

Authorised Dealer



VEMC
VIJAY ENGINEERING AND MACHINERY CO.

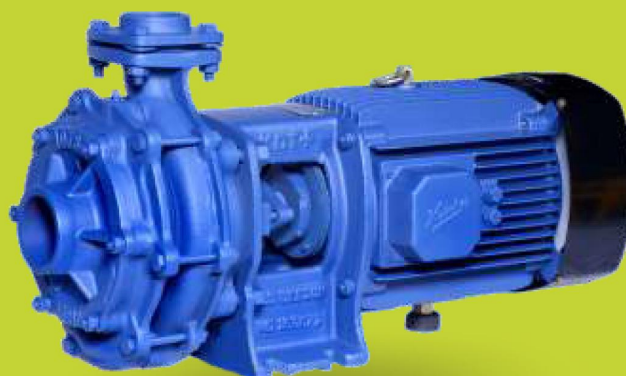
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2020
KIRLOSKAR BROTHERS LTD.



Enriching Lives



KDT
THREE PHASE
MONOBLOC PUMPS



KIRLOSKAR BROTHERS LIMITED
A Kirloskar Group Company
Established 1888

KIRLOSKAR PUMPS

TECHNICAL SPECIFICATION

Head Range	: Upto 98 metres
Discharge Range	: Upto 20 lps
Power Ratings	: 3.7 to 15 kW (5 to 20 HP)
Voltage Range	: 300 to 440 Volts (Three Phase)
Insulation	: B / F Class
Protection	: IP 44 / IP 55

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 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 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 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.

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, 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												
		kW	HP	SUC.	DEL.		28	32	36	40	44	48	52	56	60	64	68	72	76
1	KDT-544*	3.7	5	65	50	400	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	11.8	10.9	10.0	9.0	7.5	-	-	-	-	-	-	-	-
4	KDT-864+*	5.5	7.5	65	50	400	-	-	7.3	7.0	6.5	6.0	5.5	5.0	4.2	2.7	-	-	-
5	KDT-1050+*	7.5	10	80	65	415	13.8	13.2	12.4	11.5	10.5	9.2	7.8	-	-	-	-	-	-
6	KDT-1078+	7.5	10	65	50	415	-	-	8.2	8.0	7.8	7.5	7.1	6.7	6.2	5.6	4.9	4.0	2.0
7	KDT-1372+*	9.3	12.5	65	65	415	-	-	11.5	11.0	10.5	9.5	9.2	9.0	7.8	7.0	6.0	4.5	2.5
8	KDT-2070+*	15	20	80	65	415	-	-	-	20.0	19.0	18.0	17.0	16.0	15.0	13.5	12.0	9.0	-
							48	52	56	60	64	68	72	76	80	90	94	98	-
9	KDT-1388+	9.3	12.5	65	50	415	-	-	-	7.5	6.9	6.5	6.2	5.8	5.4	3.8	-	-	-
10	KDT-1580+*	11	15	65	65	415	11.2	10.5	10.1	9.5	9.0	8.3	7.8	7.1	6.2	3.2	-	-	-
11	KDT-1598+	11	15	65	50	415	-	-	-	-	-	-	7.8	7.1	6.7	5.7	5.3	4.8	-
12	KDT-2095+*	15	20	65	65	415	-	-	-	-	-	12.0	11.5	10.9	10.2	8.0	7.0	5.5	-

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

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