KIRLOSKAR

KHDT+

Two Stage End Suction Pumps

Features

- 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
- Can be run direct / through pulley with engine / motor
- Dynamically balanced rotating parts, ensure minimum vibrations during running
- Replaceable wearing parts and hence longer life
- Designed to prevent overloading of motor
- Designed for automatic air release during priming

Material of Construction

Standard Supply

Impeller	: Cast Iron
Delivery Casing	: Cast Iron
Shaft	: Carbon Steel

Optional Supply

Impeller	: Bronze
Shaft	: Stainless Steel

Applications

- Sprinkler / conventional irrigation

Range

Head	: 24 -104 metres
Capacity	: 19.4-1.0 LPS
Power Rating	: 3.7 kW-15.0 kW (5.0 HP- 20.0 HP)

Approximate performance

PUMP MODEL	POWER RATING		PIPE SIZE (mm)		TOTAL HEAD IN METRES																				RATED SPEED (RPM)
	kW	HP	SUC.	DEL.	24	26	28	30	32	34	36	38	40	42	44	46	48	50							
	DISCHARGE IN LITRES PER SECOND																								
KHDT-544+	3.7	5.0	65	50	7.2	7.0	6.7	6.4	6.0	5.7	5.3	4.9	4.4	3.7											2870
KHDT-844+	5.5	7.5	80	65	12.7	12.2	11.8	11.3	10.9	10.3	9.8	9.2	8.5	7.8	6.9										2900
KHDT-1050+	7.5	10.0	80	65	14.3	14.0	13.7	13.4	13.0	12.6	12.3	11.8	11.3	10.8	10.3	9.6	9.0	8.1							2900
					32	34	38	42	46	50	54	58	62	66	70	74	78	82	86	90	94	98	102	104	
KHDT-568+	3.7	5.0	50	40		4.4	4.1	3.8	3.5	3.0	2.5	2.0	1.0												2870
KHDT-864+	5.5	7.5	65	50	7.7	7.4	7.1	6.6	6.1	5.6	5.0	4.2													2900
KHDT-1078+	7.5	10.0	65	50		8.4	8.2	7.9	7.6	7.2	6.8	6.3	5.6	4.9	3.8										2900
KHDT-1388+	9.3	12.5	65	50									6.9	6.6	6.2	5.8	5.3	4.8	4.1	3.1					2900
KHDT-1580+	11.0	15.0	65	65						10.8	10.3	9.7	9.1	8.4	7.7	7.0	6.1	5.0	3.5						2900
KHDT-1598+	11.0	15.0	65	50												7.1	6.7	6.4	6.0	5.6	5.0	4.4	3.5	2.6	2900
KHDT-2070+	15.0	20.0	80	65				19.4	18.4	17.2	15.8	14.4	12.8	11.0											2900
KHDT-2095+	15.0	20.0	65	65									12.7	12.2	11.5	10.8	10.1	9.2	8.3	7.2	5.8				2900

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