUBMERSIBLE PUMP 3HDP

KEY TECHNICAL ADVANTAGES

1st advantage

Wear-resistant floating impellers (ABS) that self-align under axial load, reducing internal wear and vibration vs. fixed-impeller stacks used in many competitor 3" pumps.



2nd advantage

Engineered for sandy wells, tolerant up to 150 g/m³ of sand; reliable operation in abrasive well water vs. the lower sand tolerance typical of most competitor 3" pumps.



3rd advantage

Full AISI 304 stainless steel construction, including precision-cast lower support and delivery port, for superior mechanical strength and corrosion resistance.



4th advantage

Optimized 77.5 mm overall diameter (cable cover included) – fits narrower boreholes without sacrificing performance vs. bulkier designs that limit installation flexibility.

5th advantage

Full AISI 304 stainless steel construction, including precision-cast lower support and delivery port, for superior mechanical strength and corrosion resistance.

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PM S.r.l. Viale della Ricerca 3, 36049 Sovizzo (VI) – Italy
Tel +39 0444 673043 info@hydrop.it

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