

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 METRES										
		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-214 LP	1.5	2	80	80	240	14.0	12.0	9.5	7.0	3.0	-	-	-	-	-	-
8	KDS-216M P	1.5	2	80	80	240	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-
9	KDS-216 LP	1.5	2	80	65	240	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-
10	KDS-216 A*	1.5	2	65	50	240	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-
11	KDS-216+ P	1.5	2	65	50	240	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-
12	KDS-222 P	1.5	2	65	50	240	-	-	7.8	7.0	6.2	5.3	4.0	1.2	-	-	-
13	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	-
14	KDS-312 P	2.2	3	100	100	240	13.3	10.2	6.0	-	-	-	-	-	-	-	-
15	KDS-314+ P*	2.2	3	100	100	240	19.0	18.0	16.4	14.5	12.0	-	-	-	-	-	-
16	KDS-318+ P	2.2	3	80	80	240	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-

Note: * Marked pumps are ISI certified.
Performance applicable to liquid of specific gravity 1 and Viscosity as of water.



KDS
SINGLE PHASE
MONOBLOC PUMPS



KIRLOSKAR PUMPS

TECHNICAL SPECIFICATION

Head Range	: Upto 52 metres
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 supply for high rise buildings
- Domestic and community water supply
- 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.

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.

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 – 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.

Automatic Air Release

Automatically releases air when the pump starts which ensures swifter and smoother operations, thus eliminates 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, thus ensuring consistent performance as concentricity is maintained.

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.

KIRLOSKAR PUMPS

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 METRES															
		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-134+**	0.75	1	25	25	210	-	-	-	-	-	-	1.7	1.6	1.5	1.4	1.2	1.0	0.9	0.7	-	
10	KDS-1.514++*	1.1	1.5	65	50	210	-	-	8.3	7.1	5.7	3.6	-	-	-	-	-	-	-	-	-	
11	KDS-1.514++**	1.1	1.5	50	50	210	-	-	8.3	7.1	5.7	3.6	-	-	-	-	-	-	-	-	-	
12	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	-	-	-	-	-	
13	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	-	-	-	
14	KDS-212N*	1.5	2	80	80	230	-	14.1	12.4	10.4	7.5	-	-	-	-	-	-	-	-	-	-	
15	KDS-213*	1.5	2	80	80	240	-	-	12.5	9.0	3.0	-	-	-	-	-	-	-	-	-	-	
16	KDS-216M	1.5	2	80	80	230	-	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	-	-	-	
17	KDS-216+**	1.5	2	65	50	230	-	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	-	-	-	
18	KDS-222*	1.5	2	65	50	220	-	-	-	8.4	8.0	7.5	6.7	5.7	4.2	2.0	-	-	-	-	-	
19	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	-	-	-	-	
20	KDS-225+**	1.5	2	50	40	230	-	-	-	-	6.3	6.1	5.9	5.6	5.2	4.8	4.2	3.0	-	-	-	
21	KDS-235+**	1.5	2	50	40	230	-	-	-	4.1	4.1	4.1	3.7	3.5	3.4	3.2	3.0	2.5	2.2	1.8	1.3	
22	KDS-312	2.2	3	100	100	230	20.0	17.2	14.0	10.0	-	-	-	-	-	-	-	-	-	-	-	
23	KDS-314+	2.2	3	100	100	230	-	19.0	18.0	16.4	14.5	12.0	-	-	-	-	-	-	-	-	-	
24	KDS-314+ *	2.2	3	80	80	230	-	19.0	18.0	16.4	14.5	12.0	-	-	-	-	-	-	-	-	-	
25	KDS-318++	2.2	3	80	80	210	-	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	
26	KDS-318++	2.2	3	80	65	210	-	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	
27	KDS-318++	2.2	3	65	50	210	-	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	
28	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	-	-	-	
29	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	
30	KDS-515+	3.7	5	100	100	230	-	-	-	28.0	24.0	19.0	12.5	-	-	-	-	-	-	-	-	
31	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	-	-	-	-	-	
32	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	
33	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	-	-	-	
34	KDS-246	1.5	2	32	25	210	-	-	-	-	-	-	-	3.2	3.0	2.8	2.5	2.2	1.7	0.5	-	
35	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	-	-	-	-	
36	KDS-550+	3.7	5	50	40	230	-	-	-	-	-	-	-	-	-	-	4.1	3.9	3.7	3.3	2.7	

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 METRES															
		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-222 LV	1.5	2	65	50	200	-	-	-	8.4	8.0	7.5	6.7	5.7	4.2	2.0	-	-	-	-	-	
13	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.

Performance applicable to liquid of specific gravity 1 and viscosity as of water.