

Kirloskar 'KDT+' Series Two Stage Pumps

High Speed, Horizontal, Centrifugal, Monobloc with Volute Type Delivery Casing.

Range

Head : 8-102 metres.
Capacity : 19.5-0.4 litres per second.
Power Rating : 0.75 kW to 15.0 kW
(1.0 HP to 20.0 HP)

Material of Construction

Standard Supply
Impeller : Cast Iron
Delivery Casing : Cast Iron
Motor Body : Cast Iron
Shaft : Carbon Steel
Shaft Sleeve : Bronze

Direction of Rotation

Anticlockwise, when viewed from suction side.

Optional Supply

Impeller : Bronze
Shaft : Stainless Steel
Shaft Sleeve : Chrome Steel

Approximate performance of 'KDT+' series, 2 pole, monobloc pumps at rated voltage, 50Hz, Three Phase, A.C. power supply

PUMP MODEL	POWER RATING		PIPE SIZE (mm)		TOTAL HEAD IN METRES																				RATED VOLTAGE (VOLTS)				
	kW	HP	SUC.	DEL.	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46		48	50		
					CAPACITY IN LITRES PER SECOND																								
KDT-135+*	0.75	1.0	40	32	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.6	0.5	0.4											210	
KDT-544+	3.7	5.0	65	50											7.1	6.8	6.5	6.2	5.9	5.6	5.2	4.8	4.2	3.5			400		
KDT-844+	5.5	7.5	80	65											13.0	12.6	12.2	11.8	11.3	10.9	10.4	10.0	9.5	9.0	8.3	7.5		400	
KDT-1050+	7.5	10.0	80	65											14.4	14.1	13.8	13.5	13.2	12.8	12.4	12.0	11.5	11.0	10.5	9.8	9.2	8.5	415
					34	38	42	46	50	54	58	62	66	70	74	78	82	86	90	94	98	102							
KDT-568+	3.7	5.0	50	40	4.4	4.2	3.9	3.5	3.1	2.7	2.3	1.7															400		
KDT-864+	5.5	7.5	65	50	7.5	7.1	6.7	6.3	5.8	5.2	4.6	3.6															400		
KDT-1078+	7.5	10.0	65	50			7.9	7.6	7.2	6.9	6.4	5.9	5.2	4.4	3.3												415		
KDT-1372+	9.3	12.5	65	65	11.8	11.2	10.7	10.1	9.5	8.9	8.1	7.4	6.5	5.3	3.7												415		
KDT-1388+	9.3	12.5	65	50								7.0	6.7	6.3	5.9	5.5	5.0	4.5	3.8								415		
KDT-1580+	11.0	15.0	65	65				11.4	10.8	10.3	9.8	9.2	8.6	8.0	7.4	6.7	5.8	4.8	3.2								415		
KDT-1598+	11.0	15.0	65	50											7.2	6.8	6.5	6.1	5.7	5.3	4.8	4.2					415		
KDT-2070+	15.0	20.0	80	65			19.5	18.6	17.8	16.7	15.6	14.3	12.8	10.8													415		
KDT-2095+	15.0	20.0	65	65								12.8	12.3	11.7	11.2	10.5	9.8	9.0	8.0	7.0	5.5						415		

*KDT-135+ is supplied for single phase A.C. power supply. However, it can also be supplied for three phase A.C. power supply against the requirement.

All pumpsets except KDT-568+ and KDT-844+ are ISI marked.

Note : Performance applicable to liquid of specific gravity 1 and viscosity as of water.

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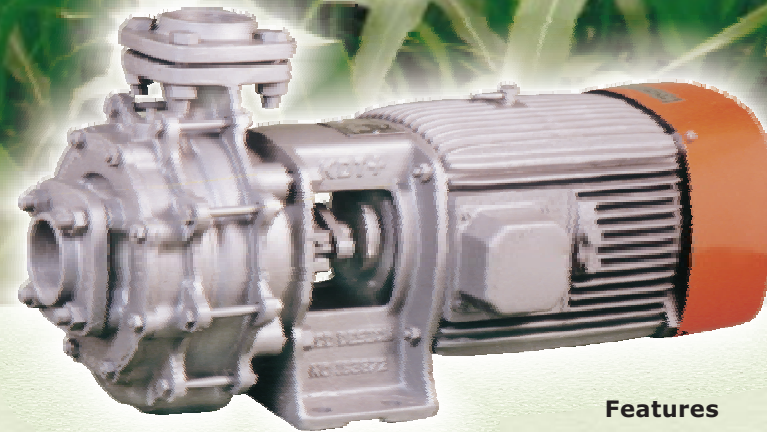
KDT+-080200

Kirloskar

KDT+
Monobloc Pumps

Kirloskar

Enriching Lives



Features

- Withstand wide voltage fluctuations: From 180-240 Volts (For single phase), From 300-440 Volts (For three phase).
- Suction lift upto 7.5 metres.
- Top flat efficiency curve: minimum variation in efficiency in entire operating range.
- Higher overall efficiency as compared to equivalent single stage pump.
- Back to back mounting of impellers results in zero axial thrust and hence longer bearing life.
- Models are with IP-44 protection. Models with IP-55 protection are also available on request.
- Class of insulation 'B' ('F' class for 9.3 kW and 11.0 kW rating).
- Dynamically balanced rotating parts ensure minimum vibrations.
- Replaceable wearing parts and hence longer life.
- Designed to prevent overloading and motor burning.
- Designed for automatic air release during priming.

Applications

- Sprinkler / conventional irrigation.
- Industries, for clear water supply at high pressure.
- Water supply for domestic use in Apartments, Building and Hotels.
- Refrigeration and air-conditioning systems.

