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2020

KIRLOSKAR BROTHERS LTD.



Enriching Lives



**DC
HASTI
PUMBA PUZHA**
SINGLE PHASE
MONOBLOC PUMPS



HASTI



DC



PUMBA PUZHA

KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company

Established 1888

KIRLOSKAR PUMPS

TECHNICAL SPECIFICATION

Head	: Upto 25 metres
Capacity	: Upto 4.6 lps
Power Ratings	: 0.37 to 0.55 kW (0.5 to 0.75 HP)
Voltage Range	: 180 to 240 Volts (Single phase) except Hasti Pumps 160 to 240 Volts (Single phase) for Hasti Pumps

MATERIAL OF CONSTRUCTION

Impeller	: Cast Iron for DC Pumps Noryl for DC-4M, Pumba Puzha and Hasti Pumps
Delivery Casing	: Cast Iron
Motor Body	: Cast Iron (Extruded Aluminium for Pumba Puzha Pumps)
Pump shaft	: Carbon Steel

APPLICATIONS

- Domestic and community water supply
- Gardening and small farm irrigation
- Lawn sprinklers
- Fountains
- Water transfer and circulation

FEATURES

Wide Voltage Design

The motor is designed to withstand wide voltage fluctuations from 350 to 440 volts and reduces motor burning in case of low voltage.

Designed to Prevent Overloading

Lesser chances of motor burning as the motor does not get overloaded even if the pump is operated at a head lower than recommended, thus ensuring substantial cost savings due to low maintenance and breakdown.

Dynamically Balanced Rotating Parts

Minimum vibrations protect components from damages during the operations, thus ensuring consistent performance as concentricity is maintained.

Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which facilitates ease of maintenance thereby extending the life of the pump.

Automatic Air Release

Automatically releases air when the pump starts which ensures swifter and smoother operations, thus eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

CED – Cathodic Electro Deposition

CED is the latest coating technology for corrosion resistance with uniform coating. It provides 5 times more protection over conventional painting, resulting in longer life. All major CI parts of Kirloskar pumps coming in contact with the water are CED coated.

Shielded Ball Bearing

The pumps are fitted with shielded ball bearing which results in low noise level and so no external lubrication is required throughout the life cycle.

High Efficiency and Energy Saving Design

Innovative design manufactured at state of art plant, delivers optimum efficiency at lower energy consumption resulting in significant cost savings.

PERFORMANCE CHART FOR 'DC/HASTI/ PUMBA PUZHA' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50 Hz FREQUENCY, SINGLE PHASE A.C. POWER SUPPLY

S. No.	Pump Model	Power Rating		Pipe Size (mm)		FULL LOAD CURRENT (Amps)	RATED VOLTAGE (Volts)	TOTAL HEAD IN METRES											
		kW	HP	SUC.	DEL			8	9	10.5	12	13.5	15	16.5	18	20	22	24	25
								DISCHARGE IN LITERS PER SECOND											
1	HASTI 514LV	0.37	0.5	40	40	3.7	200	-	3.7	3.3	2.7	2.0	-	-	-	-	-	-	-
2	DC-0M	0.37	0.5	25	25	3.4	210	1.5	1.3	1.1	0.9	0.6	0.2	-	-	-	-	-	-
3	DC-1M*	0.37	0.5	25	25	3.4	210	1.9	1.8	1.6	1.4	1.1	0.9	0.6	0.3	-	-	-	-
4	PUMBA PUZHA *	0.37	0.5	25	25	2.6	220	-	1.9	1.8	1.6	1.4	1.1	0.8	0.4	-	-	-	-
5	DC-3M**	0.37	0.5	25	25	3.4	210	-	-	-	-	-	1.0	0.8	0.6	0.3	-	-	-
6	HASTI 520LV	0.37	0.5	25	25	3.7	200	-	-	-	-	-	1.7	1.4	1.2	0.6	-	-	-
7	DC-4M	0.55	0.75	25	25	4.8	210	-	-	-	-	1.6	1.5	1.4	1.3	1.2	1.0	0.8	0.6
8	DC-5M	0.55	0.75	40	40	5.1	200	-	4.6	3.6	1.8	-	-	-	-	-	-	-	-

Note : * Marked pumps are ISI certified and ** Marked pumps are star rated.
Performance applicable to liquid of specific gravity 1 and viscosity as of water.
LV Denotes - Low Voltage.

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Service Toll-Free No.

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