



Enriching Lives

KDT

THREE PHASE MONOBLOC PUMP



STRENGTHENED BY
99.9%
PURE EC GRADE
COPPER WINDING WIRES

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



**Wide Voltage
Range**



**Designed to Prevent
Overloading**



**Replaceable
Wearing Parts**



**Dynamically Balanced
Rotating Parts**

ALWAYS BUY PUMPS WITH



and



LOGOS ON PACKAGING

KDT

TWO STAGE THREE PHASE MONOBLOC PUMP

TECHNICAL SPECIFICATION

Head Range	- Up to 110 Metres
Discharge Range	- Up to 20 LPS
Power Rating	- 3.7 to 15 kW (5 to 20 HP)
Voltage Range	- 300 to 440 Volts (Three Phase)
Insulation	- B / F Class
Protection	- IP44 / IP55

MATERIAL OF CONSTRUCTION

Impeller	- Cast Iron / Bronze / Stainless Steel
Delivery Casing	- Cast Iron
Motor Body	- Cast Iron
Pump Shaft	- Carbon Steel / Stainless Steel
Sealing	- Gland Packed / Mechanical Seal

APPLICATIONS

- Air conditioning and refrigeration systems
- Cooling towers
- Clear water handling at high pressure in industries
- Fire fighting systems
- Industrial pressure boosting

FEATURES

Flatter Efficiency Curve

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

High Head Applications

The pump has been designed to deliver large volumes of water for high head applications, helping customers to achieve high turnaround time and productivity.

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.

PERFORMANCE CHART FOR 'KDT+' SERIES, 2 POLE, MONOBLOC PUMPS, AT RATED VOLTAGE, 50Hz FREQUENCY, THREE 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.		24	28	32	36	40	44	48	52	56	60	64	68	72	76
							DISCHARGE IN LITRES PER SECOND													
1	KDT - 544	3.7	5	65	50	400	7.3	6.8	6.2	5.6	4.8	3.5	-	-	-	-	-	-	-	-
2	KDT - 568+	3.7	5	50	40	400	-	-	-	4.3	4.0	3.7	3.4	3.0	2.5	2.0	1.2	-	-	-
3	KDT - 844+	5.5	7.5	80	65	400	12.6	11.8	10.9	10.0	9.0	7.5	5.2	-	-	-	-	-	-	-
4	KDT - 864+	5.5	7.5	65	50	400	-	-	7.6	7.25	6.9	6.5	6.1	5.6	5.0	4.2	2.8	-	-	-
5	KDT - 1050+	7.5	10	80	65	415	14.3	13.8	13.1	12.4	11.5	10.5	9.2	7.8	-	-	-	-	-	-
6	KDT - 1078+	7.5	10	65	50	415	-	-	-	8.3	8.0	7.7	7.4	7.1	6.7	6.2	5.6	5.0	4.0	2.1
7	KDT - 1372+	9.3	12.5	65	65	415	-	-	-	11.5	11.0	10.5	9.8	9.2	8.5	7.8	7.0	6.0	4.7	2.5
8	KDT - 2070+	15	20	80	65	415	-	-	-	-	20.0	19.0	18.2	17.2	16.2	15.0	13.8	12.0	9.2	-
							46	48	52	56	60	64	68	72	76	80	90	94	98	110
9	KDT - 1388+	9.3	12.5	65	50	415	-	-	-	-	7.2	6.9	6.5	6.2	5.8	5.4	3.9	3.0	-	-
10	KDT - 1580+	11	15	65	65	415	11.3	11.1	10.6	10.1	9.5	9.0	8.3	7.7	7.1	6.3	3.2	-	-	-
11	KDT - 1598+	11	15	65	50	415	-	-	-	-	-	-	-	7.4	7.1	6.7	5.7	5.3	4.8	1.8
12	KDT - 2095+	15	20	65	65	415	-	-	-	-	13.0	12.5	12.0	11.5	10.9	10.2	8.0	7.0	5.5	-

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

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FOR SERVICE OF PUMPS

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9922710710

(OR) Call on Toll Free Number:

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