



INLINE PUMP ASI Series

A. USAGE

1. It can be used to increase the pressure of hot & cold water for tap water, high buildings, water towers, pressureless boilers, long-distance water supply, water for fire fighting, cooling towers, air conditioning systems, garden fountains, hotels, restaurants and bathrooms in dormitories;

2. To circulatively increase pressure for cooling water of plastic machines, to supply water for cooling towers in textile factories, dyeing & finishing mills, breweries and chemical plants as well as to transfer water and liquid.

B. PUMP KEY

ASI: Single -stage Inline Pump
50: Inlet & Outlet Diameter: 50mm

C. MATERIALS

The pump body is made of cast iron, the axle of #45 steel and the impeller of copper backed up by imported sealing rubber rings.

D. THE STARTING, RUNNING & MAINTENANCE

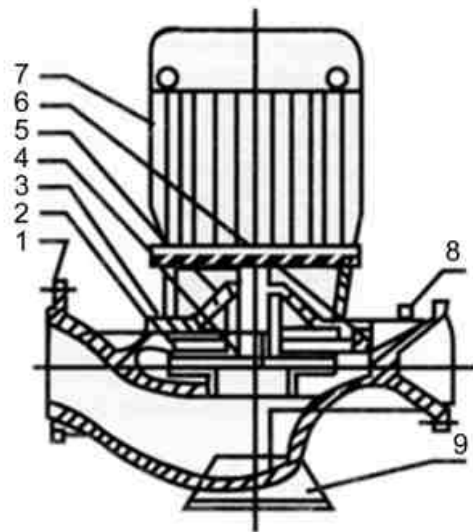
1. A pressure gauge is suggested to be installed at the flange of the pump so as to monitor and control the running position of the pump. Before starting, the pump should be filled fully with water and the air bleeder without water is forbidden, otherwise the sealing rings will be damaged.

2. After starting, turn the outlet valve gradually open and set it in a needed position.

3. To guarantee the motor to run well, a fuse should be installed at the switch. In case of noise and over temperature, the pump should be stopped immediately. Normally, the bearings of the motor should be given annual maintenance. The motor rotation is clockwise when view from the top, which is shown by a arrow marking on the pump.

E. STRUCTURE

- | | | |
|-------------------|--------------------|----------------------|
| 1. Pump Casing | 4. Bolt | 8. Air Release Valve |
| 2. Impeller | 5. Mechanical Seal | 9. Pump Base |
| 3. Terminal Cover | 6. Sealing Ring | |
| | 7. Motor | |



Model	Outlet Dia. (inch)	Power		Head (m)	Capacity (m ³ /h)	Head (m)	Capacity (m ³ /h)	Head (m)	Capacity (m ³ /h)	Speed (rpm)	Voltage (V)
		(HP)	(KW)								
ASI-32	1-1/4"	1/2HP	0.37	13	3	10	6	7	8.4	2850	415
ASI-40	1-1/2"	1HP	0.7	18	7.2	13.5	11.4	11	15.6	2850	415
ASI-50	2"	2HP	1.5	20.5	10.8	17.5	16.8	13.5	25.2	2850	415
ASI-65	2-1/2"	3HP	2.2	22	21.8	19.5	27	13.5	45	2850	415
ASI-80	3"	5HP	4	24	36	21	42	16	69	2850	415
ASI-100	4"	7-1/2HP	5.5	24	39	21	60	16	75	2850	415
ASI-100A	4"	10HP	7.5	30	78	25	105	20	126	2850	415



THONG FATT JAYA MACHINERY HARDWARE SDN. BHD.

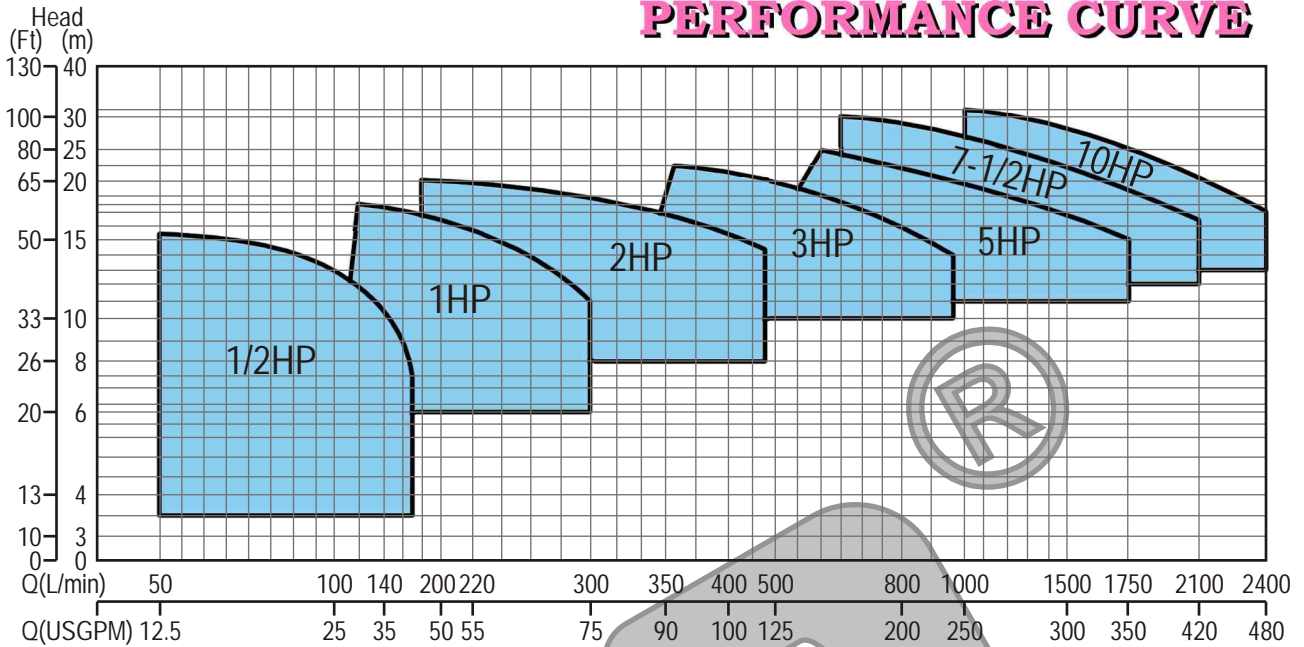
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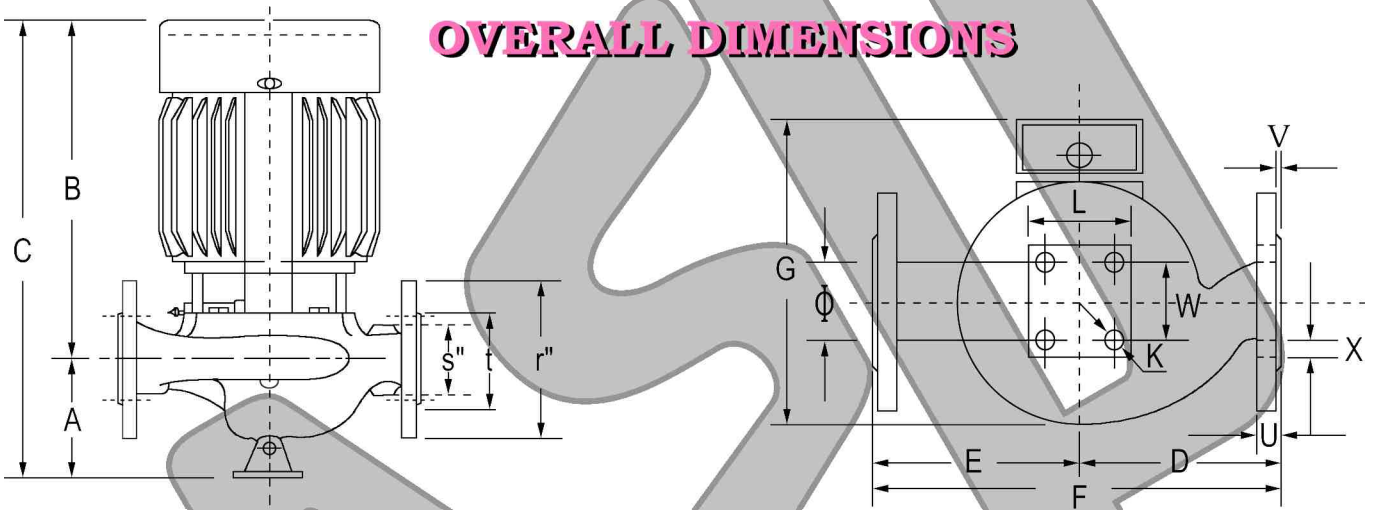


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PERFORMANCE CURVE



OVERALL DIMENSIONS



Model	Overall Dimensions (mm)																	Weight kg
	A	B	C	D	E	F	G	ϕ	r''	s''	t	U	V	X	L	W	ϕK	
ASI-32	82	271	353	129	129	258	220	32	120	70	75	17	3	10	103	108	13	20
ASI-40	92	300	402	143	143	286	235	40	137	85	87	19	3.5	16	125	135	13	25.5
ASI-50	87	333	420	151	151	302	250	50	150	95	100	19	3.5	16	125	135	13	35.5
ASI-65	102	358	460	163	163	326	255	65	170	120	124	20	3.5	16	125	163	13	43.5
ASI-80	115	403	518	168	168	336	285	80	180	132	135	20	3.5	16	145	154	13	60
ASI-100	135	418	553	194	194	388	306	100	206	150	153	25	3.5	16	190	190	13	80
ASI-100A	135	480	615	194	194	388	316	100	206	150	153	25	3.5	16	190	190	13	102.5