



Accreditation by RvA  
MGMT.SYS  
RvA C 449

ISO 9001 : 2000



**VIRAJ**  
PUMPS



# **DEWATERING SUBMERSIBLE PUMP EJ SERIES**

*If there is liquid, There is "Viraj"*



# "VIRAJ" Dewatering Submersible Pump EJ Series

"VIRAJ" Make Portable Dewatering Submersible Pump Design in single stage centrifugal closed coupled vertical ( mono-block type) construction. This series are available with variable design of impeller as per customer's application . And motor design in pressure resistance design with internal sealed , double mechanical shaft seal, as well as separate sealing Chamber. The Sealing Chamber is filled with oil . Motor sealing at the shaft double wear resistance mechanical shaft seal independent of direction on rotation entirely made of Tungsten or Silicon Carbide as close unit, Both seal cooled and lubricated by oil. The motor is equipped with two maintenance free ball bearing. The upper and lower bearing are filled with high quality grase.The motor is suitable for continuous operation ( S-1) under full load in immersed and completely emerged condition. This series design with jacketed type with top discharge and bottom suction .

SPECIFICATION	0.75 HP	1.0 HP	1.5 HP	2.0 HP	3.0 HP
HP/Kw Range	0.75/0.55	1.0/0.75	1.5/1.1	2.0/1.5	3.0/2.2
Max. Flow Range in M <sup>3</sup> /Hr.	30	35	45	50	84
Max. Shut off Head - Mtr.	12.5	14	15.5	20	22
Discharge Size in mm	50	50	50/65/75	50/65/75	50/65/75
Solid Handling Size max.	8-10 MM	10 MM	10 MM	10 MM	10 MM
Type of Impeller	FREE FLOW	FREE-FLOW	FREE-FLOW	FREE-FLOW	FREE-FLOW
Max. Temp. of Pumped Fluid	104°F/40° C	104°F/40° C	104°F/40° C	104°F/40° C	104°F/40° C
Max. Start/ Stop per Hour	15	15	15	15	15
Max. Submergence	10 m	10 m	10 m	10 m	10 m
Pump Weight with C.I.	25	27	27	30	35
Construction Approx. Kgs.					
<b>Motor/ Squirrel cage Motor</b>					
Type of Motor- Dry type	"F"Class Higher Grad	"F"Class Higher Grad	"F" Class Higher Grad	"F" Class Higher Grad	"F" Class Higher Grad
Type of Rotor	Aluminum Die cast	Aluminum Die cast	Aluminum Die cast	Aluminum Die cast	Aluminum Die cast
RPM	2850	2850	2850	2850	2850
Bearing	Ball/Angular	Ball/Angular	Ball/Angular	Ball/Angular	Ball/Angular
Duty	S-1	S-1	S-1	S-1	S-1
Power Supply - 230V/ 415V ±6%	1/3 Ph- 50 Hz	1/3 Ph- 50 Hz	1/3 Ph- 50 Hz	1/3 Ph- 50 Hz	3 Ph- 50 Hz
Thermal Protection *	Yes	Yes	Yes	Yes	Yes
Cable Length	10 mt	10 mt	10 mt	10 mt	10 mt
Tandem Shaft Seal	Yes	Yes	Yes	Yes	Yes

\* CONTROLS REQUIRED ( OPTIONAL ITEM)

MATERIALS OF CONSTRUCTION	APPLICATION	ACCESSORIES
Top Cover, Base, Brg. Hsg. Cast Iron /Stainless Steel/Aluminum	* Construction Site	* Control Panel , Float switch
Stator / Outer Jacket STAOR - C.I. / OURTER JACKET - S.S.	* Trenches	* Hose pipe
Impeller Cast Iron /Stainless Steel/CF8M	* Mines raw water	* Additional accessories also available
Shaft S.S.- 400 Series	* Power Station	<b>OPTIONAL DESIGN FETURES</b>
Hard Ware Stainless Steel	* Tunnels	* Impeller Trim
Mech. Seal	* Flooded Cellar	* Additional Cable length
Face Upper Tungsten Carbide/ Tungsten Carbide	* Rain Water	* Change in Material of construction
Face Lower Carbon / Stainless Steel	* Open sumps/ Ponds	* Optional Hydraulic Design
Rubber Part Nitrile Elstomers		
Spring Stainless Steel		
Surface Treatment Primer with Epoxy or Air Dry Enamel		

**Designation of Product**

6	D	1	EJ	3
↑	↑	↑	↑	↑

DISCHARGE CONNECTION  
Multiply figure By 10 (6 x10 = 60 (65 mm /2.5"))

PRODUCT CODE (D= DEWATERING)

RPM  
( 1= 2900 RPM )

SERIES IDENTIFICATION

RATING OF PRODUCT in H.P

An ISO 9001 : 2000 Company



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