



INDUSTRIAL PUMPS

A Product From Professionals

Self Priming Mud Pumps

ISI Certified Products



Single Stage Horizontal, Centrifugal, Self Priming, End Suction Coupled Pump



Features:

- Long-life due to replaceable wearing parts.
- Dynamically balance rotating parts.
- Easy maintenance and pump spare availability.
- Designed for automatic air release during priming.
- Grease lubricated deep grooved ball bearings.

Applications:

- Dewatering, Mud, Marine, Effluent, Hotel, Loading & Transfer of Oils, Spirits, Swimming Pools, Gas, Oils, Engine Cooling.
- Vessels, industrial-pumping petroleum products, chemical.
- Civil construction dewatering foundations, trenches and pits, filter press feeding, ETP, STP, waste water treatment plant.
- Mobile machinery - cooling water for marine engines and shovels.
- Public utilities-sewage pumping.
- Pier, excavations, pits, pots-holes, etc., gram panchayats, municipalities public health departments, large housing colonies, industries like chemical, pharmaceuticals, food, cement, paper, sugar, salt, steel and other for liquids cargo from freighter, barges.

Volute Casing:

Heavy duty built in volute having self-priming features and integrally cast with a base from closed grained C.I. castings.

Impeller:

Non-clogging designed for high efficiency. Semi open type and are hand finished for perfect smooth flow.

Shaft:

Made of EN 9 steel specifications ample size to transmit power without distortion or vibration.

Bearings:

Antifriction ball bearings, single row deep grooved heavy selected to provide maximum service. Grease lubrication arrange by grease cups.

Stuffing Box:

Deep gland box used with graphite packing are lubricated by lantern ring with grease.

Flanges:

Companion flanges are supplied along with pumps.

Rotation:

Marked with arrow on casing of each pump, check before coupling with prime mover.

Base Plate:

Suitable base frame can be supplied along with pump.

M.O.C.:

C.I., C.S., SS304, SS316, Bronze, Alloy 20, CD4MCU etc.

Performance Chart

Model	Size I (mm) SUC.I DEL.	Impeller (mm)	solid Handling Size (mm)	Head (mtr)																	Power Rating		Speed RPM				
				6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42		44	46	HP	KW
Capacity in LPS																											
MOTOR COUPLED DRIVE	VRIHA-40S	40 x 40	116	7.0	4.6	4.1	3.5	2.6	1.5	0.5														1.0	0.75	2880	
	VRIHA-40B	40 x 40	134	8.5		6.8	5.9	5.3	4.9	4.4	3.9	1.9	1.5	0.8											2.0	2.0	2880
	VRIHA-50	50 x 50	145	10.5			9.0	8.2	7.5	7.0	6.7	5.7	5.0	4.7	4.0	2.6	1.9	0.8							3.0	2.2	2880
	VRIHA-80S	80 x 80	174	7.0										10.0	9.3	8.2	7.5	6.8	5.2	3.8	2.0				5.0	3.7	2880
	VRIHA-80B	80 x 80	174	14.5									17.2	16.3	16.2	15.5	14.8	14.0	12.5	10.2	8.0	5.5	4.8		7.5	5.5	2880
	VRIHA-80L	80 x 80	224	15.0	20	19	18.0	16.4	14.0	12.0	10.1	5.2													5.0	3.7	1400
	VRIHA-100S	100 x 100	292	18.5			36.0	33.9	31.2	30.1	28.6	25.5	23.9	22.5	18.0	12.0									10.0	7.5	1400
	VRIHA-100B	100 x 100	292	23.0			44.5	39.5	36.3	35.3	33.8	30.5	28.5	26.2	21.8	16.5	13.3	10.0	8.0						12.5	9.3	1440
	VRIHA-150S	150 x 150	296	34.0			66.2	63.3	59.8	57.5	55.0	48.9	45.5	42.4	34.2	23.8	20.0								20.0	15.0	1440
	VRIHA-150B	150 x 150	296	40.0			75.0	72.0	68.0	66.2	64.0	58.5	55.5	52.0	45.0	34.0	27.5	20.0							25.0	18.7	1440
VRIHA-200	200 x 200	314	50.0					177.0	170.0	168.0	160.0	153.0	149.0	130.0	104.0	80.0	55.0							60.0	45.0	1440	
ENGINE COUPLED DRIVE	VRIHA-80L	80 x 80	224	15.0	20	20	19.0	17.7	15.6	14.1	12.5	8.8	6.3	3.5										6.0	4.0	1500	
	VRIHA-80L	80 x 80	224	15.0			24.2	23.6	23.0	22.5	22.0	20.7	19.9	19.0	16.7	13.7	12.0	10.1	6.0						12.0	9.0	1800
	VRIHA-100S	100 x 100	292	18.5			36.6	33.9	32.5	31.2	28.2	26.3	25.0	21.5	17.1	14.5	11.5								12.0	9.0	1500
	VRIHA-100B	100 x 100	292	23.0			41.4	39.1	38.0	36.0	33.9	32.3	30.5	26.4	21.5	18.5	16.0	9.9							14.0	10.5	1500
	VRIHA-150S	150 x 150	296	34.0			68.0	66.1	63.0	62.0	59.0	53.5	51.7	48.0	41.0	32.8	28.4	22.5							22.0	16.5	1500
	VRIHA-150B	150 x 150	296	40.0			77.5	75.0	72.0	71.0	68.0	63.0	62.0	57.0	51.0	42.5	38.8	32.5							26.0	19.5	1500

Note: *Performance applicable to liquid of specific gravity one and viscosity as of water.

