

Electrically driven pumps AXH Q/H.1

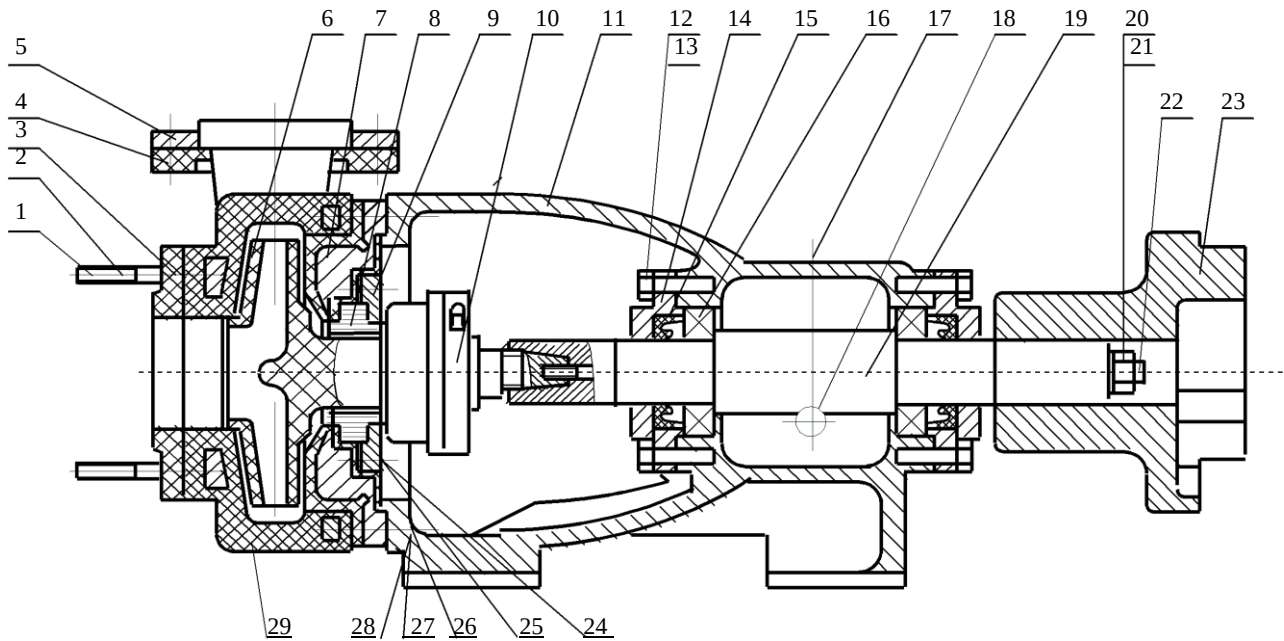
Pumps AXH Q/H.1 – are horizontal centrifugal pumps with casing and flow tube made of fluoroplastic Φ -50. Seals are represented by single mechanical seals and mechanical seals with additional seals. The pumps are used for pumping of aggressive liquids with solid impurities up to 2 mm and bulk concentration up to 2-5%.

Range of liquid consumption is 1,5-100 m³/hour and range of heads is 10-50 m. Density of the pumped liquid is up to 1800 kg/m³. Minimal temperature of the pumped liquid is up to -60°C, maximum temperature is up to 180°C.

Specification

Model	Pump parameters									
	Liquid consumption Q m ³ /hour	Head H m	Efficiency η %	npsH m	Motors					
					Liquid density, kg/m ³					
					1000		1350		1830	
					Type	N kW	Type	N kW	Type	N kW
					2900 r/min					
AXH 1,5/10.1	1,5	10	29	6	90L2	2,2	90L2	2,2	90L2	2,2
AXH 3,5/18.1	3,6	18	27		90L2	2,2	90L2	2,2	90L2	2,2
AXH 5/15.1	5	15	51		90L2	2,2	90L2	2,2	90L2	2,2
AXH 10/20.1	10	20	47		90L2	2,2	90L2	2,2	100L2	3
AXH 10/30.1		30	55	5,5	90L2	2,2	100L2	3	112M2	4
AXH 10/40.1		40	35		112M2	4	132SA2	5,5	132SB2	7,5
AXH 10/50.1		50	33		132SA2	5,5	132SB2	7,5	160MA2	11
AXH 15/20.1	15	20	55	6	90L2	2,2	100L2	3	112M2	4
AXH 15/25.1		25	53		100L2	3	112M2	4	132SA2	5,5
AXH 15/30.1		30	64		160MA2	3	112M2	4	132SA2	5,5
AXH 15/40.1		40	39	5,5	132SA2	5,5	132SB2	7,5	160MA2	11
AXH 15/50.1		50	38		132SB2	7,5	160MA2	11	160MB2	15
AXH 25/20.1	25	20	65	6	112M2	4	132SA2	5,5	132SB2	7,5
AXH 25/32.1		32	70		132SA2	5,5	132SB2	7,5	160MA2	11
AXH 25/40.1		40	53	5,5	132SB2	7,5	160MA2	11	160MB2	15
AXH 25/50.1		50	52		160MA2	11	160MB2	15	160L2	18,5
AXH 50/20.1	50	20	72	6	132SA2	5,5	132SB2	7,5	160MA2	11
AXH 50/30.1		30	64		160MA2	11	160MA2	11	160MB2	15
AXH 50/34.1		34	65		160MA2	11	160MB2	15	160L2	18,5
AXH 50/40.1		40	67	5,5	160MA2	11	160MB2	15	160L2	18,5
AXH 50/50.1		50	65		160MB2	15	160L2	18,5	200LA2	30
AXH 100/40.1	100	40	74	6	180M2	22	200LA2	30	200LB2	37
AXH 100/50.1		50	72	5,5	200LA2	30	200LB2	37	225M2	45

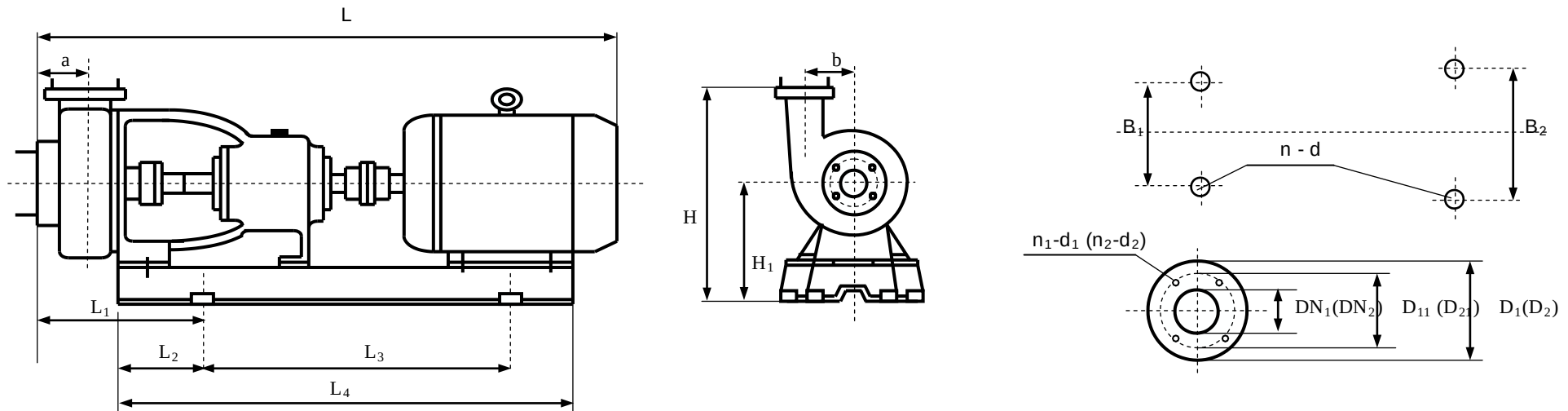
Pump structure



Specification of pump details

No.	Name of details	Q-ty
1	Stud	4
2	Nut	4
3	Ring	1
4	Cap flange	1
5	Flange pad	1
6	Working wheel	1
7	Wall	1
8	Immovable ring of mechanical seal	1
9	Pad	1
10	Moving part of mechanical seal	1
11	Casing of undercarriage	1
12	Bolt	
13	Washer	
14	Lid of undercarriage	2
15	Collar	2
16	Bearing	2
17	Plug	1
18	Inspection hole	1
19	Shaft	1
20	Nut	1
21	Washer	1
22	Stud	1
23	Half-coupling	1
24	Screw	4
25	Washer	4
26	Stud	
27	Nut	
28	Washer	
29	Pump casing	1

Overall and connecting dimensions



Model	DN ₁	D ₁₁	D ₁	n ₁ -d ₁	DN ₂	D ₂₁	D ₂	n ₂ -d ₂	a	b	L	L ₁	L ₂	L ₃	L ₄	B ₁	B ₂	H ₁	H ₂	n - d												
AXH 1,5/10.1	25	75	100	4-10	20	75	100	4-10	45	65	910	215	150					190	320	4-15												
AXH 3,6/18.1																																
AXH 5/15.1	40	100	130	4-14	32	100	130	4-14	58	80	920	245									500	825	365	365	230	410	4-20					
AXH 10/20.1																																
AXH 10/30.1																																
AXH 10/40.1																																
AXH 10/50.1																																
AXH 15/20.1	50	125	165	4-17,5	32	125	4-17,5	62	110	936	270	560						830	250	375									197	347	4-15	
AXH 15/25.1																																
AXH 15/30.1																																
AXH 15/40.1																																
AXH 15/50.1																																
AXH 25/20.1	65	150	185	4-16	50	135	160	4-16	75	95	1015										270	610	980	330	395	260	460					4-20
AXH 25/32.1																																
AXH 25/40.1																																
AXH 25/50.1																																
AXH 50/20.1												80						160	200	8-17,5								50	125	165	8-17,5	
AXH 50/30.1																																
AXH 50/34.1																																
AXH 50/40.1																																
AXH 50/50.1																																
AXH 100/40.1	100	180	220	8-17,5	80	160	200	8-17,5	72	117	1215	270						175	620	990	330	395	260	460	4-20							
AXH 100/50.1													65	145	185	72	117									1215	270	690	1060	470	295	495