



KDI

THREE PHASE MONOBLOC PUMP

SEAL WITH HNBR WHICH CAN HANDLE FLUID UP TO 120°C



BUY ELECTRIC PUMPS WITH PURE COPPER WINDING WIRES ONLY. **ENQUIRE BEFORE BUYING.**

STRENGTHENED BY



Wide Voltage Range



Designed to Prevent Overloading



Replaceable **Wearing Parts**



Dynamically Balanced Rotating Parts

ALWAYS BUY PUMPS WITH



and



LOGOS ON PACKAGING



TECHNICAL SPECIFICATION

Head Range - Up to 80 Metres
Discharge Range - Up to 39 LPS

Power Rating - 1.5 to 22 kW (2 to 30 HP)
Voltage Range - 350 to 440 Volts (Three Phase)

Insulation - F Class Protection - IP55

MATERIAL OF CONSTRUCTION

Impeller - Cast Iron / Bronze /Stainless Steel

Delivery Casing - Cast Iron

Motor Body - Cast Iron

Pump Shaft - Stainless Steel

Sealing - Mechanical Seal

(Carbon vs Ceramic with HNBR which can withstand fluid temperature up to 120°C)

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 350 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.

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.

PERFORMANCE CHART FOR KDI SERIES, 2 POLE, MONOBLOC PUMP, AT RATED VOLTAGE, 50 Hz FREQUENCY, THREE PHASE A.C. POWER SUPPLY																										
S. No.		Power Rating Pipe Size (n			70 (mm)	Rated									TOTA	L HEAD	IN ME	TRES								
	PUMP MODEL			,		Voltage	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
		kW	HP	SUC. DEL.		(Volts)								DISC	HARGE	IN LIT	RES P	ER SE	COND							
1	KDI - 216+	1.5	2.0	65	50	415	-	11.0	10.1	8.8	7.1	4.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	KDI - 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	-	-	-	-	-	-	-	-	-
3	KDI - 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	-	-	-	-	-	-
4	KDI - 314+	2.2	3.0	80	80	415	19.2	17.9	16.2	14.0	10.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	KDI - 318++	2.2	3.0	80	65	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-	-	-	-
6	KDI - 318++	2.2	3.0	65	50	415	-	13.4	12.6	11.7	10.7	9.2	7.5	4.5	-	-	-	-	-	-	-	-	-	-	-	-
7	KDI - 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	-	-	-	-	-	-	-	-	-
8	KDI - 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	-	-	-	-
9	KDI - 515	3.7	5.0	100	100	415	33.0	30.5	28.0	24.0	19.0	12.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	KDI - 520+	3.7	5.0	80	80	415	-	23.0	22.0	20.8	19.5	17.9	16.0	14.0	11.0	-	-	-	-	-	-	-	-	-	-	-
11	KDI - 527++	3.7	5.0	80	65	415	-	-	-	-	-	14.3	13.5	12.5	11.6	10.4	8.7	6.4	-	-	-	-	-	-	-	-
12	KDI - 538+	3.7	5.0	65	50	415	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	-	-
13	KDI - 822++	5.5	7.5	100	100	415	-	-	-	27.3	25.6	24.0	22.1	20.0	17.5	14.5	-	-	-	-	-	-	-	-	-	-
14	KDI - 830++	5.5	7.5	80	65	415	-	-	-	-	-	19.0	18.2	17.3	16.4	15.3	14.2	12.7	11.1	-	-	-	-	-	-	-
15	KDI - 837+	5.5	7.5	65	65	415	-	-	-	-	-	-	-	-	12.75	12.6	12.5	12.2	11.8	11.1	10.3	9.0	7.3	-	-	-
16	KDI - 844++	5.5	7.5	65	65	415	-	-	-	-	-	-	-	-	-	-	10.6	10.2	9.9	9.5	9.0	8.4	7.8	7.0	6.1	4.7
17	KDI - 1030+	7.5	10	100	100	415	-	-		32.0	31.0	29.7	28.3	27.0	25.2	23.5	21.0	18.0	13.5	-	-	-	-	-	-	-
18	KDI - 1040+	7.5	10	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	-	-
19	KDI - 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	-	-	-	-	-	-
20	KDI - 1537+	11.0	15	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	-	-	-	-
O							14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	52	54
21	KDI - 550++	3.7	5	50	40	415	-	-	-	-	-	-	-	-	-	-	-	4.1	3.9	3.7	3.5	3.3	3.0	2.7	2.0	-
22	KDI - 852++	5.5	7.5	65	50	415	-	-	-	-	-	-	-	-	-	8.6	8.3	8.0	7.75	7.4	7.1	6.7	6.3	5.9	4.5	-
23	KDI - 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	-
24	KDI - 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	13.2	11.9	10.2	6.5	-	-
25	KDI - 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
26	KDI - 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	-
							18	22	26	28	30	32	34	36	40	44	46	48	52	56	60	64	68	72	76	80
27	KDI - 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	-	-	-
28	KDI - 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	-	-	-	-
29	KDI - 1570+	11.0	15	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	-	-	-
30	KDI - 1575+	11.0	15	65	50	415	-	-	-	-	-	-	-	-	-	-	-	-	8.0	7.7	7.3	6.9	6.4	5.8	4.9	3.4
31	KDI - 2560+	18.5	25	100	80	415	-	-	-	-	-	-	-	-	-	26.0	24.7	23.5	21.0	17.0	7.0	-	-	-	-	-
32	KDI - 3068+	22.0	30	100	80	415	-	-	-	-	-	-	-	-	-	-	-	28.0	26.5	24.5	21.5	17.5	10.0	-	-	-

Note:

- Performance under standard test conditions and may vary on site conditions.
- Performance applicable to liquid of specific gravity 1 and viscosity as of water.

KIRLOSKAR BROTHERS LIMITED

Established 1888

A Kirloskar Group Company

Registered Office & Global Headquarters: "Yamuna", Survey No. 98/(3 to7), Plot No. 3, Baner, Pune - 411 045, Maharashtra, India Tel: +91(20)27214444, Email: marketing@kbl.co.in, Website: www.kirloskarpumps.com CIN No.: L29113PN1920PLC000670

