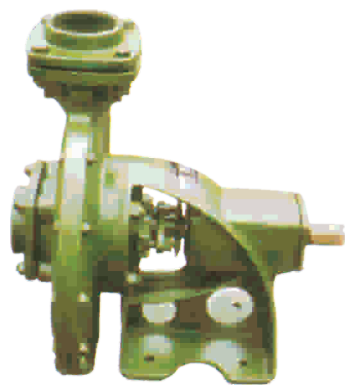


KIRLOSKAR
NW
End Suction Pumps



Features

- Suction lift upto 7.5 metres
- Top flat efficiency curve-minimum variation in efficiency in entire operating range
- Efficiency at par with internationally available pumps-higher upto 10 points than minimum required by Indian Standards specifications
- Can be run direct /through pulley with engine / motor
- Designed to prevent overloading of engine / motor
- Designed for automatic air release during priming
- Dynamically balanced obtaining parts ensure minimum vibrations
- Replaceable wearing parts and hence longer life
- Better sealing against air leakage due to greater stuffing box depth
- Provided with outer bearing stand (against requirement) for better support to pulley (In case

Material of Construction

Standard Supply

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

Applications

- Irrigation

Range

Head : 5-44 metres
Capacity : 96.5- 7.58 LPS
Power Rating :
Motor Coupled : 2.2kW-11.0kW
(3.0 HP- 15.0 HP)
Engine Coupled : 3.7kW-18.7kW
(5.0 HP-25.0 HP)

Approximate performance of 'NW/NW+NWD' Series, Coupled End Suction Pumps, at rated speed:
Engine Coupled Pumps

PUMP MODEL	PIPE SIZE (mm)	RATED SPEED (RPM)	IMP DIA. (mm)	POWER RATING	TOTAL HEAD IN METRES																																							
					SUC. DEL.		kW	HP	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44											
					DISCHARGE IN LITRES PER SECOND																																							
NW6/NW6D	80	80	1500	295	7.5	10.0										17.0	15.6	13.6	10.6																									
NW6/NW6D	80	80	1800	274	10.4	14.0																	17.0	15.5	13.7	11.5	8.2																	
NW6/NW6D	80	80	1800	288	11.9	16.0																					18.9	17.5	16.0	14.0	11.5	7.5												
NW6/NW6D	80	80	2000	265	13.0	17.4																						20.0	19.0	17.6	15.7	13.3	10.3											
NW7+/NW7+D	100	80	1800	250	11.9	16.0	34.5	34.0	33.0	32.0	31.0	29.9	28.5	27.1	26.6	23.7	21.5																											
NW7+/NW7+D	100	80	2000	236	13.0	17.4						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																				
NW8+/NW8+D	100	100	1800	258	17.2	23.0						45.0	44.0	43.0	41.9	40.2	38.8	37.0	35.0	33.3	31.2																							
NW11D	100	80	1450	349	7.75	10.5																												29.0	26.0	24.7	22.2	19.2						
NW14D	80	65	1800	293	15.6	21.2						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										

Note : Performance applicable to liquid of specific gravity 1 and viscosity as of water.
NW-9D (Pipe Size: 150 x 150 mm) is supplied with 125 to 150 mm extension flanges for both suction and delivery sizes against requirement.

Product Catalogue

Approximate performance of 'NW/NW+NWD' Series, Coupled End Suction Pumps, at rated speed:
'NW' Engine Coupled Pumps

PUMP MODEL	PIPE SIZE (mm)	RATED SPEED (RPM)	IMP DIA. (mm)	POWER RATING	TOTAL HEAD IN METRES																											
					SUC. DEL.		kW	HP	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
DISCHARGE IN LITRES PER SECOND																																
NW1+/NW1D	65	50	1800	207	4.6	5.7												16.7	16.0	15.0	13.7	12.4										
NW1+/NW1D	65	50	1800	221	5.2	7.0														17.4	16.5	15.5	14.5	13.0								
NW1+/NW1D	65	50	1800	223	6.0	8.0														19.5	18.5	18.0	17.3	16.4	15.2	14.1	12.6					
NW2+/NW2D	80	65	1500	223	3.7	5.0								22.0	20.8	19.3	17.9	16.0	14.0													
NW2+/NW2D	80	65	1800	203	5.2	4.0										24.0	23.1	21.8	20.6	19.5	18.0	16.0	14.0									
NW2M+/NW2DM+	80	80	1500	223	3.7	5.0								22.0	20.8	19.3	17.9	16.0	14.0													
NW2M+/NW2DM+	80	80	1800	203	5.2	7.0										24.0	22.8	21.8	20.7	19.5	18.0	16.0	14.0									
NW2+/NW2D	80	65	1800	212	6.0	8.0											24.7	23.5	22.3	21.0	19.5	18.0	16.3									
NW2M+/NW2DM+	80	80	1800	212	6.0	8.0											24.7	23.5	22.3	21.0	19.5	18.0	16.3									
NW2+/NW2D	80	65	2000	196	6.5	8.7												25.0	24.0	22.7	21.4	20.0	18.7	17.1								
NW2M+/NW2DM+	80	80	2000	196	6.5	8.7												25.0	24.0	22.7	21.4	20.0	18.7	17.1								
NW3/NW3+D	65	50	1500	239	3.7	5.0												14.3	13.5	12.7	11.7	10.7	9.5									
NW4+/NW4D	100	100	1500	197	3.7	5.0		34.0	32.5	30.7	29.0	26.5	23.7	20.0																		
NW4+/NW4D	100	100	1500	167	3.7	5.0		35.0	33.5	32.0	30.0	28.0	25.0	21.9																		
NW4+/NW4D	100	100	1500	201	4.5	6.0		35.5	34.4	33.0	31.1	29.0	26.2	22.7	17.7																	
NW4+/NW4D	100	100	1500	206	5.2	7.0			36.0	34.5	33.0	31.1	29.0	26.7	23.5																	
NW4+/NW4D	100	100	1800	184	5.2	7.0				37.5	36.0	34.3	32.6	30.8	28.6	26.0	23.0															
NW4+/NW4D	100	100	1800	188	6.0	8.0				37.0	36.0	34.7	33.4	31.6	29.7	27.4	24.5	20.0														
NW4+/NW4D	100	100	2000	173	6.5	8.7					38.0	36.5	35.8	34.5	33.0	31.0	28.0	25.0														
NW7+/NW7D	100	80	1500	255	6.5	8.7							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							
NW7+/NW7+D	100	80	1500	218	4.5	6.0								24.6	23.3	21.8	20.0	18.0	15.3													
NW7+/NW7+D	100	80	1500	230	5.2	7.0									26.5	25.0	23.7	22.0	20.2	18.0	15.3											
NW7+/NW7+D	100	80	1500	255	7.5	10.0											29.0	27.7	26.5	25.2	23.6	22.0	20.0	17.8								
NW7+/NW7+D	100	80	1800	226	8.6	11.5												31.0	30.0	28.6	27.2	26.0	24.5	23.0	21.0	18.7						
NW7+/NW7+D	100	80	1800	240	10.4	14.0													33.0	32.0	31.0	30.0	29.0	27.5	26.0	24.2	22.5	20.1				
NW7+/NW8+D	100	100	1500	245	7.5	10.0				40.0	39.0	38.2	37.0	36.0	34.8	33.5	32.0	30.2	28.0	26.0	23.0											
NW9D	125	125	1500	177	4.5	6.0	58.7	53.2	48.0	42.0	33.2																					
NW9D	125	125	1500	183	5.2	7.0		57.6	52.5	47.0	41.2																					
NW9D	125	125	1500	198	7.5	10.0		66.0	61.5	57.0	51.3	45.0	37.5																			
NW9D	125	125	1800	175	8.6	11.5			65.0	61.2	56.7	51.7	45.2																			
NW9D	125	125	1500	205	9.0	12.0			65.5	61.5	57.3	52.7	48.0	40.5																		
NW9D	125	125	1800	186	10.4	14.0				72.0	68.7	65.0	61.1	56.4	51.7	46.2																
NW9D	125	125	1800	195	11.9	16.0					72.0	68.0	64.5	60.5	56.2	50.7	43.2															
NW9D	125	125	2000	182	13.0	17.4					77.0	73.6	70.4	66.7	63.0	58.7	54.0	46.5														
NW10D	125	125	1450	260	11.0	15.0								54.0	52.9	51.3	50.0	48.0	46.2	44.0	42.0											
NW10D	125	125	1500	260	14.2	19.0										54.5	53.3	52.0	50.2	48.3	46.5	44.0										
NW10D	125	125	1800	234	17.2	23.0												58.4	57.0	55.5	54.0	52.5	49.7	48.8								
NW10D	125	125	2000	220	18.7	25.0													61.5	60.3	58.8	57.5	56.2	55.0	53.5	51.2						
NW12D	150	150	1500	242	14.2	19.0			89.0	87.0	85.0	82.5	80.0	77.0	74.0	70.4	66.7	62.0	55.0													
NW12D	150	150	1800	212	17.2	12.0			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											
NW12D	150	150	2000	197	18.7	25.0			96.5	95.5	92.7	90.7	88.5	86.6	84.5	82.2	80.0	76.5	72.2													

PUMP MODEL	PIPE SIZE (mm)	RATED SPEED (RPM)	IMP DIA. (mm)	POWER RATING	TOTAL HEAD IN METRES																																	
					SUC. DEL.		kW HP		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34									
									DISCHARGE IN LITRES PER SECOND																													
NW8+/NW8+D	100	100	2000	245	18.7	25.0	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											

Approximate performance of 'NW/NW+NWD' Series, Coupled End Suction Pumps, at rated speed:
'NW' Motor Coupled Pumps

PUMP MODEL	PIPE SIZE (mm)		RATED SPEED (RPM)	IMP DIA. (mm)	POWER RATING		TOTAL HEAD IN METRES																									
SUC. DEL.				kW	HP	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26						
DISCHARGE IN LITRES PER SECOND																																
NW1++	65	50	1400	223	2.2	3.0						14.0	12.9	11.6	9.8																	
NW1+NW1D	65	50	1400	223	2.2	3.0						14.0	12.9	11.6	9.8																	
NW2+/NW2D	80	65	1420	230	3.7	5.0						23.7	22.4	21.0	19.3	17.2	14.4															
NW2M+/NW2DM+	55	80	1420	230	3.7	5.0						23.7	22.4	21.0	19.3	17.2	14.4															
NW3+/NW3+D	65	50	1400	256	3.7	5.0										14.5	13.7	12.9	12.0	11.0	10.0											
NW4+/NW4D	100	100	1420	206	3.7	5.0	34.0	32.7	31.2	29.5	27.4	25.0	21.0																			
NW7+/NW7D	100	80	1450	255	5.5	7.5					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									
NW4+/NW4D+D	100	80	1420	255	5.5	7.5							28.0	26.7	25.5	24.0	22.8	20.6	18.5	16.0												
NW8/NW8D	100	100	1450	238	5.5	7.5		37.0	35.9	34.8	33.5	32.2	31.0	29.2	27.0	25.0	22.6	19.4														
NW8/NW8D	100	100	1450	258	7.5	10.0					40.0	39.0	37.8	36.2	35.0	34.0	32.6	31.0	29.0	26.4	24.0	20.4										
NW8/NW8D	100	100	1450	274	9.3	12.5								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						
NW8/NW8+D	100	100	1450	238	5.5	7.5		35.0	34.0	33.0	31.8	30.4	29.7	26.8	24.2	21.0																
NW8/NW8D	100	100	1450	258	7.5	10.0								36.0	34.5	33.0	31.0	29.0	27.0	24.0												
NW9D	125	125	1450	197	5.5	7.5	62.0	7.4	52.2	47.0	40.2																					
NW9D	125	125	1450	210	7.5	10.0	73.0	70.0	65.7	62.0	57.5	52.0	45.0	36.0																		
NW10D	125	125	1450	206	5.5	7.5		42.5	41.5	39.8	37.2	34.5																				
NW10D	125	125	1450	228	7.5	10.0					47.5	46.0	44.0	42.0	40.0	37.5																
NW10D	125	125	1450	245	9.3	12.5							50.5	49.0	47.0	45.0	43.0	41.0														
NW10D	125	125	1450	260	11.0	15.0							54.4	52.9	51.3	50.0	48.0	46.2	44.0	42.0												
NW12D	150	150	1450	242	11.0	15.0	87.0	85.5	83.7	81.0	78.5	76.0	73.0	69.0	65.5	61.0	54.0															

PUMP MODEL	PIPE SIZE (mm)		RATED SPEED (RPM)	IMP DIA. (mm)	POWER RATING		TOTAL HEAD IN METRES														
SUC. DEL.				kW	HP	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
DISCHARGE IN LITRES PER SECOND																					
NW8/NW8D	100	100	1450	289	11.0	15.0	43.2	42.0	41.2	40.6	39.2	38.6	37.2	36.0	34.6	32.8	31.4	29.0	26.8	23.0	20.0

PUMP MODEL	PIPE SIZE (mm)		RATED SPEED (RPM)	IMP DIA. (mm)	POWER RATING		TOTAL HEAD IN METRES										
	SUC. DEL.				kW	HP	22	23	24	25	26	27	28	29	30	31	32
DISCHARGE IN LITRES PER SECOND																	
NW6/NW6D	80	80	1450	288	5.5	7.5	17.0	16.1	14.8	13.0	10.4	6.0					
NW6DM	80	80	1450	305	7.5	10.5							21.0	19.3	17.3	15.0	12.0