

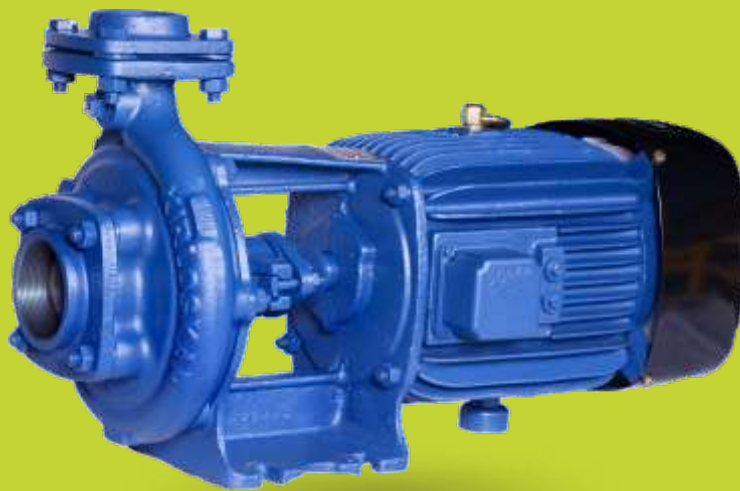


Enriching Lives



**KDS/GMC**

THREE PHASE  
MONOBLOC PUMPS



**ALWAYS BUY PUMPS WITH**



Enriching Lives

**and**



**LOGOS ON PACKING**

# KIRLOSKAR PUMPS

## TECHNICAL SPECIFICATION

Head Range	- Up to 80 Metres
Discharge Range	- Up to 49 LPS
Power Rating	- 0.37 to 22 kW (0.5 to 30 HP)
Voltage Range	- 300 to 440 Volts (Three Phase)
Insulation	- B Class (Up to 7.5 HP) / F Class (above 7.5 HP)
Protection	- IP44 / IP55

## MATERIAL OF CONSTRUCTION

	<b>GMC</b>	<b>KDS</b>
Impeller	- Cast Iron / Noryl	Cast Iron
Delivery Casing	- Cast Iron	Cast Iron
Motor Body	- Cast Iron	Cast Iron
Pump Shaft	- Carbon Steel	Carbon Steel
Sealing	- Mechanical Seal	Gland Packed

## APPLICATIONS

- Air conditioning and refrigeration systems
- Cooling towers
- Clear water handling at high pressure in industries
- Irrigation in horticulture & agriculture
- Fire fighting systems

## FEATURES

### **Flatter Efficiency Curve**

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

### **Wide Voltage Design**

The motor is designed to withstand wide voltage variation from 300 to 440 volts and reduces motor burning in case of low/high voltage.

### **Designed to Prevent Overloading**

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

### **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.

### **Dynamically Balanced Rotating Parts**

Minimum vibration protects the components from damage during the operation, thus ensuring consistent performance as concentricity is maintained.

### **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 ensuring swifter and smoother operations, thus eliminating the necessity of operating air release cock.

### **High Efficiency and Energy Saving Design**

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

# KIRLOSKAR PUMPS

**PERFORMANCE CHART FOR 'KDS+ /KDS++/GMC' SERIES, 2 POLE, MONOBLOC PUMP, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY**

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES																		
							DISCHARGE IN LITRES PER SECOND																		
		kW	HP	SUC.	DEL.	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
1	KDS - 0510+	0.37	0.5	50	40	415	3.4	2.6	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	GMC - 112	0.75	1.0	50	50	415	6.5	5.4	4.0	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	GMC - 116	0.75	1.0	50	40	415	5.4	5.0	4.6	4.2	3.6	3.0	1.9	-	-	-	-	-	-	-	-	-	-	-	-
4	GMC - 123	0.75	1.0	32	25	415	-	-	4.1	3.6	3.2	2.7	2.2	1.7	0.9	-	-	-	-	-	-	-	-	-	-
5	GMC - 128	0.75	1.0	40	40	415	-	-	-	1.9	1.85	1.8	1.7	1.6	1.4	1.1	0.8	0.4	-	-	-	-	-	-	-
6	GMC - 128	0.75	1.0	50	40	415	-	-	-	1.9	1.85	1.8	1.7	1.6	1.4	1.1	0.8	0.4	-	-	-	-	-	-	-
7	GMC - 134	0.75	1.0	25	25	415	-	-	-	-	-	1.78	1.76	1.73	1.67	1.55	1.35	1.1	0.8	0.4	-	-	-	-	-
8	GMC - 1.514	1.1	1.5	50	50	415	-	8.5	7.1	5.7	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	GMC - 1.522	1.1	1.5	50	40	415	-	6.3	5.9	5.5	5.0	4.5	3.9	3.1	1.8	-	-	-	-	-	-	-	-	-	-
10	GMC - 1.525	1.1	1.5	50	40	415	2.6	2.55	2.5	2.45	2.4	2.3	2.2	2.1	2.0	1.8	1.6	1.3	0.4	-	-	-	-	-	-
11	GMC - 1.540	1.1	1.5	32	25	415	-	-	-	-	-	-	-	-	2.0	1.9	1.7	1.6	1.45	1.3	1.1	0.9	0.6	-	-
12	KDS - 212+	1.5	2.0	80	80	415	14.1	12.4	10.5	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	KDS - 216++	1.5	2.0	65	50	415	-	11.0	10.1	8.8	7.1	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-
14	KDS - 225++	1.5	2.0	50	40	415	-	5.3	5.1	4.9	4.7	4.5	4.2	3.9	3.5	3.1	2.3	-	-	-	-	-	-	-	-
15	KDS - 235+	1.5	2.0	50	40	415	-	-	4.1	4.0	3.9	3.7	3.5	3.4	3.2	3.0	2.7	2.4	2.0	1.3	-	-	-	-	-
16	KDS - 314+	2.2	3.0	80	80	415	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17	KDS - 314+	2.2	3.0	100	100	415	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	KDS - 318++	2.2	3.0	80	65	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-	-	-
19	KDS - 318++	2.2	3.0	65	50	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-	-	-
20	KDS - 325++	2.2	3.0	65	50	415	-	-	9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9	-	-	-	-	-	-	-	-
21	KDS - 335++	2.2	3.0	50	40	415	-	-	-	5.05	4.9	4.8	4.6	4.5	4.35	4.2	4.0	3.8	3.5	3.2	2.7	2.0	-	-	-
22	KDS - 515+	3.7	5.0	100	100	400	33.0	30.5	28.0	24.0	19.0	12.0	-	-	-	-	-	-	-	-	-	-	-	-	-
23	KDS - 520+	3.7	5.0	80	80	400	-	23.0	22.0	20.8	19.5	17.9	16.0	14.0	11.0	-	-	-	-	-	-	-	-	-	-
24	KDS - 527++	3.7	5.0	80	65	400	-	-	-	-	-	14.3	13.5	12.5	11.6	10.4	8.7	6.4	-	-	-	-	-	-	-
25	KDS - 538+	3.7	5.0	65	50	400	9.0	8.9	8.85	8.8	8.7	8.6	8.55	8.45	8.35	8.25	8.1	7.9	7.6	7.1	6.6	6.0	5.1	4.0	-
26	KDS - 822++	5.5	7.5	100	100	400	-	-	-	27.3	25.6	24.0	22.1	20.0	17.5	14.5	-	-	-	-	-	-	-	-	-
27	KDS - 830++	5.5	7.5	80	65	400	-	-	-	-	-	19.0	18.2	17.3	16.4	15.3	14.2	12.7	11.1	-	-	-	-	-	-
28	KDS - 837+	5.5	7.5	65	65	400	-	-	-	-	-	-	-	-	12.75	12.6	12.5	12.2	11.8	11.1	10.3	9.0	7.3	-	-
29	KDS - 844++	5.5	7.5	65	65	400	-	-	-	-	-	-	-	-	-	10.6	10.2	9.9	9.5	9.0	8.4	7.8	7.0	6.1	4.7
30	KDS - 1030+	7.5	10.0	100	100	415	-	-	-	32.0	31.0	29.7	28.3	27.0	25.2	23.5	21.0	18.0	13.5	-	-	-	-	-	-
31	KDS - 1040+	7.5	10.0	80	65	415	-	-	23.5	23.0	22.6	22.2	21.5	20.9	20.3	19.5	18.7	17.9	17.0	15.8	14.6	13.4	12.0	9.6	-
32	KDS - 1331+	9.3	12.5	100	100	415	-	-	37.5	36.5	35.5	34.5	33.4	32.0	30.5	28.5	26.5	23.8	19.8	12.0	-	-	-	-	-
33	KDS - 1537+	11.0	15.0	100	100	415	-	-	39.0	38.5	38.0	37.2	36.5	35.5	34.5	33.0	31.6	30.0	27.8	25.0	22.0	17.5	-	-	-
34	KDS - 2030+	15.0	20.0	125	125	415	-	-	-	-	-	49.0	47.0	45.0	42.0	39.0	35.0	30.0	21.0	-	-	-	-	-	-

**PERFORMANCE CHART FOR 'KDS+ /KDS++/GMC' SERIES, 2 POLE, MONOBLOC PUMP, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY**

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES																		
							DISCHARGE IN LITRES PER SECOND																		
		kW	HP	SUC.	DEL.	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	52	54
35	KDS - 550++	3.7	5	50	40	400	-	-	-	-	-	-	-	-	-	-	4.1	3.9	3.7	3.5	3.3	3.0	2.7	2	-
36	KDS - 852++	5.5	7.5	65	50	400	-	-	-	-	-	-	-	-	8.6	8.3	8.0	7.75	7.4	7.1	6.7	6.3	5.9	4.5	-
37	KDS - 1050+	7.5	10	65	65	415	-	-	-	-	-	12.7	12.5	12.2	12.0	11.7	11.4	11.0	10.7	10.2	9.6	8.9	8.1	6.0	-
38	KDS - 1348+	9.3	12.5	80	65	415	-	-	-	19.5	19.2	18.8	18.5	18.1	17.6	17.2	16.6	15.9	15.1	14.3	13.0	11.9	10.2	6.5	-
39	KDS - 1555+	11.0	15	80	65	415	-	-	-	19.75	19.7	19.6	19.5	19.4	19.2	18.8	18.5	18.0	17.4	16.7	16.0	15.0	14.2	12.2	10.5
40	KDS - 2050+	15.0	20	100	80	415	35.0	34.2	33.8	33.0	32.2	31.7	30.8	30.1	29.5	28.8	28.0	27.0	26.0	25.0	24.0	22.5	21.0	19.4	13.5

**PERFORMANCE CHART FOR 'KDS+ /KDS++/GMC' SERIES, 2 POLE, MONOBLOC PUMP, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY**

S. No.	PUMP MODEL	Power Rating		Pipe Size (mm)		Rated Voltage (Volts)	TOTAL HEAD IN METRES																		
							DISCHARGE IN LITRES PER SECOND																		
		kW	HP	SUC.	DEL.	18	22	26	28	30	32	34	36	40	44	46	48	52	56	60	64	68	72	76	80
41	KDS - 1065++	7.5	10	65	50	415	-	-	-	-	-	-	-	-	7.8	7.3	7.1	6.9	6.4	5.8	5.1	4.3	3.0	-	-
42	KDS - 1360+	9.3	12.5	65	50	415	12.9	12.7	12.5	12.4	12.3	12.2	12.0	11.7	11.3	10.7	10.4	10.0	9.1	8.3	7.0	4.5	-	-	-
43	KDS - 1570+	11.0	15.0	65	50	415	-	-	-	13.2	13.1	13.0	12.9	12.8	12.5	12.0	11.8	11.5	10.7	10.0	9.0	8.0	6.5	-	-
44	KDS - 1575+	11.0	15.0	65	50	415	-	-	-	-	-	-	-	-	-	-	-	8.0	7.7	7.3	6.9	6.4	5.8	4.9	3.4
45	KDS - 2560+	18.5	25.0	100	80	415	-	-	-	-	-	-	-	-	-	26.0	24.7	23.5	21.0	17.0	7.0	-	-	-	-
46	KDS - 3068+	22.0	30.0	100	80	415	-	-	-	-	-	-	-	-	-	-	28.0	26.5	24.5	21.5	17.5	10.0	-	-	-

**Note:**

- All the pump set from 0.5 HP to 1.5 HP in mechanical seal arrangement and 2.0 HP to 20.0 HP in Gland pack arrangement except KDS - 212+ which is supplied only in mechanical seal arrangement.
- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.



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## Process for E-Warranty Registration for Newly Purchased Pumps



### THROUGH KBL'S OFFICIAL WEBSITE

- ✔ Go to our website <https://www.kirloskarpumps.com>
- ✔ Scroll down to E-Warranty registration.
- ✔ Choose Customer Category, enter your mobile number, and verify with the OTP.
- ✔ Enter the product's serial number or scan the nameplate with your phone.
- ✔ Add purchase date and proceed.
- ✔ Complete the form and hit Submit.



### USING WHATSAPP / EMAIL

- ✔ Share your invoice on KBL WhatsApp number - 9922710710 or mail us at [kblcare@kbl.co.in](mailto:kblcare@kbl.co.in)



### USING KBLONE4ALL APP

- ✔ Download KBLOne4All app from Google Play Store or iOS App Store.
- ✔ Choose Customer Category, input your mobile number, and verify with the OTP.
- ✔ Enter the 5-digit code received, then proceed.
- ✔ Add product details by manually entering the serial number or scanning the nameplate.
- ✔ Input purchase date and move to the next step.
- ✔ Complete required information, upload the invoice, and hit Submit.

**Note : E-Warranty Registration is essential to experience hassle-free support & after-sale service.**

**KIRLOSKAR BROTHERS LIMITED**

Established 1888

A Kirloskar Group Company



We are now on WhatsApp to assist you better

**9922710710**

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[www.kirloskarpumps.com](http://www.kirloskarpumps.com)

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