



Enriching Lives

# DOMESTIC

## PRODUCT RANGE

**MONOBLOC PUMPS**  
Single Phase



# KDS

## SINGLE PHASE MONOBLOC PUMPS



### FEATURES

#### Wide Voltage Design

The motor is designed to withstand wide voltage fluctuations from 180 to 240 volts and reduces motor burning in low voltage.

#### Replaceable Wearing Parts

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

#### TOP - Thermal Overload Protector

The pumpset features a Thermal Overload protector that protects the motor from overloading, shielding the motor and associated circuit from the effects of fault current.

#### CED – Cathode Electro Deposition Coating

CED is the latest coating technology for corrosion resistance with uniform coating, provides 5 times more protection over conventional painting, resulting in longer life.

#### Automatic Air Release

Eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

#### 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.

#### Dynamically Balanced Rotating Parts

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

#### Design to Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from maintenance and breakdown.

### TECHNICAL SPECIFICATION

Head Range	: Upto 52 meters
Discharge Range	: Upto 28 lps
Power Ratings	: 0.37 to 3.7 kW (0.5 to 5.0 HP)
Voltage Range	: 180 to 240 Volts (Single Phase) 120 to 220 Volts (Low Voltage) 230 to 400 Volts ("P" Series)
Insulation	: B / F Class
Protection	: IP 44 / IP 55

### MATERIAL OF CONSTRUCTION

Impeller	: Cast Iron/Noryl
Delivery Casing	: Cast Iron
Motor Body	: Cast Iron
Pump Shaft	: Carbon Steel
Sealing	: Mechanical Seal

### APPLICATIONS

- Gardening and small farm irrigation.
- Lawn sprinklers.
- Water supplies for high rise building.
- Domestic and community water supply.
- Water transfer and circulation.

PERFORMANCE CHART FOR 'KDS' 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)		Rated Voltage (Volts)	TOTAL HEAD IN METERS															
		kW	HP	SUC.	DEL.		4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34
							DISCHARGE IN LITERS PER SECOND															
1	KDS-0510+ *	0.37	0.5	50	40	210	-	3.4	2.6	1.0	-	-	-	-	-	-	-	-	-	-	-	
2	KDS-112 *	0.75	1	50	50	210	-	6.9	5.5	3.9	2.0	-	-	-	-	-	-	-	-	-	-	
3	KDS-116++	0.75	1	50	50	210	-	5.4	5.0	4.6	4.2	3.6	3.0	2.0	-	-	-	-	-	-	-	
4	KDS-116++ *	0.75	1	50	40	210	-	5.4	5.0	4.6	4.2	3.6	3.0	2.0	-	-	-	-	-	-	-	
5	KDS-120+	0.75	1	32	25	210	-	-	-	-	-	-	3.0	2.5	2.2	1.7	0.9	-	-	-	-	
6	KDS-123+	0.75	1	32	25	210	-	-	-	4.0	3.6	3.2	2.7	2.2	1.6	0.9	-	-	-	-	-	
7	KDS-128+ *	0.75	1	50	40	210	-	-	-	-	-	1.9	1.8	1.7	1.5	1.4	1.1	0.8	0.4	-	-	
8	KDS-128+ *	0.75	1	40	40	210	-	-	-	-	-	1.9	1.8	1.7	1.5	1.4	1.1	0.8	0.4	-	-	
9	KDS-128+ **	0.75	1	25	25	210	-	-	-	-	-	1.9	1.8	1.7	1.5	1.4	1.1	0.8	0.4	-	-	
10	KDS-134+ **	0.75	1	25	25	210	-	-	-	-	-	-	1.7	1.6	1.5	1.4	1.2	1.0	0.9	0.7	-	
11	KDS-1.514++ *	1.1	1.5	65	50	210	-	-	8.3	7.1	5.7	3.6	-	-	-	-	-	-	-	-	-	
12	KDS-1.514++ *	1.1	1.5	50	50	210	-	-	8.3	7.1	5.7	3.6	-	-	-	-	-	-	-	-	-	
13	KDS-1.522++ **	1.1	1.5	50	40	210	-	-	6.3	5.9	5.5	5.1	4.5	3.9	3.1	1.8	-	-	-	-	-	
14	KDS-1.525++ *	1.1	1.5	50	40	210	-	2.6	2.6	2.5	2.5	2.4	2.3	2.2	2.1	2.0	1.8	1.6	-	-	-	
15	KDS-212N *	1.5	2	80	80	230	-	14.1	12.4	10.4	7.5	-	-	-	-	-	-	-	-	-	-	
16	KDS-213 *	1.5	2	80	80	240	-	-	12.5	9.0	3.0	-	-	-	-	-	-	-	-	-	-	
17	KDS-216M	1.5	2	80	80	230	-	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	-	-	-	
18	KDS-216++ *	1.5	2	65	50	230	-	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	-	-	-	
19	KDS-220M	1.5	2	80	65	230	-	-	7.0	6.8	6.3	5.8	5.3	4.5	-	-	-	-	-	-	-	
20	KDS-220+	1.5	2	65	50	230	-	-	7.0	6.8	6.3	5.8	5.3	4.5	-	-	-	-	-	-	-	
21	KDS-220+ *	1.5	2	50	50	230	-	-	7.0	6.8	6.3	5.8	5.3	4.5	-	-	-	-	-	-	-	
22	KDS-222	1.5	2	65	50	220	-	-	-	8.4	8.0	7.5	6.7	5.7	4.2	2.0	-	-	-	-	-	
23	KDS-225++ *	1.5	2	50	50	230	-	-	5.3	5.1	4.9	4.7	4.5	4.2	3.9	3.5	3.1	-	-	-	-	
24	KDS-225+ *	1.5	2	50	40	230	-	-	-	-	6.3	6.1	5.9	5.6	5.2	4.8	4.2	3.0	-	-	-	
25	KDS-235 *	1.5	2	50	40	230	-	-	4.1	4.1	4.1	4.0	3.9	3.7	3.5	3.3	3.0	2.9	2.3	2.0	1.3	0.5
26	KDS-312	2.2	3	100	100	230	20.0	17.2	14.0	10.0	-	-	-	-	-	-	-	-	-	-	-	
27	KDS-314+	2.2	3	100	100	230	-	19.0	18.0	16.4	14.5	12.0	-	-	-	-	-	-	-	-	-	
28	KDS-314+ *	2.2	3	80	80	230	-	19.0	18.0	16.4	14.5	12.0	-	-	-	-	-	-	-	-	-	
29	KDS-318++	2.2	3	80	80	210	-	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	
30	KDS-318++	2.2	3	80	65	210	-	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	
31	KDS-318++	2.2	3	65	50	210	-	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	
32	KDS-325++ *	2.2	3	65	50	230	-	-	-	9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9	-	-	-	
33	KDS-335++	2.2	3	50	40	230	-	-	-	-	5.7	5.5	5.4	5.2	5.0	4.8	4.5	4.3	3.9	3.5	3.0	2.3
34	KDS-515+	3.7	5	100	100	230	-	-	-	28.0	24.0	19.0	12.5	-	-	-	-	-	-	-	-	
35	KDS-520+	3.7	5	80	80	230	-	24.0	23.0	22.0	20.8	19.5	17.9	16.0	14.0	11.0	-	-	-	-	-	
36	KDS-527++	3.7	5	80	65	230	-	-	-	-	-	-	14.3	13.5	12.5	11.6	10.3	8.7	6.4	-	-	
								18	20	22	24	26	28	30	32	34	36	38	40	44	48	52
37	KDS-1.540+ **	1.1	1.5	32	25	210	-	-	-	2.0	1.9	1.7	1.6	1.5	1.3	1.1	0.9	0.6	-	-	-	
38	KDS-246	1.5	2	32	25	210	-	-	-	-	-	-	-	3.2	3.0	2.8	2.5	2.2	1.7	0.5	-	
39	KDS-538+	3.7	5	65	50	230	-	-	8.5	8.4	8.3	8.1	7.8	7.6	7.1	6.1	5.8	-	-	-	-	
40	KDS-550+	3.7	5	50	40	230	-	-	-	-	-	-	-	-	-	-	4.1	3.9	3.7	3.3	2.7	2.0

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.



PERFORMANCE CHART FOR 'KDS-LV' 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)		Rated Voltage (Volts)	TOTAL HEAD IN METERS												
		kW	HP	SUC.	DEL		4	6	8	10	12	14	16	18	20	22	24	26	28
							DISCHARGE IN LITERS PER SECOND												
1	KDS-112 LV *	0.75	1	50	50	160	-	6.9	5.5	3.9	2.0	-	-	-	-	-	-	-	
2	KDS-113 LPLV *	0.75	1	50	50	160	-	-	7.0	5.7	4.2	2.1	-	-	-	-	-	-	
3	KDS-116 LV *	0.75	1	50	40	160	-	5.4	5.0	4.6	4.2	3.6	3.0	2.0	-	-	-	-	
4	KDS-128 LV	0.75	1	40	40	160	-	-	-	-	-	1.9	1.8	1.7	1.5	1.4	1.1	0.8	0.4
5	KDS-1.514+ LV	1.1	1.5	65	50	160	-	-	8.5	7.2	5.7	3.6	-	-	-	-	-	-	
6	KDS-1.514 LV	1.1	1.5	50	50	160	-	-	8.5	7.2	5.7	3.6	-	-	-	-	-	-	
7	KDS-1.522 LV	1.1	1.5	50	40	160	-	-	6.3	5.9	5.5	5.1	4.5	3.9	3.1	1.8	-	-	
8	KDS-1.525 LV	1.1	1.5	50	40	160	-	2.6	2.6	2.5	2.5	2.4	2.3	2.2	2.1	2.0	1.8	1.6	-
9	KDS-212N LV *	1.5	2	80	80	200	-	14.1	12.4	10.5	7.5	-	-	-	-	-	-	-	
10	KDS-216 LV *	1.5	2	65	50	200	-	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	
11	KDS-216+ LV *	1.5	2	80	65	200	-	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	
12	KDS-216M LV	1.5	2	80	80	200	-	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	
13	KDS-220M LV	1.5	2	80	65	200	-	-	7.0	6.8	6.3	5.8	5.3	4.5	-	-	-	-	
14	KDS-220 LV	1.5	2	65	50	200	-	-	7.0	6.8	6.3	5.8	5.3	4.5	-	-	-	-	
15	KDS-222 LV	1.5	2	65	50	200	-	-	-	8.4	8.0	7.5	6.7	5.7	4.2	2.0	-	-	
16	KDS-312 LV	2.2	3	100	100	200	20.0	17.2	14.0	10.0	-	-	-	-	-	-	-	-	

LV Denotes - Low Voltage

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.



PERFORMANCE CHART FOR 'KDS-P' 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)		Rated Voltage (Volts)	TOTAL HEAD IN METERS										
		kW	HP	SUC.	DEL		6	8	10	12	14	16	18	20	22	24	26
							DISCHARGE IN LITERS PER SECOND										
1	KDS-112 P	0.75	1	50	50	240	6.9	5.5	3.9	2.0	-	-	-	-	-	-	-
2	KDS-113 LP	0.75	1	50	50	240	-	6.5	5.3	3.5	1.5	-	-	-	-	-	-
3	KDS-116+P	0.75	1	50	40	240	5.4	5.0	4.6	4.2	3.6	3.0	2.0	-	-	-	-
4	KDS-1.516 LP	1.1	1.5	65	50	240	-	-	8.5	7.5	5.2	2.6	-	-	-	-	-
5	KDS-1.522+ P	1.1	1.5	50	40	240	-	6.3	5.9	5.5	5.1	4.5	3.9	3.1	1.8	-	-
6	KDS-1.525+ P	1.1	1.5	50	40	240	2.6	2.6	2.5	2.5	2.4	2.3	2.2	2.1	2.0	1.8	1.6
7	KDS-212N P	1.5	2	80	80	240	14.1	12.4	10.5	7.5	-	-	-	-	-	-	-
8	KDS-214 LP	1.5	2	80	80	240	14.0	12.0	9.5	7.0	3.0	-	-	-	-	-	-
9	KDS-216M P	1.5	2	80	80	240	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-
10	KDS-216 LP	1.5	2	80	65	240	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-
11	KDS-216 A	1.5	2	65	50	240	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-
12	KDS-216+ P	1.5	2	65	50	240	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-
13	KDS-220M P	1.5	2	80	65	240	-	7.0	6.8	6.3	5.8	5.3	4.5	-	-	-	-
14	KDS-220 A	1.5	2	65	50	240	-	7.0	6.8	6.3	5.8	5.3	4.5	-	-	-	-
15	KDS-220+ P	1.5	2	65	50	240	-	7.0	6.8	6.3	5.8	5.3	4.5	-	-	-	-
16	KDS-220+	1.5	2	50	50	240	-	7.0	6.8	6.3	5.8	5.3	4.5	-	-	-	-
17	KDS-222 P	1.5	2	65	50	240	-	-	7.8	7.0	6.2	5.3	4.0	1.2	-	-	-
18	KDS-225+ P	1.5	2	50	40	240	-	5.3	5.1	4.9	4.7	4.5	4.2	3.9	3.5	3.1	-
19	KDS-312 P	2.2	3	100	100	240	13.3	10.2	6.0	-	-	-	-	-	-	-	-
20	KDS-314+ P	2.2	3	100	100	240	19.0	18.0	16.4	14.5	12.0	-	-	-	-	-	-
21	KDS-318+ P	2.2	3	80	80	240	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-

**Note:** Performance applicable to liquid of specific gravity 1 and Viscosity as of water.



# KAM

## SINGLE PHASE MONOBLOC PUMPS



### FEATURES

#### Wide Voltage Design

The motor is designed to withstand wide voltage fluctuations from 120 to 220 volts and reduces motor burning in low voltage.

#### Automatic Air Release

Automatic releases air when starting the pump which ensures swifter and smoother operations Eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

#### Flatter Efficiency Curve

Minimum variations in efficiency during entire operating range increases the utility of pumpset for variable conditions.

#### Design to Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from maintenance and breakdown.

#### Dynamically Balanced Rotating Parts

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

#### CED – Cathodic Electro Deposition

CED is the latest coating technology for corrosion resistance with uniform coating, 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.

#### Easy Maintainable Designs

Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.

#### 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.

### TECHNICAL SPECIFICATION

Head Range	: Upto 19 meters
Discharge Range	: Upto 14.2 lps
Power Ratings	: 0.37 to 1.1 kW/ (0.5 to 1.5 HP)
Voltage Range	: 120 to 220 Volts (Single Phase Low Voltage) 180 to 240 Volts (Single Phase)
Insulation	: B Class
Protection	: IP 44

### MATERIAL OF CONSTRUCTION

Impeller	: Cast Iron
Delivery Casing	: Cast Iron
Motor Body	: Cast Iron
Pump Shaft	: Carbon Steel

### APPLICATIONS

- Gardening and small farm irrigation.
- Lawn sprinklers.
- Construction site.
- Domestic and community water supply.
- Water transfer and circulation.



PERFORMANCE CHART FOR 'KAM' 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)		Rated Voltage (Volts)	TOTAL HEAD IN METERS															
							4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
		kW	HP	SUC.	DEL	DISCHARGE IN LITERS PER SECOND																
1	KAM-0 LV	0.37	0.5	25	25	200	-	-	-	-	-	-	-	1.8	1.6	1.4	1.2	1.0	0.8	0.5	0.3	0.1
2	KAM-05	0.5	0.75	40	40	200	-	-	-	-	-	4.8	4.0	3.2	2.4	-	-	-	-	-	-	-
3	KAM-11	0.75	1	80	80	200	13.5	12.5	11.0	9.5	7.5	-	-	-	-	-	-	-	-	-	-	-
4	KAM-11 LV	0.75	1	80	80	160	13.5	12.5	11.0	9.5	7.5	-	-	-	-	-	-	-	-	-	-	-
5	KAM-15	1.1	1.5	80	80	230	-	-	-	-	-	14.2	13.0	12.0	11.0	9.0	6.5	-	-	-	-	-
6	KAM-15 LV	1.1	1.5	80	80	200	-	-	-	-	-	14.2	13.0	12.0	11.0	9.0	6.5	-	-	-	-	-

Note: LV Denotes - Low Voltage.



# DC HASTI PUMBA PUZHA

SINGLE PHASE  
MONOBLOC PUMPS



DC



HASTI



PUMBA PUZHA

## FEATURES

### Wide Voltage Design

The motor is designed to withstand wide voltage fluctuations from 180 to 240 volts and reduces motor burning in low voltage.

### Design to Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from maintenance and breakdown.

### Dynamically balanced rotating parts

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

### Replaceable Wearing Parts

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

### Automatic Air Release

Automatic releases air when starting the pump which ensures swifter and smoother operations. 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, 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 so no external lubrication required through life cycle and low noise level.

### 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.

## TECHNICAL SPECIFICATION

Head	:	Upto 25 meters
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.



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 METERS											
		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.