

SPECIAL PUMPS

Electrically driven pumps AXH Q/H.10

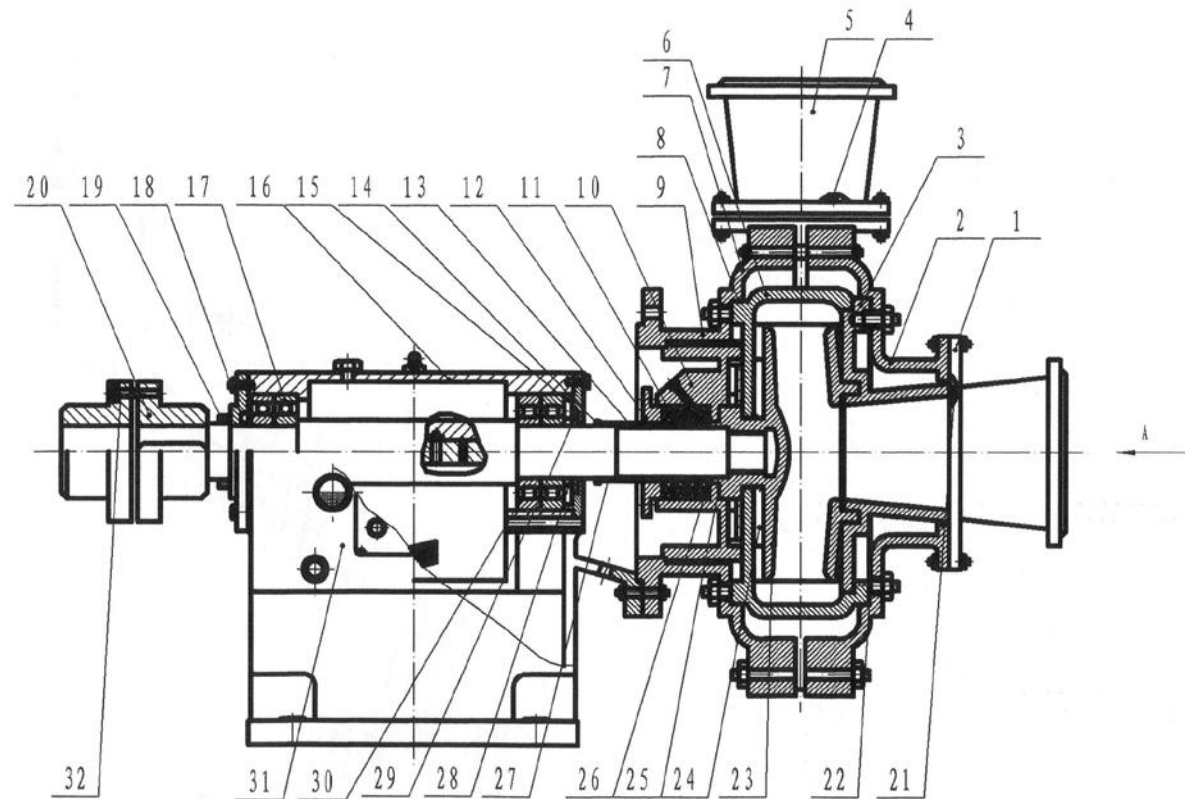
Electrically driven pumps AXH Q/H.10 are meant for pumping of neutral and chemically active fluids with density no more than 1850 kg/m³ and kinematic viscosity up to 30 cSt with volume content of solid particles up to 50%, if their size does not exceed 40 mm at high abrasiveness. In basic version the pumps have flow tube made of steel 07X16H6 that is highly wear-resistive. The pumps may be manufactured from stainless steels and alloys of type 304, 316L (SS 304, 321, 316L), but this will lead to reduction of wear resistivity. The pumps are equipped with double gland seals. The pumps have replaceable casing.

Temperature range of pumped fluid: -20 ... +105°C.

Specification

Model	Liquid consumption, Q m ³ /hour	Head H M	Rate speed, r/min	Efficiency η %	Npsh, M	Size of solid particles ,mm
AXH 10/30.10	5-20	7.0-33.6	1480-2890	53.0	2.5	≤10
AXH 35/40.10	35	40	1440	41.0	2,5	≤10
AXH 60/30.10	23-80	7.4-35.8	700-1480	63.5	3.0	≤11
AXH 200/60.10	61-260	13.3-70.6	700-1480	67.8	3.5	≤13
AXH 200/40.10	61-245	9.1-48.6	700-1480	76.0	3.6	≤20
AXH 200/50.10	63-255	12.6-61.2	700-1480	71.3	3.9	≤20
AXH 250/70.10	79-331	17.1-86.0	700-1480	71.3	4.1	≤19
AXH 250/80.10	86-360	20.2-101.6	700-1480	71.3	4.1	≤19
AXH 300/15.10	119-364	4.4-17.8	590-980	68.1	3,2	≤19
AXH 450/50.10	137-550	15.4-64.5	500-980	77.5	3.8	≤27
AXH 450/60.10	154-600	18.9-78.5	500-980	75.0	3.9	≤27
AXH 750/80.10	230-900	24.0-103.7	500-980	74.5	4.5	≤ 3
AXH 750/60.10	240-950	17.2-74.0	500-980	79.3	4.3	≤ 3
AXH 1200/60.10	473-1378	35.0-80.0	500-730	79.0	5.3	≤ 4
AXH 1200/90.10	384-1504	31.4-129.8	500-980	77.0	5.1	≤ 4
AXH 1200/85.10	375-1468	30.0-123.8	500-980	77.0	5.1	≤ 4
AXH 1100/80.10	361-1415	27.8-115.0	500-980	77.0	5.0	≤ 4
AXH 1000/60.10	280-1341	18.3-80.9	500-980	81.6	4.8	≤ 4

Pump structure



Specification of pump details

No.	Name of details	Q-ty
1	Inlet fitting	1
2	Casing lid	1
3	Front half of casing	4
4	Stud	
5	Outlet fitting	4
6	Inner casing	1
7	Back half of casing	1
8	Sealing ring	1
9	Sealing ring	1
10	Wall	1
11	Gland packing	
12	Closing sleeve	1
13	Shaft	1
14	Clamp	1
15	Front bearing	2
16	Undercarriage casing	1
17	Back bearings	2
18	Back bearings lid	1
19	Collar	1
20	Half-coupling	1
21	Sealing ring	1
22	Gasket	1
23	Working wheel	1
24	Impeller	1
25	Gasket	1
26	Lantern ring	1
27	Protective collar	4
28	Thrust ring	1
29	Collar	1
30	Front bearing	1
31	Column	2
32	Pin	

Overall and connecting dimensions are determined after ordering of specific electrically driven pump.