



Enriching Lives

OTHER PRODUCT RANGE

END-SUCTION PUMPS



NW/NWD

END-SUCTION PUMPS



NW



NWD

FEATURES

Flatter Efficiency Curve

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

Automatic Air Release

Eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

Design To Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from maintenance and breakdown.

Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which provides ease of maintenance thereby extending the life of the pump.

Dynamically Balanced Rotating Parts

Minimum vibrations protect components from damages during the operations, consistent performance as concentricity is maintained.

Easy Maintainable Designs

Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.

Highly Efficient & Flexible Design

Designed to run directly through pulley with Engine / Motor.

TECHNICAL SPECIFICATION

	Engine Coupled	Motor Coupled
Head Range	: Upto 44 meters	Upto 32 meters
Discharge Range	: Upto 96.5 lps	Upto 87 lps
Power Rating	: 3.7 to 18.7 kW (5 to 25 HP)	2.2 to 11 kW (3 to 15 HP)

MATERIAL OF CONSTRUCTION

Impeller	: Cast Iron
Delivery casing	: Cast Iron
Pump shaft	: Carbon Steel

APPLICATIONS

- Irrigation in horticulture & agriculture.
- Rural water supply.
- Mounting on water tanker.

PERFORMANCE CHART FOR NW / NW+ / NWD ENGINE COUPLED END SUCTION PUMPS AT RATED SPEED																														
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	Impeller Diameter (mm)	TOTAL HEAD IN METERS																						
		kW	HP	SUC.	DEL			5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
								DISCHARGE IN LITRES PER SECOND																						
1	NW1+ / NW1D	4.3	5.7	65	50	1800	207	-	-	-	-	-	-	-	-	-	-	-	-	16.7	16.0	15.0	13.7	12.4	-	-	-	-	-	
2	NW1+ / NW1D	6	8	65	50	1800	223	-	-	-	-	-	-	-	-	-	-	-	-	19.8	18.5	18.0	17.3	16.4	15.2	14.1	12.6	-	-	
3	NW2+ / NW2D	3.7	5	80	65	1500	223	-	-	-	-	-	-	22.0	20.8	19.3	17.9	16.0	14.0	-	-	-	-	-	-	-	-	-	-	
4	NW2M+ / NW2DM+	3.7	5	80	80	1500	223	-	-	-	-	-	-	22.0	20.8	19.3	17.9	16.0	14.0	-	-	-	-	-	-	-	-	-	-	
5	NW2+ / NW2D	5.2	7	80	65	1800	203	-	-	-	-	-	-	-	-	24.0	23.1	21.8	20.6	19.5	18.0	16.0	14.0	-	-	-	-	-	-	
6	NW2M+ / NW2DM+	5.2	7	80	80	1800	203	-	-	-	-	-	-	-	-	24.0	22.8	21.8	20.7	19.5	18.0	16.0	14.0	-	-	-	-	-	-	
7	NW2+ / NW2D	6	8	80	65	1800	212	-	-	-	-	-	-	-	-	-	-	24.7	23.5	22.3	21.0	19.5	18.0	16.3	-	-	-	-	-	
8	NW2M+ / NW2DM+	6	8	80	80	1800	212	-	-	-	-	-	-	-	-	-	-	24.7	23.5	22.3	21.0	19.5	18.0	16.3	-	-	-	-	-	
9	NW2+ / NW2D	6.5	8.7	80	65	2000	196	-	-	-	-	-	-	-	-	-	-	-	25.0	24.0	22.7	21.4	20.0	18.7	17.1	-	-	-	-	
10	NW2M+ / NW2DM+	6.5	8.7	80	80	2000	196	-	-	-	-	-	-	-	-	-	-	-	25.0	24.0	22.7	21.4	20.0	18.7	17.1	-	-	-	-	
11	NW3+ / NW3+D	3.7	5	65	50	1500	239	-	-	-	-	-	-	-	-	-	-	14.3	13.5	12.7	11.7	10.7	9.5	-	-	-	-	-	-	
12	NW4+ / NW4D	3.7	5	100	100	1500	197	-	34.0	32.5	30.7	29.0	26.5	23.7	20.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
13	NW4+ / NW4D	4.3	5.7	100	100	1800	167	-	35.0	33.5	32.0	30.0	28.0	25.0	21.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
14	NW4+ / NW4D	4.5	6	100	100	1500	201	-	35.5	34.4	33.0	31.0	29.0	26.2	22.7	17.7	-	-	-	-	-	-	-	-	-	-	-	-	-	
15	NW4+ / NW4D	5.2	7	100	100	1500	206	-	-	36.0	34.5	33.0	31.1	29.0	26.7	23.5	-	-	-	-	-	-	-	-	-	-	-	-	-	
16	NW4+ / NW4D	5.2	7	100	100	1800	184	-	-	-	37.5	36.0	34.3	32.6	30.8	28.6	26.0	23.0	-	-	-	-	-	-	-	-	-	-	-	
17	NW4+ / NW4D	6	8	100	100	1800	188	-	-	-	37.0	36.0	34.7	33.4	31.6	29.7	27.4	24.5	20.0	-	-	-	-	-	-	-	-	-	-	
18	NW4+ / NW4D	6.5	8.7	100	100	2000	173	-	-	-	-	38.0	36.5	35.8	34.5	33.0	31.0	28.0	25.0	-	-	-	-	-	-	-	-	-	-	
19	NW7+ / NW7+D	4.5	6	100	80	1500	218	-	-	-	-	-	24.6	23.3	21.8	20.0	18.0	15.3	-	-	-	-	-	-	-	-	-	-	-	
20	NW7+ / NW7+D	5.2	7	100	80	1500	230	-	-	-	-	-	-	26.5	25.0	23.7	22.0	20.2	18.0	15.3	-	-	-	-	-	-	-	-	-	
21	NW7 / NW7D	6.5	8.7	100	80	1500	255	-	-	-	-	-	30.6	29.9	29.0	28.0	27.0	26.0	24.6	23.4	22.0	20.8	19.2	17.9	15.0	-	-	-	-	
22	NW7+ / NW7+D	7.5	10	100	80	1500	255	-	-	-	-	-	-	-	-	-	29.0	27.7	26.5	25.2	23.6	22.0	20.0	17.8	-	-	-	-	-	
23	NW7+ / NW7+D	8.6	11.5	100	80	1800	226	-	-	-	-	-	-	-	-	-	-	-	31.0	30.0	28.6	27.2	26.0	24.5	23.0	21.0	18.7	-	-	
24	NW8+ / NW8+D	7.5	10	100	100	1500	245	-	-	-	40.0	39.0	38.2	37.0	36.0	34.8	33.5	32.0	30.2	28.0	26.0	23.0	-	-	-	-	-	-	-	
25	NW9D	4.5	6	125	125	1500	177	58.7	53.2	48.0	42.0	33.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
26	NW9D	5.2	7	125	125	1500	183	-	57.6	52.5	47.0	41.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
27	NW9D	7.5	10	125	125	1500	198	-	66.0	61.5	57.0	51.3	45.0	37.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
28	NW9D	8.6	11.5	125	125	1800	175	-	-	-	65.0	61.2	56.7	51.7	45.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
29	NW9D	9	12	125	125	1500	205	-	-	65.5	61.5	57.3	52.7	48.0	40.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
30	NW9D	10.4	14	125	125	1800	186	-	-	-	72.0	68.7	65.0	61.1	56.4	51.7	46.2	-	-	-	-	-	-	-	-	-	-	-	-	
31	NW9D	11.9	16	125	125	1800	195	-	-	-	-	72.0	68.0	64.5	60.5	56.2	50.7	43.2	-	-	-	-	-	-	-	-	-	-	-	
32	NW9D	13	17.4	125	125	2000	182	-	-	-	-	77.0	73.6	70.4	66.7	63.0	58.7	54.0	46.5	-	-	-	-	-	-	-	-	-	-	
33	NW10D	14.2	19	125	125	1500	260	-	-	-	-	-	-	-	-	-	54.5	53.3	52.0	50.2	48.3	46.5	44.0	-	-	-	-	-	-	
34	NW10D	17.2	23	125	125	1800	234	-	-	-	-	-	-	-	-	-	-	-	-	58.4	57.0	55.5	54.0	52.5	49.7	48.8	-	-	-	
35	NW12D	14.2	19	150	150	1500	242	-	-	89.0	87.0	85.0	82.5	80.0	77.0	74.0	70.4	66.7	62.0	55.0	-	-	-	-	-	-	-	-	-	
36	NW12D	17.2	23	150	150	1800	212	-	-	95.0	92.7	91.0	89.0	86.4	84.0	81.7	78.5	75.5	71.8	66.0	62.3	56.0	-	-	-	-	-	-	-	
37	NW12D	18.7	25	150	150	2000	197	-	-	-	96.5	94.5	92.7	90.7	88.5	86.6	84.5	82.2	80.0	76.5	72.2	-	-	-	-	-	-	-	-	

Note: NW-9D (pipe size: 150x150 mm) can be supplied with 125 to 150 mm extension flanges for both suction and delivery sizes against requirement. Direction of rotation for all pump models is clockwise except for NW8D, NW10D, NW11D AND NW12D it is anticlockwise when viewed from suction side. Performance applicable to liquid of specific gravity 1 and Viscosity as of water.



PERFORMANCE CHART FOR NW / NW+ / NWD ENGINE COUPLED END SUCTION PUMPS AT RATED SPEED																														
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	Impeller Diameter (mm)	TOTAL HEAD IN METERS																						
		kW	HP	SUC.	DEL.			13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
								DISCHARGE IN LITRES PER SECOND																						
38	NW6 / NW6D	7.5	10	80	80	1500	295	-	-	-	-	-	-	-	-	-	-	-	-	17.0	15.6	13.6	10.6	-	-	-	-	-		
39	NW7+ / NW7+D	10.4	14	100	80	1800	240	-	-	-	-	-	33.0	32.0	31.0	30.0	29.0	27.5	26.0	24.2	22.5	20.1	-	-	-	-	-	-		
40	NW7+ / NW7+D	11.9	16	100	80	1800	250	-	-	-	-	-	34.5	34.0	33.0	32.0	31.0	29.9	28.5	27.1	26.6	23.7	21.5	-	-	-	-	-		
41	NW7+ / NW7+D	13	17.4	100	80	2000	236	-	-	-	-	-	-	-	36.5	35.8	34.8	33.8	32.8	31.5	30.3	29.0	27.8	26.2	24.5	22.5	20.5	-		
42	NW8+ / NW8+D	17.2	23	100	100	1800	258	-	-	-	-	-	-	-	45.0	44.0	43.0	41.9	40.2	38.8	37.0	35.0	33.3	31.2	-	-	-	-		
43	NW8+ / NW8+D	18.7	25	150	150	2000	197	-	57.5	56.0	54.8	53.6	52.5	51.3	50.1	49.0	48.0	47.0	45.7	44.5	43.0	42.0	40.7	39.2	38.0	36.0	34.2	32.0	30.0	-
44	NW10D	18.7	25	125	125	2000	220	-	-	-	-	-	61.5	60.3	58.8	57.5	56.2	55.0	53.5	51.2	-	-	-	-	-	-	-	-	-	
								20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
45	NW6 / NW6D	10.4	14	80	80	1800	274	-	-	-	-	-	-	-	-	-	-	-	-	17.0	15.5	13.7	11.5	8.2	-	-	-	-		
46	NW6 / NW6D	11.9	16	80	80	1800	288	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.9	17.5	16.0	14.0	11.5	7.5	-		
47	NW6 / NW6D	13	17.4	80	80	2000	265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.0	19.0	17.6	15.7	13.3	10.3		
48	NW 11D	7.75	10.5	100	80	1450	349	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.0	26.0	24.7	22.2	19.2		
								22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44
49	NW 14D	15.6	21.2	80	65	1800	293	11.0	10.8	10.7	10.6	10.5	10.3	10.2	10.0	9.8	9.5	9.3	9.0	8.8	8.4	8.2	7.8	7.4	7.0	6.5	5.8	5.2	4.2	2.8

PERFORMANCE CHART FOR NW / NW+ / NWD ENERGY EFFICIENT IE2 MOTOR COUPLED PUMPS AT RATED SPEED																										
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	Impeller Diameter (mm)	TOTAL HEAD IN METERS																		
		kW	HP	SUC.	DEL.			6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22		
		DISCHARGE IN LITRES PER SECOND																								
1	NW1++	2.2	3	65	50	1400	223	-	-	-	-	-	-	-	14.0	12.9	11.6	9.8	-	-	-	-	-	-	-	-
2	NW1+/NW1D	2.2	3	65	50	1400	223	-	-	-	-	-	-	-	14.0	12.9	11.6	9.8	-	-	-	-	-	-	-	-
3	NW2+/NW2D	3.7	5	80	65	1420	230	-	-	-	-	-	-	-	23.7	22.4	21.0	19.3	17.2	14.4	-	-	-	-	-	-
4	NW2M+/NW2DM+	3.7	5	80	80	1420	230	-	-	-	-	-	-	-	23.7	22.4	21.0	19.3	17.2	14.4	-	-	-	-	-	-
5	NW3+/NW3+D	3.7	5	65	50	1400	256	-	-	-	-	-	-	-	-	-	-	-	14.5	13.7	12.9	12.0	11.0	10.0	-	-
6	NW4+/NW4D	3.7	5	100	100	1420	206	34.0	32.7	31.2	29.5	27.4	25.0	21.0	-	-	-	-	-	-	-	-	-	-	-	-
7	NW7/NW7D	5.5	7.5	100	80	1450	255	-	-	-	-	29.6	28.8	27.9	27.0	26.0	24.8	23.8	22.8	21.0	19.6	18.0	16.0	12.4	-	-
8	NW7+/NW7+D	5.5	7.5	100	80	1420	255	-	-	-	-	-	-	-	28.0	26.7	25.5	24.0	22.5	20.6	18.5	16.0	-	-	-	-
9	NW8/NW8D	5.5	7.5	100	100	1450	238	-	-	37.0	35.9	34.8	33.5	32.2	31.0	29.2	27.0	25.0	22.6	19.4	-	-	-	-	-	-
10	NW8+/NW8+D	5.5	7.5	100	100	1450	238	-	-	35.0	34.0	33.0	31.8	30.4	29.7	26.8	24.2	21.0	-	-	-	-	-	-	-	-
11	NW8/NW8D	7.5	10	100	100	1450	258	-	-	-	-	-	40.0	39.0	37.8	36.2	35.0	34.0	32.6	31.0	29.0	26.4	24.0	20.4	-	-
12	NW8+/NW8+D	7.5	10	100	100	1450	258	-	-	-	-	-	-	-	-	36.0	34.5	33.0	31.0	29.0	27.0	24.0	-	-	-	-
13	NW9D	5.5	7.5	125	125	1450	197	62.0	57.4	52.2	47.0	40.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	NW9D	7.5	10	125	125	1450	210	73.0	70.0	65.7	62.0	57.5	52.0	45.0	36.0	-	-	-	-	-	-	-	-	-	-	-
15	NW10D	5.5	7.5	125	125	1450	206	-	-	42.5	41.5	39.8	37.2	34.5	-	-	-	-	-	-	-	-	-	-	-	-
16	NW10D	7.5	10	125	125	1450	228	-	-	-	-	47.5	46.0	44.0	42.0	40.0	37.5	-	-	-	-	-	-	-	-	-
17	NW10D	9.3	12.5	125	125	1450	245	-	-	-	-	-	-	-	50.5	49.0	47.0	45.0	43.0	41.0	-	-	-	-	-	-
18	NW10D	11	15	125	125	1450	260	-	-	-	-	-	-	-	54.0	52.9	51.3	50.0	48.0	46.2	44.0	42.0	-	-	-	-
19	NW12D	11	15	150	150	1450	242	87.0	85.5	83.7	81.0	78.5	76.0	73.0	69.0	65.5	61.0	54.0	-	-	-	-	-	-	-	-

PERFORMANCE CHART FOR NW / NW+ / NWD ENERGY EFFICIENT IE2 MOTOR COUPLED PUMPS AT RATED SPEED																										
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	Impeller Diameter (mm)	TOTAL HEAD IN METERS																		
		kW	HP	SUC.	DEL.			10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
		DISCHARGE IN LITRES PER SECOND																								
20	NW8/NW8D	9.3	12.5	100	100	1450	274	-	-	-	-	-	41.0	40.0	39.0	37.8	36.4	35.0	34.0	32.0	30.6	28.6	26.0	23.0	20.0	
								16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		
21	NW6/NW6D	5.5	7.5	80	80	1450	288	-	-	-	-	-	-	17.0	16.1	14.8	13.0	10.4	6.0	-	-	-	-	-	-	
22	NW6DM	7.5	10	80	80	1450	305	-	-	-	-	-	-	-	-	-	-	-	-	21.0	19.3	17.3	15.0	12.0	-	
23	NW8/NW8D	11	15	100	100	1450	289	43.2	42.0	41.2	40.6	39.2	28.6	37.2	36.0	34.6	32.8	31.4	29.0	26.8	23.0	20.0	-	-	-	

Note: NW-9D (pipe size: 150x150 mm) can be supplied with 125 to 150 mm extension flanges for both suction and delivery sizes against requirement. Direction of rotation for all pump models is clockwise except for NW8D, NW10D, NW11D and NW12D it is anticlockwise when viewed from suction side. Performance applicable to liquid of specific gravity 1 and viscosity as of water.



KE

END-SUCTION PUMPS



FEATURES

Flatter Efficiency Curve

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

Automatic Air Release

Eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

Design To Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from maintenance and breakdown.

Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which provides ease of maintenance thereby extending the life of the pump.

Dynamically Balanced Rotating Parts

Minimum vibrations protect components from damages during the operations, consistent performance as concentricity is maintained.

Easy Maintainable Designs

Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.

Highly Efficient & Flexible Design

Designed to run directly through pulley with Engine / Motor.

TECHNICAL SPECIFICATION

Head Range	:	Upto 23 meters
Discharge Range	:	Upto 37 lps
Power Rating	:	3.7 to 5.9 kW (5 to 8 HP)

MATERIAL OF CONSTRUCTION

Impeller	:	Cast Iron
Delivery casing	:	Cast Iron
Pump shaft	:	Carbon Steel

APPLICATIONS

- Irrigation in horticulture & agriculture.
- Rural water supply.
- Mounting on water tanker.

PERFORMANCE CHART FOR 'KE' SERIES, COUPLED END SUCTION PUMPS AT RATED SPEED																				
Sr. No.	Pump Model	Type	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	Impeller Diameter (mm)	TOTAL HEAD IN METERS											
			kW	HP	SUC.	DEL.			12	13	14	15	16	17	18	19	20	21	22	23
			DISCHARGE IN LITRES PER SECOND																	
1	65 KE-250+	AV-1	3.7	5	80	65	1500	223	22.0	20.7	19.5	17.8	16.0	14.0	10.8	-	-	-	-	-
2	65 KE-250+	TV-1	5.9	8	80	65	1800	221	-	-	-	24.8	23.8	22.8	21.8	20.4	19.0	17.4	15.5	12.4
									6	7	8	9	10	11	12	13	14	15	16	17
3	100 KE-215+	AV-1	3.7	5	100	100	1500	197	34.0	32.5	30.8	28.9	26.8	24.2	19.6	-	-	-	-	-
4	100 KE-215+*	TA-1	4.4	6	100	100	1500	201	35.2	33.7	32.0	30.2	28.2	25.7	22.7	17.7	-	-	-	-
5	100 KE-215+	TV-1	5.2	7	100	100	1500	206	-	36.0	34.5	32.8	31.2	29.2	27.0	24.0	19.0	-	-	-
6	100 KE-215+	TV-1	5.2	8	100	100	1800	188	-	-	37.0	36.0	34.7	33.3	31.6	29.7	27.2	24.4	20.0	-

NOTE: All pumps except 100 KE-215+, type TA-1 are ISI complied.
Performance applicable to liquid of specific gravity 1 and viscosity as of water.



KH

END-SUCTION PUMPS



FEATURES

Flatter Efficiency Curve

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

Automatic Air Release

Eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

Design To Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from maintenance and breakdown.

Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which provides ease of maintenance thereby extending the life of the pump.

Dynamically Balanced Rotating Parts

Minimum vibrations protect components from damages during the operations, consistent performance as concentricity is maintained.

Easy Maintainable Designs

Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.

Highly Efficient & Flexible Design

Designed to run directly through pulley with Engine / Motor.

TECHNICAL SPECIFICATION

- Head Range : Upto 52 meters
- Discharge Range : Upto 12 lps
- Power Rating : 0.25 to 7.5 kW (0.33 to 10 HP)

MATERIAL OF CONSTRUCTION

- Impeller : Cast Iron
- Delivery casing : Cast Iron
- Pump shaft : Carbon Steel

APPLICATIONS

- Irrigation in horticulture & agriculture.
- Rural water supply.
- Mounting on water tanker.

PERFORMANCE CHART FOR 'KH' SERIES, COUPLED END SUCTION PUMPS AT RATED SPEED																					
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	Impeller Diameter (mm)	TOTAL HEAD IN METERS													
		kW	HP	SUC.	DEL.			6	7	8	9	10	11	12	13	14	15	16	17	18	19
		DISCHARGE IN LITRES PER SECOND																			
1	KH-1	0.25	0.33	25	25	2900	80	2.0	1.6	0.8	-	-	-	-	-	-	-	-	-	-	
2	KH-1	0.37	0.5	25	25	2900	91	-	2.4	2.2	2.0	1.6	-	-	-	-	-	-	-	-	
3	KH-1	0.55	0.75	25	25	2900	99	-	-	2.8	2.6	2.4	2.2	1.6	0.4	-	-	-	-	-	
								15	16	17	18	19	20	21	22	23	24	25	26	27	28
4	KH-3	2.2	3	40	30	2810	146	-	-	-	-	-	-	-	6.4	6.1	5.8	5.4	4.9	4.4	3.4
5	KH-4	1.5	2	40	40	2800	148	6.0	5.6	5.2	4.9	4.5	4.0	3.5	3.0	2.3	1.1	-	-	-	-
6	KH-5	2.2	3	40	40	2810	149	-	-	-	-	-	-	-	6.4	6.0	5.4	4.7	3.7	-	
								30	32	34	36	38	40	42	44	46	48	50	52	54	56
7	KH-6	3.7	5	50	40	2820	172	6.8	6.4	5.5	4.5	3.0	-	-	-	-	-	-	-	-	
8	KH-7	5.5	7.5	50	40	2840	197.5	-	8.5	8.3	8.2	8.0	7.6	7.2	6.6	6.0	5.2	4.0	1.0	-	-
9	KH-12	7.5	10	65	50	2830	195	-	12.0	11.8	11.5	11.1	10.6	9.9	9.0	8.1	6.8	-	-	-	-

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



KHDT

END-SUCTION PUMPS

FEATURES

Flatter Efficiency Curve

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

Automatic Air Release

Eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

Design To Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from maintenance and breakdown.

Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which provides ease of maintenance thereby extending the life of the pump.

Dynamically Balanced Rotating Parts

Minimum vibrations protect components from damages during the operations, consistent performance as concentricity is maintained.

Easy Maintainable Designs

Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.

Highly Efficient & Flexible Design

Designed to run directly through pulley with Engine / Motor.

TECHNICAL SPECIFICATION

Head Range	: Upto 104 meters
Discharge Range	: Upto 19.4 lps
Power Rating	: 3.7 to 15 kW (5 to 20 HP)

MATERIAL OF CONSTRUCTION

Impeller	: Cast Iron
Delivery casing	: Cast Iron
Pump shaft	: Carbon Steel

APPLICATIONS

- Irrigation in horticulture & agriculture.
- Rural water supply.
- Sprinkler.



PERFORMANCE CHART FOR KHDT END SUCTION PUMPS AT RATED SPEED																					
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	TOTAL HEAD IN METERS														
		kW	HP	SUC.	DEL.		22	24	26	28	30	32	34	36	38	40	42	44	46	48	50
							DISCHARGE IN LITRES PER SECOND														
1	KHDT-544+	3.7	5	65	50	2870	-	7.2	7.0	6.7	6.4	6.0	5.7	5.3	4.9	4.4	3.7	-	-	-	
2	KHDT-844+	5.7	7.5	80	65	2900	-	12.7	12.2	11.8	11.3	10.9	10.3	9.8	9.2	8.5	7.8	6.9	-	-	
3	KHDT-1050+	7.5	10	80	65	2900	-	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
							32	34	38	42	46	50	54	58	62	66	70	74	78	82	86
4	KHDT-568+	3.7	5	50	40	2870	-	4.4	4.1	3.8	3.5	3.0	2.5	2.0	1.0	-	-	-	-	-	-
5	KHDT-864+	5.5	7.5	65	50	2900	7.7	7.4	7.1	6.6	6.1	5.6	5.0	4.2	-	-	-	-	-	-	-
6	KHDT-1078+	7.5	10	65	50	2900	-	8.4	8.2	7.9	7.6	7.2	6.8	6.3	5.6	4.9	3.8	-	-	-	-
7	KHDT-1580+	11	15	65	65	2900	-	-	-	-	-	10.8	10.3	9.7	9.1	8.4	7.7	7.0	6.1	5.0	3.5
8	KHDT-2070	15	20	80	65	2900	-	-	-	19.4	18.4	17.2	15.8	14.4	12.8	11.0	-	-	-	-	-
							50	54	58	62	66	70	74	78	82	86	90	94	98	102	104
9	KHDT-1388+	9.3	12.5	65	50	2900	-	-	-	6.9	6.6	6.2	5.8	5.3	4.8	4.1	3.1	-	-	-	-
10	KHDT-1598+	11	15	65	50	2900	-	-	-	-	-	-	7.1	6.7	6.4	6.0	5.6	5.0	4.4	3.5	2.6
11	KHDT-2095+	15	20	65	65	2900	-	-	-	12.7	12.2	11.5	10.8	10.1	9.2	8.3	7.2	5.8	-	-	-

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



SR

END-SUCTION PUMPS

FEATURES

Flatter Efficiency Curve

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

Automatic Air Release

Eliminating the necessity of operating air release cock and ensures swifter and smoother operations.

Design To Prevent Overloading

Lesser chances of motor burning as motor did not get overloaded even if the pump is operated at a head lower than recommended and saving substantial cost from maintenance and breakdown.

Replaceable Wearing Parts

All wearing parts within the pumps are easily accessible and replaceable which provides ease of maintenance thereby extending the life of the pump.

Dynamically Balanced Rotating Parts

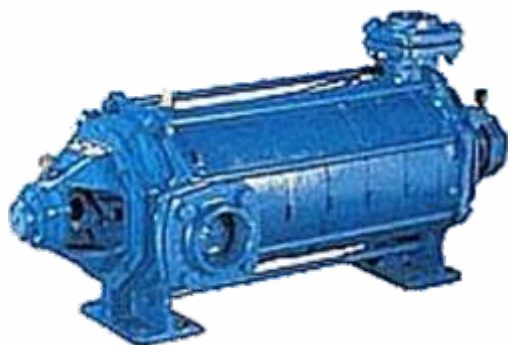
Minimum vibrations protect components from damages during the operations, consistent performance as concentricity is maintained.

Easy Maintainable Designs

Easy maintainable design and better interchangeability of components so that pump can be serviced even at remote locations by semi-skilled technicians.

Highly Efficient & Flexible Design

Designed to run directly through pulley with Engine / Motor.



TECHNICAL SPECIFICATION

Head Range	: Upto 136 meters
Discharge Range	: Upto 14.8 lps
Power Rating	: 5.9 to 19 kW (8 to 26 HP) with engine
	: 3.7 to 9.3 kW (5 to 12.5 HP) with motor

MATERIAL OF CONSTRUCTION

Impeller	: Cast Iron
Delivery casing	: Cast Iron
Pump shaft	: Carbon Steel

APPLICATIONS

- Irrigation in horticulture & agriculture.
- Rural water supply.
- Mines Dewatering.
- Firefighting.

PERFORMANCE CHART FOR 'SR' SERIES, ENGINE COUPLED END SUCTION PUMPS AT RATED SPEED																	
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	TOTAL HEAD IN METERS										
		kW	HP	SUC.	DEL		50	60	70	80	90	95	100	110	120	130	136
							DISCHARGE IN LITRES PER SECOND										
1	8SR7	5.9	8	65	50	1800	5.4	4.8	4.2	3.5	2.5	1.9	1.0	-	-	-	-
2	16SR6	11.8	16	80	65	1800	12.0	10.7	9.5	8.0	6.2	5.0	-	-	-	-	-
3	26SR9*	19	26	80	65	1800	14.8	13.9	13.1	12.4	11.5	11.1	10.6	9.5	8.2	6.8	6.4

Note: * Also available in reverse rotation as 26SR9R (Direction anti-clockwise when viewed from non-driving end).
Performance applicable to liquid of specific gravity 1 and viscosity as of water.

PERFORMANCE CHART FOR 'SR' SERIES, MOTOR COUPLED END SUCTION PUMPS AT RATED SPEED														
Sr. No.	Pump Model	Power Rating		Pipe Size (mm)		Rated Speed (RPM)	TOTAL HEAD IN METERS							
		kW	HP	SUC.	DEL		30	35	40	50	60	70	80	90
							DISCHARGE IN LITRES PER SECOND							
1	8SR7	3.7	5	65	50	1450	4.5	4.2	3.8	3.0	1.8	-	-	-
2	16SR6	7.5	10	80	65	1450	-	9.3	8.5	6.9	4.6	-	-	-
3	26SR9*	9.3	12.5	80	65	1450	-	11.5	11.1	10.1	9.0	7.8	6.4	3.8

Note: * Also available in reverse rotation as 26SR9R (Direction anti-clockwise when viewed from non-driving end).
Performance applicable to liquid of specific gravity 1 and viscosity as of water.