

Electrically driven pumps ГХН Q/H.2

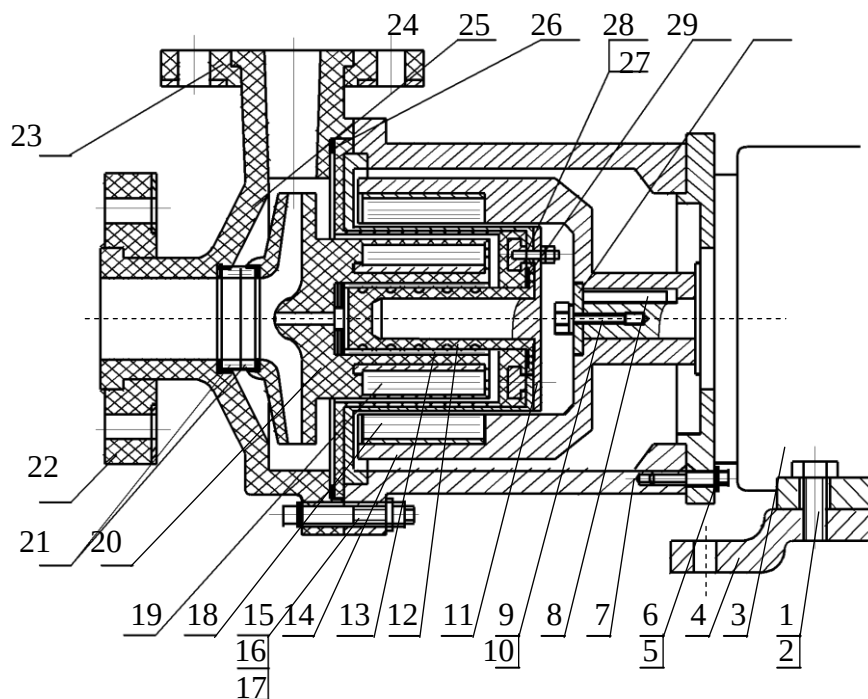
Pumps ГХН Q/H.2 are horizontal leakproof single block centrifugal pumps meant for pumping of chemically active, hazardous and toxic fluids. The pumps do not have seals and allow presence in the pumped fluid of solid particles no greater than 0.1 mm with bulk concentration up to 0.2%. Leakproofness of the pumps is provided by use of magnetic couplings for drive of pumping part.

The pumps are manufactured in completely polymeric casing made of fluoroplastic Φ -50. Range of flow rates is 0,4-25 m³/hour and range of heads is 3,2-32 m. Density of the pumped fluid is up to 1500 kg/m³. Minimal temperature of the pumped fluid is up to -30°C, maximum is up to 110°C.

Specification

Model	Inlet-outlet-impeller, mm	Pump parametrs				
		Liquid consumption, (Q) m ³ /hour	Head H m	η %	Npsh, m	N, kW
ГХН 0,4/3,2,2	15-10-65	0,4	3,2	15	7,8	0,12
ГХН 0,8/5.2	20-12-75	0,8	5	19	6	0,18
ГХН 1,6/12,5.2	25-15-105	1,6	12,5	22,5	6	0,55
ГХН 3,2/12,5.2	32-20-105	3,2	12,5	25	6	0,9
ГХН 6,3/20.2	40-25-125	6,3	20	25	5	2,2
ГХН 12,5/20.2	50-32-125	12,5	20	38	3,5	3
ГХН 12,5/32.2	50-32-160	12,5	32	28	3,5	4-5,5

Pump structure

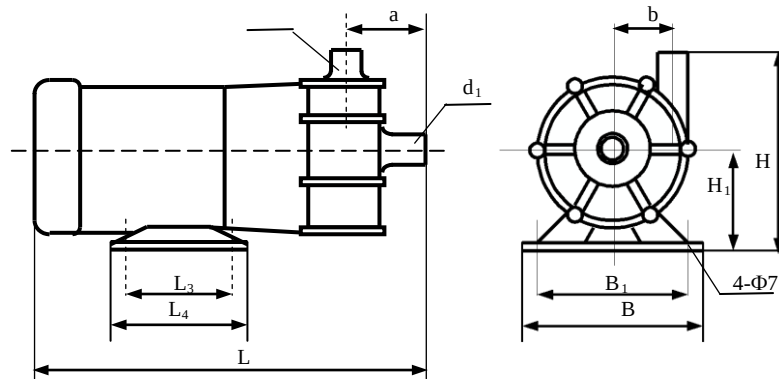


Specification of pump details

No.	Name of details	Q-ty
1	Screw	
2	Washer	
3	Flanged electric motor	1
4	Base	1
5	Washer	
6	Washer	
7	Undercarriage casing	1
8	Dowel	1
9	Screw	
10	Washer	
11	Two-layer screen	1
12	Bushing	1
13	Liner	
14	Driving magnetic coupling	1
15	Bolt	
16	Nut	
17	Washer	
18	Magnets of driving coupling	
19	Magnets of rotor	
20	Rotor	1
21	Thrust ring	2
22	Cap flange of suction connection	1
23	Cap flange of discharge connection	1
24	Pump casing	1
25	Gasket	1
26	Stud	
27	Nut	
28	Gasket	1
29	Pad	1

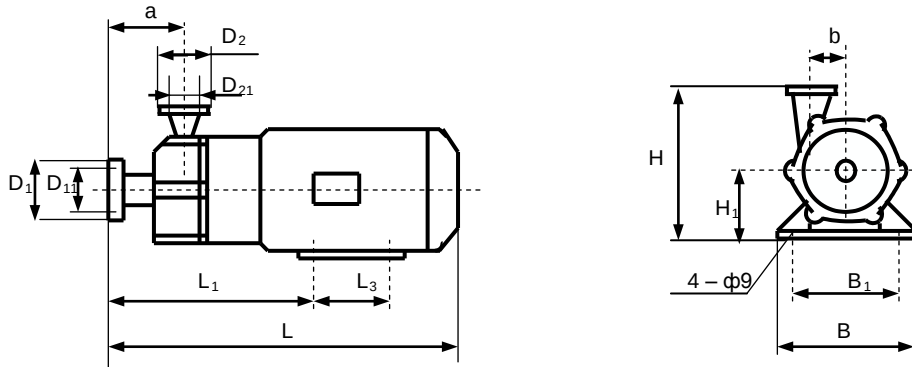
Overall and connecting dimensions ГХН

0,4/3,2.2 (15-10-65), ГХН 0,8/5.2 (20-12-75) d_2



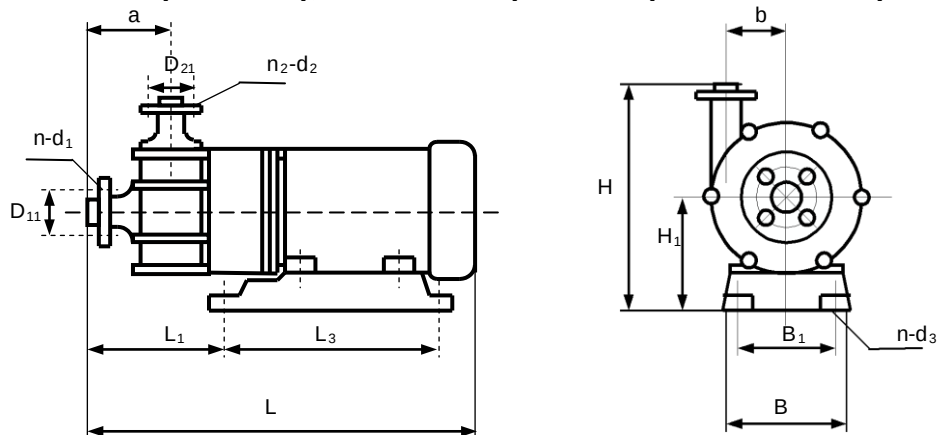
	d_1	d_2	L_3	L_4	L	a	b	B	B_1	H	H_1
ГХН 0,4/3,2.2	22	22	71	88	290	40	25	112	90	130	56
ГХН 0,8/5.2	27	22	71	88	310	52	38	112	90	130	56

ГХН 0,8/5.2 (20-12-75), ГХН 1,6/12,5.2 (25-15-105)



	D_1	D_{11}	D_2	D_{21}	L_1	L_3	L	a	b	B	B_1	H	H_1
ГХН 0,8/5.2	90	55	80	55	176	71	310	52	38	112	90	141	56
ГХН 1,6/12,5.2	100	75	90	75	200	80	355	52	49	130	100	163	63

ГХН 3,2/12,5.2 (32-20-105), ГХН 6,3/20.2 (40-25-125), ГХН 12,5/20.2 (50-32-125)



	D_{11}	$n-d_1$	D_{21}	$n-d_2$	L_1	L_3	L	a	b	B	B_1	H	H_1	$n-d_3$
ГХН 3,2/12,5.2	90	4-14	65	4-11	162	200	483	85	60	148	118	211	100	4-12
ГХН 6,3/20.2	110	4-14	85	4-14	207	235	528	85	76	180	140	254	120	4-12
ГХН 12,5/20.2	125	4-14	90	4-14	207	260	528	85	76	180	140	264	120	4-12