

dharani[®] PUMPS

ISO 9001
ISO 14001
OHSAS 18001
CERTIFIED COMPANY

Water Lifting Solutions



Perfect Engineers
THE PERFECT PUMP

IS : 8472

CML-6687698

ISO 14001 REGISTERED

DNV
RMA C-425
DNV Certification B.V., The Netherlands

ISO 9001 REGISTERED

DNV
RMA C-074
DNV Certification B.V., The Netherlands

OHSAS 18001

DNV
CERTIFIED FIRM

Introduction :

dharanj[®] PUMPS stands for its top quality, robust, reliable and cost effective pumps with maximum efficiency that satisfies the need of every customer in various ranges of applications.

dharanj[®] PUMPS has recorded a remarkable growth with commitment towards value creation for its customers and stress on Research & Development

Quality Policy :

“Our commitment is to achieve Customer Satisfaction by supplying quality products on time, with the involvement of employees and by continually improving the effectiveness of the Quality Management System”

Infrastructure & Facilities :

dharanj[®] PUMPS have the requisite contemporary infrastructure spread over an expansive area. To facilitate smooth operations modern machineries like Fully-automatic Coil Winding machines, CNC machines, Surge comparator for testing winding defects, Vacuum Impregnation plant, Trickle Impregnation plant, Semi-automatic assembly lane, dynamic balancing machines for rotor with shaft and periodically calibrated electrical & mechanical instruments, various custom made special purpose machines, Sophisticated product testing centers are available to ensure quality.

“ dharanj[®] PUMPS facilitates smooth operations with Cutting-edge Technology that is Powered by Quality which has been Designed to Deliver the Engineering Excellence”

Research & Development :

Knowledge and Comprehensive design capabilities being the core competency of our organization. The Research & Development team which comprises dedicated professionals is constantly developing technology to meet the new challenges. Our day to day activities runs on custom made ERP software which was developed and maintained by our highly skilled software professional team.

Certification :

With an uncompromising attitude towards quality and excellence in delivering valuable products and services, our organizations create value for its customers and delivers what it commits. The Company is certified with ISO 9001, ISO 14001 & OHSAS 18001 and its products are ISI certified.

SELF PRIMING PUMPS

Structural Characteristics

- ♦ Internally mounted mechanical seal
- ♦ Fitted with thermal over load protector (TOP)
- ♦ Forged brass impeller ♦ Low power consumption



Performance

Single Phase 3000 RPM (Syn.) 50 Hz, 220 - 240 V, Capacitor start and run motor

S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters													
			kW	HP	6	9	12	15	18	21	24	27	30	33	35	40	48	
1	DMSE 0.25*	¾" x ¾"	0.18	0.25	20	17.5	15	12	10									
2	DMSE 0.50*	1" x 1"	0.37	0.5	35	31	27	23	19	15.5	11.5							
3	DMS 0.50*	1" x 1"	0.37	0.5	40	37	34	30.5	27.5	24.5	21	18	15					
4	DMSE 1.00*	1" x 1"	0.75	1	50	46.5	43.5	40	36.5	33	30	26.5	23	20	17.5	12		
5	DMSE 1.50	1" x 1"	1.1	1.5	66	62	58	54	50	46	42	38	34	30	27	21	12	
6	DMSV 0.50	1" x 1"	0.37	0.5	50	45	40	35	30	25	20	15	10					

* ISI Models

Performance - Slow Speed Model

Single Phase 1500 RPM (Syn.) 50 Hz, 220 - 240 V, Capacitor start and run motor



S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters													
			kW	HP	6	9	12	15	18	21	24	27	30	33	36	39	42	
1	DMSVS 0.50	1" x 1"	0.37	0.5	50	45	38	32	27	22	17	10						

PRIME MODEL PUMPS

Performance

Single Phase 3000 RPM (Syn.) 50 Hz, 220 - 240 V, Capacitor start and run motor



S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters													
			kW	HP	6	9	12	15	18	21	24	27	30	33	35	40		
1	DMP 0.50	1" x 1"	0.37	0.5	35	32	29	26	23.5	21	18	15						

SELF PRIMING CENTRIFUGAL SHALLOW WELL JET PUMPS

Structural Characteristics

- ♦ Internally mounted mechanical seal
- ♦ Fitted with thermal over load protector (TOP)
- ♦ Bronze Impeller ♦ Low power consumption



Performance

Single Phase 3000 - RPM (Syn.), 50Hz, 220 - 240 V, Capacitor start and run motor

S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters													
			kW	HP	6	9	12	15	18	21	24	27	30	33	36			
1	DSW 0.50	1" x 1"	0.37	0.5	60	54	47.5	41	35	29	22.5	16	10					

CENTRIFUGAL PUMPS

Structural Characteristics

- ◆ Internally mounted mechanical seal
- ◆ Cast Iron / Noryl Impeller
- ◆ Fitted with thermal over load protector (TOP)



Performance

Single Phase 3000 RPM (Syn.) 50 Hz, 220 - 240 V, Capacitor start and run motor, 0.5 HP to 5 HP

Three Phase 3000 - RPM (Syn.) 50 Hz, 415 V, 0.5 HP to 10 HP

S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters																
			kW	HP	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54
					Discharge in LPM																
1	DCE 05	1" x 1"	0.37	0.5	120	97	77	55	35	15											
2	DCF 05	1¼" x 1"	0.37	0.5			130	95	55	20											
3	DCI 05	1½" x 1½"	0.37	0.5		150	110	70													
4	DCK 05	2" x 2"	0.37	0.5	225	160	95	35													
5	DCE 10	1" x 1"	0.75	1			100	88	76	65	54	44	32	20							
6	DCF 10	1¼" x 1"	0.75	1				160	132	108	81	56	30								
7	DCI 10	1½" x 1½"	0.75	1			180	156	132	108	84	64									
8	DCK 10*	2" x 2"	0.75	1	300	248	192	140													
9	DCL 10*	2½" x 2"	0.75	1	400	320	240	152													
10	DCF 15	1¼" x 1"	1.1	1.5				125	115	105	95	85	75	65							
11	DCI 15	1½" x 1½"	1.1	1.5		275	235	190	150	110	70										
12	DCK 15*	2" x 2"	1.1	1.5	360	320	280	245	205	170											
13	DCL 15*	2½" x 2"	1.1	1.5	420	340	260	180													
14	DCI 20	1½" x 1½"	1.5	2			340	305	270	235	200	160									
15	DCK 20*	2" x 2"	1.5	2	400	365	335	300	265	235	200										
16	DCL 20*	2½" x 2"	1.5	2	480	410	335	265													
17	DCN 20*	3" x 2½"	1.5	2		540	360	180													
18	DCI 30**	1½" x 1½"	2.2	3		260	240	215	195	175	150	130	110	85	65						
19	DCK 30**	2½" x 2½"	2.2	3				475	400	325	250										
20	DCL 30**	2½" x 2"	2.2	3				475	400	325	250										
21	DCL 30H**	2½" x 2"	2.2	3			460	400	330	270	210	145	80								
22	DCM 30**	2½" x 2½"	2.2	3		520	465	410	355	300											
23	DCN 30**	3" x 2½"	2.2	3		540	485	435	390	330											
24	DCO 30**	3" x 3"	2.2	3	650	580	425	300													
25	DCK 50**	2" x 2"	3.7	5				420	360	300	250	200	140								
26	DCL 50**	2½" x 2"	3.7	5			900	720	450												
27	DCN 50**	3" x 2½"	3.7	5			925	750	475												
28	DCO 50**	3" x 3"	3.7	5		1200	950	650													
29	DCP 50**	4" x 3"	3.7	5	1300	1250	1000														
30	DCL 75	2½" x 2"	5.5	7.5					600	550	510	480	450	420	400	360	320	300	150		
31	DCN 75	3" x 2½"	5.5	7.5					1000	880	710	600	460	350							
32	DCP 75	4" x 3"	5.5	7.5		1600	1400	1200	1000	800	600	350									
33	DCL 100	2½" x 2"	7.5	10					650	600	560	520	480	450	400	360	320	280	240	200	
34	DCN 100	3" x 2½"	7.5	10					1250	1100	950	800	650	500	350						
35	DCP 100	4" x 3"	7.5	10					1600	1480	1320	1200	1100	980							

* Available in L / W Models

** Available in W Model

OPEN WELL SUBMERSIBLE PUMPS



Structural Characteristics

- Internally mounted mechanical seal
- Carbon bush bearing
- Works with control panel
- Cast Iron / Noryl Impeller
- Stainless steel shaft / body
- Low power consumption



Performance

Single Phase 3000 - RPM (Syn.), 50Hz, 220 - 240 V

Three Phase 3000 - RPM (Syn.) 50 Hz, 415 V

S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters																
			kW	HP	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54
					Discharge in LPM																
1	DMO 0.5	1¼" x 1"	0.37	0.5	120	99	75	52	30												
2	DMO 1.0	1¼" x 1"	0.75	1			160	140	120	100	80	60									
3	DMO 1.0 H	1" x 1"	0.75	1	125	112	100	87	74	61	49	36	23	10							
4	DMO 1.5	1¼" x 1"	1.1	1.5			220	190	160	130	100	70									
5	DMO 1.5 H	1¼" x 1"	1.1	1.5			110	102	95	87	79	71	64	56	48	40					
6	DMO 2.0	1¼" x 1"	1.5	2			240	218	195	173	150	128									
7	DMO 2.0H	1¼" x 1"	1.5	2							200	180	155	130	110	80	60				
8	DOK 20*	2" x 2"	1.5	2	400	360	320	300	260	230	200										
9	DOL 20*	2½" x 2"	1.5	2	480	400	340	270													
10	DON 20*	3" x 2½"	1.5	2	560	460	380	300													

* Available in W Model

Three Phase 3000 - RPM (Syn.) 50 Hz, 415 V

S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters																
			kW	HP	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54
					Discharge in LPM																
1	DOI 30	1½" x 1½"	2.2	3		300	280	250	220	200	180	150	120	100	75						
2	DOL 30	2½" x 2"	2.2	3			520	480	400	320	250										
3	DOM 30	2½" x 2½"	2.2	3		600	540	480	400	320											
4	DOK 50	2" x 2"	3.7	5					440	370	310	250	200	140							
5	DON 50	3" x 2½"	3.7	5			950	810	680	500	350										
6	DOO 50	3" x 3"	3.7	5		900	800	700	610												
7	DOP 50	4" x 3"	3.7	5	1200	1000	810	620	450												
8	DOL 75	2½" x 2"	5.5	7.5					600	550	510	480	450	420	400	360	320	300	150		
9	DON 75	3" x 2½"	5.5	7.5					1000	880	710	600	460	350							
10	DOP 75	4" x 3"	5.5	7.5	1600	1400	1200	1000	800	600	350										
11	DOL 100	2½" x 2"	7.5	10					650	600	560	520	480	450	400	360	320	280	240		
12	DON 100	3" x 2½"	7.5	10					1250	1100	950	800	650	500	350						
13	DOP 100	4" x 3"	7.5	10				1600	1480	1320	1200	1100	980								

DOUBLE STAGE OPEN WELL SUBMERSIBLE PUMPS



Single Phase 3000 - RPM (Syn.), 50Hz, 220 - 240 V

Three Phase 3000 - RPM (Syn.) 50 Hz, 415 V

S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters														
			kW	HP	12	15	18	21	24	27	30	33	36	39	42	45	48		
					Discharge in LPM														
1	DMOD 1.5	1¼" x 1"	1.1	1.5		150	139	127	116	104	93	81	70						
2	DMOD 2.0	1¼" x 1"	1.5	2				155	143	131	120	109	97	86	73	61	50		
3	DMOD 2.0 H	1½" x 1½"	1.5	2	225	212	200	185	171	158	144	130	117	103	90				



4" SUBMERSIBLE PUMPS - PP



Structural Characteristics

- ◆ Internally mounted mechanical seal
- ◆ Stainless steel body, thrust ring, Shaft, Strainer and Coupling
- ◆ Noryl impeller
- ◆ Works with control panel
- ◆ Carbon Bush Bearing
- ◆ Low power Consumption

Performance

Single Phase 3000 RPM (Syn.) 50 Hz, 220 - 240 V, 0.5 HP to 3.0 HP

Three Phase 3000 RPM (Syn.) 50 Hz, 415 V, 0.5 HP to 4.0 HP

R1-Series

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM						
				kW	HP		60	50	40	30	20	10	0
1	4R1P 050-10	10	1¼"	0.37	0.5		7	21	31	44	53	61	65
2	4R1P 075-15	15	1¼"	0.55	0.75		10	32	47	65	79	92	98
3	4R1P 100-20	20	1¼"	0.75	1		13	42	62	87	105	122	130
4	4R1P 150-30	30	1¼"	1.1	1.5		19	60	89	125	151	176	187
5	4R1P 200-40	40	1¼"	1.5	2		24	79	117	164	197	229	244

R2-Series

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM						
				kW	HP		95	70	50	30	20	10	0
1	4R2P 050-6	6	1¼"	0.37	0.5		4	20	28	34	36	39	40
2	4R2P 075-9	9	1¼"	0.55	0.75		5	29	42	51	54	58	60
3	4R2P 100-12	12	1¼"	0.75	1		7	39	56	68	72	77	80
4	4R2P 150-18	18	1¼"	1.1	1.5		10	57	82	100	106	113	118
5	4R2P 200-24	24	1¼"	1.5	2		14	76	109	132	140	149	155
6	4R2P 300-36	36	1¼"	2.2	3		20	109	156	190	201	215	223

R3-Series

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM						
				kW	HP		100	70	50	30	20	10	0
1	4R3P 050-4	4	1¼"	0.37	0.5		3	16	21	26	28	29	30
2	4R3P 075-7	7	1¼"	0.55	0.75		5	27	37	45	48	51	52
3	4R3P 100-8	8	1¼"	0.75	1		5	31	42	52	55	58	60
4	4R3P 100-9	9	1¼"	0.75	1		6	35	47	58	62	65	67
5	4R3P 150-13	13	1¼"	1.1	1.5		9	51	68	84	90	94	97
6	4R3P 200-18	18	1¼"	1.5	2		12	69	93	115	123	129	133
7	4R3P 300-27	27	1¼"	2.2	3		17	102	137	169	180	189	195
8	4R3P 400-36	36	1¼"	3	4		22	130	175	216	231	242	250

M1-Series

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM						
				kW	HP		380	300	250	200	150	100	50
1	4M1P 100-3	3	2"	0.75	1		4	8	10	11	13	14	16
2	4M1P 150-4	4	2"	1.1	1.5		6	11	13	15	17	19	21
3	4M1P 200-5	5	2"	1.5	2		7	14	16	19	21	24	26
4	4M1P 300-7	7	2"	2.2	3		10	20	22	27	29	34	36
5	4M1P 300-9	9	2"	2.2	3		12	25	29	34	37	43	46
6	4M1P 400-10	10	2"	3	4		14	28	32	38	42	48	52

4" SUBMERSIBLE PUMPS - SS



Structural Characteristics

- ♦ Internally mounted mechanical seal
- ♦ Stainless Steel body, thrust ring, Shaft, Strainer and Coupling
- ♦ Stainless Steel impeller
- ♦ Works with control panel
- ♦ Carbon Bush Bearing
- ♦ Low power Consumption

Performance

Single Phase 3000 RPM (Syn.) 50 Hz, 220 - 240 V, 0.5 HP to 3.0 HP

Three Phase 3000 RPM (Syn.) 50 Hz, 415 V, 0.5 HP to 4.0 HP

R1-Series

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM						
				kW	HP		45	40	35	30	25	20	10
1	4R1S 100-18	18	1¼"	0.75	1	25	45	60	73	82	89	97	
2	4R1S 150-23	23	1¼"	1.1	1.5	32	57	77	93	105	113	124	
3	4R1S 200-32	32	1¼"	1.5	2	45	81	109	131	147	159	175	
4.	4R1S 300-48	48	1¼"	2.2	3	68	121	163	196	221	238	262	
5.	4R1S 400-55	55	1¼"	3	4	79	140	188	226	254	274	301	

R2-Series

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM						
				kW	HP		70	60	50	40	30	20	10
1	4R2S 100-12	12	1¼"	0.75	1	22	38	48	55	60	64	67	
2	4R2S 150-18	18	1¼"	1.1	1.5	34	58	73	83	90	96	101	
3	4R2S 200-25	25	1¼"	1.5	2	49	82	103	117	127	135	142	
4	4R2S 300-32	32	1¼"	2.2	3	62	104	131	149	161	172	180	
5	4R2S 400-40	40	1¼"	3	4	79	132	166	188	203	216	227	

R3-Series

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM						
				kW	HP		110	100	80	60	40	20	10
1	4R3S 100-8	8	1½"	0.75	1	14	20	31	36	40	43	45	
2	4R3S 150-12	12	1½"	1.1	1.5	23	32	47	56	61	66	69	
3	4R3S 200-17	17	1½"	1.5	2	32	46	67	79	87	94	98	
4	4R3S 300-24	24	1½"	2.2	3	47	76	97	114	124	134	140	
5	4R3S 400-32	32	1½"	3	4	62	88	128	151	165	178	186	

R4-Series

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM						
				kW	HP		180	160	140	100	60	40	20
1	4R4S 100-5	5	2"	0.75	1	7	12	16	19	22	24	25	
2	4R4S 150-7	7	2"	1.1	1.5	12	18	23	28	32	34	36	
3	4R4S 200-10	10	2"	1.5	2	18	27	34	42	47	50	53	
4	4R4S 300-14	14	2"	2.2	3	26	39	49	60	67	72	75	
5	4R4S 400-18	18	2"	3	4	34	51	63	76	87	92	97	

6" SUBMERSIBLE PUMPS - PP



Structural Characteristics

- ♦ Internally mounted mechanical seal
- ♦ Stainless steel body, thrust ring, Shaft, Strainer and Coupling
- ♦ Noryl impeller ♦ Carbon Bush Bearing
- ♦ Works with control panel ♦ Low power Consumption

Performance

Three Phase 3000 RPM (Syn.) 50 Hz, 415 V

R1-Series

S.No.	Product Name	Stages	Pipe Size	Power		Total Head in Meters	Discharge in LPM							
				kW	HP		33	37	100	133	167	200	233	267
1	6R1P 7.5 - 10	10	2½"	5.5	7.5		136	129	122	113	100	84	64	42
2	6R1P 10 - 14	14	2½"	7.5	10		190	181	171	158	141	118	90	59
3	6R1P 15 - 20	20	2½"	11	15		271	258	244	226	201	168	128	85
4	6R1P 20 - 26	26	2½"	15	20		354	338	319	295	263	220	168	112
5	6R1P 25 - 32	32	2½"	18.5	25		438	425	394	365	325	272	208	139

R2-Series

S.No.	Product Name	Stages	Pipe Size	Power		Total Head in Meters	Discharge in LPM							
				kW	HP		50	150	200	250	300	350	400	450
1	6R2P 7.5 - 7	7	2½"	5.5	7.5		94	86	80	71	61	48	34	80
2	6R2P 10 - 9	9	2½"	7.5	10		121	111	103	92	79	62	44	24
3	6R2P 15 - 13	13	2½"	11	15		175	161	149	133	114	91	65	35
4	6R2P 20 - 18	18	2½"	15	20		242	223	216	184	157	125	89	48
5	6R2P 25 - 22	22	2½"	18.5	25		298	274	254	226	194	154	110	60

R3-Series

S.No.	Product Name	Stages	Pipe Size	Power		Total Head in Meters	Discharge in LPM							
				kW	HP		83	167	250	333	417	500	583	667
1	6R3P 7.5 - 5	5	3"	5.5	7.5		64	60	55	49	41	31	19	6
2	6R3P 10 - 7	7	3"	7.5	10		91	85	78	70	58	44	28	10
3	6R3P 15 - 11	11	3"	11	15		144	135	124	110	92	70	45	16
4	6R3P 20 - 15	15	3"	15	20		206	183	169	150	125	96	61	21
5	6R3P 25 - 18	18	3"	18.5	25		237	221	204	181	151	116	75	27

R4-Series

S.No.	Product Name	Stages	Pipe Size	Power		Total Head in Meters	Discharge in LPM							
				kW	HP		100	300	500	600	700	800	900	1000
1	6R4P 10 - 5	5	3"	7.5	10		70	60	51	47	41	35	27	18
2	6R4P 15 - 7	7	3"	11	15		99	85	73	67	59	50	39	26
3	6R4P 20 - 9	9	3"	15	20		127	109	94	85	76	64	50	34
4	6R4P 25 - 11	11	3"	18.5	25		154	132	114	103	92	77	60	40

R5-Series

S.No.	Product Name	Stages	Pipe Size	Power		Total Head in Meters	Discharge in LPM							
				kW	HP		100	300	500	700	900	1000	1100	1200
1	6R5P 10 - 4	4	4"	7.5	10		55	49	43	35	26	20	13	5
2	6R5P 15 - 5	5	4"	11	15		69	61	54	45	33	25	17	7
3	6R5P 20 - 7	7	4"	15	20		97	86	76	63	46	36	24	10
4	6R5P 25 - 9	9	4"	18.5	25		123	110	97	80	59	45	30	13

6" SUBMERSIBLE PUMPS - SS



Structural Characteristics

- ♦ Internally mounted mechanical seal
- ♦ Stainless steel body, thrust ring, Shaft, Strainer and Coupling
- ♦ Stainless Steel Impeller
- ♦ Works with control panel
- ♦ Carbon Bush Bearing
- ♦ Low power Consumption

Performance

Three Phase 3000 RPM (Syn.) 50 Hz, 415 V

R1-Series

S.No.	Product Name	Stages	Pipe Size	Power		Total Head in Meters	Discharge in LPM							
				kW	HP		50	100	150	200	250	300	350	400
1	6R1S 7.5 - 9	9	2½"	5.5	7.5		90	87	82	75	66	55	42	27
2	6R1S 10 - 12	12	2½"	7.5	10		121	117	110	101	89	74	57	37
3	6R1S 15 - 20	20	2½"	11	15		201	194	183	167	147	123	94	61
4	6R1S 20 - 26	26	2½"	15	20		263	254	240	219	193	162	124	81
5	6R1S 25 - 30	30	2½"	18.5	25		304	294	277	254	224	187	144	94

R2-Series

S.No.	Product Name	Stages	Pipe Size	Power		Total Head in Meters	Discharge in LPM							
				kW	HP		50	150	250	350	450	550	650	700
1	6R2S 7.5 - 6	6	2½"	5.5	7.5		51	49	46	43	38	31	22	17
2	6R2S 10 - 8	8	2½"	7.5	10		84	80	76	70	62	51	37	29
3	6R2S 15 - 12	12	2½"	11	15		126	121	114	106	94	77	56	44
4	6R2S 20 - 16	16	2½"	15	20		167	161	152	141	125	102	73	57
5	6R2S 25 - 20	20	2½"	18.5	25		211	203	191	177	157	129	93	73

R3-Series

S.No.	Product Name	Stages	Pipe Size	Power		Total Head in Meters	Discharge in LPM							
				kW	HP		100	300	500	700	800	900	1000	1100
1	6R3S 10 - 5	5	3"	7.5	10		60	56	50	41	35	29	21	12
2	6R3S 15 - 7	7	3"	11	15		86	80	71	59	51	41	31	19
3	6R3S 20 - 10	10	3"	15	20		123	114	101	84	73	59	44	27
4	6R3S 25 - 12	12	3"	18.5	25		146	136	121	100	86	70	52	31

R4-Series

S.No.	Product Name	Stages	Pipe Size	Power		Total Head in Meters	Discharge in LPM							
				kW	HP		100	300	500	700	900	1100	1200	1300
1	6R4S 10 - 4	4	3"	7.5	10		52	49	43	35	28	21	16	9
2	6R4S 15 - 6	6	3"	11	15		79	74	65	54	44	33	25	15
3	6R4S 20 - 8	8	3"	15	20		105	99	87	72	59	44	33	20
4	6R4S 25 - 10	10	3"	18.5	25		132	125	110	91	74	56	42	26

6" VERTICAL OPENWELL SUBMERSIBLE PUMPS



WINSUB

Structural Characteristics

- ◆ Bronze Impeller
- ◆ Carbon Radial & Thrust bearing
- ◆ Stainless steel body, thrust ring, Shaft, Strainer and Coupling
- ◆ All cast iron components are 'CED' (Cathodic Electrolytic Deposition) coated
- ◆ Works with control panel
- ◆ Low power consumption

Performance

Single Phase 3000 RPM (Syn.) 50 Hz, 220 - 240 V, 1.0 HP to 2.0 HP

Three Phase 3000 RPM (Syn.) 50 Hz, 415 V, 1.0 HP to 4.0 HP

R1-Series

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM									
				kW	HP		15	20	30	40	50	60	70	80	90	100
1	WS 1.0 R1-4	4	1½"	0.75	1	Total Head in Meters	35	34	33	32	31	29	28	27	26	25
2	WS 1.0 R1-5	5	1½"	0.75	1		40	39	37	35	33	31	29	27	25	23
3	WS 1.5 R1-6	6	1½"	1.1	1.5		52	51	48	46	43	40	38	35	33	30
4	WS 2.0 R1-8*	8	1½", 2"	1.5	2		70	68	65	61	58	54	51	47	44	40
5	WS 2.0 R1-10	10	1½"	1.5	2		78	76	72	68	64	60	56	52	49	45
6	WS 2.0 R1-12	12	1½"	1.5	2		82	80	76	72	68	64	61	57	53	49
7	WS 3.0 R1-12	12	1½"	2.2	3		104	102	96	91	86	81	75	70	65	60

R2-Series

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM									
				kW	HP		40	50	60	70	80	90	100	110	120	
1	WS 1.0 R2-3	3	1½"	0.75	1	Total Head in Meters	25	24	22	21	20	19	17.5	16	15	
2	WS 1.5 R2-4	4	1½"	1.1	1.5		34	32	30	28	27	25	23	22	20	
3	WS 2.0 R2-5*	5	1½", 2"	1.5	2		38	36	34	32	30	28	26	24	23	
4	WS 2.0 R2-6*	6	1½", 2"	1.5	2		51	48	45	43	40	38	35	32	30	
5	WS 3.0 R2-9	9	1½", 2½"	2.2	3		76	72	68	64	61	56	53	49	45	
6	WS 4.0 R2-12	12	1½"	3	4		101	96	91	86	80	75	70	65	60	

R3-Series

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM									
				kW	HP		40	60	80	100	120	140	160	180	200	
1	WS 1.0 R3-2	2	2"	0.75	1	Total Head in Meters	18	17	16	15	14	13	12	11	10	
2	WS 1.5 R3-3	3	2"	1.1	1.5		27	25	24	22	21	20	18	17	15	
3	WS 2.0 R3-4*	4	2"	1.5	2		36	34	32	30	28	26	24	22	20	
4	WS 3.0 R3-5	5	2", 2½"	2.2	3		40	38	36	33	31	29	27	25	23	
5	WS 3.0 R3-6	6	2", 2½"	2.2	3		53	50	47	44	41	39	36	33	30	

R4-Series

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM				
				kW	HP		100	200	300	400	470
1	WS 1.0 R4-1	1	2½"	0.75	1	Total Head in Meters	9	7	5	3	2
2	WS 2.0 R4-2*	2	2½"	1.5	2		18	14	10	7	4
3	WS 3.0 R4-3	3	2½"	2.2	3		28	22	16	10	6
4	WS 4.0 R4-4	4	2½"	3	4		37	29	21	13	8

* Available in W Model

8" VERTICAL OPENWELL SUBMERSIBLE PUMPS



Structural Characteristics

- ♦ Cast Iron Impeller
- ♦ Carbon Radial & Thrust bearing
- ♦ Cast Iron Pump casing and adopter
- ♦ Stainless steel body, thrust ring, Shaft, Strainer and Coupling
- ♦ All cast iron components are 'CED' (Cathodic Electrolytic Deposition) coated
- ♦ Works with control panel
- ♦ Low power consumption

Performance

Three Phase 3000 RPM (Syn.) 50 Hz, 415 V

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM					
				kW	HP		50	100	150	200	250	300
1	8 VO 3.0-2	2	1½"	2.2	3		52	46	39	33	26	20
2	8 VO 5.0-3	3	1½"	3.7	5		75	66	57	48	39	30



12" VERTICAL OPENWELL SUBMERSIBLE PUMPS



Structural Characteristics

- ♦ Cast Iron Impeller
- ♦ Carbon Radial bearing
- ♦ Carbon Thrust bearing
- ♦ Stainless steel body & Shaft
- ♦ Cast Iron Pump casing and adopter
- ♦ Stainless steel thrust ring, Strainer and Coupling
- ♦ All cast iron components are 'CED' (Cathodic Electrolytic Deposition) coated
- ♦ Works with control panel
- ♦ Low power consumption

Performance

Three Phase 3000 RPM (Syn.) 50 Hz, 415 V

R1-Series

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM				
				kW	HP		300	400	500	600	700
1	12 VO R1 7.5-3	3	2½"	5.5	7.5		52	43	33	24	15
2	12 VO R1 10-4	4	2½"	7.5	10		70	57	45	32	20
3	12 VO R1 12.5-5	5	2½"	9.3	12.5		85	70	55	40	25
4	12 VO R1 15-6	6	2½"	11	15		98	82	66	50	34
5	12 VO R1 20-8	8	2½"	15	20		124	104	84	64	43
6	12 VO R1 25-10	10	2½"	18.5	25		147	124	100	76	51
7	12 VO R1 30-12	12	2½"	22	30		168	140	112	85	58



R2-Series

S.No.	Product Name	Stages	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM								
				kW	HP		70	150	300	450	600	750	900	1050	1200
1	12 VO R2 10-2	2	3"	7.5	10		50	48	44	40	36	32	28	24	20
2	12 VO R2 15-3	3	3"	11	15		72	69	63	57	51	46	40	34	28
3	12 VO R2 20-4	4	3"	15	20		91	87	80	72	65	57	50	42	35
4	12 VO R2 25-6	5	3"	18.5	25		114	108	100	90	80	71	61	52	42
5	12 VO R2 30-6	6	3"	22	30		130	124	114	103	92	82	72	60	50

VERTICAL MULTISTAGE PUMPS

Structural Characteristics

- ◆ Impeller - SS 304, ◆ Diffuser - SS 304 ◆ Shaft - SS 410
- ◆ Clean water not containing abrasive particles
- ◆ Liquid temperature -15° C to 100° C
- ◆ Ambient temperature up to 50° C



Performance

Three Phase, 3000 - RPM (Syn.) 50 Hz, 415 V

S.No.	Product Name	HP	Stage	Pipe Size	Total Head in Meters	Discharge (m ³ /h)								
						0	1	1.2	1.6	2	2.4	2.8	3.2	3.5
1.	DVMS 2/0.5-3	0.50	3	1" x 1"		30	27	26	24	22	20	17	15	12
2.	DVMS 2/0.75-5	0.75	5	1" x 1"		48	45	43	40	37	33	29	25	20
3.	DVMS 2/1.0-7	1.0	7	1" x 1"		65	62	60	57	52	46	41	34	28
4.	DVMS 2/1.5-11	1.50	11	1" x 1"		102	98	95	89	82	73	64	54	44
5.	DVMS 2/2.0-15	2.0	15	1" x 1"		136	132	128	120	111	99	86	73	59
6.	DVMS 2/3.0-22	3.0	22	1" x 1"		200	192	186	174	161	143	125	106	86
7.	DVMS 2/4.0-26	4.00	26	1" x 1"		235	227	220	206	190	169	148	125	102

S.No.	Product Name	HP	Stage	Pipe Size	Total Head in Meters	Discharge (m ³ /h)								
						0	1.5	2	3	4	5	6	7	8
1.	DVMS 4/0.5-2	0.50	2	1¼" x 1¼"		21	18	17	17	15	13	12	9	6
2.	DVMS 4/0.75-3	0.75	3	1¼" x 1¼"		30	27	26	25	23	20	18	13	9
3.	DVMS 4/1.0-4	1.0	4	1¼" x 1¼"		39	36	35	33	31	26	23	17	12
4.	DVMS 4/1.5-6	1.50	6	1¼" x 1¼"		57	54	52	50	46	39	35	26	18
5.	DVMS 4/2.0-8	2.0	8	1¼" x 1¼"		75	71	69	66	61	51	46	34	24
6.	DVMS 4/3.0-12	3.0	12	1¼" x 1¼"		111	106	102	98	90	76	69	51	35
7.	DVMS 4/4.0-16	4.0	16	1¼" x 1¼"		145	141	136	131	120	102	91	68	47
8.	DVMS 4/5.0-22	5.0	22	1¼" x 1¼"		197	192	185	178	164	139	124	92	64

S.No.	Product Name	HP	Stage	Pipe Size	Total Head in Meters	Discharge (m ³ /h)								
						0	5	6	7	8	9	10	11	12
1.	DVMS 8/1.0-2	1.0	2	1½" x 1½"		23	20	19	18	17	16	15	14	12
2.	DVMS 8/1.5-3	1.50	3	1½" x 1½"		34	30	29	28	26	25	23	21	19
3.	DVMS 8/2.0-4	2.0	4	1½" x 1½"		44	40	39	37	35	33	31	28	25
4.	DVMS 8/3.0-6	3.0	6	1½" x 1½"		64	60	58	55	52	49	46	42	37
5.	DVMS 8/4.0-8	4.0	8	1½" x 1½"		82	79	77	73	69	65	61	55	49
6.	DVMS 8/5.0-12	5.0	12	1½" x 1½"		121	118	114	108	102	96	90	82	73
7.	DVMS 8/7.5-16	7.5	16	1½" x 1½"		161	157	152	144	136	128	120	110	97
8.	DVMS 8/10.0-20	10.0	20	1½" x 1½"		198	194	188	179	168	158	149	136	120

S.No.	Product Name	HP	Stage	Pipe Size	Total Head in Meters	Discharge (m ³ /h)								
						0	8	10	12	14	16	18	20	22
1.	DVMS 16/3.0-2	3.0	2	2" x 2"		31	27	26	25	24	23	21	19	17
2.	DVMS 16/4.0-3	4.0	3	2" x 2"		45	41	40	38	37	34	31	28	25
3.	DVMS 16/5.0-4	5.0	4	2" x 2"		58	54	53	51	49	45	41	37	33
4.	DVMS 16/7.5-6	7.5	6	2" x 2"		85	81	79	76	73	68	62	56	50
5.	DVMS 16/10.0-8	10.0	8	2" x 2"		111	107	104	100	96	90	82	74	66
6.	DVMS 16/15.0-12	15.0	12	2" x 2"		163	159	155	149	143	133	122	110	98
7.	DVMS 16/20.0-16	20.0	16	2" x 2"		217	212	206	199	191	178	162	146	131

S.No.	Product Name	HP	Stage	Pipe Size	Total Head in Meters	Discharge (m ³ /h)								
						0	12	16	20	24	28	32	36	40
1.	DVMS 32/5.0-2	5	2	2½"x2½"	Total Head in Meters	40	38	36	34	32	29	27	23	18
2.	DVMS 32/7.5-3	7.5	3	2½"x2½"		61	57	54	51	48	44	40	35	27
3.	DVMS 32/10-4	10	4	2½"x2½"		79	76	72	69	65	59	53	47	37
4.	DVMS 32/15-6	15	6	2½"x2½"		118	114	108	104	97	90	81	72	57
5.	DVMS 32/20-8	20	8	2½"x2½"		156	150	144	138	130	120	109	97	77
6.	DVMS 32/25-10	25	10	2½"x2½"		194	189	182	173	164	152	138	122	98
7.	DVMS 32/30-12	30	12	2½"x2½"		230	225	218	208	196	184	167	147	120
8.	DVMS 32/40-14	40	14	2½"x2½"		270	263	255	242	229	216	196	172	142

HORIZONTAL MULTISTAGE PUMPS

Structural Characteristics

- ♦ Impeller & Diffuser – Noryl
- ♦ Diffuser - SS 304, ♦ Impeller - SS 304 ♦ Shaft - SS 410
- ♦ Clean water not containing abrasive particles
- ♦ Liquid temperature -15° C to 100° C
- ♦ Ambient temperature up to 50° C



Performance

Single Phase 3000 RPM (Syn.) 50 Hz, 220 - 240 V, Capacitor start and run motor

Three Phase 3000 - RPM (Syn.) 50 Hz, 415 V

S.No.	Product Name	HP	Stage	Pipe Size	Total Head in Meters	Discharge (m ³ /h)							
						0	0.7	1.2	1.8	2.4	3	3.6	4.2
1.	DBP 0.50	0.50	3	1" x 1"	Total Head in Meters	30	28	25	20	16	12	8	4
2.	DBP 0.75	0.75	4	1" x 1"		39	37	33	27	22	17	11	6
3.	DBP 1.0	1.00	5	1" x 1"		50	47	41	34	28	21	14	7

S.No.	Product Name	HP	Stage	Pipe Size	Total Head in Meters	Discharge (m ³ /h)							
						0	0.5	1	1.5	2	2.5	3	3.5
1.	DBPS 2/0.50-3	0.50	3	1" x 1"	Total Head in Meters	29	26	25	23	20	19	16	12
2.	DBPS 2/0.75-5	0.75	5	1" x 1"		48	44	41	38	34	31	26	20
3.	DBPS 2/1.0-6	1.00	6	1" x 1"		56	52	48	45	40	36	31	24

S.No.	Product Name	HP	Stage	Pipe Size	Total Head in Meters	Discharge (m ³ /h)							
						0	1	2	3	4	5	6	7
1.	DBPS 4/0.50-2	0.50	2	1" x 1¼"	Total Head in Meters	19	17.5	16.5	15.5	14.5	12.5	9.5	6.5
2.	DBPS 4/0.75-3	0.75	3	1" x 1¼"		29	26	25	23	22	19	14	10
3.	DBPS 4/1.00-4	1.00	4	1" x 1¼"		38	35	33	31	29	25	19	13
4.	DBPS 4/1.5-6	1.5	6	1" x 1¼"		57	53	50	47	44	38	29	20

S.No.	Product Name	HP	Stage	Pipe Size	Total Head in Meters	Discharge (m ³ /h)							
						0	5	6	7	8	9	10	11
1.	DBPS 8/1.0-2	1.00	2	2" x 2"	Total Head in Meters	21	19	18	17	16	15	13	11
2.	DBPS 8/1.5-3	1.50	3	2" x 2"		32	28	27	26	24	22	19	16
3.	DBPS 8/2.0-4	2.00	4	2" x 2"		42	37	36	34	32	29	25	21
4.	DBPS 8/3.0-5	3.00	5	2" x 2"		52	46	44	42	39	36	31	26

S.No.	Product Name	HP	Stage	Pipe Size	Total Head in Meters	Discharge (m ³ /h)							
						0	8	10	12	16	18	20	22
1.	DBPS 16/3.0-2	3.0	2	2" x 2"	Total Head in Meters	27	25	24	23	21	19	17	15
2.	DBPS 16/4.0-3	4.0	3	2" x 2"		41	38	37	35	31	29	26	22

HYDRO PNEUMATIC SYSTEMS & PRESSURE BOOSTER SETS



Apartments



Hotels



Bungalows



Industries



Applications

- ◆ Residential Water Supply & Handling
- ◆ Lifestyle Residences & Farm Houses
- ◆ Home Pressure Boosting
- ◆ Hydro Pneumatic Systems
- ◆ Commercial Buildings
- ◆ Apartments & Hotels
- ◆ RO Plants
- ◆ Industrial Applications & More

Inbuilt Features

- ◆ Inverter (VFD - Variable Frequency Drive)
- ◆ Pressure Sensor & Flow Sensor
- ◆ Dry Run & Over Heat Protection
- ◆ High & Low Voltage Protection
- ◆ Phase Failure Protection
- ◆ Anti Frost Protection

Advantages

- ◆ Flow through architecture
- ◆ Individual pumps with individual VFD, so very high power saving
- ◆ Communicates with each other and maintain the required pressure
- ◆ Maintains constant pressure
- ◆ Soft Start / Stop - Increases pump and motor life by more than 30%
- ◆ No water hammering
- ◆ Upto 60% power saving
- ◆ BMS compatibility and Very low noise
- ◆ Daily unlock (Automatically runs for few cycles if not used for 24 hrs.)
- ◆ Compact & Easy to install

SLUDGE & SEWAGE PUMPS



Structural Characteristics

- Anti-corrosive and rust proof materials
- Wear resistant shaft and impeller
- Excellent cooling of the motor that enables the pump to operate even when it is partially submerged
- Automatic version with start/stop floats switch and manual version
- Supplied with power plug and self - seal fitting.



Performance

Single Phase 3000 RPM (Syn.) 50 Hz, 220 - 240 V, Capacitor start and run motor

S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters												Max. Solid Size (mm)	Application	
			kW	HP	1	2	3	4	5	6	7	8	9	10	11	12			
					Discharge in LPM														
1.	DSP 30 - 0.50	1¼"	0.37	0.50	170	150	135	105	80	50								30	Light
2.	DSP 30 - 0.75	1¼"	0.55	0.75	220	200	190	165	140	120	90	45						30	Light
3.	DSP 38 - 1.00	1½"	0.75	1.00	300	285	270	240	220	190	160	130	90	50				38	Heavy

Performance

Single Phase 3000 RPM (Syn.) 50 Hz, 220 - 240 V, Capacitor start and run motor

Three Phase 3000 - RPM (Syn.) 50 Hz, 415 V

S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters												Max. Solid Size (mm)	Application	
			kW	HP	6	9	12	15	18	21	24	27	30	33	36	39			
					Discharge in LPM														
1.	DSP 40 - 1.50	2"	1.10	1.50	300	225	150	100										40	Heavy
2.	DSP 40 - 2.00	2½"	1.50	2.00		500	400	300	75									40	Heavy
3.	DSP 40 - 3.00	2½"	2.20	3.00	500	450	375	325	250	200	50							40	Heavy
4.	DSP 50 - 5.00	3"	3.70	5.00	650	600	550	500	450	300	100							50	Heavy
5.	DSP 50 - 7.50	3"	5.50	7.50	700	675	650	625	600	575	550	500	400	300	200			50	Heavy
6.	DSP 50 - 10.00	4"	7.50	10.00	2000	1800	1600	1400	1200	800	400							50	Heavy

SLUDGE & SEWAGE PUMPS - CUTTER MODEL



Performance

Three Phase 3000 - RPM (Syn.) 50 Hz, 415 V

S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters								Max. Solid Size (mm)	Application					
			kW	HP	2	4	8	12	16	20	24	28							
					Discharge in LPM														
1.	DSPC 40 - 1.0	2"	0.75	1.00	420	400	220											40	Heavy
2.	DSPC 40 - 1.5	2"	1.10	1.50	480	440	240											40	Heavy
3.	DSPC 40 - 2.0	2½"	1.50	2.00	660	600	440	200										40	Heavy
4.	DSPC 45 - 3.0	2½"	2.20	3.00	900	820	640	400	160									45	Heavy
5.	DSPC 50 - 5.0	3"	3.70	5.00	1400	1360	1200	920	640	360								50	Heavy
6.	DSPC 50 - 7.5	4"	5.50	7.50	1600	1560	1450	1200	960	640	280							50	Heavy
7.	DSPC 50 - 10.0	4"	7.50	10.00	1980	1900	1750	1520	1320	1040	760	400						50	Heavy



SWIMMING POOL PUMPS

Structural Characteristics

- ♦ Fully moulded plastic pump portion
- ♦ Built in Filter - Removable ♦ Drain stopper
- ♦ Impeller & Diffuser - Plastic ♦ Pump Shaft - SS 416
- ♦ IP 55 Protection ♦ Mechanical Seal - Ceramic Vs. Graphite



Performance

Single Phase 3000 RPM (Syn.) 50 Hz, 220 - 240 V, Capacitor start and run motor

S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM								
			kW	HP		2	4	8	12	16	20	24	28	
1	DPP 05	1½" x 1½"	0.37	0.5		9	8	4						
2	DPP 10	2½" x 2½"	0.75	1.0		10	9	7	5					
3	DPP 15	2½" x 2½"	1.10	1.5		11	10	9	8	6	4			
4	DPP 20	2½" x 2½"	1.50	2.0		12.8	12.6	12.2	12	11.5	10	7.5	4	

PIT PUMPS

Structural Characteristics

- ♦ Anti-corrosive and rust-proof materials
- ♦ Handle solid particles up to 5 mm
- ♦ Integrated float switch with low suction capability: 2 - 3 mm
- ♦ Very low priming and starting level of the pump: 10 - 15 mm
- ♦ Motor with Thermal Overload Protection
- ♦ Excellent cooling of the motor ♦ Fitted with power cable plug



Low suction: 2-3 mm

Performance

Single Phase 3000 RPM (Syn.) 50 Hz, 220 - 240 V, Capacitor start and run motor

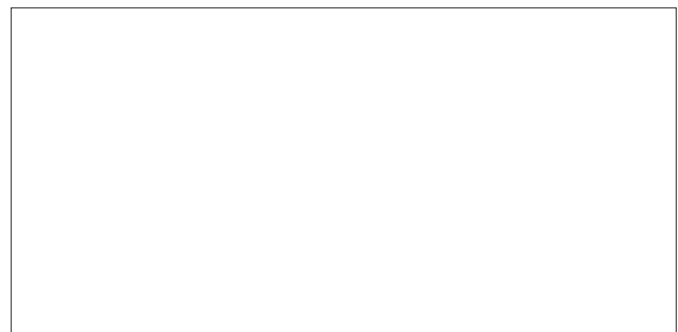
S.No.	Product Name	Pipe Size (inches) BSP	Power		Total Head in Meters	Discharge in LPM							
			kW	HP		1	2	3	4	5	6	7	8
1	DLS 05	1¼"	0.37	0.5		185	170	155	140	120	100	70	40

Manufactured by



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