



**BR**  
**INDUSTRIES**  
**EMP**  
**PUMPS**



**BR-ROTOR**  
**PUMPS**



# BR INDUSTRIES

**MOSE EFFICIENT PUMPS IN INDIA**

We are a leading manufacturer of Self Priming Pump, Shallow Well Jet Pump, Centrifugal Monoblock Pump, Openwell Submersible Pump, Borewell Submersible Pump, 1440 & 2880 RPM Single Phase induction Motor.

We are producing **"WORLD CLASS PUMPS"** by cost optimization to the customers at an affordable rate with the world class quality. Our vision is to be a world class provider to our customers in OEM and our own Brand **"EMP PUMPS"**, **"BR-ROTOR PUMPS"** & **BR PUMPS**.





### Centrifugal Regenerative Self Priming Pumps

Our Self priming MINI Monoblock pump sets are power - driven by a totally enclosed fan cooled AC induction two pole motor, suitable for continuous duty. Motor stator is made of low watt loss silicon laminations assembled under pressure and rigidly locked in the frame. The windings are of high - grade enameled copper wire and are varnish impregnated. High performance, noise free operation and low temperature rise thereby increasing the life cycle of the motor. Pumps volute chamber and impellers are designed to give the best possible hydraulic efficiency and suction lift characteristics. High quality aluminum motor body. **TOP Fitted & Double Sealed Ball Bearing.** Dynamically Balanced Rotating Parts. Powder coated multi-color stator body. Pump set are available with **Extension shaft & CI body** for multipurpose application.

#### SPECIFICATION

High Suction lift	:	Upto 8 mt.	Discharge Capacity	:	Upto 4500 LPH
Head	:	Upto 62mt.	HP	:	0.5 to 1.5HP
Power Rating	:	0.37- 1.1kw	Voltage	:	140 to 240 volts (Single Phase)
Speed	:	2880 RPM	Type of duty	:	S1 (Continuous)
Class of Insulation	:	B			
Application	:	House water system, RO application. Presser boosting. Etc.			

Approximate Performance Chart at 240V, 50Hz, 2880 rmp Single Phase

PUMP MODEL	HP	HEAD IN METER	6	9	12	15	18	21	24	30	35	40	45	50
ER25	0.5	DISCHARGE IN LPH	2300	2000	1750	1500	1000	800	0 (25mt)					
ER28	0.5		2900	2700	2500	2200	1800	1400	1100	0				
ER32NB	0.5		3200	3000	2700	2400	2300	2000	1850	1100	600			
ER40	0.5		3300	3100	2800	2500	2400	2100	2000	1500	900			
ER 42	1.0		3200	3000	2700	2400	2200	2000	2100	1800	1200	500		
ER 55	1.0		3400	3100	2900	2700	2600	2500	2300	2100	1850	1300		
ER 50	1.0		3500	3300	3000	2800	2750	2650	2400	2200	1900	1000		
ER 60	1.0		3600	3500	3300	3200	3000	2800	2600	2400	2250	2000	1450	
ER 70	1.5		4500	4300	4000	3800	3600	3400	3100	2800	2600	2300	2000	1000
ERV50 V-TYPE	0.5		2700	2500	2300	2100	1900	1850	1600	1000				
ERV60 V-TYPE	0.5		2800	2600	2400	2250	2100	1950	1800	1200	600			

### Centrifugal Jet Self priming Pumpsets



Our SW Series Centrifugal jet self-priming pumpsets pump casing and ejector unit are designed carefully to give the best possible hydraulic efficiency and good suction lift characteristics. These pump sets are powered by a totally enclosed fan cooled AC induction motor, suitable for continuous duty. Motor stator is made of low watt loss silicon laminations assembled under pressure and rigidly locked in the frame. The varnish impregnated windings made of enameled copper wire offer excellent resistance. Construction of motor frame and usage of quality materials result in high performance and low temperature raise, thereby increasing the life cycle of the motor. Specially designed for shallow well applications High operating efficiency resulting in lower power consumption.

#### SPECIFICATION

High Suction lift	:	Upto 10.5 mt.	Head	:	Upto 49 mt.
Discharge Capacity	:	Upto 3500 LPH	Power Rating	:	0.37- 0.75kw
HP	:	0.5 to 1.0HP	Speed	:	2880 RPM
Voltage	:	160 to 240 volts	Class of Insulation	:	B
Type of duty	:	S1 (Continuous)	Application	:	House water system,
Phase	:	Single			RO application. Presser boosting, Etc.

Approximate Performance Chart at 240V, 50Hz, 2880 rmp Single Phase

PUMP MODEL	HP	HEAD IN METER	6	12	18	24	30	40	47
ER SW50	0.5	DISCHARGE IN LPH	3400	3200	2700	2000	1200	0 (38mt)	
ER SW 60	0.5		3400	3200	2800	2200	1400	0	
ER SW 70E	1.0		3500	3300	2900	2300	1600	500	
ER SW 70	1.0		3600	3500	3000	2800	1200	500	
ER SW 80	1.0		3550	3400	3200	3000	1800	1000	300

## CENTRIFUGAL MONOBLOK PUMPSETS



Our Centrifugal Monoblock pump sets are maximum efficiency in wide range of operating head. Motor powered by a totally enclosed fan cooled AC induction two pole motor. Motor stator is made of low watt loss silicon steel laminations assembled under pressure and rigidly locked in the frame. The windings are of high - grade enameled copper wire offer excellent resistance and are varnish impregnated. Construction of motor frame and usage of quality materials result in high performance and low temperature rise thereby increasing the life cycle of the motor

### SPECIFICATION

Power Range	:	0.5HP to 3.0HP	Version	:	Single Phase, 160-240V &
Speed	:	2880 RPM			110-200V,50Hz AC Supply
Discharge	:	Up to 70000 LPH	Maximum Head	:	38mt.
Seal	:	Mechanical seal	Class of insulation	:	B/E
Maximum Suction Lift	:	6 mt.	Type of Duty	:	S1 (Continuous)
Pumpset Size	:	25x25,32x25,40 x 40, 50x50,65 x 50,80 x 80.	Application	:	Domestic, Irrigation, Farms, Industry Etc.

### Approximate Performance Chart at 240V, 50Hz, 2880 rpm Single Phase

PUMP MODEL	HP	PIPE SIZE	HEAD IN METER	6	8	10	14	16	18
ERM40 (CI) EX	0.5	25/25	DISCHARGE	8500	8000	7500	7000	5500	0
ERM45-(CI) EX	0.5	25/25		9000	8400	8000	7400	7000	4800
ERM50 EX	0.5	40/40		22000	20000	18500	10500		
ERM5050 EX	0.5	50/50		21500	19500	18000	11000		
ERM70 EX	1.0	50/50	IN	29000	26000	18200	0		
ERM75 EX	1.0	80/80		42000	34000	27000	0(12mt.)		
ERM85 (110-180V) LV	1.0	80/80		40000	32000	25000	0(12mt.)		
ERM1575	1.5	80/80		48000	41000	29000	0(13mt.)		
ERM1585 LV	1.5	80/80	LPH	48000	41000	29000	0(13mt.)		
ERM2080	2.0	65/50				39000	35000	28000	25500
ERM90	2.0	80/80		58000	54000	44000	31000	0(15mt.)	
ERM120 (120-200V) LV	2.0	80/80		58000	54000	44000	31000	0(15mt.)	
ERM130 (180-240V)	3.0	80/80		69000	65000	59500	44000	0	

## OPENWELL SUBMERSIBLE PUMPSETS



The Openwell submersible pumpsets are outstanding in performance with higher efficiency. These pumpsets are designed to function at low voltage supply and the components are made of selective materials under strict quality control and longer life , all the internal parts are protected with specially epoxy coating .

### SPECIFICATION

RANGE	:	0.5HP to 3.0HP	Supply	:	Single Phase 230v, 50Hz AC supply
Head	:	35mt.	Discharge	:	40000 LPH
Outlet	:	25mm,32mm,40mm,50mm	Speed	:	2880 RPM
Motor body	:	SS	Degree of protection	:	IP 58

### Approximate Performance Chart at 240V, 50Hz, 2880 rpm Single Phase

PUMP MODEL	HP	PIPE SIZE	HEAD IN METER	12	16	18	20	22	30	32	35
EROW 45	0.5	25/25	L P H	9800	7200	5800	3300	1300	0 (24mt.)		
EROW 55	1.0	32/25			9200		8100	7300	0 (28mt.)		
EROW 60	1.0	32/25			9500		8300	7500	1000	0	
EROW 70	1.0	32/25			10500		9000	8000	2000	1000	0 (34mt)
EROW 125	3.0	50/50					26000		12000	9000	0

## 3" & 4" BOREWELL SUBMERSIBLE PUMPSETS



### Features

- Motors are designed using enameled copper wire instead of PVC insulated copper wire. Due to this the design is highly efficient reducing power consumption & thereby reducing cost of operation.
- Outer casing of the motor is constructed completely with Stainless Steel, which reduces corrosion and gives a good overall appearance to the motor.
- The motors are compact and weigh substantially less, which facilitates transportation storage & Installation.
- The electric cable of the motor constitutes three - wire removable cable with waterproof connector. This facilitates the changing of the cable, if required, without dismantling the motor.
- The motor are permanently split capacitor motors, which do not require the starting capacitor. Due to this the cost of the control box reduces substantially, thereby reducing the cost of installation.
- The motor are designed for a wide voltage range of operation and are suitable for installation in areas experiencing wide voltage fluctuations.
- All rotating components and assemblies are dynamically balanced to ensure long bearing life and vibration free smooth operation. The Pumpsets are compact and slim and can be easily installed in narrow wells.



## SPECIFICATION

Power range	:	0.75 to 2.2kw (1.0hp to 3.0hp)	Stator	:	Vacuum Impregnated with class F insulation
Speed	:	2880 RPM	Rotor	:	Aluminum pressure die - cast
Version	:	Single Phase, 220V 50Hz, AC Supply	Winding	:	Enameled copper wire with class F insulation
Motor Body	:	Stainless Steel	Type of duty	:	S1 (Continuous)
NRV	:	Cast Iron	Cable Sealing Arrangement	:	Designed so that no borewell water with sand can enter the motor
Suction Housing	:	Cast Iron	Impeller & Bowl	:	High quality abrasion resistant Noryl & dynamically balanced
DOL	:	Cast Iron	Shaft	:	Stainless Steel of adequate diameter to ensure rigidity and ground to close tolerances
Voltage	:	180 to 240 (Single Phase)			
V3 (3") OD	:	74mm			
V4 (4") OD	:	98mm			
Outlate Size	:	32mm,40mm,50mm			

### 3" SUBMERSIBLE PUMP (WITH PANEL) OD-74MM

MODEL	HP	STAGE	OUTLATE	HEAD IN METER	12	18	24	27	30	32	45
V3-1/12/32-150	1.0	12	32MM	DISCHARGE	5400	4800	4200	3900	3600	3300	0 (48mt.)
V3-1/15/32-150	1.0	15	32MM	IN LPH	5800	4500	4300	4100	3800	3500	0 (60mt.)

### 4" SUBMERSIBLE PUMP (WITH PANEL) OD-98MM

MODEL	HP	STAGE	OUTLATE	HEAD IN METER	30	50	70	90	110
V4- 1/8-120/5	1.0	8	32MM	DISCHARGE  IN  LPH	96	0(48mt.)			
V4-1/10-120/4	1.0	10	32MM		84	40	0(58mt.)		
V4HH 1/12-150/2	1.0	12	32MM		54	42	28		0 (90mt.)
V4- 1/12-140/4	1.0	12	32MM		90	54	0(64mt)		
V4HH 1/12-160/3	1.0	12	32MM			72	55	0 (88mt.)	
V4 1/15-140/2	1.0	15	32MM			42	24	0 (80mt)	
V4HH 1/15-150/2	1.0	15	32MM			52	40	18	0 (105mt.)
V4 1.5/15-160/4	1.5	15	32MM			90	48	0 (80mt.)	
V4HH 2.0/18-300/5	2.0	18	40MM		95	85	70	63	0 (126mt.)
V4HH 2.0/20-300/4	2.0	20	40MM			96	84	70	0 (140mt.)
V4HH 2.0/25-300/2	2.0	25	32MM		62	54	47	40	0 (175mt)
V4HH 3.0/18-350/7	3.0	18	40MM			144	120	96	0 (126mt)
V4HH 3.0/20-350/5	3.0	20	40MM		150	132	110	98	0 (140mt)
V4HH 3.0/25-350/4	3.0	25	40MM			112	102	82	0 (175mt)
V4 3.0/9-350/18	3.0	9	50MM		240	93	0 (52mt)		



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