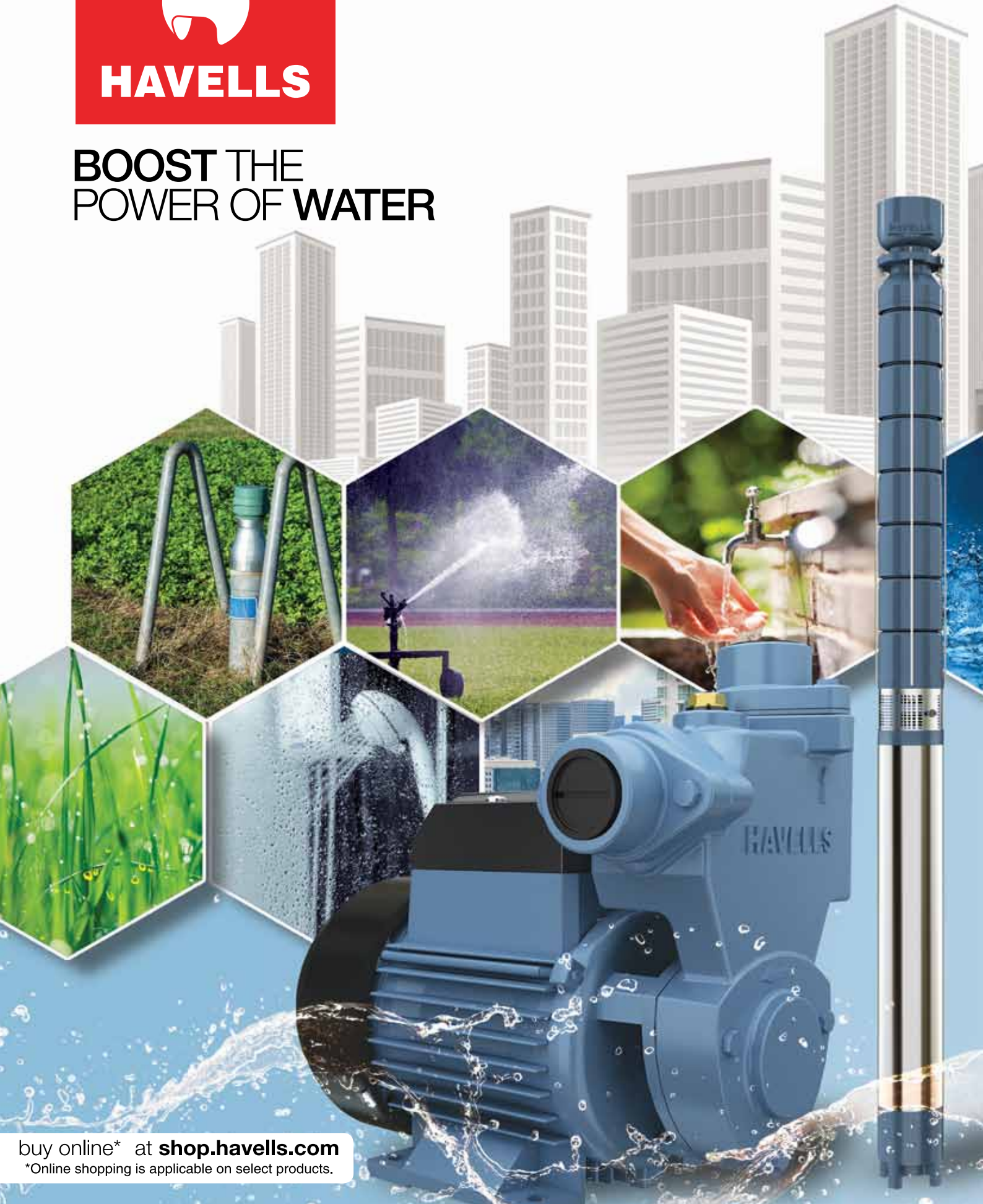




**HAVELLS**

**BOOST THE  
POWER OF WATER**



buy online\* at [shop.havells.com](https://shop.havells.com)

\*Online shopping is applicable on select products.



## Manufacturing Excellence!

From manufacturing excellence to complete home and industry solutions, Havells has been providing world class quality products to its customers at affordable prices. Its varied range of electricals not only ensures safety and reliability, they also help cut down the carbon emission footprint, conserving our limited natural resources.

Havells Pump factory is the state-of-the-art world class Pumps Manufacturing Plant spread over 42 acres of land at Neemrana (Rajasthan). With the manufacturing capacity of over 25,000 energy efficient pumps per month, it is also one of the largest integrated plant in India.

While every plant of Havells has its own unique feature, some of the manufacturing strengths of this plant are:

In-house manufacturing of pumps

100% automatic winding lines

Automatic impregnation plant

Fully automated temperature controlled paint stations

Modern automatic type hydraulic test lab

Complete computerised testing facility

With a fully equipped pumps manufacturing division and more than skilled workforce, Havells is ready to imbibe every product with commitment, hard work, and quality, making a difference to millions of lives.



## About Havells

A company with an unflinching commitment to quality, innovation, and customer satisfaction, Havells India Limited has today emerged as a dominant player in the Fast Moving Electrical Goods industry. The company manufactures a number of products ranging from Cables, Wires and Switchgear in domestic and industrial segments, to Fans, Water Heaters, Small Appliances, Water Pumps, Air coolers, Personal Grooming, Home Automation, Switches, LED lighting & fixtures in the consumer facing segments. With the acquisition of Lloyd, and the entry into the Water Purifier and Personal grooming category, the company has become a fine example of successful transition and transformation from a Fast Moving Electrical Goods manufacturer to a true Consumer Durables company, steadily spreading its operations across India.

Havells started its operations in the 1970s and since then, the company has used a judicious mix of organic growth and inorganic opportunities to boost revenues and scale up business. Global recognition came Havells' way in 2007 with the stunning acquisition profile Sylvania, which also pitch-forked it among the top four lighting companies across the world. The company today owns a range of established and prestigious brands like Havells, Lloyd, Crabtree and Standard that are sold through its extensive network of dealers and retailers spread across the country. Havells has 12 state-of-the-art manufacturing units in the country located at Haridwar, Baddi, Sahibabad, Faridabad, Assam, Alwar and Neemrana. These units manufacture globally acclaimed products, synonymous with excellence and precision.

The company has a strong domestic presence with 40 offices employing close to 6,500 professionals across the country supported by over 7,600 dealers and distributors with world-class service network in 400 cities across India. Given the enormous size, scale and reach of the operations, Havells today has 415 exclusive brands shop known as Havells Galaxies to provide better shopping experience to our consumers.



Pressure  
Pump

Open Well  
Submersible  
Pump

Shallow Well  
Jet Pump

Jet  
Pump

# BOOST THE POWER OF WATER

Centrifugal  
Monoblock  
Pump

Self Priming  
Monoblock  
Pump

Borewell  
Submersible  
Pump



# SELF PRIMING MONO BLOCK PUMP



## Features:

### Operating Conditions

- Operating water temperature: upto 55 °C
- Max working pressure: 5.5 kg/cm<sup>2</sup>
- High suction with self-priming: upto 8 metre
- Low power consumption
- Wide voltage operating range 220 V (+6%, -15%)
- Direction of rotation: Anti-Clockwise when viewed from driving end

### Motor

- Motor body: High quality aluminum pressure die casted / aluminum extruded
- Motor Stator: Low Watt loss silicon steel laminations
- Rotor: Dynamically balanced
- TEFC motor (2 pole / 4 pole) suitable for 220 V (+6%, -15%), 50 Hz single phase AC power supply
- F Class Copper Winding wires
- In-built thermal overload protector (T.O.P.)
- Motor Insulation Class F / Class B
- IP-54 / IP-65

### Applications

- Used in gardening, farm houses & building construction
- For lifting water to overhead storage tanks
- Pressure booster systems
- Hotels, hospitals and fountains
- Water circulation in Industries

### Pump Construction

- CED coated cast iron hydraulic parts for corrosion free performance
- Pump Casing: Cast iron FG 200
- Impeller: Forged brass for longer life
- Shaft: High grade stainless steel / carbon steel
- Mechanical seal: Carbon Vs ceramics

## Benefits of Havells Pump

### Motor Insulation Class F / Class B:

Motor design is compact and motor temperature withstand capacity increases upto 155 °C / 130 °C, it protects motor from winding burning due to voltage fluctuations.

**IP-54:** Protection suitable for outdoor application under sun-roof.

**IP-65:** Protection suitable for outdoor application

### Motor Windings:

F Class copper winding wires gives high motor efficiency and high temperature withstanding capacity.

### Thermal Overload Protector (TOP):

Havells Pumps are provided with TOP to safe guard motor from burning.

### Pump Shaft:

Stainless Steel / Carbon Steel Shaft ensures longer life.

### Pump Casting:

High Grade Pump Castings (FG-200 grade)\* ensures the better mechanical strength hence enhanced pump life.

### Pump Seal:

High quality mechanical seal has long life with lesser wear and tear.

### Impeller:

Forged Brass impeller is wear & tear resistant.

**Pump Warranty\*:** Pumps with upto 2 Year Warranty stands for high quality assurance.

**Home Service:** Home service of the pumps assures trouble free service at customer door step.

\*Pump Warranty stands for manufacturing defects, during this period pump will be rectified/repared/replaced free of cost.  
Note : Above features may vary according to Pump Models.

**SELF PRIMING  
MONOBLOCK PUMP**

**HI-FLOW  
S-SERIES**



Model	Power		Pipe Size	Total Head in metre																
				6 m	9 m	12 m	15 m	18 m	21 m	24 m	27 m	30 m	33 m	34 m	40 m	45 m	50 m	56 m	57 m	
	kW	HP	mm	Discharge in Litre per Hour																
S2	0.37 kW	0.5 HP	25 mm x 25 mm	2700	2550	2350	2150	1870	1570	1360	1080	900	610	490						
S1	0.75 kW	1.0 HP	25 mm x 25 mm	4200	4000	3860	3600	3440	3120	2880	2600	2420	2160	2100	1730	1360	1090	640		
S1.5W	1.1 kW	1.5 HP	25 mm x 25 mm					4700	4500	4300	4100	3850		3550	3030	2580	2100		1400	

**SELF PRIMING  
MONOBLOCK PUMP**

**HI-FLOW  
SE-SERIES**



+1 year extended warranty.

Model	Power		Pipe Size	Total Head in metre																
				6 m	9 m	12 m	15 m	18 m	21 m	24 m	27 m	30 m	32 m	34 m	36 m	38 m	40 m	45 m	46 m	
	kW	HP	mm	Discharge in Litre per Hour																
SE2	0.37 kW	0.5 HP	25 mm x 25 mm	2600	2360	2110	1870	1600	1370	1110	870	600								
SE1	0.75 kW	1.0 HP	25 mm x 25 mm	3500	3305	3110	2915	2720	2525	2330	2135	1940	1810	1680	1550	1420	1290	965	900	

# SELF PRIMING MONOBLOCK PUMP

## HI-FLOW M-SERIES



Model	Power		Pipe Size mm	Total Head in metre															
	kW	HP		6 m	9 m	12 m	15 m	18 m	21 m	24 m	27 m	30 m	33 m	36 m	38 m	45 m	50 m		
			Discharge in Litre per Hour																
MX2 / MX2H	0.37 kW	0.5 HP	25 mm x 25 mm	2050	1800	1550	1290	1040	780	500									
M2	0.37 kW	0.5 HP	25 mm x 25 mm	2450	2170	1910	1640	1370	1110	850	580	380							
ZINNIA 2	0.37 kW	0.5 HP	25 mm x 25 mm	1900	1600	1310	1020	740	450										
MX1	0.75 kW	1.00 HP	25 mm x 25 mm	3200	2970	2700	2500	2250	2025	1750	1500	1275	950	660	420				
M1	0.75 kW	1.00 HP	25 mm x 25 mm	3400	3200	3000	2800	2600	2400	2200	2000	1800	1600			850	580		

# SELF PRIMING MONOBLOCK PUMP

## HI-FLOW MP-SERIES MS-SERIES



Model	Power		Pipe Size mm	Total Head in metre															
	kW	HP		6 m	9 m	12 m	15 m	18 m	21 m	24 m	25 m	27 m	30 m	33 m	36 m	38 m	40 m		
			Discharge in Litre per Hour																
MP2	0.37 kW	0.5 HP	25 mm x 25 mm	1850	1650	1440	1210	1000	750	540	400								
MS2	0.37 kW	0.5 HP	25 mm x 25 mm	1850	1640	1430	1210	1000	760	520	425								
MSE2	0.37 kW	0.5 HP	25 mm x 25 mm	1900	1600	1300	1000	740	450										
MP1	0.75 kW	1.0 HP	25 mm x 25 mm	3000	2840	2680	2500	2300	2100	1920	1850	1700	1500	1290	1070	870	800		
MS1	0.75 kW	1.0 HP	25 mm x 25 mm	2880	2665	2470	2270	2110	1890	1660	1590	1450	1220	910	650	425			



**SELF PRIMING  
MONOBLOCK PUMP**

**HI-FLOW  
HS-SERIES**



Model	Power		Pipe Size mm	Total Head in metre								
	kW	HP		6 m	9 m	12 m	15 m	18 m	21 m	24 m	27 m	30 m
HS2	0.37 kW	0.5 HP	25 mm x 25 mm	Discharge in Litre per Hour								
				3200	2875	2540	2240	1900	1580	1210	870	550

**SELF PRIMING  
MONOBLOCK PUMP**

**HI-FLOW  
D-SERIES**



Model	Power		Pipe Size mm	Total Head in metre													
	kW	HP		6 m	9 m	12 m	15 m	18 m	21 m	24 m	27 m	30 m	33 m	36 m	39 m	41 m	42 m
D2 / D2H	0.37 kW	0.5 HP	25 mm x 25 mm	Discharge in Litre per Hour													
				3300	3030	2730	2400	2080	1750	1340	900	400					
D1	0.75 kW	1.0 HP	25 mm x 25 mm	4000	3725	3450	3175	2905	2630	2355	2080	1805	1530	1260	985	800	
D10	0.75 kW	1.0 HP	25 mm x 25 mm				2900	2800	2540	2300	2080	1860	1640	1440	1240	1130	1060

\*D-Series motor have 1450 r/min (revolutions per minute) 4 Pole

# SELF PRIMING MONOBLOCK PUMP

## HI-FLOW A-SERIES



Model	Power		Pipe Size	Total Head in metre												
				3 m	6 m	9 m	12 m	15 m	18 m	21 m	24 m	27 m	30 m	32 m	36 m	39 m
	kW	HP	mm	Discharge in Litre per Hour												
AL2	0.37 kW	0.5 HP	13 mm x 13 mm	1600	1500	1385	1235	1110	950	800	675	480	270			
A3	0.55 kW	0.75 HP	25 mm x 25 mm		2000	1900	1750	1600	1450	1300	1150	1000	800			
A1	0.75 kW	1.0 HP	25 mm x 25 mm		2450	2330	2200	2080	1970	1840	1725	1550	1340	1120	825	535

# SELF PRIMING MONOBLOCK PUMP

## HI-FLOW SHOWER/BRIONY SERIES



Model	Power		Pipe Size	Total Head in metre											
				6 m	9 m	12 m	15 m	18 m	21 m	24 m	27 m	30 m	33 m	34 m	
	kW	HP	mm	Discharge in Litre per Hour											
SHOWER2	0.37 kW	0.5 HP	25 mm x 25 mm	1900	1670	1410	1120	820	450						
BRIONY2	0.37 kW	0.5 HP	25 mm x 25 mm	1900	1670	1410	1120	820	450						
SHOWER1	0.75 kW	1 HP	25 mm x 25 mm	2700	2480	2250	2030	1800	1550	1320	1080	830		450	
BRIONY1	0.75 kW	1 HP	25 mm x 25 mm	2600	2400	2200	1950	1700	1450	1200	940	670	400		

# SELF PRIMING PRESSURE PUMP



## HI-FLOW HBEM2

### FEATURES:

- The pressure pump is designed to automatically start & stop depending on faucet/shower operation.
- Pump starts automatically at 1.5 bar pressure thus minimum pressure of more than 1.5 bar is always maintained in the system.
- Pump stops automatically when water flow is less than 2 L /min thus prevents frequent starts & stops.
- Inbuilt NRV in controller - No additional NRV required between Controller & Pump.
- Y type brass strainer is supplied with pump to avoid entry of dirt particles thus improving pump life.
- Inbuilt pressure gauge to show pressure of water in system.
- High quality & longer life mechanical seal.
- TEFC motor (2 Pole) suitable for 180 V - 240 V, 50 Hz, 1 Phase AC power supply.
- Fitted with thermal overload protector. (TOP)
- Class F motor insulation.
- IP 65 protection for Pump Motor and Controller.

### APPLICATIONS:

- For residential pressure booting applications like Faucets, Showers & Washing machines etc.
- Suitable for 1-2 bathrooms/outlets.
- For constant pressure applications in industry.

Model	Power		Pipe Size mm	Total Head in metre								
	kW	HP		6 m	9 m	12 m	15 m	18 m	21 m	24 m	27 m	30 m
HBEM2	0.37 kW	0.5 HP	25 mm x 25 mm	Discharge in Litre per Hour								
				2450	2170	1910	1640	1370	1110	850	580	380

# SELF PRIMING PRESSURE PUMP



## HI-FLOW HBTM2



### Product Features:

- The automatic pressure pump is designed to automatically start & stop on opening and closing of taps and maintain water pressure.
- Pump starts automatically when water pressure drops to 1.5 bar (Cut-in) and automatically stops when water pressure reaches 2.6 bar (Cut-off), thus minimum pressure of 1.5 bar is always maintained in piping. The Cut-in & Cut-off pressures are settable for fine tuning as per site condition if required.
- Fitted with two litre hydro pneumatic tank with pressure switch.
- Y type brass strainer is supplied with pump to avoid entry of dirt particles thus improving pump life. (The same is supplied separately & must be installed at suction with right direction of flow).
- TEFC motor (2 Pole) suitable for 170 V - 270 V, 50 Hz, 1 Phase AC power supply

- High quality & longer life mechanical seal.
- Fitted with thermal overload protector (TOP).
- Class F motor insulation.
- Air pre-charge Pressure 1.3 bar
- CED coated hydraulic parts.

### Applications:

- For residential pressure booting applications like Faucets, Showers & Washing machines etc.
- Suitable for 1-2 bathroom/outlets.
- For constant pressure applications in industry.

Model	Power		Pipe Size mm	Total Head in metre							
	kW	HP		6 m	9 m	12 m	15 m	18 m	21 m	24 m	27 m
HBTM2	0.37 kW	0.5 HP	25 mm x 25 mm	Discharge in Litre per Hour							
				2000	1810	1610	1390	1130	900	700	300

# SELF PRIMING SHALLOW WELL JET PUMP

## HI-FLOW JSE-SERIES



Model	Power		Pipe Size	Total Head in metre											
				6 m	9 m	12 m	15 m	18 m	21 m	24 m	27 m	30 m	33 m	36 m	
	kW	HP	mm	Discharge in Litre per Hour											
JSE2	0.37 kW	0.50 HP	25 mm x 25 mm	3000	2910	2830	2750	2670	2150	1650	1090	500			
JSE1	0.75 kW	1.00 HP	25 mm x 25 mm			2850	2770	2690	2600	2490	2150	1760	1290	600	

# SELF PRIMING DEEP WELL JET PUMP

## HI-FLOW JET PUMP



Model	Min. well size (mm)	Pipe Size (mm)			Minimum Operating Pressure in kg / cm <sup>2</sup>	Power		Total Head in metre															
								9 m	12 m	15 m	18 m	21 m	24 m	27 m	30 m	33 m	36 m	39 m	40 m	42 m	45 m	48 m	51 m
		Suc.	Pres.	Dis.		kW	HP	Discharge in Litre per Hour															
BWJ12T	100 mm	32 mm	25 mm	25 mm	1.8 kg / cm <sup>2</sup>	0.75 kW	1.0 HP			1360	1330	1275	1260	1160	1035	930	810	700	660	585	470	400	230
BWJ11T	100 mm	32 mm	25 mm	25 mm	1.6 kg / cm <sup>2</sup>	0.75 kW	1.0 HP	1800	1740	1640	1450	1285	1070	880	760	570	470	370	320				
BWJ11P	80 mm	40 mm	32 mm	25 mm	1.6 kg / cm <sup>2</sup>	0.75 kW	1.0 HP	2100	2020	1740	1320	900	640	450	250								

# OPEN WELL SUBMERSIBLE PUMP



## HI-FLOW CHESTER- SERIES

- Integrated Suction for Motor protection
- Specially designed Noryl Impeller
- Cathodic Electro Deposition (CED) coated Cast Iron Parts
- Energy Efficient Motor design
- Stainless Steel Vs Carbon & Hylam Thrust Bearing set with Carbon Bush for longer life
- Stainless Steel Motor Housing and Shaft



Model	Power		Del.Size mm	Total Head in metre											
	kW	HP		8 m	10 m	13 m	14 m	15 m	16 m	17 m	18 m	21 m	23 m	25 m	28 m
CHESTER M05	0.37 kW	0.5 HP	25 mm	145	130	110	100	90	80	70	55				
CHESTER M10	0.75 kW	1.0 HP	25 mm				170		160		150	130	110	90	40

# OPEN WELL SUBMERSIBLE PUMP



## HI-FLOW GOLDIE/ W SERIES

- Specially designed Noryl impeller and Cast iron Impeller (2 HP)
- Cathodic Electro Deposition (CED) Coated Cast Iron Parts
- Energy efficient Motor design
- Stainless Steel Vs Carbon & Hylam 0.75 kW (1 HP) Thrust Bearing set with Bronze Bush for long life
- Stainless Steel Motor Housing and Shaft



Model	Power		Pipe Size mm	Total Head in metre																	
	kW	HP		6 m	8 m	10 m	12 m	14 m	16 m	17 m	18 m	20 m	21 m	22 m	24 m	26 m	27 m	28 m	30 m	35 m	39 m
WL2	0.37 kW	0.5 HP	25 mm x 25 mm		140	125	105	95	70												
GOLDIE2	0.37 kW	0.5 HP	25 mm x 25 mm		140	135	125	108	80	55											
WL1	0.75 kW	1.0 HP	25 mm x 25 mm				170	157	143		132	120		105	90	60		40			
GOLDIE1	0.75 kW	1.0 HP	25 mm x 25 mm				160	148	135		121	106		90	73		40				
WN1.5	1.1 kW	1.5 HP	32 mm x 25 mm				200	196			185	180		160	150			120	30		
WK1.5	1.1 kW	1.5 HP	32 mm x 32 mm				230	223			210	200		180	165			140	85	25	
WJ2	1.5 kW	2.0 HP	50 mm x 40 mm		410		385		350		300			245				100			
WQ2	1.5 kW	2.0 HP	50 mm x 50 mm	600			490		410		360	280	150								

# OPEN WELL SUBMERSIBLE PUMP

## HI-FLOW W SERIES



- Pump-set designed as per IS 14220
- High grade PU coating to avoid corrosion
- High-grade stainless-steel shaft to avoid corrosion
- Dynamically balanced copper rotor with trouble free & efficient operation
- Carbon + SS 420 thrust bearing

\*Suction bend not in Havells scope.

### Applications:

- Domestic & community water supply
- Gardening & small farm irrigations
- Water supply to over head tanks

Model	Power		Pipe Size mm	Total Head in metre																					
	kW	HP		14 m	15 m	17 m	19 m	20 m	23 m	24 m	25 m	26 m	27 m	28 m	30 m	32 m	33 m	35 m	41 m	46 m	50 m	54 m			
				Discharge in Litre per minute																					
WJ3T	2.2 kW	3 HP	50 mm x 40 mm							430	400		340	310	220	90									
WR3T	2.2 kW	3 HP	65 mm x 50 mm		610	570	520		400	360	320	260	200												
WR5T	3.7 kW	5 HP	65 mm x 50 mm		850	800	750		650		590		530	480	380	260	200								
WS5T	3.7 kW	5 HP	80 mm x 65 mm	1050		940	850	800	610	520	420	300													
WR7.5T	5.5 kW	7.5 HP	65 mm x 50 mm														780				710	610	510	390	220
WS7.5T	5.5 kW	7.5 HP	80 mm x 65 mm					1200	1090		1010		920	870	770	650	590	400							

# CENTRIFUGAL MONOBLOCK PUMP

## HI-FLOW C-SERIES



### Motor:

- TEFC motor with 'F' Class insulation & IP 54 protection
- Motor voltage band: 180 V - 250 V OR 170 V-270 V
- In-bult thermal overload protector (T.O.P)
- Motor body : CI FG200 for longer life.
- Motor designed for optimum life, low power consumption
- Dynamically Balanced Rotor - Better efficiency & performance.
- Sealed Anti-friction bearing both side for longer life.

### Pump:

- High grade pump casing casting (FG 200) ensures the better mechanical strength
- Carbon Steel shaft ensures longer Life of pump
- Carbon Vs ceramics graphite mechanical seal has longer life with lesser wear & tear
- Dynamically Balanced Impellers - Better life & Performance

### Applications:

- Small farm irrigations & Gardening
- Lawn sprinklers
- Construction site
- Domestic & community water supply
- Water transfer & circulations

Model	Power		Pipe Size mm	Total Head in metre																	
	kW	HP		5 m	6 m	8 m	9 m	10 m	12 m	14 m	15 m	16 m	17 m	18 m	19 m	20 m	22 m	24 m	25 m	26 m	28 m
			Discharge in Litre per Hour																		
CM05	0.37 kW	0.5 HP	25 mm x 25 mm							7000		6680		5670		3970	1830				
GMM05	0.37 kW	0.5 HP	25 mm x 25 mm					6000	4700	3100	2100										
CMM05HH	0.37 kW	0.5 HP	25 mm x 25 mm													6300	5200	3300	2000		
CMPO5	0.37 kW	0.5 HP	40 mm x 40 mm		14100	13420		12800	11150	4050											
CMPO5E	0.37 kW	0.5 HP	40 mm x 40 mm		14100	13420		12800	11150	4050											
CMM10	0.75 kW	1.0 HP	25 mm x 25 mm							6560		6430		6360		6240	6110			4100	2520
CMP10-W	0.75 kW	1.0 HP	40 mm x 40 mm	18000		16500			13800	11800		9400	8000								
CMQ10	0.75 kW	1.0 HP	50 mm x 50 mm			24000		19800	14820	9000											
CMV10L	0.75 kW	1.0 HP	75 mm x 75 mm	54000	45500	27000	13400														
CMQ15-W	1.1 kW	1.5 HP	50 mm x 50 mm			24600		21500	18500	15000		11000	8400								
CR15	1.1 kW	1.5 HP	65 mm x 50 mm			28200		24000	19800	12600											
CMR15-W	1.1 kW	1.5 HP	65 mm x 50 mm			28200		24000	20000	15000	11000										
CMV15	1.1 kW	1.5 HP	75 mm x 75 mm		42000	38200		32400	24960												
CMV15L	1.1 kW	1.5 HP	75 mm x 75 mm		42000	38200		32400	24960												
CMV15L-HF	1.1 kW	1.5 HP	75 mm x 75 mm		49800	40320		30400	18000												
CMV15-WHF	1.1 kW	1.5 HP	75 mm x 75 mm		49800	40320		30400	18000												
CMV15D-WHF	1.1 kW	1.5 HP	75 mm x 75 mm		49800	40320		30400	18000												
CMJ20	1.5 kW	2.0 HP	50 mm x 40 mm					21000	20800		20300		19600		18400	17300	15800		13400	11000	6960
CMQ20	1.5 kW	2.0 HP	50 mm x 50 mm					24000	22200		20500		18700		16800	14500	12000				
CMR20	1.5 kW	2.0 HP	65 mm x 50 mm					30000	28200	24600		21000		16200	12900	7200					
CMR20D	1.5 kW	2.0 HP	65 mm x 50 mm					30000	28200	24600		21000		16200	12900	7200					
CMR20-W	1.5 kW	2.0 HP	65 mm x 50 mm					30000	28200	24600		21000		16200	12900	7200					
CMR20D-W	1.5 kW	2.0 HP	65 mm x 50 mm					30000	28200	24600		21000		16200	12900	7200					
CMS20	1.5 kW	2.0 HP	75 mm x 65 mm		48000	45600		43200	36000	23400											
CMS20D	1.5 kW	2.0 HP	75 mm x 65 mm		46800	45000		42000	34800	19200											
CMS20L	1.5 kW	2.0 HP	75 mm x 65 mm		50600	41160		31360	18800												
CMS20-W	1.5 kW	2.0 HP	75 mm x 65 mm		50600	41160		31360	18800												
CMS20D-W	1.5 kW	2.0 HP	75 mm x 65 mm		50600	41160		31360	18800												
CMV20	1.5 kW	2.0 HP	75 mm x 75 mm		48000	45600		43200	36000	23400											
CMV20D	1.5 kW	2.0 HP	75 mm x 75 mm		46800	45000		42000	34800	19200											
CMV20L	1.5 kW	2.0 HP	75 mm x 75 mm		51600	42000		32000	19200												
CMV20-W	1.5 kW	2.0 HP	75 mm x 75 mm		51600	42000		32000	19200												
CMV20D-W	1.5 kW	2.0 HP	75 mm x 75 mm		51600	42000		32000	19200												





## HI-FLOW V5 / V6 / V7 SERIES



### Motor:

- Totally Enclosed, Water Filled, Squirrel Cage, 2 Pole 3000 r/min (revolutions per minute) Syn. Speed, suitable for Wide Voltage (300 V - 440 V), 3 Phase, 50 Hz, AC supply.
- Polywrap Insulated Copper Wire.
- Energy Efficient Design - Saves Power
- Dynamically Balanced Copper Rotor - Better Efficiency & Performance.
- Specially Designed self-aligned carbon Vs stainless steel thrust bearing that withstand high axial thrust load.
- Three Piece Construction Motor - Robust Construction & Easy Maintenance
- Epoxy Coating to All Ferrous Parts - Rust Prevention & Longer Life.
- Stainless Steel Motor Shaft (Grade SS 420) - Rust Prevention & Longer Life
- Specially Designed Seals & Sand Guard - To Avoid Sand Entry.

### Pump:

- Available with Radial / Mix Flow Type Impeller Design.
- Epoxy Coating to All Ferrous Parts - Rust Prevention & Longer Life.
- Dynamically Balanced Impellers - Better life & Performance
- Non Return Valve reduces the thrust load of back pressure.
- Stainless Steel Pump Shaft (Grade SS 420) - Rust Prevention & Longer Life
- Stainless Steel Impellers (Grade SS 410) with Neck ring- Better Efficiency & Longer Life

### Applications:

- Agriculture Farms
- Sprinkler & Drip Irrigation
- Multistoried Buildings
- Construction Sites
- Water supply for Industrial
- Commercial & Residential Establishments

### PERFORMANCE CHART 125 mm (V 5) Motor & 125 mm (V 5) Pump

MODEL	Power		Stage	Pipe Size mm	Discharge in Litre per minute							
	kW	HP			650	600	520	475	420	385	320	250
H5W5M9F50T	3.7 kW	5 HP	5	75 mm	22 m	25 m	30 m	33 m	36 m	38 m	41 m	44 m
MODEL	Power		Stage	Pipe Size mm	Discharge in Litre per minute							
	kW	HP			650	630	575	510	420	360	305	250
H5W6M25F60T	4.5 kW	6 HP	6	75 mm	24 m	26 m	30 m	35 m	41 m	44 m	46 m	48 m
MODEL	Power		Stage	Pipe Size mm	Discharge in Litre per minute							
	kW	HP			830	805	750	680	620	500	360	300
H5W5M10F75T	5.5 kW	7.5 HP	5	75 mm	18 m	20 m	24 m	29 m	33 m	40 m	46 m	48 m

### PERFORMANCE CHART 150 mm (V 6) Motor & 150 mm (V 6) Pump

MODEL	Power		Stage	Pipe Size mm	Discharge in Litre per minute									
	kW	HP			690	650	610	540	490	380	350	310	270	210
H6W4M26F30/H6W4M26F30D/H6W4M26F30T	2.2 kW	3 HP	4	75 mm	18 m	20 m	22 m	25 m	27 m	31 m	32 m	33 m	34 m	35 m
MODEL	Power		Stage	Pipe Size mm	Discharge in Litre per minute									
	kW	HP			90	100	170	210	220	250	260			
H6W5R2D30T	2.20 kW	3.0 HP	5	50 mm	51 m	50 m	45 m	42 m	39 m	35 m	28 m			
MODEL	Power		Stage	Pipe Size mm	Discharge in Litre per minute									
	kW	HP			60	70	120	130	150	160	170			
H6W8R3D30T	2.20 kW	3.0 HP	8	50 mm	72 m	70 m	65 m	61 m	56 m	54 m	51 m			
MODEL	Power		Stage	Pipe Size mm	Discharge in Litre per minute									
	kW	HP			330	440	480	520	580	620	680			
H6W4M1E50T	3.7 kW	5 HP	4	65 mm	37 m	34 m	33 m	31 m	29 m	28 m	25 m			
MODEL	Power		Stage	Pipe Size mm	Discharge in Litre per minute									
	kW	HP			680	650	605	540	480	420	378	330		
H6W4M1F50T	3.7 kW	5 HP	4	75 mm	20 m	22 m	25 m	29 m	32 m	35 m	37 m	39 m		

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute						
	kW	HP			110	220	300	380	440	490	540
Water Filled				mm	Head in metre						
H6W5M11F50T	3.7 kW	5 HP	5	75 mm	57 m	52 m	48 m	42 m	36 m	30 m	24 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute						
	kW	HP			310	475	580	630	710	810	960
Water Filled				mm	Head in metre						
H6W4M2F75T	5.5 kW	7.5 HP	4	75 mm	58 m	51 m	47 m	44 m	41 m	36 m	28 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute							
	kW	HP			930	860	780	700	610	500	350	270
Water Filled				mm	Head in metre							
H6W4M2H75T	5.5 kW	7.5 HP	4	100 mm	24 m	28 m	32 m	36 m	40 m	44 m	49 m	51 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute							
	kW	HP			700	650	580	520	460	380	320	250
Water Filled				mm	Head in metre							
H6W5M12F75T	5.5 kW	7.5 HP	5	75 mm	18 m	26 m	35 m	42 m	48 m	54 m	58 m	62 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute						
	kW	HP			245	265	295	320	350	370	395
Water Filled				mm	Head in metre						
H6W8R1D75T	5.5 kW	7.5 HP	8	50 mm	84 m	80 m	76 m	70 m	64 m	60 m	52 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute						
	kW	HP			500	600	700	780	850	950	1100
Water Filled				mm	Head in metre						
H6W4M3F100T/ H6W4M3H100T	7.5 kW	10 HP	4	75 mm / 100 mm	54 m	51 m	48 m	44 m	41 m	36 m	27 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute							
	kW	HP			930	880	800	720	640	520	400	270
Water Filled				mm	Head in metre							
H6W5M2H100T	7.5 kW	10 HP	5	100 mm	35 m	38 m	43 m	48 m	52 m	57 m	61 m	65 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute						
	kW	HP			250	420	610	790	910	1010	1100
Water Filled				mm	Head in metre						
H6W6M14F100T	7.5 kW	10 HP	6	80 mm	71 m	65 m	57 m	46 m	37 m	28 m	20 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute							
	kW	HP			1100	1000	920	850	770	680	570	500
Water Filled				mm	Head in metre							
H6W5M2H125T	9.3 kW	12.5 HP	5	100 mm	32 m	39 m	45 m	50 m	55 m	60 m	65 m	68 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute							
	kW	HP			930	845	750	690	605	420	330	270
Water Filled				mm	Head in metre							
H6W6M2F125T	9.3 kW	12.5 HP	6	75 mm	42 m	50 m	58 m	62 m	67 m	75 m	78 m	80 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute							
	kW	HP			1100	990	900	850	780	630	570	500
Water Filled				mm	Head in metre							
H6W6M3F150T	11.3 kW	15 HP	6	75 mm	40 m	50 m	58 m	62 m	67 m	75 m	78 m	81 m

### PERFORMANCE CHART 150 mm (V6) Motor & 175 mm (V7) Pump

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute						
	kW	HP			750	970	1075	1200	1260	1430	1480
Water Filled				mm	Head in metre						
H7WJ2M6H75T	5.5 kW	7.5 HP	2	100 mm	29 m	26 m	24 m	22 m	21 m	18 m	17 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute						
	kW	HP			380	530	650	785	870	900	1060
Water Filled				mm	Head in metre						
H7WJ3M4H75T	5.5 kW	7.5 HP	3	100 mm	41 m	37 m	35 m	33 m	30 m	27 m	24 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute							
	kW	HP			1500	1430	1350	1230	1140	990	870	750
Water Filled				mm	Head in metre							
H7WJ2M7H100T	7.5 kW	10 HP	2	100 mm	18 m	20 m	22 m	25 m	27 m	30 m	32 m	34 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute						
	kW	HP			580	765	850	960	1030	1100	1200
Water Filled				mm	Head in metre						
H7WJ3M5H100T	7.5 kW	10 HP	3	100 mm	42 m	38 m	36 m	33 m	31 m	28 m	24 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute							
	kW	HP			1060	970	890	750	625	505	420	380
Water Filled				mm	Head in metre							
H7WJ4M4H100T	7.5 kW	10 HP	4	100 mm	27 m	32 m	36 m	42 m	46 m	49 m	51 m	52 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute							
	kW	HP			1700	1630	1535	1440	1320	1230	1135	1080
Water Filled				mm	Head in metre							
H7WJ2M15H125T	9.3 kW	12.5 HP	2	100 mm	15 m	17 m	20 m	23 m	26 m	28 m	30 m	31 m

MODEL	Power		Stage	Pipe Size	Discharge in Litre per minute						
	kW	HP			750	970	1075	1200	1260	1430	1480
Water Filled				mm	Head in metre						
H7WJ3M6H125T	9.3 kW	12.5 HP	3	100 mm	44 m	39 m	36 m	33 m	32 m	27 m	26 m

MODEL	Power		Stage	Pipe Size mm	Discharge in Litre per minute							
	kW	HP			1200	1140	1080	980	840	785	655	580
H7WJ4M5H15T	9.3 kW	12.5 HP	4	100 mm	31 m	34 m	37 m	42 m	48 m	50 m	54 m	56 m

MODEL	Power		Stage	Pipe Size mm	Discharge in Litre per minute						
	kW	HP			750	860	1025	1230	1300	1410	1500
H7WJ3M7H15T	11.3 kW	15 HP	3	100 mm	50 m	45 m	40 m	33 m	30 m	25 m	28 m

MODEL	Power		Stage	Pipe Size mm	Discharge in Litre per minute							
	kW	HP			1480	1380	1320	1200	1085	930	870	750
H7WJ4M6H15T	11.3 kW	15 HP	4	100 mm	29 m	34 m	37 m	43 m	48 m	54 m	56 m	60 m

Performance applicable to liquid with specific gravity 1 & viscosity like water. Performance figure given above are approximate & may differ based on the site conditions. Total head given above is the sum total of static suction lift, static delivery head & losses in the pipes, bends etc.

### Cable Selection Chart:

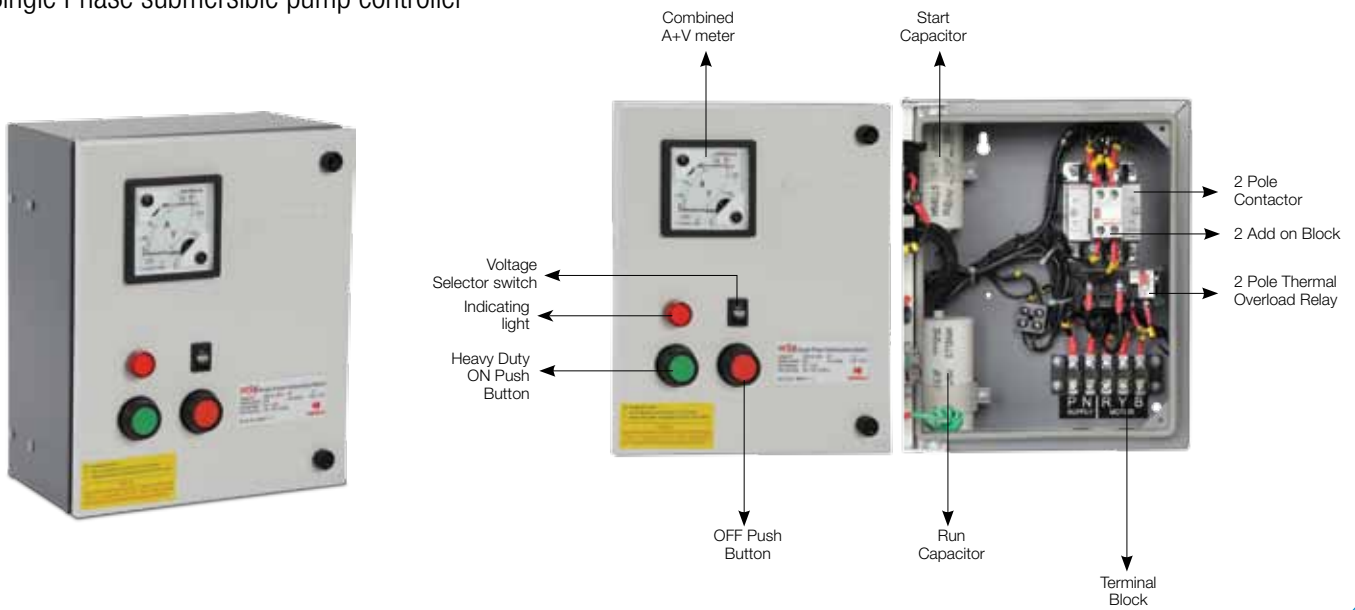
Cable Selection for 220 V, 1 Phase, 50 Hz Submersible Pumpset																										
kW	HP	Cable Size mm <sup>2</sup> (sq. mm)	Length of Cable in Metre																							
			10	20	30	40	50	60	70	80	90	100	110	120	140	180	200	220	270	320	370	420	470	500		
0.37 kW	0.5 HP	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4	6	6	6	6	6		
0.55 kW	0.75 HP		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	4	4	4	6	6	10	10	10	10	10	
0.75 kW	1 HP		1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	4	4	4	6	6	6	10	10	10	16	16	16	16	16
1.1 kW	1.5 HP		1.5	1.5	1.5	1.5	2.5	2.5	2.5	4	4	4	4	6	6	6	10	10	10	16	16	16	16	16	25	25
1.5 kW	2 HP		2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6	6	10	10	10	16	16	16	25	25	25	25	25
2.2 kW	3 HP		2.5	2.5	2.5	2.5	4	4	6	6	6	6	10	10	10	16	16	16	16	25	25	35	35	35	35	35
3.0 kW	4 HP		4	4	4	4	4	6	6	6	10	10	10	16	16	16	16	25	25	35	35	35	35	35	35	35
3.7 kW	5 HP		4	4	4	4	6	6	10	10	10	10	10	16	16	25	25	25	35	35	35	50	50	50	50	50
4.5 kW	6 HP		6	6	6	6	10	10	10	10	10	16	16	16	25	25	25	35	35	35	50	50	50	50	50	50
5.5 kW	7.5 HP		6	6	6	10	10	10	10	10	10	16	16	25	25	25	35	35	35	50	50	50	50	50	50	50
7.5 kW	10 HP	10	10	10	10	10	10	10	16	25	25	25	25	35	35	35	50	50	50	50	50	50	50	50	50	

Cable Selection for 415 V, 3 Phase, 50 Hz, Dual Cable Submersible Pumpsets																										
kW	HP	Cable Size mm <sup>2</sup> (sq. mm)	Length of Cable in Metre																							
			10	20	30	40	50	60	70	80	90	100	110	120	140	180	200	220	270	320	370	420	470	500		
5.5 kW	7.5 HP	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	1.5	2.5	2.5	2.5	4	4	4	4	6	6	6	10	10	10	10	
7.5 kW	10 HP		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	6	6	6	10	10	10	10	16	16	16
9.3 kW	12.5 HP		4	4	4	4	4	4	4	4	4	4	4	4	6	6	6	10	10	10	16	16	16	16	16	16
11.3 kW	15 HP		4	4	4	4	4	4	4	4	4	4	4	4	6	6	6	10	10	10	16	16	16	16	16	16
13.1 kW	17.5 HP		4	4	4	4	4	4	4	4	4	4	6	6	6	10	10	10	10	16	16	16	16	25	25	25
14.9 kW	20 HP		4	4	4	4	4	4	4	4	4	4	6	6	6	10	10	10	10	16	16	16	16	25	25	25
16.8 kW	22.5 HP		6	6	6	6	6	6	6	6	6	6	6	10	10	10	10	16	16	16	25	25	25	25	25	25
18.7 kW	25 HP		6	6	6	6	6	6	6	6	6	6	6	10	10	10	10	16	16	16	25	25	25	25	25	25
22.4 kW	30 HP		6	6	6	6	6	6	6	6	6	6	10	10	10	10	16	16	16	25	25	25	35	35	35	35

Cable Selection for 415 V, 3 Phase, 50 Hz, Single Cable Submersible Pumpsets																										
kW	HP	Cable Size mm <sup>2</sup> (sq. mm)	Length of Cable in Metre																							
			10	20	30	40	50	60	70	80	90	100	110	120	140	180	200	220	270	320	370	420	470	500		
0.55 kW	0.75 HP	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
0.75 kW	1 HP		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5
1.1 kW	1.5 HP		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	2.5
1.5 kW	2 HP		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4
2.2 kW	3 HP		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.5	2.5	2.5	2.5	4	4	4	6	6	6
3.0 kW	4 HP		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	6	6	6	6	6	6
3.7 kW	5 HP		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	4	4	4	4	6	6	10	10	10	10	10
4.5 kW	6 HP		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	6	6	6	10	10	10	16	16
5.5 kW	7.5 HP		4	4	4	4	4	4	4	4	4	4	4	4	4	4	6	6	6	10	10	10	16	16	16	16
7.5 kW	10 HP		6	6	6	6	6	6	6	6	6	6	6	6	6	6	10	10	10	16	16	16	25	25	25	25
9.3 kW	12.5 HP	6	6	6	6	6	6	6	6	6	6	6	6	6	10	10	10	16	16	16	25	25	25	25	25	
11.3 kW	15 HP	6	6	6	6	6	6	8	8	8	8	8	8	8	10	10	10	16	16	16	25	25	25	25	25	
13.1 kW	17.5 HP	6	6	6	6	6	6	8	8	8	8	8	8	10	10	10	16	16	16	25	25	25	35	35	35	
14.9 kW	20 HP	8	8	8	8	8	8	8	8	8	8	8	10	10	10	16	16	16	25	25	25	35	35	35	35	
16.8 kW	22.5 HP	8	8	8	8	8	8	8	8	10	10	10	10	10	16	16	16	25	25	35	35	35	35	50	50	
18.7 kW	25 HP	8	8	8	8	8	8	8	8	10	10	10	10	10	16	16	16	25	25	35	35	35	35	50	50	
22.4 kW	30 HP	10	10	10	10	10	10	10	10	10	10	10	16	16	16	25	25	25	35	35	50	50	50	50	50	

## Accessories Available for Submersible Pumps:

### Single Phase submersible pump controller



### Flat three core submersible cables



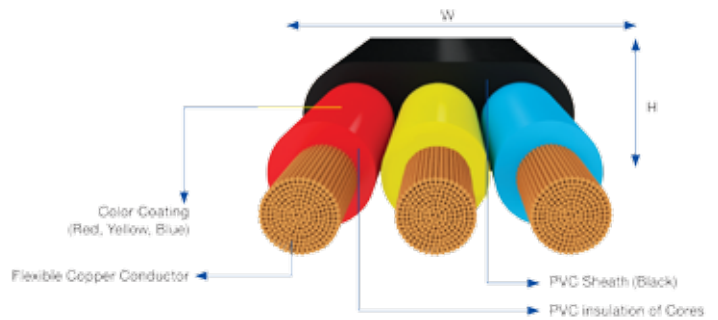
#### Application

Used for critical space requirements, protection against impact of corrosive liquids and abrasion while being indefinitely immersed in water.

Type FR PVC Insulated, flat sheathed, 3C - 1.5 mm<sup>2</sup> (sq. mm) to 35 mm<sup>2</sup> (sq. mm)

#### Features

- Protection against rain water.
- Protection against ingress of small solid foreign bodies.
- Available in 100 m pack.



Actual products may vary in colour, design, description and colour combination etc. Although every effort has been made to ensure accuracy in the compilation of the technical detail within this publication. Specifications & performance data are constantly changing.

Copyright Subsists. Imitation of trade dress, graphics and color scheme of this document is a punishable offence.

Diagrams & images in this document are for illustration purposes only.

Performance applicable to liquid with specific gravity 1 & viscosity like water. Performance figure given above are approximate & many differ based on the site conditions. Total head given is the sum total of static suction lift, static delivery head & losses in the pipes, bends etc.

buy online\* at [shop.havells.com](http://shop.havells.com)

\*Online shopping is applicable on select products.



### Havells India Ltd.

Corp Office: QRG Towers, 2D, Sector-126, Expressway, Noida-201304 (U.P) India Ph. +91-120-4771000

Email : [marketing@havells.com](mailto:marketing@havells.com), Website: [www.havells.com](http://www.havells.com)

Customer Care No. 08045 77 1313

Join us on Facebook at [www.facebook.com/havells](http://www.facebook.com/havells) and share your ways to save the planet !

CIN - L31900DL1983PLC016304

