

VIRA DEWATERING DRAINAGE SUBMERSIBLE PUMP



Series: "VD"

VIRA Dewatering Drainage Electric Submersible Pumps are designed to reach places where other pumps can't go. They are light in weight which makes handling and installation simple. Pump and Motor are fitted on single shaft. Vertical construction motor above and pump below ensure to remove maximum dirty water from the pit. Low Maintenance cost and easy to repair with better life.

TECHNICAL SPECIFICATION

Motor	: Two Pole Continuous Duty Squirrel Cage Induction Motor
Speed	: 2900 RPM
Connection	: DOL (STAR/DELTA Optional)
Range	: 1.0 HP. to 50.0 H.P.
Temp.	: Ambient (Also available for higher temp on request)
Voltage	: 220 V, 1 Ph, 50 Hz. (1.0 H.P. & 2.0 H.P.) 415 V, 3 Ph, 50 Hz. (1.0 H.P. & 2.0 H.P.)
Insulation	: Class 'F'
Protection	: IP-68

MATERIAL OF CONSTRUCTION

Motor Body	: S.S. 202
Cooling Jacket	: S.S. 202
Bypass	: C.I. IS 210 FG 260
Shaft	: S.S. 410
Impeller	: C.I. IS 210 FG 260
Strainer	: S.S.
Fasteners	: S.S.
Cable	: PVC Insulated Double Sheated Copper Conductor: Round Flexible Cable
Mechanical seal	: TC Vs. TC

APPLICATION

- Building & Construction
- Quarries
- Underground Utilities
- Industries
- Dry Dock / Off Shore
- Mining
- Tunneling
- Power / Steel Plant

AVAILABLE ON REQUEST

- Optional MOC of S.S., Aluminium, Bronze
- Float Arrangement in Single Phase Pumps

PERFORMANCE TABLE (Speed: 2900 RPM)

Model	H.P.	Del. Size	Discharge in LPM	Head in Meter											Shut Off		
				2	4	6	8	10	12	14	16	18	20	24		28	32
VD 121	1.0	50		400	352	304	240	144									12
VD 121.5	1.5	50		470	430	385	335	270	180	70							15
VD 122	2.0	50		550	525	485	437	380	312	225	125						18
VD 153	3.0	75		950	880	800	700	600	490	370	260	120					20
VD 123	3.0	50				600	540	485	420	350	280	195	105				22
VD 205	5.0	100			2200	2000	1760	1400	920	200							14.5
VD 155	5.0	75			1100	1070	1050	1000	930	820	675	590	240				22
VD 125	5.0	50			750	720	690	650	615	580	525	480	420	270	105		30
VD 207.5	7.5	100			2400	2250	2100	1800	1400	800							16
VD 157.5	7.5	75			1375	1305	1250	1180	1125	1045	966	875	750	500	170		30
VD 3010	10.0	150		4200	3900	3600	3200	2700	2000	1200							16
VD 3012.5	12.5	150			4500	4200	3850	3400	2800	2100	1250						18
VD 3015	15.0	150			4500	4250	3950	3650	3350	3000	2600	2200	1800	950			28
VD 3020	20.0	150			5000	4750	4500	4250	4000	3750	3400	3100	2750	2000	1200	400	34
VD 3525	25.0	200				6750	6300	5925	5300	4500	3750	2550	1500				21.5
VD 3530	30.0	200					7125	6750	6300	5700	5150	4125	3000	675			25
VD 3535	35.0	200					7650	7275	6900	6525	6000	5400	4725	3000			28

NOTE: Performance May Vary Depending Upon Voltage, Frequency and Field Conditions



PERFORMANCE TABLE (Speed: 2900 RPM)

Model	H.P.	Del. Size	Discharge in LPM	Head in Meter												Shut Off	
				4	8	12	12	16	20	24	28	32	32				
VD 1510	10.0	75		2400	2200	2000	1750	1400	1000	500							32
VD 2010	10.0	100		2400	2200	2000	1750	1400	1000	500							32
VD 2012.5	12.5	100		2500	2350	2150	1950	1700	1400	1000	550						36
VD 2015	15.0	100		2800	2600	2400	2175	1950	1700	1400	1100	750	350				43
VD 2020	20.0	100			2640	2550	2400	2220	2040	1860	1620	1380	1080	660	180		52
VD 2525	25.0	150				3800	3500	3150	2800	2400	2000	1600	1100	450			48
VD 2530	30.0	150				4000	3800	3500	3200	2800	2500	2100	1700	1100	500		54
VD 2535	35.0	150				4400	4200	3900	3650	3300	3000	2600	2200	1650	1050	550	60

Model	H.P.	Del. Size	Dis. in LPM	Head in Meter												Shut Off	
				5	10	15	20	25	30	35	40	45	50	55	60		65
VD 3540	40.0	150		7100	6350	5550	4550	3350	1775								35
VD 3550	50.0	150		8000	7350	6350	5650	4700	3650	2335	1335						45
VD 3040	40.0	150		4200	4000	3770	3550	3310	3000	2640	2300	1850	1350	600			60
VD 3050	50.0	150			4500	4250	4100	3840	3625	3350	3050	2640	2350	1890	1400	700	70

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