

Electrically driven pumps AXH Q/H.2

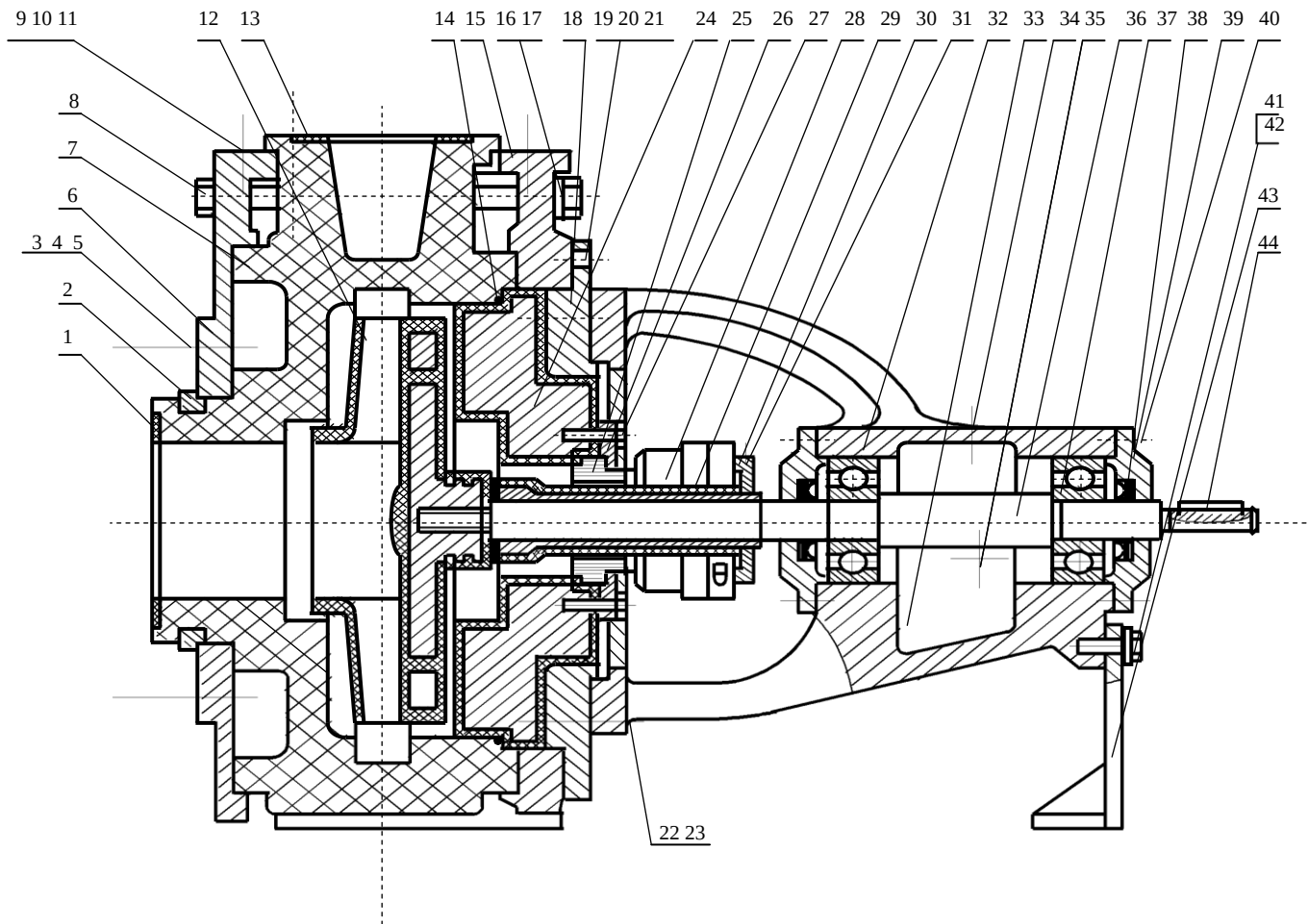
Pumps AXH Q/H.2 – are horizontal centrifugal pumps with flow tube made of fluoroplastic Φ -50, inlet and outlet fittings are reinforced with steel plates. As seals single mechanical seals and mechanical seals with additional seal are used.

The pumps are meant for pumping of aggressive fluids with solid particles up to 2 mm and bulk concentration up to 1.5% at high abrasiveness and up to 10 % at medium abrasiveness. Range of flow rates is 6,3-400 m³/hour, range of heads is 5-80 m. Density of pumped fluid is up to 1800 kg/m³. Working temperature is from -40 to +150°C.

Specification

Model	Inlet-outlet-impeller, mm	Pump parametrs									
		Liquid consump- tion, Q m³/hour	Head H m	Efficien- cy η %	Npsh, M	Motors					
						Liquid density (ρ), kg/m³					
						1000		1350		1830	
						Type	N kW	Type	N kW	Type	N kW
						2900 r/min					
AXH 5/20.2	25-20-125	5	20	32	2	90S2	1,5	90L2	2,2	100L2	3
AXH 5/30.2	25-20-160	5	30	30	2	90L2	2,2	100L2	3	112M2	4
AXH 12,5/20.2	50-32-125	12,5	20	52	2	90L2	2,2	100L2	3	112M2	4
AXH 12,5/32.2	50-32-160	12,5	32	48	2	112M2	4	132SA2	5,5	132SB2	7,5
AXH 12,5/50.2	50-32-200	12,5	50	44	2	132SA2	5,5	132SB2	7,5	160MA2	11
AXH 25/20.2	65-50-125	25	20	59	2	112M2	4	132SA2	5,5	132SB2	7,5
AXH 25/32.2	65-50-160	25	32	60	2	132SA2	5,5	132SB2	7,5	160MA2	11
AXH 25/50.2	65-40-200	25	50	45	2,4	160MA2	11	160MB2	15	160L2	18,5
AXH 50/20.2	80-65-125	50	20	60	2,4	132SB2	7,5	160MA2	11	160MB2	15
AXH 50/32.2	80-65-160	50	32	65	2,4	160MA2	11	160MB2	15	160L2	18,5
AXH 50/50.2	80-50-200	50	50	63	2,4	160L2	18,5	180M2	22	200LA2	30
AXH 100/32.2	100-80-160	100	32	68	2,4	160L2	18,5	200LA2	30	200LB2	37
AXH 100/50.2	100-65-200	100	50	66	2,4	200LA2	30	200LB2	37	250M2	55
AXH 100/80.2	100-65-250	100	80	56	3,2	250M2	55	280S2	75	315S2	110
AXH 150/50.2	125-100-200	150	50	55	3,2	250M2	55	280S2	75	280M2	90
AXH 150/80.2	125-100-250	150	80	45	3,2	315S2	110	315M2	132	355SA2	185
AXH 250/20.2	150-125-125	250	20	60	3,2	200LA2	30	225M2	45	250M2	55
AXH 250/32.2	150-125-160	250	32	61	4,5	250M2	55	280S2	75	280M2	90
AXH 250/50.2	150-125-200	250	50	48	4,5	315S2	110	315M2	132	355SA2	185
AXH 250/80.2	150-125-250	250	80	47	4,8	315LA4	160	315LB2	200	355L2	315
AXH 400/20.2	200-150-125	400	20	50	4,8	250M2	55	280S2	75	315S2	110
AXH 400/32.2	200-150-160	400	32	53	5,0	280M2	90	315M2	132	315LA4	160
AXH 400/50.2	200-150-200	400	50	57	5,2	315M2	132	355SA2	185	355M2	250
AXH 400/80.2	200-150-250	400	80	45	5,6	355M2	250	355L2	315		
1450 r/min											
AXH 6,3/5.2	50-32-125	6,3	5	52	2	90S4	1,1	90S4	1,1	90S4	1,1
AXH 6,3/8.2	50-32-160	6,3	8	48	2	90S4	1,1	90S4	1,1	90S4	1,1
AXH 6,3/12,5.2	50-32-200	6,3	12,5	44	2	90S4	1,1	90S4	1,1	90L4	1,5
AXH 12,5/5.2	65-50-125	12,5	5	59	2	90S4	1,1	90S4	1,1	90S4	1,1
AXH 12,5/8.2	65-50-160	12,5	8	60	2	90S4	1,1	90S4	1,1	90L4	1,5
AXH 12,5/12,5.2	65-40-200	12,5	12,5	46	2	90L4	1,5	100LA4	2,2	100LB4	3
AXH 25/5.2	80-65-125	25	5	60	2	90S4	1,1	90L4	1,5	100LA4	2,2
AXH 25/8.2	80-65-160	25	8	65	2	90L4	1,5	100LA4	2,2	100LB4	3
AXH 25/12,5.2	80-50-200	25	12,5	63	2,5	100LA4	2,2	100LB4	3	112M4	4
AXH 50/8.2	100-80-160	50	8	68	2,5	100LB4	3	112M4	4	132S4	5,5
AXH 50/12,5.2	100-65-200	50	12,5	66	2,3	112M4	4	132S4	5,5	132M4	7,5
AXH 50/20.2	100-65-250	50	20	56	2,3	132M4	7,5	160M4	11	160L4	15
AXH 75/12,5.2	125-100-200	75	12,5	55	2,3	132M4	7,5	160M4	11	160L4	15
AXH 75/20.2	125-100-250	75	20	45	2,3	160L4	15	180M4	18,5	180L4	22
AXH 125/8.2	150-125-160	125	8	61	2,5	132M4	7,5	160M4	11	160L4	15
AXH 125/12,5.2	150-125-200	125	12,5	51	2,5	160L4	15	180M4	18,5	180L4	22
AXH 200/20.2	150-125-250	125	20	48	2,7	180L4	22	200L4	30	225S4	37
AXH 200/32.2	150-125-315	200	32	64	2,7	225S4	37	250M4	55	280S4	75
AXH 200/50.2	150-125-400	200	50	56	2,8	250M4	55	280S4	75	315S4	110
AXH 200/8.2	200-150-160	200	8	53	2,8	160M4	11	160L4	15	180L4	22
AXH 200/12,5.2	200-150-200	200	12,5	57	2,8	180M4	18,5	180L4	22	200L4	30
AXH 200/20.2	200-150-250	200	20	45	3,2	200L4	30	225M4	45	250M4	55
AXH 400/32.2	200-150-315	400	32	68	3,5	280S4	75	280M4	90	315LA4	132
AXH 400/50.2	200-150-400	400	50	63	3,8	315S4	110	315LA4	160	315LB4	200

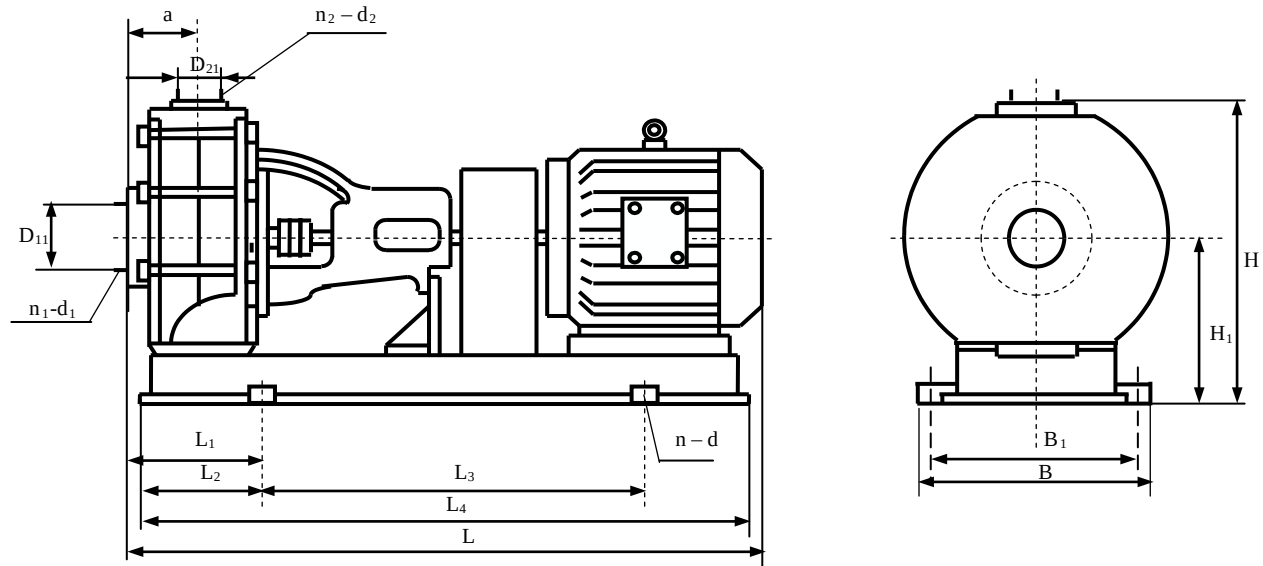
Pump structure



Specification of pump details

No.	Name of details	Q-ty
1	Insert	1
2	Ring	1
3	Stud	
4	Nut	
5	Washer	
6	Front pad	1
7	Scroll	1
8	Coupling bolt	
9	Stud	
10	Nut	
11	Washer	
12	Working wheel	1
13	Insert	1
14	Sealing ring	1
15	Back pad	1
16	Washer	
17	Nut	
18	Wall	1
19	Stud	
20	Nut	
21	Washer	
22	Nut	
23	Stud	
24	Casing of mechanical seal	1
25	Immovable ring of mechanical seal	1
26	Pad	1
27	Bolt	
28	Rotary part of mechanical seal	1
29	Protective collar	1
30	Bushing	1
31	Bolt	
32	Casing of undercarriage	1
33	Oil bath	1
34	Plug	1
35	Inspection glass (oil level)	1
36	Shaft	1
37	Bearing	2
38	Collar	2
39	Lid of oil bath	2
40	Lid bolt	
41	Bolt of rear support fastening	1
42	Washer	1
43	Rear support	1
44	Dowel	1

Overall and connecting dimensions



Inlet-outlet-impeller, mm	D ₁₁	n ₁ -d ₁	D ₂₁	n ₂ -d ₂	a	L	L ₁	L ₂	L ₃	L ₄	B	B ₁	H ₁	H	n - d				
50-32-125	145	4-M16	110	4-M16	95	885	185	170	600	850	390	350	257	420	4-18,5				
50-32-160						905													
50-32-200	160	8-M16	125		100	985	205	190	660	950	450	400	300	495	4-24				
65-50-125						895	185	170	600	850	400	350	285	480	4-18,5				
65-50-160						985	205	190	660	950	450	400	300	495	4-24				
65-40-200						1115	225	210	740	1070	490	440							
80-65-125						985	205	190	660	950	450	400							
80-65-160						1115	225	210	740	1070	490	440							
80-50-200						210		160	8-M16	130	1300	260	225	840	1200	540	490	340	590
100-80-160				1430							285	250	940	1310	610				
100-65-200	180														425	705			
100-65-250																	1470	1590	
125-100-200	210	8-M20	140	1670	300						290	1060	1620	660	600	360	685		
125-100-250				1655															
150-125-160				1695															
150-125-250				1805															
150-125-315	280	8-M20	240	8-M20	160	2050	370	360	1310	1970	830	750	525	875					
200-150-400	295	12-M20	240	8-M20	160	2050	370	360	1310	1970	830	750	525	875					