







KIRLOSKAR BROTHERS LIMITED

A Kirloskar Group Company Established 1888











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1800 103 4443

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KIRLOSKAR PUMPS KIRLOSKAR PUMPS

TECHNICAL SPECIFICATION

Head Range : Upto 76 metres

Discharge Range : Upto 39 lps

Power Ratings : 1.5 to 22 kW

(2 to 30 HP)

Voltage Range : 350 to 440 Volts (Three Phase)

Insulation : F Class
Protection : IP 55

MATERIAL OF CONSTRUCTION

Impeller : Cast Iron / Bronze / Stainless Steel

Delivery Casing : Cast Iron

Motor Body : Cast Iron

Pump Shaft : Stainless Steel

Sealing : Mechanical Seal

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

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

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.

Replaceable Wearing Parts

All we aring 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

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

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 which ensures swifter and smoother operations, thus eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

Mechanical Seal

Superior quality of mechanical seal ensures zero leakage, lower friction loss, protects from wearing of shaft, thus resulting in easy maintenance and longer life.

	PERFORMANO					2 POLE,	MONO	BLOC	PUMPS	S, AT R	ATED V	OLTAG					EE PH	ASE A.	C. POW	ÆR SU	PPLY	
S.	Pump Model	Por Rat	wer ting	Pipe Size (mm)		Rated Voltage	TOTAL HEAD IN METRES 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36															
No.		kW	HP	SUC.	DEL.	(Volts)	Ů		10	12	1-7				RES P			20	30	32	34	30
1	KDI-216+	1.5	2	65	50	415	-	11.0	10.0	8.8	7.1	4.0	-	-	-	-	-	-	-	-	-	-
2	KDI-225++	1.5	2	50	40	415	-	5.3	5.1	4.9	4.7	4.5	4.2	3.9	3.5	3.1	-	-	-	-	-	-
3	KDI-318++	2.2	3	65	50	415	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	-	-
4	KDI-318++	2.2	3	80	65	415	-	13.4	12.6	11.7	10.7	9.2	7.5	-	-	-	-	-	-	-	-	-
5	KDI-325++	2.2	3	65	50	415	-	9.2	8.8	8.4	7.9	7.4	7.0	6.4	5.8	4.9	-	-	-	-	-	-
6	KDI-515	3.7	5	100	100	415	32.8	31.0	28.0	24.2	19.0	12.5	-	-	-	-	-	-	-	-	-	-
7	KDI-520+	3.7	5	80	80	415	24.0	23.0	22.0	20.8	19.5	17.9	16.0	14.0	11.0	-	-	-	-	-	-	-
8	KDI-527++	3.7	5	80	65	415	-	-	-	-	-	14.3	13.5	12.5	11.6	10.3	8.7	6.4	-	-	-	-
9	KDI-822++	5.5	7.5	100	100	415	-	-	-	27.3	25.6	24.0	22.2	20.1	17.6	14.5	-	-	-	-	-	-
10	KDI-830++	5.5	7.5	80	65	415	-	-	-	-	-	19.0	18.2	17.3	16.4	15.4	14.2	12.7	11.1	-	-	-
11	KDI-1030+	7.5	10	100	100	415	-	-	-	32.0	31.0	29.8	28.5	27.0	25.0	23.5	21.0	18.0	-	-	-	-
12	KDI-1331+	9.3	12.5	100	100	415	-	-	37.5	36.5	35.5	34.5	33.4	32.0	30.5	29.0	26.5	23.8	19.8	12.0	-	-
							8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	40
13	KDI-235+	1.5	2	50	40	415	-	4.1	4.1	4.1	3.7	3.5	3.4	3.2	3.0	2.5	2.2	1.8	1.3	0.5	-	-
14	KDI-335++	2.2	3	50	40	415	-	-	5.7	4.9	4.8	4.7	4.6	4.4	4.2	4.0	3.8	3.6	3.2	2.7	2.0	-
15	KDI-538+	3.7	5	65	50	415	-	-	-	-	-	-	8.5	8.4	8.3	8.1	7.8	7.6	7.1	6.5	5.8	-
16	KDI-837+	5.5	7.5	65	65	415	-	-	-	-	-	-	-	-	12.6	12.5	12.2	11.8	11.1	10.3	9.0	-
17	KDI-1040+	7.5	10	80	65	415	-	23.5	23.0	22.6	22.2	21.6	20.9	20.3	19.5	18.7	17.9	17.0	15.7	14.6	13.4	9.6
18	KDI-1537+	11	15	100	100	415	-	39.0	38.5	38.0	37.2	36.5	35.3	34.5	33.0	31.6	30.0	28.0	25.0	22.0	17.5	-

S. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Voltage		TOTAL HEAD IN METERS																
							14	16	18	20	22	24	26	28	30	32	34	36	40	44	48	52	56	60
		kW	HP	SUC.	DEL.	(Volts)	DISCHARGE IN LITRES PER SECOND																	
19	KDI-550++	3.7	5	50	40	415	-	-	-	-	-	-	-	-	-	-	-	4.1	3.7	3.3	2.7	2.0	-	-
20	KDI-844++	5.5	7.5	65	65	415	-	-	-	-	-	-	-	10.3	9.9	9.5	9.0	8.4	7.1	4.7	-	-	-	-
21	KDI-852++	5.5	7.5	65	50	415	-	-	-	-	-	-	-	-	-	8.6	8.3	8.1	7.5	6.8	5.9	4.5	-	-
22	KDI-1050+	7.5	10	65	65	415	-	-	-	-	-	-	-	12.5	12.2	12.0	11.7	11.4	10.7	9.6	8.1	6.0	-	_
23	KDI-1348+	9.3	12.5	80	65	415	-	-	-	19.5	19.2	19.0	18.5	18.2	17.5	17.3	16.5	15.8	14.3	11.9	6.0	-	-	-
24	KDI-1555+	11	15	80	65	415	-	-	-	-	19.9	19.8	19.6	19.5	19.4	19.2	18.8	18.5	17.4	16.0	14.5	12.2	-	-
25	KDI-2050+	15	20	100	80	415	35.0	34.2	33.8	33.0	32.2	30.9	30.4	29.8	29.5	28.8	28.0	27.0	25.0	22.5	19.4	13.0	-	-
							18	22	26	28	30	32	34	36	40	44	48	52	56	60	64	68	72	76
26	KDI-1065+	7.5	10	65	50	415	-	-	-	-	-	-	-	-	7.8	7.4	6.9	6.4	5.8	5.1	4.3	3.0	-	-
27	KDI-1360+	9.3	12.5	65	50	415	12.8	12.7	12.6	12.5	12.3	12.2	12	11.7	11.3	10.7	10	9	8.25	7	-	-	-	-
28	KDI-1570+	11	15	65	50	415	-	-	-	13.4	13.2	13.0	12.8	12.7	12.5	11.7	11.5	10.7	9.7	9.0	8.0	6.5	-	-
29	KDI-1575+	11	15	65	50	415	-	-	-	-	-	-	-	-	-	-	-	8.1	7.7	7.4	6.9	6.4	5.8	4.9
30	KDI-2560+	18.5	25	100	80	415	-	-	-	-	-	-	-	-	-	26	23.5	21	17	7	-	-	-	-
31	KDI-3068+	22	30	100	80	415	_	_	_	-	_	_	_	_	_	_	28.0	26.5	24.5	21.5	17.5	10.0	- 2	_