



I-I B single screw pump (thick slurry pump)



Feature:

This pump is applicable to transport all kinds of liquids like slurry with big viscosity.

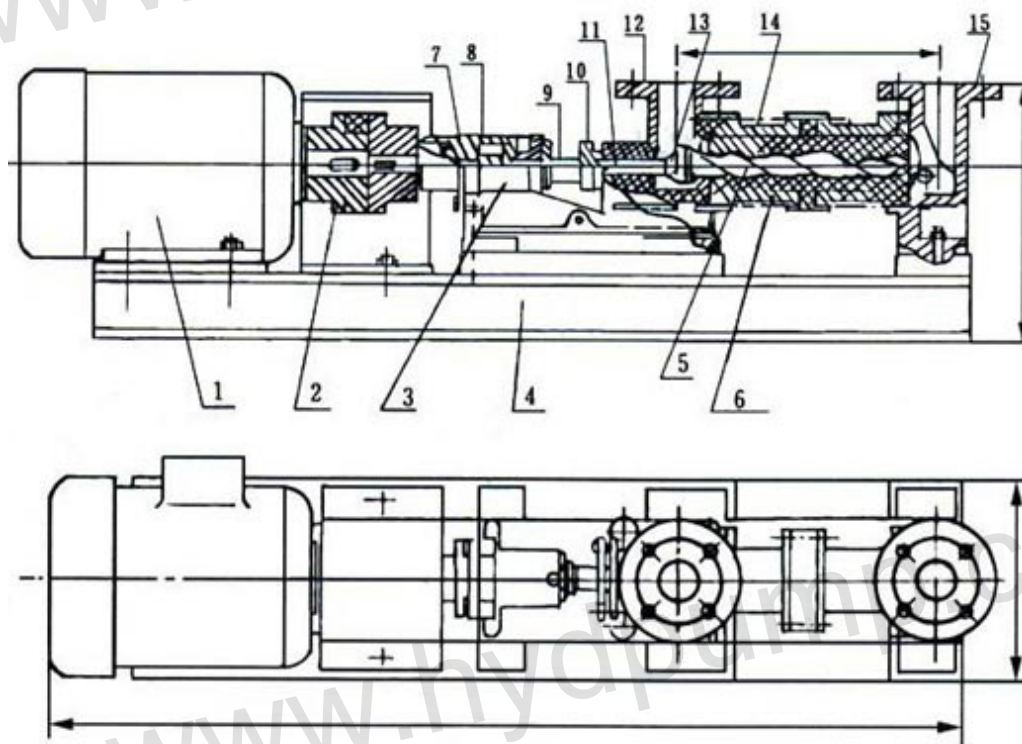
This pump is a single screw pump, so it pump slurry from one side to another side by the screw in the aix horizontal way.

Since the special structure of this pump, it can keep the liquids pumped in good situation, and can pump slurry with much solids and particles.

This pump can pump liquids with viscosity $<10000\text{PaS}$, It is the most ideal slurry pump for big viscosity.

Capacity: 2.39 to 38m³/h, head:50 to 80m. suction: 2 to 3m. (special demand can be negotiated)

Structure:



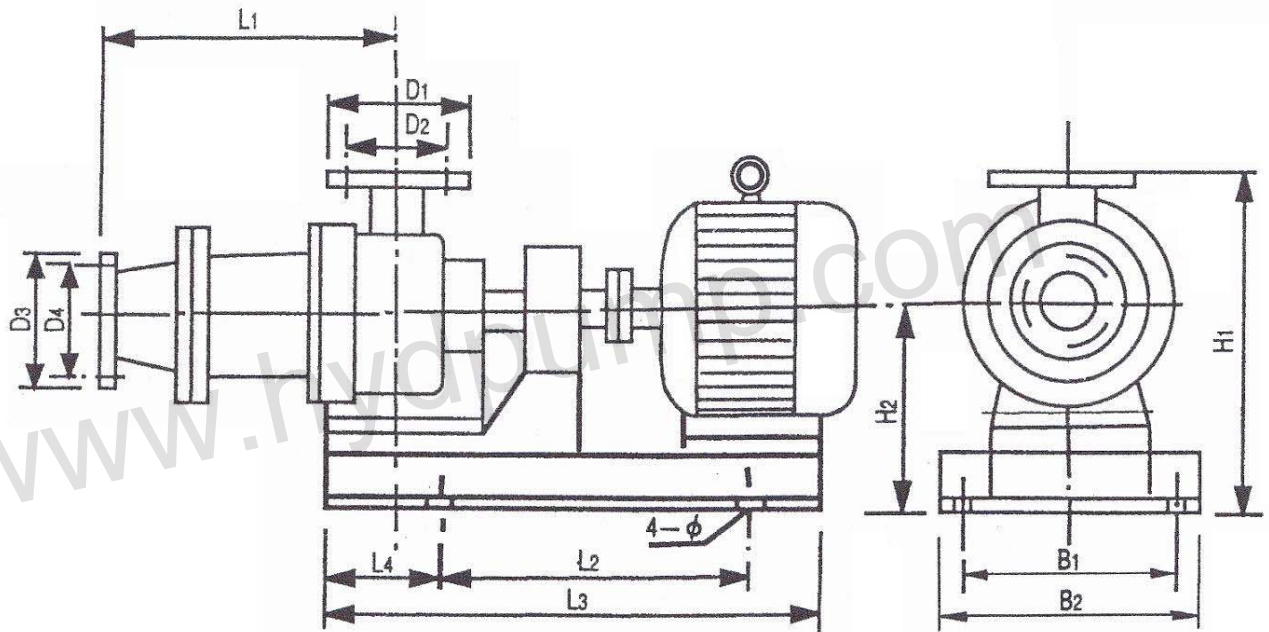
1 motor	2 coupler	3 pump body	4 bracket	5 screw shaft	6 rubber cover	7 cap	8 bearing
9 hollow shaft	10 stuffing cover	11 coil shaft	12 tee	13 cap	14 long hole	15 inlet	

Type	Rated Flow OMPA (m ³ /h)	Flow Q (m ³ /h)	Lift (m)	Suction (m)	Caliber (mm)	Speed (r/min)	Electric motor (KW)	Pressure (kg/cm ²)
I-1B1	2.39	1.5	50	2	25	960	1.1	5
I-1B1.5	5.2	3.2	80	3	40	960	2.2	8
I-1B2	8.85	5.6	80	3	50	960	3	8
I-1B2.5	10.6	6.5	60	3	65	960	3	6
I-1B3	18.1	12	60	3	75	960	5.5	6
I-1B4	24	16	60	3	100	960	7.5	6
I-1B5	36	25	60	3	125	960	11	6
I-1B6	38	30	60	3	150	960	15	6

Note: electric motor normally adopted 380V, 3 Phase, 50 Hz, if any change pleased be informed.



I-1B series pump dimension



Type	Caliber	L1	L2	L3	L4	L5	H1	H2	B1	B2	Φ	D1	D2	D3	D4
I-1B1	I-1B 25	250	455	620	85	45	225	140	160	190	14	115	85	115	85
	I-1B 25 (old)	350	495	680	90	55	250	160	150	190	14	115	85	115	85
I-1B1.5	I-1B 40	275	515	830	215	90	282	160	220	250	14	145	110	145	110
	I-1B 40 (old)	410	720	950	120	55	330	200	265	300	14	145	110	145	110
I-1B 2	I-1B 50	370	720	950	120	55	330	200	265	300	14	160	125	160	125
	I-1B 50 (old)	410	720	950	120	55	330	200	265	300	14	160	125	160	125
I-1B2.5	I-1B 65	410	720	950	120	55	330	200	265	300	14	180	145	180	145
I-1B3	I-1B 75	450	820	1100	155	55	385	220	285	320	16	195	160	195	160
	I-1B 75 (old)	500	820	1200	230	115	410	230	295	330	16	195	160	195	160
I-1B4	100	500	820	1200	230	115	410	230	295	330	16	215	180	215	180
I-1B5	125	500	820	1200	230	115	410	230	295	330	16	245	210	245	210