

Electrically driven pumps ГХН Q/H.3

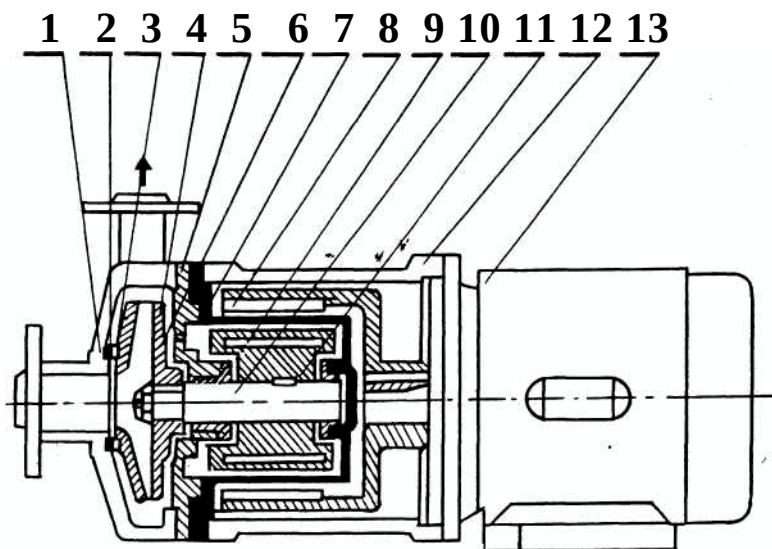
Pumps ГХН Q/H.3 – are horizontal leakproof single block centrifugal pumps without seals; they allow presence in the pumped fluid of solid particles no greater than 0.1 mm with bulk concentration up to 0.2 %. Leakproofness of the pumps is provided by use of magnetic half-couplings separated by screen for drive of pumping part. Pumps of small dimension-types are manufactured with manifolds for welding.

The pumps are manufactured in casing made of steels of types 304 and 316L. Range of flow rates is 0,9-50 m³/hour and range of heads is 2-50 m. Density of the pumped fluid is up to 1600 kg/m³. Minimal temperature of the pumped fluid is up to -30°C, maximum is up to 110°C.

Specification

Model	Liquid consumption, Q m ³ /hour	Head H m	Npsh, m	Rate speed, r/min	Diameter, mm		N, kW	Supply voltage, V
					Inlet	outlet		
ГХН 0,9/2.3	0,9	2	2	2800	8	6	0,055	220
ГХН 1,1/3.3	1,1	3	2,5		10	10	0,09	220
ГХН 1,2/5.3	1,2	5	3		14	10	0,18	220 или 380
ГХН 1,8/8.3	1,8	8	3		16	12	0,37	220 или 380
ГХН 3/12,5.3	3,0	12,5	4		20	12	0,75	220 или 380
ГХН 6,3/15.3	6,3	15	4		25	20	1,5	380
ГХН 6,3/15.3	6,3	15	4		32	25	1,5	
ГХН 6,3/25.3	6,3	25	4		32	25	3	
ГХН 12,5/20.3	12,5	20	7,5		40	32	3	
ГХН 12,5/32.3	12,5	32	8		40	32	5,5	
ГХН 15/25.3	15	25	8,3		50	40	5,5	

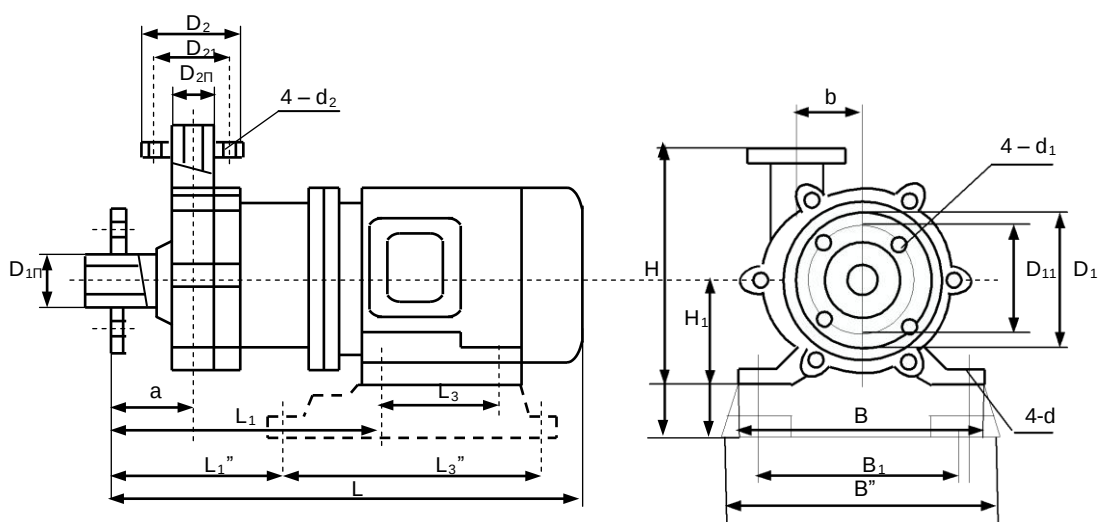
Устройство насоса



Specification of pump details

No.	Name of details	Q-ty
1	Pump casing	1
2	Thrust ring	1
3	Thrust ring of working wheel	1
4	Working wheel	1
5	Wall	1
6	Hub	1
7	Screen	1
8	Driving magnetic half-coupling	1
9	Driven magnetic half-coupling	1
10	Shaft	1
11	Dowel	1
12	Undercarriage casing	1
13	Electric motor	1

Overall and connecting dimensions



Starting from electric motor power $N = 1,5 \text{ kW}$ the pumps are equipped with a frame.

	D ₁	D _п	D ₁₁	d ₁	D ₂	D _{2п}	D ₂₁	d ₂	L ₁ (L ₁ ^п)	L ₃ (L ₃ ^п)	L	a	b	B ₁	B (B ^п)	H	H ₁	d	
ГХН 1,2/5.3		18				16			160	71	270	53	37	90	130	120	56	7	
ГХН 1,8/8.3		22				18			180	70	320	55	40		115	160	65	11	
ГХН 3/12,5.3		26							189	80	340	59	65		100		130	73	12
ГХН 6,3/15.3	100		75	12	90		65	10	256	100	460	67	71	125	160	205	90		
ГХН 6,3/15.3	120		90		100		75						85			230			
ГХН 6,3/25.3																			
ГХН 12,5/20.3			14	120		90	14	310	120	545	75	78	140	180	220	100			
ГХН 12,5/32.3	130																		
ГХН 15/25.3																			