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Crompton

Smart and Reliable Pumping Solutions

Crompton Greaves Consumer Electricals Ltd.

w.e.f May 2023

Mini

Monoblock

Openwell

Pressure Booster

Sewage Pump

Borewell

"Crompton Hoga To Nazar Ayega"

Pumps Business

Crompton Greaves Consumer Electricals Limited, is the leading manufacturer of all types of pumps suitable for handling water, finding applications in Agricultural, Residential and Commercial Sectors.

Pumps manufactured by CGCEL are customer friendly and are very reliable. CGCEL has an ever increasing range of energy efficient pumps.

Consecutively "Superbrand" for Last Eight Years

Advanced Pump Testing Setup and Calibration Lab

State of the Art Manufacturing Facility

Manufacturing Facility - Ahmednagar, Maharashtra, India.

TECHNICAL DATA

Terminology and Head Calculations

1. **Capacity (Discharge):** Rate of flow of liquid measured in litres per minute or Litres per hour
2. **Total Head:** The standard unit for expressing head shall be the metres, thus the head in metres of liquid column = pressure in Kg/cm^2 x 10/Specific Gravity.
3. **Frictional Losses:** Resistance by inner surface of pipe and fittings through which liquid is being pumped.
4. **Cavitation:** Cavitation is a phenomenon in which the static pressure of a liquid reduces to below the liquid's vapour pressure, leading to the formation of small vapor-filled cavities in the liquid. When subjected to higher pressure, these cavities, called "bubbles" or "voids", collapse and can generate shock waves that may damage machinery
5. **Suction Lift (Hs):** It is vertical distance from liquid level to pump centreline. It exist when the source of liquid is below pump centreline
6. **Suction Head (Hss)::** It is vertical distance from liquid level to pump centreline. It exist when the source of liquid is above the pump centreline
7. **Delivery Head(Hd):** Vertical Distance above the pump centreline to the top most point of the delivery.
8. **NPSH :** This term is related with suction lift characteristic of pump. It takes care of atmospheric pressure at site and liquid temp. of pumping liquid, which will affect pump performance

   NPSHA : This term is related with pump installation. It is the available energy at pump inlet and defined as:

   NPSHA= Ha-Hvp-hss-hfs

   where,

   Ha - Atmospheric pressure in m

   Hvp - Vapour pressure of pumping liquid in m

   Hs - static suction lift in m

   Hfs - friction losses in suction side including foot valve losses and bends in m

   NPSHR : This term is related with the pump design. It is the minimum energy required at pump inlet to exhibit the rated performance as per curve. At any operating point, NPSHA at site must be more than NPSHR for pump operation.
9. **Vapour Pressure:** It is defined as the pressure exerted by its vapour in phase equilibrium with its liquid at a given temperature.
10. **Duty Point:** The pump is designed for one point where the maximum pump Eff. / overall Eff is achieved. This point is called Duty Point or operating Point.
11. **Pump EFF.:** The ratio of the pump output to the pump input

$$\text{Thus Pump eff.} = \frac{\text{Pump Output}}{\text{Pump Input}} \times 100$$

12. **OVERALL EFF.:** The ratio of the pump output to the motor input

$$\text{Thus Overall Eff.} = \text{Pump Efficiency x Motor Efficiency}$$

$$\frac{\text{Pump Output}}{\text{Pump Input}} \times \frac{\text{Motor Output}}{\text{Motor Input}} = \frac{\text{Pump Output}}{\text{Motor Input}}$$

13. **Specific Gravity:** The specific gravity of a fluid, designated as SG, is defined as the ratio of the density of the fluid to the density of water at some specified temperature. Usually, the specified temperature is taken as 4 °C and at this temperature the density of water is 1000 kg/m^3
14. **Viscosity:** Viscosity quantifies the internal frictional force between adjacent layers of fluid that are in relative motion. High viscosity fluids are resistant to flow & appear thick and sluggish.

Calculation of Total Head

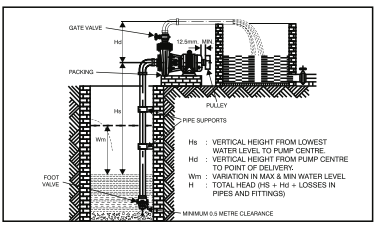
Total Head: It is algebraic difference between the total delivery head and the total suction head/lift

In case of Suction Lift: H = Hd+Hs+Hfs+Hfd+Vd^2/2g

In case of suction head: H = Hd-Hss+Hfs+Hfd+Vd^2/2g

Where,

	H	=	Total Head in m
	Hd	=	static delivery head in m
	Hss	=	static suction head in m
	Hs	=	static suction lift in m
	Hfs	=	friction losses in suction side including foot valve losses and bends in m
	Hfd	=	friction losses in delivery side including bends in m
	Vd^2/2g	=	discharge velocity head in m



To calculate the above parameters, the following details are required.

a. Required discharge in LPM or GPM.
b. Size and length of the suction & delivery pipes.
c. Size, type and number of pipe fittings on suction and delivery sides.

In working out the above, care has to be taken to see that constant units are used.

TABLE I

Length of straight pipe in meters giving equivalent resistance of flow in valves and fittings.

Size of pipe mm	90° Elbow (Std)	90° Medium Elbow	90° long Elbow	45° Elbow	TEE	Return Bend	Gate Valve	Globe Valve	Angle Valve	Foot Valve or Check Valve (NRV)
13	0.46	0.43	0.34	0.24	1.04	1.16	0.107	4.90	2.56	1.01
20	0.61	0.55	0.43	0.31	1.37	1.53	0.143	6.70	3.66	1.53
25	0.82	0.70	0.52	0.40	1.77	1.86	0.18	8.24	4.57	2.04
40	1.31	1.10	0.85	0.61	2.74	3.05	0.29	13.40	6.71	3.05
50	1.67	1.40	1.07	0.76	3.35	3.96	0.37	17.40	8.54	3.96
63	1.98	1.65	1.28	0.92	4.26	4.57	0.42	20.10	10.00	5.18
76	2.47	2.00	1.55	1.15	5.18	5.49	0.52	25.90	12.00	6.10
100	3.35	2.77	2.13	1.53	6.71	7.31	0.70	33.50	17.70	8.23
125	4.26	3.66	2.78	1.86	8.24	9.45	0.88	42.60	21.30	10.00
150	4.87	4.26	3.35	2.35	10.80	11.50	1.07	47.70	25.30	12.20
200	6.40	5.48	4.26	3.05	13.10	14.90	1.37	67.10	33.50	16.20
250	7.62	6.71	5.18	3.96	17.10	19.00	1.74	88.50	42.60	20.40
300	9.75	7.92	6.10	4.57	20.10	23.00	2.04	100.50	51.80	24.40

Friction in long pipeline is to be calculated.

TABLE II : Frictional head lost in GI pipe

Q	Head lost in m per 100m				
Lpm (Nominal dia mm)	40	50	65	80	100
40	1.15	0.38	0.10	0.03	0.01
60	2.57	0.84	0.22	0.08	0.03
80	4.58	1.50	0.40	0.14	0.05
100	7.16	2.36	0.63	0.22	0.07
120	10.30	3.38	0.91	0.32	0.11
150	16.10	5.30	1.42	0.50	0.17
180	23.20	7.60	2.05	0.72	0.24
240	41.25	13.52	3.64	1.29	0.42
300	64.45	21.12	5.69	2.01	0.66
360	-	30.41	8.19	2.90	0.95
400	-	37.55	10.11	3.58	1.17
500	-	-	15.80	5.59	1.83

Water requirement:

The water requirement of the crop depends upon the

(i) Nature of the crop | (ii) Atmospheric conditions | (iii) Nature of soil

CONVERSION TABLE

Discharge:	
1 Imp Gallon	4.546 ltrs.
1 US Gallon	3.785 ltrs.
1 Cu m.	1000 ltrs.
1 Cu ft.	28.32 ltrs.
Discharge rate :	
1 m ^ 3/h	16.67 l/min.
1 m ^ 3/s	60,000 l/min.
1 l/s	60 l/min
1 Cu ft/s	1669.01 l/min
1 Imp. GPH	0.0757 l/min
	0.00126 l/Sec.
Head:	
1 mtrs.	3.28 ft.
1 ft.	0.3048 m.
1 Kg/cm ^ 2	10 mtrs
Pressure:	
1 Atmosphere	1.033 Kg/cm ^ 2
1 Atmosphere	14.7 lb/in
1 Atmosphere	10.34 mwc
1 lb/in ^ 2	0.704 mwc
1 lb/in ^ 2	2.31 ft wc
1 lb/in ^ 2	51.6 mm of mercury.
1 Cusec	1699.01 lpm
	1 Acre inch/hr
1 Cumec	60000 lpm
	2.9816 Acre ft/hr
Power:	
1 HP (Si)	0.746 kW
	746 W
1 HP (Metric)	0.736 kW
	736W
1 kW	1000 W
Weight:	
1 kg.	1000 gm.
1 kg.	2.2046 lb.
1 lb.	0.4536 kg.

DISCHARGE RATE TABLE

Veenotch reading in inch	Veenotch reading in mm.	Discharge rate in GPH (imp)	Discharge rate in lpm.
1/2"	12.7	21	1.59
3/4"	19.05	57.42	4.35
1"	25.4	117.22	8.88
1¼"	31.75	203.8	15.44
1½"	38.1	320.5	24.28
1¾"	44.45	469.52	35.57
2"	50.8	653.8	49.53
2¼"	57.15	875.56	66.33
2½"	63.5	1137.05	86.14
2¾"	69.85	1440.12	109.1
3"	76.2	1786.49	135.39
3¼"	82.55	2179.45	165.11
3¾"	95.25	3108.07	235.46
4"	101.6	3647.56	276.33
4¼"	107.95	4239.31	321.16
4½"	114.3	4884.92	370.07
4¾"	120.65	5585.84	423.17
5"	127	6343.95	480.6
5¼"	133.35	7159.55	542.39
5½"	139.7	8034.97	608.71
5¾"	146.05	8991.64	679.67
6"	152.4	9970.22	755.32
6¼"	158.75	11032.43	835.79
6½"	165.1	12159.44	921.17
6¾"	171.45	13352.46	1011.55
7"	177.08	14466.41	1095.94
7¼"	184.15	15941.38	1207.68
7½"	190.5	17339.65	1313.61
7¾"	196.85	18808.55	1424.89
8"	203.2	20349.38	1541.62

For Single Phase Motor maximum length of copper cable :

MOTOR RATING			CABLE SIZE IN SQUARE MILLIMETERS											
VOLTS	kW	HP	1.5	2.5	4	6	10	16	25	35	50	70	95	
220-240 VOLT 50Hz	0.37	0.5	127	212	338	506	838	1328	2048	2826	3953	5383	7064	MAXIMUM LENGTH IN METERS
	0.55	0.75	86	142	227	340	563	894	1378	1901	2659	3621	4752	
	0.75	1	68	113	180	269	445	706	1088	1502	2100	2860	3753	
	1.1	1.5	46	77	122	183	303	481	742	1024	1432	1950	2559	
	1.5	2	36	60	96	144	238	378	583	804	1125	1532	2010	
	2.2	3	-	41	66	98	163	258	397	548	767	1045	1371	

For Three Phase Motor maximum length of copper cable :

MOTOR RATING			CABLE SIZE IN SQUARE MILLIMETERS												
VOLTS	kW	HP	1.5	2.5	4	6	10	16	25	35	50	70	95	120	
380-415 VOLT 50Hz	0.75	1	437	728	1161	1735	2869	4539	6974	9587					MAXIMUM LENGTH IN METERS
	1.1	1.5	298	496	791	1183	1956	3095	4755	6537	9091				
	1.5	2	219	364	580	867	1435	2269	3487	4794	6667	9016			
	2.2	3	146	243	387	578	956	1513	2325	3196	4445	6010	7824		
	3	4	109	182	290	434	717	1135	1744	2397	3333	4508	5868		
	3.7	5	87	146	232	347	574	908	1395	1917	2667	3606	4694		
	4	5.5	80	132	211	315	522	825	1268	1743	2424	3278	4268		
	4.5	6	73	121	193	289	478	756	1162	1598	2222	3005	3912		
	5.5	7.5	58	97	155	231	383	605	930	1278	1778	2404	3130		
	7.5	10	76	126	201	300	496	785	1207	1659	2307	3119	4061		
	9.3	12.5		101	161	240	397	628	965	1327	1845	2496	3248		
	11	15		84	134	200	331	523	804	1106	1538	2080	2707		
	13	17.5			115	171	284	449	689	948	1318	1783	2320		
	15	20			100	150	248	393	603	829	1153	1560	2030		
	18.5	25				120	199	314	483	663	923	1248	1624		
	22	30				100	165	262	402	553	769	1040	1354		
	26	35					142	224	345	474	659	891	1160	1160	
	30	40					124	196	302	415	577	780	1015	1015	
	37	50						157	241	332	461	624	812	812	
	45	60							201	276	384	520	677	677	
	55	75								221	308	416	541	541	
	75	100									231	312	406	406	
	93	125										250	325	325	

These are maximum length of cable in METERS FROM POWER SOURCE TO MOTOR. Exceeding these lengths will void guarantee.

Crompton

Contents

Crompton

Agricultural Pumps Range

Speciality Pumps Range

Crompton

24 MONTH WARRANTY

"BINA RUKE, 40% TEZ BHARE,,

40% FASTER

ANTI JAM INSERT

ANTI DRIP

ANTI JAM WINDING

ANTI RUST COATING

HY-FLO MAX

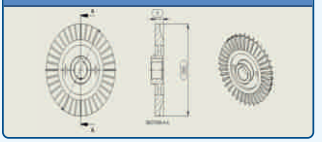
RESIDENTIAL PUMPS EXPLORER

Do you know?

The most common problem of consumer using water pump is slow tank filling speed and frequent failures, that is causing additional expenditure of electricity consumption and service.

Crompton Pump With Hy-Flomax Technology

Big Impeller Size

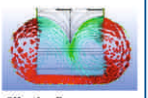


Model Name	Impeller Dimensions			
	OD (mm)	W (mm)	Size OD xW (mm2)	SIZE RATIO %
MINI CREST I	69.6	7.35	511.6	
MASTER PLUS I	75	10.5	787.5	54

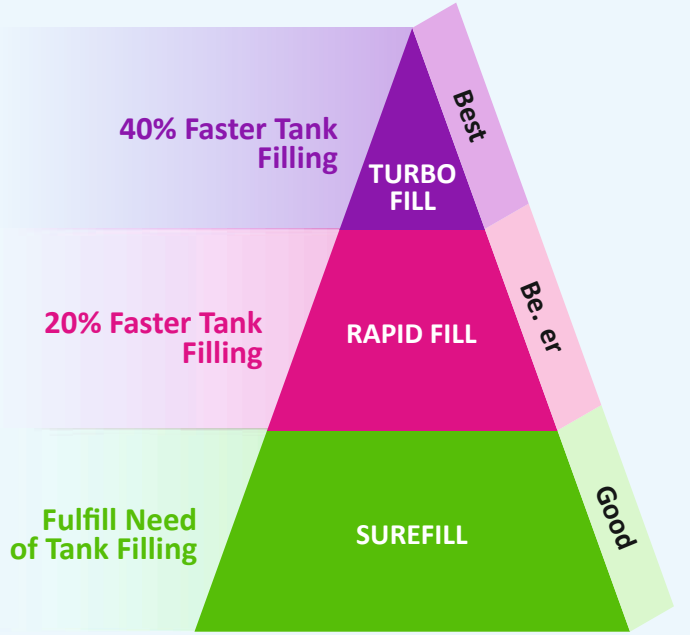
Powerful Motor

80F motor with higher stamping

Unique Hydraulic Design



Effective flow passage



ADDS (Anti Drip from Delivery Side)
Drip proof adaptor for high protection from water dripping

Anti Rust Coating
CED coating offers longer life against corrosion

Anti Jam inserts
SS insert ensures consistent performance & reliability against pump jam

Weatherproof shield
Weatherproof shield safeguards pump from water splashes, sun light & dust.

Anti Jam Winding
High starting torque winding prevents pump jam.

F Class Insulation
High grade F class insulation used for higher reliability

Presenting Crompton Brand Architecture

Crompton

New series of pumps which solves consumer problem of Slow Tank filling, low durability and reliability issues through TURBOFILL, RAPID FILL & SUREFILL of Brand Architecture featured by Plus, Dura & Shield series.

Tank Filling Speed	Plus	Dura	Shield
Turbo Fill	**Master plus** 40% faster Anti jam insert Anti jam winding Anti drip	**Master Dura** 40% faster Anti jam insert Anti rust coating Anti jam winding	**Master Shield** Weatherproof shield 40% faster Anti jam insert Anti jam winding
Rapid Fill	**Star plus** 20% faster Anti jam winding Anti drip Wide voltage design	**Star Dura** 20% faster Anti jam insert Anti rust coating Anti jam winding	**Star Shield** Weatherproof shield 20% faster Anti jam insert Anti jam winding
Sure Fill	**Champ plus** Anti jam winding Anti drip Wide voltage design Thermal overload protection	**Champ Dura** Anti jam insert Anti rust coating Anti jam winding Anti drip	**Champ Shield** Weatherproof shield Anti jam insert Anti jam winding Anti drip
	Plus	Dura	Shield
	Durability Reliability/Features		

To help customers choose wisely, Crompton mini pumps now come in new & interactive packaging where they will get all the insights.

Mini - Turbofill
Self Priming
Regenerative Pumps

40% Faster
40% faster tank filling speed

Anti Jam Inserts
SS insert ensures reliability against pump jam & consistent performance

Anti Jam Winding
High starting torque winding prevents pump jam

F Class Insulation
High grade F class insulation paper used for higher reliability

Anti Rust Coating
CED coating offers longer life against corrosion

ADDS (Drip proof adaptor)
High protection from dripping

High Suction Capacity
Instant Suction, Up to 8.0 meters suction lift

Thermal Overload Protection
Protects winding failure due to high temperature

Technical Specifications:
- 0.5 HP & 1 HP (0.37kW & 0.75kW)
- Rated voltage: 220V
- Voltage range: 180V-260V (1PH)
- Rated Frequency: 50Hz
- Pipe size: 25mm X 25mm
- Max. head: Up to 50 meters
- Max. discharge: Up to 4250 LPH
- Liquid: Clear & Cold Water
- IP 55 Protection: High Protection from water splashing & solid particle

Application:
- Water supply to residential bungalows, garages, flats, dairies, hotels, laundries, club, hospitals, etc.
- Gardening
- Lawn sprinklers
- Ornamental fountains
- Water feeding in solar system
- Booster applications

Performance Table for Turbofill Dura Series

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter							
				6	12	18	24	27	36	42	50
				Discharge in LPH							
*1	MASTER DURA I	0.75/1	25 X 25	4250	3800	3350	2900	2650	1960	1510	900
*2	MASTER DURA II	0.37/0.5	25 X 25	2700	2290	1800	1350	1140	500	-	-

Performance Table for Turbofill Plus Series

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter							
				6	12	18	24	27	36	42	50
				Discharge in LPH							
3	MASTER PLUS I	0.75/1	25 X 25	4250	3800	3350	2900	2650	1960	1510	900
4	MASTER PLUS II	0.37/0.5	25 X 25	2700	2290	1800	1350	1140	500	-	-

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions.
3. * Models are with CED Coating at wetted parts.

Material of Construction:

Sr.No.	PART	MOC
1	Impeller	Forged Brass
2	Adaptor	Cast Iron – IS 210 Grade FG 200
3	Volute	Cast Iron – IS 210 Grade FG 200
4	Insert (Adapter &Volute casing)	Stainless Steel-SS 304
5	Flanges	Cast Iron – IS 210 Grade FG 200
6	Shaft	Stainless Steel-SS 410
7	Motor Body	Aluminum PDC (ADC12)
8	End Shield	Aluminum PDC (ADC12)
9	Mechanical Seal	Carbon Vs Ceramic
10	Fan	PPCP
11	Fan Cover	PPCP
12	Terminal Box cover	PPCP
13	Water Deflector	LDPE
14	Winding	Copper (Main Winding)

Mini - Rapidfill
Self Priming
Regenerative Pumps

Crompton

WARRANTY 18 MONTHS WARRANTY

20% Faster
20% faster tank filling speed

Anti Jam Inserts
SS insert ensures reliability against pump jam & consistent performance

Anti Jam Winding
High starting torque winding prevents pump jam

F Class Insulation
High grade F class insulation paper used for higher reliability

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High protection from dripping

High Suction Capacity
Instant Suction, Up to 8.0 meters suction lift

Thermal Overload Protection
Protects winding failure due to high temperature

Technical Specifications:

- 0.5 HP & 1 HP (0.37kW & 0.75kW)
- Rated voltage: 220V
- Voltage range: 180V-260V (1PH)
- Rated Frequency: 50Hz
- Pipe size: 25mm X 25mm
- Max. head: Up to 45 meters
- Max. discharge: Up to 3350 LPH
- Liquid: Clear & Cold Water

Application:

- Water supply to residential bungalows, garages, flats, dairies, hotels, laundries, club, hospitals. etc.
- Gardening
- Lawn sprinklers
- Ornamental fountains
- Water feeding in solar system
- Booster applications

Performance Table for Rapidfill Dura Series									
Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter					
				6	15	24	30	39	45
				Discharge in LPH					
*1	STAR DURA I	0.75/1	25 X 25	3350	2750	2150	1750	1150	750
*2	STAR DURA II	0.37/0.5	25 X 25	2400	1590	800	300	-	-

Performance Table for Rapidfill Plus Series									
Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter					
				6	15	24	30	39	45
				Discharge in LPH					
3	STAR PLUS I	0.75/1	25 X 25	3350	2750	2150	1750	1150	750
4	STAR PLUS II	0.37/0.5	25 X 25	2400	1590	800	400LPH @28.5m	-	-

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions.
3. * Models are with SS304 insert & CED Coating at wetted parts

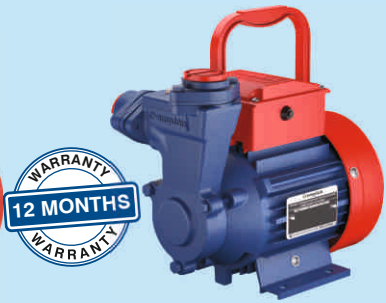
Material of Construction:

Sr.No.	PART	MOC
1	Impeller	Forged Brass
2	Adaptor	Cast Iron – IS 210 Grade FG 200
3	Volute	Cast Iron – IS 210 Grade FG 200
4	Insert (Adapter &Volute casing)	Stainless Steel-SS 304
5	Flanges	Cast Iron – IS 210 Grade FG 200
6	Shaft	Stainless Steel-SS 410
7	Motor Body	Aluminum Extruded (CH10/IE07)
8	End Shield	Aluminum PDC (ADC12)
9	Mechanical Seal	Carbon Vs Ceramic
10	Fan	PPCP
11	Fan Cover	PPCP
12	Terminal Box cover	PPCP
13	Water Deflector	LDPE
14	Winding	Copper (Main Winding)

Mini - Surefill

Self Priming Regenerative Pumps

Crompton



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High protection from dripping

F Class Insulation
High grade F class insulation paper used for higher reliability

Thermal Overload Protection
Protects winding failure due to high temperature

Technical Specifications:

- 0.5 HP & 1 HP (0.37kW & 0.75kW)
- Rated voltage: 220V
- Voltage range: 180V-260V (1PH)
- Rated Frequency: 50Hz
- Pipe size: 25mm X 25mm
- Max. head: Up to 34 meters
- Max. discharge: Up to 2700 LPH
- Liquid : Clear & Cold Water

Application:

- Water supply to residential bungalows, garages, flats, dairies, hotels, laundries, club, hospitals, etc.
- Gardening
- Lawn sprinklers
- Ornamental fountains
- Water feeding in solar system
- Booster applications

Performance Table for Surefill Dura Series

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter				
				6	15	24	30	34
				Discharge in LPH				
*1	CHAMP DURA I	0.75/1	25 X 25	2700	2100	1450	1050	750
*2	CHAMP DURA II	0.37/0.5	25 X 25	1950	1200	450 @ 21 M		-

Performance Table for Surefill Plus Series

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter				
				6	15	24	30	34
				Discharge in LPH				
3	CHAMP PLUS I	0.75/1	25 X 25	2700	2100	1450	1050	750
4	GLORY PLUS I	0.75/1	25 X 25	2700	2100	1450	1050	750
5	SUMO I	0.75/1	25 X 25	2700	2100	1450	1050	750
#6	NILE PLUS I	0.75/1	25 X 25	2700	2100	1450	1050	750
#7	ULTIMO I	0.75/1	25 X 25	2700	2100	1450	1050	750
8	CHAMP PLUS II	0.37/0.5	25 X 25	1950	1200	450 @ 21 M		-
9	GLORY PLUS II	0.37/0.5	25 X 25	1950	1200	450 @ 21 M		-
10	SUMO II	0.37/0.5	25 X 25	1950	1200	450 @ 21 M		-
#11	NILE PLUS II	0.37/0.5	25 X 25	1950	1200	450 @ 21 M		-
#12	ULTIMO II	0.37/0.5	25 X 25	1950	1200	450 @ 21 M		-

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. * Models are with SS insert, CED Coating at wetted parts & 18 months warranty
4. # Models are full Aluminum winding

Material of Construction:

Sr.No.	PART	MOC
1	Impeller	Forged Brass
2	Adaptor	Cast Iron – IS 210 Grade FG 200
3	Volute	Cast Iron – IS 210 Grade FG 200
4	Insert (Adapter &Volute casing)	Stainless Steel-SS 304
5	Flanges	Cast Iron – IS 210 Grade FG 200
6	Shaft	Stainless Steel-SS 410
7	Motor Body	Aluminum Extruded (CH10/IE07)
8	End Shield	Aluminum PDC (ADC12)
9	Mechanical Seal	Carbon Vs Ceramic
10	Fan	PPCP
11	Fan Cover	PPCP
12	Terminal Box cover	PPCP
13	Water Deflector	LDPE
14	Winding	Copper (Main Winding)

Mini Self Priming Regenerative Pumps

Crompton

High Grade Brass Impeller
High quality forged Brass impeller for longer life

Anti Jam Inserts
SS insert ensures reliability against pump jam & consistent performance

Wide Voltage Application
Suitable for wide voltage application: 180-260 V

High Suction Capacity
Instant Suction, Up to 8.0 meters suction lift

F Class Insulation
High grade F class insulation paper used for higher reliability

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:

- Range : 0.125 HP to 2 HP (0.094 kW to 1.5 kW)
- Rated voltage: 220V (1PH) & 415V (3PH)
- Voltage range: 180V-260V (1PH) & 350V-440V (3PH)
- Rated Frequency: 50Hz
- Pipe size: 13mm X 13mm to 32mm X 25mm
- Max. head: Up to 60 meters
- Max. discharge: Up to 4300 LPH
- Liquid : Clear & Cold Water

Application:

- Water supply to residential bungalows, garages, flats, dairies, hotels, laundries, club, hospitals, etc.
- Gardening
- Lawn sprinklers
- Ornamental fountains
- Water feeding in solar system
- Booster applications

Performance Table:

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter				
				20	30	40	50	60
				Discharge in LPH				
**1	EVEREST	1.5/2.0	32 X 25	4300	4100	3500	2650	1600
**2	EVEREST (3PH)	1.5/2.0	32 X 25	4300	4100	3500	2650	1600

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter								
				6	12	15	23	30	39	48	54	60
				Discharge in LPH								
3	MINI XTRAA	1.1/1.5	25 X 25	4200	4100	4050	3700	3300	2700	2050	1500	1000
4	MINI XTRAA (3PH)	1.1/1.5	25 X 25	4200	4100	4050	3700	3300	2700	2050	1500	1000

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter							
				6	12	18	24	27	36	42	55
				Discharge in LPH							
#5	MINI PACIFIC I	0.75/1	25 X 25	4280	3880	3490	3020	2800	2120	1700	700
#6	MINI PACIFIC II	0.37/0.5	25 X 25	2760	2340	1890	1400	1150	640	-	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter							
				6	12	18	24	27	36	42	50
				Discharge in LPH							
#7	MINI MASTERPLUS I	0.75/1	25 X 25	4250	3800	3350	2900	2650	1960	1510	900
#8	MINI NEO I	0.75/1	25 X 25	4250	3800	3350	2900	2650	1960	1510	900
#9	MINI MASTERPLUS II	0.37/0.5	25 X 25	2700	2290	1800	1350	1140	500	-	-
#10	MINI NEO II	0.37/0.5	25 X 25	2700	2290	1800	1350	1140	500	-	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter					
				6	15	24	30	39	48
				Discharge in LPH					
11	MINI MASTER I	0.75/1	25 X 25	4000	3340	2690	2250	1590	950
12	MINI MASTER I (3PH)	0.75/1	25 X 25	4000	3340	2690	2250	1590	950
13	MINI MASTER II	0.37/0.5	25 X 25	2600	1860	1100	600	-	-
14	MINI MASTER II (3PH)	0.37/0.5	25 X 25	2600	1860	1100	600	-	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter					
				6	15	24	30	39	45
				Discharge in LPH					
15	MINI STAR I	0.75/1	25 X 25	3350	2750	2150	1750	1150	750
16	MINI STAR II	0.37/0.5	25 X 25	2400	1590	800	400 @ 28.5 M		-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter				
				6	15	24	30	39
				Discharge in LPH				
17	MINI MARVEL I	0.75/1	25 x 25	3000	2400	1800	1400	750
18	MINI MARVEL II	0.37/0.5	25 X 25	2000	1200	400	-	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter				
				6	15	24	30	36
				Discharge in LPH				
*19	MINI SAMUDRA I	0.75/1	25 X 25	2700	2280	1620	1200	500
*20	MINI SAMUDRA II	0.37/0.5	25 X 25	1830	1200	400	-	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter				
				3	6	12	15	18
				Discharge in LPH				
*21	MINI SAMUDRA III	0.18/0.25	20 X 20	1760	1600	1200	920	400
*22	MINI SAMUDRA IV	0.094/0.125	13 X 13	1600	1440	970	400	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter				
				6	15	24	30	34
				Discharge in LPH				
***23	MINI STRONG I	0.75/1	25 X 25	2700	2100	1500	1100	750
***24	MINI STRONG II	0.37/0.5	25 X 25	1950	1200	450 @ 21 M		-
***25	MINI STRONGPLUS II	0.37/0.5	25 X 25	1950	1200	450 @ 21 M		-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter				
				6	15	24	30	34
				Discharge in LPH				
*26	MINI CREST I	0.75/1	25 X 25	2700	2100	1450	1050	750
*27	MINI CHROME I	0.75/1	25 X 25	2700	2100	1450	1050	750
*28	MINI CREST II	0.37/0.5	25 X 25	1950	1200	450 @ 21 M		-
*29	MINI CHROME II	0.37/0.5	25 X 25	1950	1200	450 @ 21 M		-

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions.
3. MINI PACIFIC Series is provided with with CED Coating at wetted parts.
4. # Models are with SS304 insert
5. * Models are with Extruded Aluminium motor body
6. ** Models are with CI motor body & MS fan cover
7. *** Models are with CI motor body
8. 24 months warranty from date of purchase by consumer for Mini Pacific, Mini Master Plus & Mini Neo
9. 18 months warranty from date of purchase by consumer for Mini Master I & II, Mini Master I & II (3 Phase), Mini Xtraa, Mini Xtraa (3 Phase)& Mini Everest

Material of Construction:

Sr.No.	PART	MOC
1	Impeller	Forged Brass
2	Adaptor	Cast Iron – IS 210 Grade FG 200
3	Volute	Cast Iron – IS 210 Grade FG 200
4	Insert (Adapter &Volute casing)	Stainless Steel-SS 304
5	Flanges	Cast Iron – IS 210 Grade FG 200
6	Shaft	Stainless Steel-SS 410
7	Motor Body	Aluminum PDC (ADC12)/Aluminum Extruded (CH10/IE07)/Cast Iron-IS210 Grade FG 200
8	End Shield	Aluminum PDC (ADC12)
9	End Shield - EVEREST & MINI EVEREST Series	Cast Iron-IS210 Grade FG 200
10	Mechanical Seal	Carbon Vs Ceramic
11	Fan	PPCP
12	Fan Cover	PPCP/MS
13	Terminal Box with cover	PPCP
14	Water Deflector	LDPE
15	Winding	Copper

WARRANTY 12 MONTHS WARRANTY

High Suction Capacity
Instant suction, Up to 8.0 meters suction lift

Wide Voltage Application
Suitable for wide voltage application: 180-260 V

High Grade Stainless Steel Parts
SS304 suction & delivery casing for stuck free rust free operation

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

High Grade Brass Impeller
High quality forged Brass impeller for longer life

Technical Specifications:
- Range: 0.5 HP to 1.5 HP (0.37 kW to 1.1 kW)
- Rated Voltage: 220V
- Voltage Range: 180V - 260V (1PH)
- Rated Frequency: 50Hz
- Pipe Size: 13mm X 13mm & 25mm X 25mm
- Max. head: Up to 45 Meters.
- Max. Discharge: Up to 3360LPH.
- Liquid: Clear & Cold Water

Application:
- Water supply to residential bungalows, garages, flats, dairies, hotels, laundries, club, hospitals, etc.
- Gardening
- Lawn sprinklers
- Ornamental fountains
- Water feeding in solar system
- Booster applications

Performance Table:

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter							
				6	12	18	27	33	36	42	45
				Discharge in LPH							
1	AQUAGOLD 150	1.1/1.5	25 X 25	3360	3010	2745	2320	1985	1775	1225	720

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter							
				6	12	18	21	27	30	33	36
				Discharge in LPH							
2	AQUAGOLD 100	0.75/1.0	25 X 25	2150	1850	1550	1400	1050	850	650	400
3	AQUAGOLD 75	0.55/0.75	25 X 25	1900	1650	1400	1250	950	800	-	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter						
				6	12	18	21	27	30	33
				Discharge in LPH						
4	AQUAGOLD 100-33	0.75/1.0	25 X 25	1950	1750	1500	1360	1045	860	500
5	AQUAGOLD 50-30	0.37/0.5	15 X 15	1700	1500	1250	1080	650	150	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter				
				6	12	18	21	23
				Discharge in LPH				
6	AQUAGOLD 50-23	0.37/0.5	13 X 13	1300	1100	800	550	250

Note:

1. The motor ratings in HP are only indicative and for reference purpose.
2. Performance indicators above are as per rated conditions

Material of Construction:

SR. NO.	PART	MOC
1	Impeller	Brass
2	Suction/delivery chamber	Cast Iron-IS210 Grade FG 200
3	Suction/delivery casing	Stainless Steel-SS304
4	Shaft	Stainless Steel-SS410
5	Motor body	Aluminium Extruded-HE9 Grade
6	End cover	Aluminium PDC-ADC12 Grade
7	End cover - Aquagold 150	Cast Iron-IS210 Grade FG 200
8	Fan	PPCP
9	Fan cover	PPCP
10	Winding	Copper
11	Flanges	Cast Iron-IS210 Grade FG 200

Crompton

Flomax Series
Self Priming
Regenerative Pumps

Anti Jam Winding
High starting torque winding prevents pump jam

High Suction Capacity
Instant suction, Up to 8.0 meters suction lift

Wide Voltage Application
Suitable for wide voltage application: 180-260 V

High Grade Brass Impeller
High quality forged Brass impeller for longer life

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:
- Range : 0.5 HP & 1 HP (0.37 kW to 0.75 Kw)
- Rated voltage: 220V
- Voltage range: 180V-260V (1PH)
- Rated Frequency: 50Hz
- Pipe size: 25mm X 25mm
- Max. head: Up to 42 meters
- Max. discharge: Up to 3000 LPH
- Liquid : Clear & Cold Water

Application:
- Water supply to residential bungalows, garages, flats, dairies, hotels, laundries, club, hospitals, etc.
- Gardening
- Lawn sprinklers
- Ornamental fountains
- Water feeding in solar system
- Booster applications

Performance Table for FLOWMAX PLUS Series

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter						
				6	12	18	24	30	36	42
				Discharge in LPH						
1	FLOMAX PLUS I	0.75/1.0	25 X 25	2700	2490	2200	1860	1480	1015	500

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter								
				6	9	12	15	18	21	24	27	30
				Discharge in LPH								
2	FLOMAX PLUS II	0.37/0.5	25 X 25	3000	2675	2350	2050	1750	1425	1100	800	500

Performance Table for FLOWMAX Series

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter						
				6	12	18	24	30	36	42
				Discharge in LPH						
3	MINI FLOMAX I	0.75/1.0	25 X 25	2700	2490	2200	1860	1480	1015	500

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter								
				6	9	12	15	18	21	24	27	30
				Discharge in LPH								
4	FLOMAX II	0.37/0.5	25 X 25	3000	2675	2350	2050	1750	1425	1100	800	500

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions.
3. FLOWMAX PLUS series is with high torque winding.

Material of Construction:

SR. NO.	PART	MOC
1	Impeller	Forged Brass
2	Adaptor	Cast Iron – IS 210 Grade FG 200
3	Volute Casing, Flanges	Cast Iron – IS 210 Grade FG 200
4	Shaft	Stainless Steel-SS 410
5	Motor Body	Aluminium Extruded (CH10/ IE07)
6	End Shield	Aluminium PDC (ADC12)
7	Mechanical Seal	Carbon Ceramic
8	Fan	PPCP
9	Fan Cover	PPCP
10	Terminal Box with cover	PPCP
11	Water Deflector	LDPE
12	Fasteners	MS 4.2 Grade
13	Winding	Copper
14	Winding (FLOWMAX PLUS Series)	Copper (Main Winding)

DMB / CMB Series
Self Priming
Regenerative Pumps

Crompton

High Suction Capacity
Instant Suction, Up to 8.0 meters suction lift

Wide Voltage Application
Suitable for wide voltage application: 180-260 V

Reliable Mechanical Seal
High quality and long life mechanical seal

F Class Insulation
High grade F class insulation paper used for higher reliability

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:

- Range: 0.5 HP to 3.0 HP (0.37kW to 2.2kW)
- Rated voltage: 220V for 1PH & 415V for 3PH
- Voltage range: 180V-260V for 1PH & 350V-440V for 3PH
- Rated Frequency: 50Hz
- Pipe size: 25mm X 25mm & 40mm X 40mm
- Max. head: up to 55 meters
- Max. discharge: up to 11700 LPH
- Speed: 1450 RPM

Application:

- Water supply to residential bungalows, garages, flats, dairies, hotels, laundries, club, hospitals, etc.
- Gardening
- Lawn sprinklers
- Ornamental fountains
- Water feeding in solar system
- Booster applications

Performance Table for DMB Series:

Sr. No.	Rating	Motor	Pipe Size mm	RPM	Head in Meter							
					6	9	18	21	27	30	36	45
		kW/HP			Discharge in LPH							
1	DMB05DG	0.37/0.5	25 X 25	1450	2860	2650	1940	1650	-	-	-	-
2	DMB10DCSL	0.75/1.0	25 X 25	1450	-	-	2800	2540	2080	1860	1440	880
3	DMB10ACSL											
$4	DMB10DGL(3PH)	0.75/1.0	25 X 25	1450	-	-	2800	2540	2080	1860	1440	880
$5	DMB30	2.2/3.0	40 X 40	1450	-	11700	9600	8800	7200	6500	4900	960

Sr. No.	Rating	Motor	Pipe Size mm	RPM	Head in Meter					
					10	20	30	40	50	55
		kW/HP			Discharge in LPH					
* 6	DMTJ24	1.5/2.0	40 X 40	1450	6000	5000	4000	3000	1900	1500

Performance Table for CMB Series:

Sr. No.	Rating	Motor	Pipe Size mm	RPM	Head in Meter							
					6	12	18	21	24	27	33	39
		kW/HP			Discharge in LPH							
1	CMB05N	0.37/0.5	25 X 25	1450	3240	2610	1950	1650	1320	-	-	-
2	CMB05NV											
3	CMB10N	0.75/1.0	25 X 25	1450	4080	3660	3060	2760	2520	2280	1680	1200
4	CMB10NV											

Sr. No.	Rating	Motor	Pipe Size mm	RPM	Head in Meter							
					5	10	15	20	25	30	35	40
		kW/HP			Discharge in LPH							
5	CMB052SV	0.37/0.5	25 X 25	2880	2470	2000	1750	1500	1230	950	700	400

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. * Model is with two stages
4. $ Models are in 3PH

Material of Construction:

SR. NO.	PART	MOC
1	Impeller - CMB & DMTJ	Brass
2	Impeller - DMB	Stainless Steel - SS410
3	Suction / Delivery Chamber	Cast Iron - IS 210 Grade FG 200
4	Suction / Delivery Casing	Cast Iron - IS210 Grade FG 200
5	Motor Body - DMB10D	MS Sheet Metal
6	Motor Body - DMB10A	Aluminium PDC-ADC12 Grade
7	Motor Body - CMB & DMTJ	Cast Iron - IS 210 Grade FG 200
8	Shaft	Stainless Steel - SS410
9	End Shield	Cast Iron - IS 210 Grade FG 200
10	Fan	PPCP
11	Fan Cover - DMB, DMTJ, CMBNV	MS Sheet Metal
12	Fan Cover - CMBN	Cast Iron - IS210 Grade FG 200
13	Winding	Copper

SWJ / TWJ Series
Self Priming Shallow
Well Jet Pumps

Crompton

WARRANTY 12 MONTHS WARRANTY

High Suction Capacity
Instant Suction, Up to 8.0 meters suction lift

Wide Voltage Application
Suitable for wide voltage application: 180-260 V

Anti Jam Winding
High starting torque winding prevents pump jam

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:
- Range : 0.5 HP to 1.5 HP (0.37 kW to 1.1 kW)
- Rated voltage: 220V
- Voltage range: 180V-260V
- Rated Frequency: 50Hz
- Pipe size: 25mm X 25mm
- Max. head: Up to 44 meter
- Max. discharge: Up to 60 LPM
- Liquid : Clear & Cold Water

Application:
- Water supply to residential bungalows, garages, flats, dairies, hotels, laundries, club, hospitals, etc.
- Gardening
- Lawn sprinklers
- Ornamental fountains
- Water feeding in solar system
- Booster applications

Performance Table for SWJ PLUS series

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter					
				12	21	24	27	30	36
				Discharge in LPM					
*1	SWJ50A-30 PLUS	0.37/0.5	25 X 25	50	33	24	16	9	-
2	SWJ50AT-30 PLUS	0.37/0.5	25 X 25	50	33	24	16	9	-
3	SWJ100A-36 PLUS	0.75/1.0	25 X 25	-	-	46	36	27	9
4	SWJ100AT-36 PLUS	0.75/1.0	25 X 25	-	-	46	36	27	9

Performance Table for SWJ series

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter						
				6	9	12	21	24	27	30
				Discharge in LPM						
*5	SWJ50A-30	0.37/0.5	25 X 25	-	-	50	33	24	16	9
*6	SWJ05MINI	0.37/0.5	25 X 25	44	39	33	12	7	-	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter				
				21	24	27	30	36
				Discharge in LPM				
7	SWJ100A-36	0.75/1.0	25 X 25	-	46	36	27	9
8	SWJ1	0.75/1.0	25 X 25	51	50	46	36	15
9	SWJ1A-36	0.75/1.0	25 X 25	51	50	46	36	15
*10	SWJ1SSA-36	0.75/1.0	25 X 25	51	50	46	36	15

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter				
				26	30	34	38	42
				Discharge in LPM				
11	SWJ150A-42	1.1/1.5	25 X 25	38	33	26	18	10

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	No. Of Stages	Head in Meter						
					24	28	30	32	34	36	44
					Discharge in LPM						
*12	TWJ1SS	0.75/1.0	25 X 25	2	60	54	50	46	42	36	10

Note:

1) The motor ratings in HP are only indicative and for reference purpose
2) Performance indicators above are as per rated conditions
3. SWJ PLUS series is with high torque winding
4. * Models are with noryl impeller

Material of Construction:

Sr.No.	PART	MOC
1	Fan Cover	PPCP/Mild Steel
2	End Cover	Aluminium PDC
3	Adaptor	Cast Iron – Grade FG 200
4	Impeller	Noryl/Stainless Steel - SS410/CI
5	Diffuser	Noryl/CI
6	Motor Body	Aluminium (LM2)
7	Shaft	Stainless Steel - SS410
8	Nozzle & Venturi	Noryl
9	Fan	PPCP
10	Winding	Copper
11	Winding-SWJ PLUS Series	Copper (Main Winding)

Centrifugal Deep Well Jet Pumps

Crompton

Dynamically Balanced Rotating Parts
Minimum vibrations protect components from damage during operation

High Grade Stainless Steel
Pure stainless steel construction resists corrosion and withstands tough operating conditions

Reliable Mechanical Seal
High quality and long life mechanical seal

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:

- Range: 0.5 HP to 2.0HP (0.37 kW to 1.5 kW)
- Rated voltage: 220V for 1 PH
- Voltage range: 180V-240V
- Rated Frequency: 50Hz
- Borewell size: Suitable for 80 mm and above
- Suction lift: Upto 90 meter DLWL (Jet Setting Depth)
- Capacity: Upto 2800 LPH
- Type: Twin and Packer type design
- Installation: Vertical or horizontal
- Liquid: Clear water

Application:

- Lawn sprinklers
- Residential/commercial buildings
- Water supply systems
- Lifting water from well, borewell to houses

Performance Table:

Sr. No.	Rating	Motor	Min. Clear Borewell Dia In mm	Pipe Connections In mm			Operating Pressure in kg/ sq. Cm (meter)
		kw/HP		Suction	Pressure	Delivery	
$1	JPE12	0.75/1.0	100	32	25	25	1.6 (16)
2	JPE12V	0.75/1.0	100	32	25	25	1.6 (16)
$3	JM12H	0.75/1.0	100	32	25	25	1.6 (16)
$4	JH12L	0.75/1.0	115	40	32	25	1.6 (16)
#5	JCP12	0.75/1.0	80	40	32	25	1.6 (16)
#6	JCP12A	0.75/1.0	80	32	25	25	1.6 (16)

Sr. No.	Rating	DLWL In Meters							
		9	15	21	24	27	30	36	40
		Discharge in LPH							
$1	JPE12	1800	1560	1080	910	780	660	460	360
2	JPE12V	1800	1560	1080	910	780	660	460	360
$3	JM12H	-	1350	970	930	800	680	430	300
$4	JH12L	2800	2240	1570	1230	1000	-	-	-
#5	JCP12	2000	1400	790	640	500	-	-	-
#6	JCP12A	1700	1200	660	520	400	-	-	-

Sr. No.	Rating	Motor	Min. Clear Borewell Dia In mm	Pipe Connections In mm			Operating Pressure in kg/ sq. Cm (meter)
		kw/HP		Suction	Pressure	Delivery	
$7	JCTM12	0.75/1.0	100	32	25	25	1.6(16)
8	JCTM12V	0.75/1.0	100	32	25	25	1.6(16)
*9	JPM1V	0.75/1.0	100	32	25	25	1.6(16)
10	JCTH12L	0.75/1.0	115	40	32	25	1.4(14)

Sr. No.	Rating	DLWL In Meters					
		15	21	24	27	30	33
		Discharge in LPH					
$7	JCTM12	1450	1200	940	800	620	460
8	JCTM12V	1450	1200	940	800	620	460
*9	JPM1V	1480	1260	1060	910	700	520
10	JCTH12L	1468	1240	1020	800	640	480

Sr. No.	Rating	Motor	Min. Clear Borewell Dia In mm	Pipe Connections In mm			Operating Pressure in kg/ sq. Cm (meter)
		kw/HP		Suction	Pressure	Delivery	
*11	TJM12 PLUS	0.75/1.0	100	32	25	25	1.8 (18)
12	JCTM1.52BH	1.1/1.5	100	32	25	25	2.7(27)

Sr. No.	Rating	DLWL In Meters									
		9	15	21	24	27	30	36	39	45	50
		Discharge in LPH									
*11	TJM12 PLUS	-	-	-	-	-	790	630	540	400	280
12	JCTM1.52BH	740	680	630	580	510	430	320	310@40M		-

Sr. No.	Rating	Motor	Min. Clear Borewell Dia In mm	Pipe Connections In mm			Operating Pressure in kg/ sq. Cm (meter)
		kw/HP		Suction	Pressure	Delivery	
*13	JME12(1PH)A-55	0.75/1.0	100	32	25	25	3.5(35)

Sr. No.	Rating	No of stages	DLWL In Meters				
			35	40	45	50	55
			Discharge in LPH				
*13	JME12(1PH)A-55	4	560	470	405	330	270

Sr. No.	Rating	Motor	Min. Clear Borewell Dia In mm	Pipe Connections In mm			Operating Pressure in kg/ sq. Cm (meter)
		kw/HP		Suction	Pressure	Delivery	
*14	JME1.52(1PH)A-75	1.1/1.5	100	32	25	25	4.2(42)
*15	JME22(1PH)A-90	1.5/2.0	100	32	25	25	5.4(54)

Sr. No.	Rating	No of stages	DLWL In Meters								
			50	55	60	65	70	75	80	85	90
			Discharge in LPH								
*14	JME1.52(1PH)A-75	6	580	540	470	400	325	200	-	-	-
*15	JME22(1PH)A-90	8	-	-	560	540	470	370	320	240	140

Note:

1) The motor ratings in HP are only indicative and for reference purpose
2) Performance indicators above are as per rated conditions
3) # Models are with Packer type design & SS Impeller
4) DLWL - Depth to low water level
5) * Models are Aluminium motor body
6) $ Models are with SS Impeller

Material of Construction:

Sr. No.	Part	Material
1	Fan	Polypropylene
2	Cowl	Mild Steel
3	Endcover (NDE) & Adaptor (DE)	Cast Iron Gr. FG 200
4	Impeller	Stainless Steel - SS410/Noryl
5	Impeller - JCTM1.52BH	Gun Metal
6	Volute Casing	Cast Iron Gr. FG 200
7	Volute Casing - TJM Series & JME Series	Stainless Steel
8	Diffuser - TJM Series	Noryl
9	Diffuser - JME Series	Noryl+CI
10	Motor Body	Aluminium
11	Motor Body - JCTM12/JCTM12V, JCTH12L, JCTM1.52BH	MS
12	Shaft	SS410/EN-8
13	Rotor	Aluminium
14	Nozzel and Venturi	Nylon
15	Fasteners	MS/SS
16	Winding	Copper

3W Series
Borewell Submersible
Water filled Pumps

Crompton

WARRANTY 12 MONTHS WARRANTY

In Built Check Valve
In built check valve prevents pump parts from damage due to sudden back pressure

High Quality Noryl
High quality virgin noryl components give longer life

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

Dynamically Balanced Rotating Parts
Minimum vibrations protect components from damage during operation

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:
- Range: 0.5 HP to 1.5 HP (0.37 kW to 1.1 kW)
- Rated voltage: 220V for 1PH
- Voltage range: 160V-240V
- Rated Frequency: 50Hz
- Delivery pipe size: 32 mm
- Max. Head: Upto 130 meter
- Max. Discharge: Upto 75 LPM
- Liquid: Clear water
- Motor type: Water filled motor

Application:
- Gardening
- Sprinkler irrigation
- Multistoried buildings
- Water supply for industrial
- Drip irrigation
- Construction sites
- Farm Houses

Performance Table

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM							
					10	20	30	40	50	60	70	90
					Head In Meter							
1	3W10AK1A	10	0.75/1.0	32	42	40	38	35	31	25	75@15m	-
2	3W10AN1D	10	0.75/1.0	32	44	40	35	29	21	12	-	-
3	3W10RD1C	10	0.75/1.0	32	42	40	38	35	31	25	15	-
4	3W10AP1D	10	0.75/1.0	32	45	43	40	38	34	30	25	13
5	3W12AP1D	12	0.75/1.0	32	52	50	47	44	40	36	30	15
6	3W12AK1A	12	0.75/1.0	32	50	46.5	44	40	35	30	75@19m	-
7	3W12RD1C	12	0.75/1.0	32	50	46.5	44	40	35	30	19	-
8	3W13AN1D	13	0.75/1.0	32	55	50	43	36	26	15	-	-
9	3W15AM1D	15	0.75/1.0	32	60	54	48	40	30	18	-	-
10	3W16AL1A	16	0.75/1.0	32	64	58	50	36	23	10	-	-
11	3W18AL1A	18	0.75/1.0	32	71	63	54	40	27	13	-	-

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					10	20	25	35	40	45	50
					Head In Meter						
12	3W20AG1D	20	0.75/1.0	32	75	67	62	50	42	34	26
13	3W26AG1.25D	26	0.93/1.25	32	98	87	81	65	55	44	34
14	3W30AG1.5D	30	1.1/1.5	32	114	101	93	75	63	51	39
15	3W38AG1.5D	38	1.1/1.5	32	130	118	108	85	72	58	40

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					10	25	40	50	55	60	65
					Head In Meter						
16	3W20AJ1.25D	20	0.93/1.25	32	68	60	50	43	38	33	26
17	3W25AJ1.5D	25	1.1/1.5	32	84	78	63	53	47	41	33

Motor	Water Filled			
kW/HP	Control Panel	MCB (A)	Start Cap (mfd)	Run Cap (mfd)
0.75/1.0	NDCP1.0-CQ/CDCP1.0-CQ	10	100-120	50
0.93/1.25	NDCP1.0-CQ/CDCP1.0-CQ	10	100-120	50
1.1/1.5	NDCP1.5-DS/CDCP1.5-DS	13	120-150	72

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions

Material of Construction:

Sr.No.	PART	MOC
1	Bowl	Noryl
2	Impeller	Noryl
3	Pump Shaft	Stainless Steel–SS410
4	NRV	Cast Iron Grade FG 200
5	Suction Housing	Cast Iron Grade FG 200
6	Motor body	Stainless Steel–SS202
7	Upper Housing, Motor Base, Lower Housing	Cast Iron Grade FG 200
8	Bush	Bronze LTB-4
9	Fastener	Stainless Steel–SS410
10	Strainer	Stainless Steel–SS202
11	Sealing	Oil Seal
12	Thrust Bearing	SS Vs Carbon / Zytel
13	Winding	Polywrap Copper

4W Series
Borewell Submersible
Water filled Pumps

Crompton

WARRANTY 12 MONTHS WARRANTY

In Built Check Valve
In built check valve prevents pump parts from damage due to sudden back pressure

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

High Quality Noryl
High quality virgin noryl components give longer life

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

Dynamically Balanced Rotating Parts
Minimum vibrations protect components from damage during operation

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:

- Range: 0.5 HP to 2.0 HP (0.37 kW to 1.5 kW)
- Rated voltage: 220V for 1PH & 415V for 3PH
- Voltage range: 160V-240V for 1PH & 350V-440V for 3PH
- Rated Frequency: 50Hz
- Delivery pipe size: 32 mm to 50 mm
- Max. Head: Upto 200 meter
- Max. Discharge: Upto 150 LPM
- Liquid: Clear water
- Motor type: Water filled motor

Application:

- Gardening
- Sprinkler irrigation
- Multistoried buildings
- Water supply for industrial
- Drip irrigation
- Construction sites
- Farm Houses

Performance Table

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					10	15	20	25	30	35	40
					Head In Meter						
1	4W8AV0.5A	8	0.37/0.5	32	51	50	47	42	36	31	27
2	4W9AV0.75A	9	0.55/0.75	32	57	54	51	46	40	34	30
3	4W11AV0.75A	11	0.55/0.75	32	68	64	60	55	49	42	35
4	4W11AV1A	11	0.75/1.0	32	72	68	64	58	51	45	35
5	4W14AV1A	14	0.75/1.0	32	91	84	77	70	61	52	42
6	4W16AV1A	16	0.75/1.0	32	100	93	86	78	71	62	50
7	4W18AV1A	18	0.75/1.0	32	110	102	94	84	76	54	30
8	4W21AV1A	21	0.75/1.0	32	122	114	106	96	84	60	35
9	4W25AV1.5A	25	1.1/1.5	32	150	140	130	117	105	75	40
10	4W32AV2A	32	1.5/2.0	32	200	190	180	165	150	110	60

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					10	15	20	25	30	35	40
					Head In Meter						
11	4W18K1.5J-VX	18	1.1/1.5	32	121	112	105	97	87	76	64
12	4W20K1.5J-VX	20	1.1/1.5	32	134	124	117	108	97	84	71
13	4W22K2J-VX	22	1.5/2.0	32	149	138	128	118	106	94	78

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM					
					10	20	30	40	50	60
					Head In Meter					
14	4W27L2J-VX	27	1.5/2.0	40	166	151	132	108	81	55

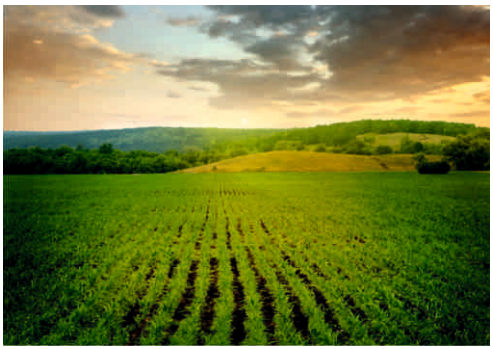
Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					20	30	40	50	60	70	90
					Head In Meter						
15	4W6RL1C	6	0.75/1.0	32	47	42	39	36	33	27	15

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM					
					10	20	30	50	70	100
					Head In Meter					
16	4W9B1.5J-VX	9	1.1/1.5	32	73	63	60	54	47	26
17	4W15B2J-VX	15	1.5/2.0	40	-	-	96	85	71	41

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM					
					20	40	50	70	90	100
					Head In Meter					
18	4W12BF1.5E/ 4W12BF1.5E-40	12	1.1/1.5	32/40	74	65	60	46	26	16
19	4W14BF1.5E/ 4W14BF1.5E-40	14	1.1/1.5	32/40	84	75	66	52	30	95@25M
20	4W16BF1.5E/ 4W16BF1.5E-40	16	1.1/1.5	32/40	94	84	76	57	33	95@26M
21	4W18BF1.5E/ 4W18BF1.5E-40	18	1.1/1.5	32/40	110	100	95	80	60	15
22	4W14BF2E/ 4W14BF2E-40	14	1.5/2.0	32/40	88	76	70	53	32	20
23	4W18BF2E/ 4W18BF2E-40	18	1.5/2.0	32/40	110	98	90	68	40	95@30M
24	4W20BF2E/ 4W20BF2E-40	20	1.5/2.0	32/40	118	105	98	72	42	95@35M

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM				
					30	50	70	100	140
					Head In Meter				
25	4W10C2J-50-VX	10	1.5/2.0	50	61	58	55	44	23
26	4W12C2J-50-VX	12	1.5/2.0	50	73	70	65	53	28
*27	4W12C2TPJ-50-VX	12	1.5/2.0	50	73	70	65	53	28
28	4W14C2J-VX	14	1.5/2.0	40	85	80	74	62	32
*29	4W14C2TPJ-VX	14	1.5/2.0	40	85	80	74	62	32

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM					
					10	15	20	25	30	40
					Head In Meter					
30	4W40BT2D	40	1.5/2.0	32	230	220	205	183	156	92



Performance Table for 4W Ultima Series

Sr. No.	Rating	No. Of Stages	Motor	Pipe Size mm	Discharge in LPM						
			kW/HP		0	10	20	40	65	80	100
					Head In Meter						
1	4W7BU1AU / 4W7BU1AU-40	7	0.75/1.0	32/40	42	40	38	36	30	24	15
2	4W7BU1EU/ 4W7BU1EU-40	7	0.75/1.0	32/40	42	40	38	36	30	24	15
3	4W8BU1AU / 4W8BU1AU-40	8	0.75/1.0	32/40	47	45	42	39	35	28	16
4	4W8BU1EU/ 4W8BU1EU-40	8	0.75/1.0	32/40	47	45	42	39	35	28	16
5	4W10BU1AU / 4W10BU1AU-40/ 4W10BU1AUFS	10	0.75/1.0	32/40	57	56	53	50	40	33	20
6	4W10BU1EU/ 4W10BU1EU-40	10	0.75/1.0	32/40	57	56	53	50	40	33	20
7	4W12BU1EU/ 4W12BU1EU-40	12	0.75/1.0	32/40	70	67	64	60	48	40	24
8	4W12BU1.5EU/ 4W12BU1.5EU-40	12	1.1/1.5	32/40	71	68	65	61	49	41	25
9	4W14BU1.5EU/ 4W14BU1.5EU-40	14	1.1/1.5	32/40	81	78	74	70	56	46	28
10	4W16BU1.5EU/ 4W16BU1.5EU-40	16	1.1/1.5	32/40	93	89	85	80	64	53	30
11	4W18BU1.5EU/ 4W18BU1.5EU-40	18	1.1/1.5	32/40	105	101	95	90	72	59	36
12	4W20BU1.5EU/ 4W20BU1.5EU-40	20	1.1/1.5	32/40	116	112	106	100	80	66	40
13	4W14BU2EU/ 4W14BU2EU-40	14	1.5/2.0	32/40	82	79	76	71	57	47	29
14	4W16BU2EU/ 4W16BU2EU-40	16	1.5/2.0	32/40	94	91	86	81	65	54	33
15	4W18BU2EU/ 4W18BU2EU-40	18	1.5/2.0	32/40	106	102	96	91	73	60	37
16	4W20BU2EU/ 4W20BU2EU-40	20	1.5/2.0	32/40	117	113	107	101	81	67	41
17	4W22BU2EU/ 4W22BU2EU-40	22	1.5/2.0	32/40	120	116	112	104	85	66	33
18	4W25BU2EU/ 4W25BU2EU-40	25	1.5/2.0	32/40	136	130	127	115	96	75	37
19	4W27BU2EU/ 4W27BU2EU-40	27	1.5/2.0	32/40	144	138	133	119	97	61	20
20	4W30BU2EU/ 4W30BU2EU-40	30	1.5/2.0	32/40	160	152	148	132	102	74	22

Performance Table for 4W Magna Series

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM							
					0	10	20	40	55	65	80	100
					Head In Meter							
1	4W7BV1AU/ 4W7BV1AU-40	7	0.75/1.0	32/40	48	45	43	38	34	30	24	15
2	4W7BW1DM/ 4W7BW1DM-40	7	0.75/1.0	32/40	59	56	54	49	42	36	25	10
3	4W8BV1AU/ 4W8BV1AU-40	8	0.75/1.0	32/40	54	51	50	43	38	35	30	18
4	4WM8BW1DFS/ 4WM8BW1D-40FS	8	0.75/1.0	32/40	67	64	62	56	48	41	28	9
5	4W10BV1AU/ 4W10BV1AU-40/ 4W10BV1AUFS	10	0.75/1.0	32/40	67	64	62	53	49	42	34	20
6	4WM10BW1DFS/ 4WM10BW1D-40FS	10	0.75/1.0	32/40	82	78	75	67	54	46	32	10

Motor	Water Filled			
kW/HP	Control Panel	MCB (A)	Start Cap (mfd)	Run Cap (mfd)
0.37/0.5	NDCP0.5-BP/CDCP0.5-BP	6	80-100	36
0.55/0.75	NDCP0.75-BQ/CDCP0.75-BQ	8	80-100	50
0.75/1.0	NDCP1.0-CQ/CDCP1.0-CQ	10	100-120	50
1.1/1.5	NDCP1.5-DS/CDCP1.5-DS/ ARMOR1.5-DSR	13	120-150	72
1.5/2.0	NDCP2-ET/CDCP2-ET/ ARMOR-2.2-ETU	16	150-200	100
1.5/2.0	DCP2-NS(I)/ADCP2-NS(I)	25	36+36	9-14

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. * 3PH models

Material of Construction:

Sr.No.	PART	MOC
1	Diffuser	Noryl
2	Impeller	Noryl
3	Pump Shaft	Stainless Steel-SS410
4	NRV Body	Cast Iron-Grade FG 200
5	Motor Body	Stainless Steel-SS202
6	Pump Jacket	Stainless Steel-SS202
7	Upper Housing, Motor Base, Lower Housing	Cast Iron-Grade FG 200
8	Bush	Bronze LTB-4
9	Motor Shaft	Stainless Steel-SS410
10	Thrust Bearing	SS Vs Carbon
11	Strainer	Stainless Steel-SS202
12	Fastener	Stainless Steel-SS410
13	Sealing	Oil seal
14	Winding	Polywrap Copper

Crompton

3VO / 4VO Series
Borewell Submersible
Oil filled Pumps

WARRANTY
12 MONTHS
WARRANTY

Anti Rust Coating
CED coating offers long life against corrosion

Reliable Mechanical Seal
High quality and long life mechanical seal

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

High Quality Noryl
High quality virgin noryl components give longer life

Dynamically Balanced Rotating Parts
Minimum vibrations protect components from damage during operation

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:
- Range: 0.5 HP to 2.0 HP (0.37 kW to 1.5 kW)
- Rated voltage: 220V 1-Phase
- Voltage range: 160V-240V
- Rated Frequency: 50Hz
- Delivery pipe size: 32 mm & 40 mm
- Max. Head: Upto 132 meter
- Max. Discharge: Upto 250 LPM
- Liquid: Clear water
- Motor type: Oil filled motor

Application:
- Gardening
- Sprinkler irrigation
- Multistoried buildings
- Water supply for domestic and industrial application
- Drip irrigation
- Construction site

Performance Table: 3VO Series

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM							
					10	20	30	40	50	60	70	80
					Head In Meter							
1	3VO10RC1	10	0.75/1.0	32	-	45	42	40	37	32	26	17
2	3VO12RC1	12	0.75/1.0	32	-	54	50	48	44	38	31	20
3	3VO25RA1	25	0.75/1.0	32	68	60	45	28	12	-	-	-
4	3VO36RA1.25	36	0.93/1.25	32	87	86	63	40	18	-	-	-

Control Panel: 3VO Series

Motor	Oil Filled		
kW/HP	Control Panel	OLP/ MCB (A)	Run Cap (mfd)
0.75/1.0	NODCP1-NP/CODCP1-ZP*	8	36
0.93/1.25	NODCP1-NP/CODCP1-ZP*	8	36

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. *Models with Start Capacitor 40-60 mfd and witout contactor

Performance Table: 4VO Series

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					10	20	30	40	60	80	90
					Head In Meter						
1	4VO8RE0.5	8	0.37/0.5	32	42	33	31	20	-	-	-
2	4VO14RE0.75	14	0.55/0.75	32	74	67	55	35	-	-	-
3	4VO14RI1	14	0.75/1.0	32	90	79	65	47	-	-	-
4	4VO16RI1	16	0.75/1.0	32	103	91	75	53	-	-	-
5	4VO18RE1	18	0.75/1.0	32	95	86	70	45	-	-	-
6	4VO21RE1	21	0.75/1.0	32	111	101	82	52	-	-	-
7	4VO12RC1.5	12	1.1/1.5	32	-	68	65	62	50	35	23
8	4VO14RC1.5	14	1.1/1.5	32	-	78	76	73	63	56	42
9	4VO18RI1.5	18	1.1/1.5	32	116	102	83	60	-	-	-
10	4VO25RE1.5	25	1.1/1.5	32	132	120	100	62	-	-	-
11	4VO18RC2	18	1.5/2.0	32	-	101	97	94	81	63	54

Performance table for 4VO Ultima Series

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					0	10	20	40	65	80	100
					Head In Meter						
1	4VO7BU1EU/ 4VO7BU1EU-40/	7	0.75/1.0	32/40	42	39	36	33	30	24	14
2	4VO8BU1EU/ 4VO8BU1EU-40/	8	0.75/1.0	32/40	47	45	42	39	33	26	15
3	4VO8BX0.5EU	8	0.37/0.5	32/40	55	50	44	26	55@10M	-	-
4	4VO10BU1EU/ 4VO10BU1EU-40/	10	0.75/1.0	32/40	58	56	53	50	40	33	20
5	4VO12BU1.5EU/ 4VO12BU1.5EU-40	12	1.1/1.5	32/40	71	68	66	61	49	40	25
6	4VO14BU1.5EU/ 4VO14BU1.5EU-40	14	1.1/1.5	32/40	81	77	74	70	56	46	26
7	4VO16BU1.5EU/ 4VO16BU1.5EU-40	16	1.1/1.5	32/40	92	88	84	78	63	50	28
8	4VO18BX1.5EU/ 4VO18BX1.5EU-40	18	1.1/1.5	32/40	-	122	110	72	60@ 25M	-	-

Performance table for 4VO PLUS Series

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge (LPM)						
					0	10	20	40	65	80	100
					Head (m)						
1	4VO1/7-BUE(U4S)/ 4VO1/7-BUE(U4S40)	7	0.75/1.0	32/40	40	38	35	32	26	18	12
2	4VO1/8-BUE(U4S)/ 4VO1/8-BUE(U4S40)	8	0.75/1.0	32/40	46	43	40	37	30	21	14
3	4VO0.5/8-BXE(U)/ 4VO0.5/8-BXE(U40)	8	0.37/0.5	32/40	55	50	44	26	55 @10 m	-	-
4	4VO1/10-BUE(U4S)/ 4VO1/10-BUE(U4S40)	10	0.75/1.0	32/40	57	54	50	46	37	26	18
5	4VO1.5/12BUE(U4S)/ 4VO1.5/12-BUE(U40)	12	1.1/1.5	32/40	69	64	60	55	45	31	20
6	4VO1.5/14BUE(U4S)/ 4VO1.5/14-BUE(U40)	14	1.1/1.5	32/40	80	75	70	64	52	36	23
7	4VO1.5/16BUE(U4S)/ 4VO1.5/16-BUE(U40)	16	1.1/1.5	32/40	91	85	80	73	59	41	25
8	4VO1.5/18-BXE(U)/ 4VO1.5/18-BXE(U40)	18	1.1/1.5	32/40	-	122	110	72	60 @ 25m	-	-

Control Panel: 4VO Series

Motor	Oil Filled		
kW/HP	Control Panel	OLP/ MCB (A)	Run Cap (mfd)
0.37/0.5	NODCP0.5-NM/CODCP0.5-ZM*	5	25
0.55/0.75	NODCP0.75-NP/CODCP0.75-ZP*	6	36
0.75/1.0	NODCP1-NP/CODCP1-ZP*	8	36
1.1/1.5	NODCP1.5-NP/CODCP1.5-ZP*	12	36
1.5/2.0	NODCP2-NP/CODCP2-ZP*	15	36

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. *Models with Start Capacitor 40-60 mfd and without contactor
4. 4VO PLUS series is with high torque winding

Material of Construction:

Sr.No.	PART	MOC
1	Bowl	Noryl
2	Impeller	Noryl
3	Pump Shaft	Stainless Steel-SS410
4	NRV Body	Cast Iron-Grade FG 200
5	Motor Body	Stainless Steel-SS304
6	Pump Jacket	Stainless Steel-SS202
7	Upper Housing	Cast Iron-Grade FG 200
8	Bearing	Standard
9	Motor Shaft	Stainless Steel-SS410
10	Strainer	Stainless Steel-SS202
11	Fastener	Stainless Steel-SS410
12	Sealing	Oil seal/Mechanical seal (Ceramic Vs Carbon)
13	Motor Base	Stainless Steel-SS304
14	Motor Base - 4VO BU & BX series	Cast Iron-Grade FG 200
15	Winding	Copper
16	Winding - 4VO PLUS series	Copper (Main Winding)

4WSS Series
Stainless Steel Borewell Submersible Pumps

Crompton

WARRANTY 12 MONTHS WARRANTY

High Grade Stainless Steel
Pure SS304 stainless steel construction resists corrosion and withstand tough operating conditions

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

In Built Check Valve
In built check valve prevents pump parts from damage due to sudden back pressure

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:

- Range: 0.5 HP to 2.0 HP (0.37 kW to 1.5 kW)
- Rated voltage: 220V for 1PH & 415V for 3PH
- Voltage range: 180V - 240V for 1PH & 350V - 440V for 3PH
- Rated Frequency: 50Hz
- Delivery pipe size: 32 mm & 40 mm
- Max. Head: Upto 167 meter
- Max. Discharge: Upto 100 LPM
- Liquid: Clear water
- Motor type: Water filled motor

Application:

- Gardening
- Sprinkler irrigation
- Multistoried buildings
- Water supply for industrial
- Drip irrigation
- Construction sites
- Farm Houses

Performance Table

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					10	25	34	42	51	59	70
					Head In Meter						
1	4WSSF3-0508	8	0.37/0.5	32	44	40	36	32	24	16	6
2	4WSSF3-1010	10	0.75/1.0	32	53	49	44	40	31	20	10
3	4WSSF3-1014	14	0.75/1.0	32	75	69	64	57	43	28	14
4	4WSSF3-1016	16	0.75/1.0	32	88	80	72	64	48	32	16
5	4WSSF3-1018	18	0.75/1.0	32	99	90	81	72	54	36	18

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					10	25	34	42	51	59	65
					Head In Meter						
6	4WSSF3-1520	20	1.1/1.5	32	105	93	80	70	53	30	15
7	4WSSF3-1522	22	1.1/1.5	32	115	102	90	80	55	35	20
8	4WSSF3-1525	25	1.1/1.5	32	128	110	94	82	58	36	21
9	4WSSF3-2028	28	1.5/2.0	32	150	132	115	103	75	45	25
10	4WSSF3-2032	32	1.5/2.0	32	167	147	126	105	80	45	26

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					20	40	60	70	80	90	100
					Head In Meter						
11	4WSSF5-1008	8	0.75/1.0	40	44	40	36	32	24	16	8
12	4WSSF5-1010	10	0.75/1.0	40	55	50	45	40	30	20	10
13	4WSSF5-1012	12	0.75/1.0	40	66	60	54	48	36	24	12
14	4WSSF5-1515	15	1.1/1.5	40	75	65	53	45	35	20	9
15	4WSSF5-1518	18	1.1/1.5	40	95	83	66	58	45	27	11
16	4WSSF5-2020	20	1.5/2.0	40	101	90	72	62	47	31	14
17	4WSSF5-2024	24	1.5/2.0	40	125	110	89	75	56	35	16

Motor	Water Filled			
kW/HP	Control Panel	MCB (A)	Start Cap (mfd)	Run Cap (mfd)
0.37/0.5	NDCP0.5-BP	6	80-100	36
0.75/1.0	NDCP1-CQ	10	100-120	50
1.1/1.5	NDCP1.5-DS	13	120-150	72
1.5/2.0	NDCP2-ET	16	150-200	100

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions

Material of Construction:

Sr.No.	PART	MOC
1	Bowl/ Diffuser	Stainless Steel SS304
2	Impeller	Stainless Steel SS304
3	Pump Shaft	Stainless Steel SS410
4	NRV	Cast Iron
5	Suction Housing	Cast Iron
6	Motor Body	Stainless Steel SS202
7	Upper & Lower Housing, Motor Base	Cast Iron-Grade FG 200
8	Bearing Bush	Bronze LTB-4
9	Strainer	Stainless Steel SS202
10	Sealing	Oil Seal
11	Thrust Bearing	SS Vs Carbon
12	Winding	Polywrap Copper

Centrifugal Openwell Submersible Pumps (OW Series)

Crompton

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

Pre-filled with Coolant
Motor is prefilled with mixture of water & Glycol which prevents motor burning & gives excellent cooling effect

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

Anti Rust Coating
CED coating offers longer life against corrosion

Technical Specifications:
- Range: 0.5HP to 1.0HP (0.37kW to 0.75kW)
- Rated voltage: 220V for 1 PH
- Voltage range: 160 -240V
- Rated Frequency: 50Hz
- Delivery pipe size: 25 mm
- Max. Head: Upto 34 meter
- Max. Discharge: Upto 180 LPM
- Motor type: Water filled motor

Application:
- Water transfer from under ground tank to overhead tank
- Gardening & water fountains
- Water supply in hotels, buildings & apartments

Performance Table for Residential Openwell Series

Sr. No.	Rating	Motor kW/HP	Pipe Size (mm)	Head in Meter						
				9	12	15	18	21	24	27
				Discharge in LPM						
$1	OWE052(1PH)Z-21T	0.37/0.5	25	140	136	120	72	-	-	-
**2	OWE052(1PH)Z-21FS	0.37/0.5	25	140	136	120	72	-	-	-
3	OWD052(1PH)G-21	0.37/0.5	25	155	140	120	80	30 @20m	-	-
4	OWE12(1PH)Z-28	0.75/1.0	25	-	140	125	105	80	45	10
$5	OWE12(1PH)Z-28T	0.75/1.0	25	-	140	125	105	80	45	10
**6	OWE12(1PH)G-28FS	0.75/1.0	25	-	180	170	150	125	90	10

Sr. No.	Rating	Motor kW/HP	Pipe Size (mm)	Head in Meter						
				15	18	21	24	27	30	34
				Discharge in LPM						
#7	OWHE12-30(3PH)	0.75/1.0	25	-	-	140	115	90	60	-
$8	OWE12(1PH)Z-34T	0.75/1.0	25	165	160	140	120	90	50	5
*9	OWE12(1PH)Z-34K	0.75/1.0	25	180	160	140	120	90	50	5
**10	OWE12(1PH)Z-34FS	0.75/1.0	25	180	160	140	120	90	50	5

Note:

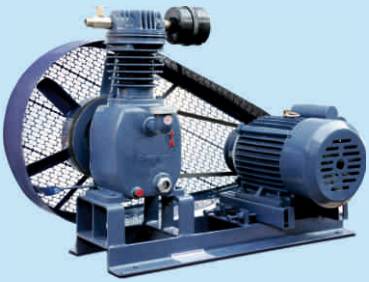
1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions.
3. * 4 Star Rating
4. **5 Star rating
5. $ Models are with SS202 strainer
6. # Model is with Bronze LTB-4 Bush

Material of Construction:

Sr.No.	PART	MOC
1	End Shield (NDE)/ Lower Housing	Cast Iron-Grade FG 200
2	Impeller	Noryl
3	Volute/Diffuser	Cast Iron-Grade FG 200
4	Motor Body	Stainless Steel-SS202
5	Adaptor / Upper Housing	Cast Iron-Grade FG 200
6	Motor Shaft	Stainless Steel-SS410
7	DE/NDE Thrust Bearing	Carbon Vs SS on DE & NDE Side
8	Strainer	Stainless Steel-SS202/ PVC
9	Bearing Bush	Sintered Carbon/ Bronze LTB-4
10	Delivery Flange	Cast Iron-Grade FG 200
11	Fasteners	Stainless Steel-SS202
12	Winding	Polywrap Copper

Compressor Pumps

Crompton



Cast Iron Motor Body and Cylinder
Ensures constructional ruggedness for long lasting consistent performance

Aluminium Alloy Piston
High Strength, light weight and less wear due to high rate of heat conductivity

Splash Lubrication
Ensures regular lubrication and reduces frictional losses

Wide Voltage Application
Designed to withstand wide voltage fluctuations & Provides Consistent Performance

Technical Specifications:

- Range: 1HP to 2HP (0.75kW to 1.5kW)
- Rated voltage: 220V for 1PH
- Delivery pipe size: 25 mm & 40 mm
- Voltage range: 160 -240V
- Rated Frequency: 50Hz
- Max. Head : Upto 800 feet
- Max. Discharge: Upto 7500 LPH

Application:

- Multi storied buildings
- Supply in hotels, buildings & apartments
- Water transfer from underground to overhead tank
- Water lifting from borewell having feculent yeilds, muddy water

Performance Table:

Sr. No.	Rating	Motor kW/HP	No. of Cylinder	Compressor RPM	Pressure Kg/CM2	Belt size (mm)	Air Pipe Size (mm)	Water Pipe Size (mm)
1	MCP1-M300	0.75/1.0	1	1440	7	NA	15	25
2	MCP1-M400	0.75/1.0	1	1440	7	NA	15	25
3	MCP1.5-M400	1.1/1.5	1	1440	7	NA	15	25

Sr. No.	Rating	Motor kW/HP	Pumping Height	Lifting Height	Head in Feet 100	150	200	300	400
					Discharge in LPM				
1	MCP1-M300	0.75/1.0	25%	75%	1375	1220	1100	890	-
			50%	50%	1800	1550	1200	900	-
			75%	25%	3870	3250	2620	2350	-
2	MCP1-M400	0.75/1.0	25%	75%	1550	1400	1200	1050	950
			50%	50%	1850	1550	1350	1150	1050
			75%	25%	4050	3050	2800	2550	2450
3	MCP1.5-M400	1.1/1.5	25%	75%	1750	1600	1350	1150	1050
			50%	50%	2150	1750	1500	1250	1150
			75%	25%	4200	3150	2950	2650	2550

Sr. No.	Rating	Motor kW/HP	No. of Cylinder	Compressor RPM	Pressure Kg/CM2	Belt size (mm)	Air Pipe Size (mm)	Water Pipe Size (mm)
4	CP1-M400	0.75/1.0	1	1200	7	A-38	15	25
5	CP1.5-M400	1.1/1.5	1	940	7	A-37	15	25
6	CP2-M600	1.5/2.0	1	900	9	B-42	15	25
7	CP2T-M800	1.5/2.0	2	715	12	A-67	25	40

Sr. No.	Rating	Motor kW/HP	Pumping Height	Lifting Height	Head in Feet 100	150	200	300	400
					Discharge in LPM				
4	CP1-M400	0.75/1.0	25%	75%	1500	1350	1150	1000	900
			50%	50%	1800	1500	1300	1100	1000
			75%	25%	4000	3000	2750	2500	2400
5	CP1.5-M400	1.1/1.5	25%	75%	1700	1550	1300	1100	1000
			50%	50%	2100	1700	1450	1200	1100
			75%	25%	4150	3100	2900	2600	2500

Sr. No.	Rating	Motor kW/HP	Pumping Height	Lifting Height	Head in Feet							
					100	200	300	400	500	600	700	800
					Discharge in LPM							
6	CP2-M600	1.5/2.0	25%	75%	1600	1400	1200	900	700	-	-	
			50%	50%	2500	1800	1500	1400	1100	1000	-	-
			75%	25%	5000	3500	3100	3000	2800	2500	-	-
7	CP2T-M800	1.5/2.0	25%	75%	2300	2000	1800	1500	1300	1100	900	
			50%	50%	3300	2500	2300	2100	1900	1700	1600	1500
			75%	25%	7500	6100	5500	5200	4900	4600	4300	4000

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions

Material of Construction:

MOC : MCP1-M300, MCP1-M400, MCP1.5-M400		
Sr. No.	PART	MOC
1	Fan	Nylon
2	Fan Cover	Mild Steel
3	End shield (DE & NDE)	Cast Iron, Gr. FG 200, IS210
4	Motor body	Cast Iron, Gr. FG 200, IS210
5	Rotor	Aluminium Die cast
6	Crank Case	Cast Iron, Gr. FG 200, IS210
7	Cylinder	Cast Iron, Gr. FG 200, IS210
8	Air Filter	Plastic
9	Cylinder Head	Cast Iron, Gr. FG 200, IS210
10	Piston	Aluminium
11	Crank Web	EN 8 Forged Steel
12	Crank shaft	EN 8 Forged Steel
13	Shaft	Forged Steel EN 8
14	Fastners	MS (Grade 4.6)
15	Gudge on pin	EN 353
16	Connecting Rod	16MnCr5
17	Valve Blade	Spring Steel
18	Winding	Copper

MOC : CP1-M400, CP1.5-M400, CP2-M600, CP2T-M800		
Sr. No.	PART	MOC
1	Fan	Nylon
2	Fan Cover	Mild Steel
3	End shield (DE & NDE)	Cast Iron, Gr. FG 200, IS210
4	Motor body	Cast Iron, Gr. FG 200, IS210
5	Rotor	Aluminium Die cast
6	Crank Case	Cast Iron, Gr. FG 200, IS210
7	Bearing Housing	Cast Iron, Gr. FG 200, IS210
8	Cylinder	Cast Iron, Gr. FG 200, IS210
9	Air Filter	LDPE + MS Nipple
10	Cylinder Head	Cast Iron, Gr. FG 200, IS210
11	Piston	AL – LM 13
12	Web Assembly	MnCr5 Steel (Forged)
13	Crank shaft	Forged Steel EN 8
14	Shaft	Forged Steel EN8
15	Fastners	MS (Grade 4.6)
16	Winding	Copper

Single Phase Control Panels (NDCP/CDCP & NODCP/CODCP Series)

Crompton

WARRANTY 12 MONTHS WARRANTY

Overload Protection
Ensures pump protection by tripping of MCB/OLP

Special Contactor
Heavy duty contactor specially designed for handling higher voltage fluctuations and operating current

Current & Voltage Display
Robust designed VA Meter shows Current & Voltage upto 30A& 300V accurately.

Specially Designed Capacitor
Crompton Pump specific start & run capacitor ensures high starting torque and reliable

Wide Voltage Application
Designed to withstand wide voltage fluctuations range from 160V – 260V

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:
- Range: -0.5 HP to 3.0 HP (0.37 kW to 2.2 kW)
- Rated Voltage: - 220V
- Voltage Range: - 160V-260V
- Frequency: 50 Hz
- Connection Strip: 5-Way 30A

Application:
- Suitable for Crompton Single-Phase water filled 3W/4W/4WSS/4CSS submersible pump (NDCP/CDCP Series)
- Suitable for Crompton Single-Phase Oil filled 3VO/4VO/4VOSS submersible pump (NODCP/CODCP Series)

Single Phase Control Panels Suitable for Water filled Motor

Sr. No.	Model Name	Motor kW/HP	FLC	Start Capacitor	Run Capacitor	MCB	HRC Fuse
1	NDCP0.5-BP / CDCP0.5-BP	0.37/0.50	5.3 A	80-100 MFD	36 MFD	6 A SP	25
2	NDCP0.75-BQ / CDCP0.75-BQ	0.55/0.75	6.2 A	80-100 MFD	50 MFD	8 A SP	32
3	NDCP1-CQ / CDCP1-CQ	0.75/1.00	7.5 A	100-120 MFD	50 MFD	10 A SP	35
4	NDCP1.5-DS / CDCP1.5-DS	1.10/1.50	10.5 A	120-150 MFD	72 MFD	13 A SP	50
5	NDCP2-ET / CDCP2-ET	1.50/2.00	13.8 A	150-200 MFD	100 MFD	16 A SP	63

Single Phase Control Panels Suitable for Oil filled Motor

Sr. No.	Model Name	Motor kW/HP	FLC	Start Capacitor	Run Capacitor	OLP/ MCB	HRC Fuse
1	NODCP0.5-NM	0.37/0.5	4.1 A	NA	25 MFD	5 A	20
2	CODCP0.5-ZM*		4.1 A	40-60 MFD	25 MFD	6 A	20
3	NODCP0.75-NP	0.55/0.75	5 A	NA	36 MFD	6 A	25
4	CODCP0.75-ZP*		5 A	40-60 MFD	36 MFD	6 A	25
5	NODCP1-NP	0.75/1.0	6.7 A	NA	36 MFD	8 A	32
6	CODCP1-ZP*		6.7 A	40-60 MFD	36 MFD	8 A	32
7	NODCP1.5-NP	1.1/1.5	9.5 A	NA	36 MFD	12 A	50
8	CODCP1.5-ZP*		9.5 A	40-60 MFD	36 MFD	13 A	50
9	NODCP2-NP	1.5/2.0	12.5 A	NA	36 MFD	15 A	63
10	CODCP2-ZP*		12.5 A	40-60 MFD	36 MFD	16 A	63

Note: *Marked models have MCB and start capacitor instead of OLP & Contactor

Single Phase Control Panels (ARMOR Series)

Crompton

armor
DIGITAL
CONTROL PANEL
SUITABLE FOR WATER FILLED

Dry Run Protection
Protects pump from running in dry condition

Wide Voltage Application
Works effectively in wide voltage range from 140V – 260V for single phase.

Overload Protection
Protects pumps from running in overload condition

Settable OFF-Timer
Settable off timer from 1 mins- 720 mins makes the pump OFF operation automatic

Under Voltage Protection
Protects pump from running in Under voltage condition.

Over Voltage Protection
Protects pump from running in over voltage condition.

Technical Specifications:
- HP Range: 0.5 HP to 2.0 HP (0.37 kW to 1.5 kW)
- Rated Voltage: 220V
- Voltage Range: 140V-260V
- Rated Frequency: 50Hz
- Connection Strip: 5-way 30A

Application:
- Suitable for Crompton's single-phase Water filled 3W/4W/4WSS submersible pump set ranging from 0.37/0.5 kW/HP to 1.5/2.0 kW/HP

Crompton ARMOR Series (Suitable for 3W/4W/4WSS Single Phase Water Filled Submersible Pump Set)

Sr. No.	Model Name	Motor kW/HP	FLC	Start Capacitor	Run Capacitor	HRC Fuse
1	ARMOR0.5-BPU	0.37/0.50	5.3 A	80-100 MFD	36 MFD	25
2	ARMOR0.75-BQU	0.55/0.75	6.2 A	80-100 MFD	50 MFD	32
3	ARMOR1-CQU	0.75/1.0	7.5 A	100-120 MFD	50 MFD	35
4	ARMOR1.5-DSU	1.1/1.5	10.5 A	120-150 MFD	72 MFD	50
5	ARMOR2-ETU	1.5/2.0	13.8 A	150-200 MFD	100 MFD	63

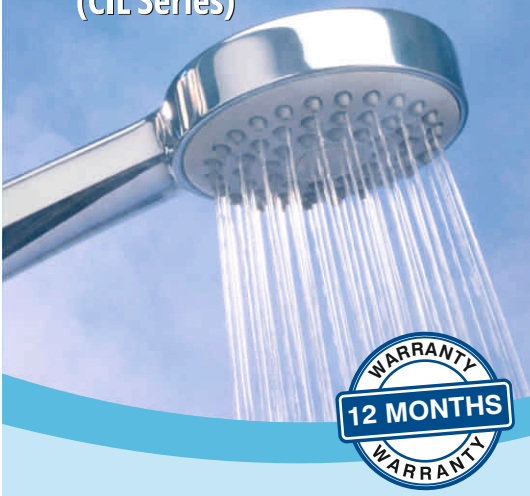
Capacitor Logic			
Start Capacitor Micro Farad	Denotation	Run Capacitor Micro Farad	Denotation
60/80	A	45	H
80/100	B	30	I
100/120	C	60	J
120/150	D	20	K
150/200	E	40	L
200/250	F	25	M
40/60	Z	36	P
-	-	50	Q
-	-	65	R
No capacitor	N	72	S
-	-	100	T
-	-	108	U
-	-	144	V
-	-	80	W

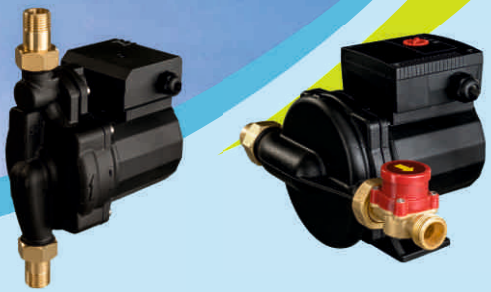
Example:			
ARMOR 1.0-CQU			
ARMOR	1	C	Q
SUITABLE FOR WATER FILLED PUMP	HP	START CAPACITOR(100-120 MFD)	RUN CAPACITOR(50MFD)

Example:				
NDCP1-CQ/ CDCP1-CQ	NDCP/CDCP	1	C	Q
	Suitable For Water Filled	HP	Start Capacitor (100-120 MFD)	Run Capacitor (50MFD)
NODCP1-NP/ CODCP1-ZP	NODCP/CODCP	1	N/Z	P
	Suitable For Oil Filled	HP	No Capacitor/Start Capacitor (40-60 MFD)	Run Capacitor (36MFD)

Circulating In-Line Pumps (CIL Series)

Crompton





WARRANTY 12 MONTHS WARRANTY

Automatic Operation
As per water requirement, pump automatically stops when we close tap and starts when we open tap

Mode Selection
Pump can be easily switched to Manual mode, Automatic mode and Off mode by using switch as per requirement

Noiseless Operation
Pump noise less than 55db

Hot Water Application
Can handle water up to 90° C

Brass Suction and Delivery Connector
Provided with pump for easy connection

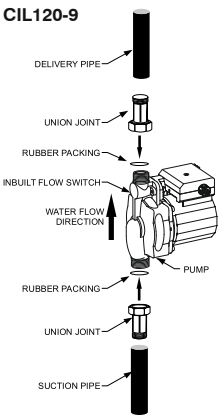
Speed Selection Provision*
Three speeds provided to set required performance

Technical Specifications:
- Range: Upto 0.47/0.35 HP/kW
- Rated voltage: 220V
- Voltage range: 160-260V
- Rated Frequency: 50Hz
- Pipe size: Upto 20 mm
- Max. Head: Upto 15 meter
- Max. Discharge: Upto 55 LPM

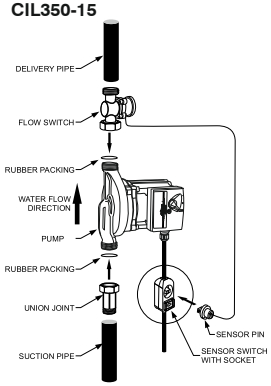
Application:
- Bathrooms
- Washing machine
- Besin
- Geyser
- Toilets
- Water heater

Assembly:

CIL120-9



CIL350-15



Performance Table:

Sr. No.	Catref	Power kW/HP	Supply Phase	Pipe Size mm	Speed	Discharge in LPM						
						6	9	12	15	18	21	24
						Head In Meter						
1	CIL120-9	0.12/0.16	1 PH	13 X 13	-	9	8	7	6	5	4	2

Sr. No.	Catref	Power kW/HP	Supply Phase	Pipe Size mm	Speed	Discharge in LPM									
						5	10	15	20	25	30	35	40	50	55
						Head In Meter									
*2	CIL350-15	0.35/0.47	1 PH	20 X 20	I	10	9	7	5	2	-	-	-	-	-
					II	14	13	12	11	10	8	7	5	-	-
					III	15	15	14	13	12	11	10	9	7	5

Note:

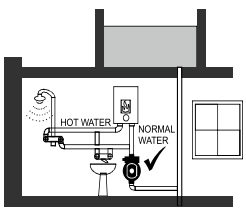
1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. * Speed selector provided for CIL350-15 model

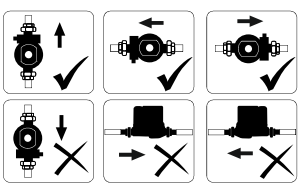
Material of Construction:

Sr.No.	PART	MOC
1	Impeller	Polyether sulfone G30
2	Volute	Cast Iron Grade FG 200
3	Sealing Rings	EPDM Rubber
4	O-Ring	EPDM Rubber
5	In/Out Connectors	Brass
6	Motor Shaft	Ceramic
7	Thrust Bearing	Graphite
8	Radial Bearing	Ceramic
9	Motor Body	Aluminum Grade 4600A
10	Winding	Copper

Installation:

- **Positive pressure required at inlet of pump**
- Pump should be installed such that motor shaft always remain horizontal





Pressure Booster Pumps

Crompton

WARRANTY 12 MONTHS WARRANTY

AB-15

MINI FORCE

CFCHM

CFMSMB

IPCHM

Automatic Operation
As per water requirement, pump automatically starts when pressure level drops below set pressure

Dry Run Protection
CFCHM and CFMSMB: Provided by using float switch
IPCHM: Inbuilt dry run protection provided in controller

Noiseless Operation
Pump noise is less than 60db

Constant Pressure Application
Gives constant pressure at all taps

High Quality Strainer
High quality Y-strainer provided to avoid foreign particle entry

Less Power Consumption
High operating efficiency results in high flow rate and low electricity bill

Technical Specifications:

- Range : 0.5 HP to 1.5 HP (0.37kW to 1.1 kW)
- Rated Voltage : 220V 1PH
- Voltage Range : 180V - 260V
- Rated Frequency: 50Hz
- Pipe Size : 25mm X 25mm, 32mm X 25mm
- Max. head : Up to 56 Meters
- Max. Discharge : Up to 132LPM
- Liquid : Clear & Cold Water
- Rotation : clockwise as viewed from Motor End

Application:

- Domestic pressure boosting applications in bungalows, apartments, hotels, etc.
- For constant pressure application in industries

Performance Table for Pressure Booster Controller

Sr. No.	Rating	Suitable for Pump with kW/ HP up to	Pipe Size SucXDel mm	Current (Amp)	Start up pressure (CUT IN) in Bar	Operating Pressure in Bar	Maximum working pressure in Bar	Protection Grade
1	AB-15	1.1/1.5	25 X 25	10	1.5	10	10	IP65

Performance Table for Single Pump Pressure Booster

Sr. No.	Rating	Motor kW/HP	Pipe Size SucXDel mm	Recommended Pressure Settings (Bar)	Tank Size (Ltr)	Tank Pre- charge (Bar)	No. of Bathrooms
*2	MINI FORCE I	0.75/1.0	25 X 25	2.4 - 3.8	2	1.2	2
*3	MINI FORCE II	0.37/0.5	25 X 25	1.4 - 2.4	2	1.2	1

Sr. No.	Rating	Head in Meter								
		6	9	12	18	21	24	27	36	42
		Discharge in LPH								
*2	MINI FORCE I	3000	2820	2650	2300	2150	1980	1800	1300	960
*3	MINI FORCE II	2000	1730	1460	930	660	400	-	-	-

Performance Table for Single Pump Pressure Booster with tank (Noryl - Impeller)

Sr. No.	Rating	Motor kW/HP	Pipe Size SucXDel mm	Recommended Pressure Settings (Bar)	Tank Size (Ltr)	Tank Pre- charge (Bar)	No. of Bathrooms	Max. pressure setting (Bar)
*4	CFMSMB3D0.50-V8	0.37/0.5	25 X 25	1.5 - 2.5	8	1.8	2	2.5
*5	CFMSMB3D0.50-V24	0.37/0.5	25 X 25	1.5 - 2.5	24	1.8	2	2.5
*6	CFMSMB4D0.75-V24	0.55/0.75	25 X 25	2.0 - 3.0	24	1.8	3	3.0
*7	CFMSMB5D1.00-V24	0.75/1.0	25 X 25	2.0 - 3.0	24	1.8	4	4.0

Sr. No.	Rating	Discharge in LPM								
		10	15	20	25	33	42	50	65	70
		Head in Meter								
*4	CFMSMB3D0.50-V8	32	27	26	25	22	16	12	8	5
*5	CFMSMB3D0.50-V24	32	27	26	25	22	16	12	8	5
*6	CFMSMB4D0.75-V24	37	35	34	30	26	24	18	12	10
*7	CFMSMB5D1.00-V24	46	45	43	41	38	30	25	20	15

Performance Table for Single Pump Pressure Booster with Tank (SS Impeller)

Sr. No.	Rating	Motor kW/HP	Pipe Size SucXDel mm	Recommended Pressure Settings (Bar)	Tank Size (Ltr)	Tank Pre- charge (Bar)	No. of Bathrooms	Max. pressure setting (Bar)
*8	CFCHM5D0.75B-V24	0.55/0.75	25 X 25	2.0 - 3.0	24	1.8	3	3.0
*9	CFCHM6D1.0B-V24	0.75/1.0	25 X 25	2.0 - 3.0	24	1.8	4	4.0
*10	CFCHM4E1.0B-V24	0.75/1.0	32 X 25	1.5 - 3.0	24	1.8	5	3.0
*11	CFCHM6E1.5B-V24	1.1/1.5	32 X 25	2.0 - 3.0	24	1.8	6	4.5

Sr. No.	Rating	Head in Meter								
		10	15	20	25	30	35	40	45	50
		Discharge in LPM								
*8	CFCHM5D0.75B-V24	77	70	63	53	42	27	12	-	-
*9	CFCHM6D1.0B-V24	83	79	74	67	60	50	40	25	13
*10	CFCHM4E1.0B-V24	123	107	92	72	48	18	-	-	-
*11	CFCHM6E1.5B-V24	132	125	117	105	96	82	65	50	31

Performance Table for Single Pump Pressure Booster with Controller (SS Impeller)

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	No. of Bathrooms	Pump operating max pressure (Bar)
12	IPCHM5D0.75(1PH)B	0.55/0.75	25 X 25	3	4.5
13	IPCHM6D1.0(1PH)B	0.75/1.0	25 X 25	4	5.4
14	IPCHM4E1.0(1PH)B	0.75/1.0	32 X 25	5	3.5
15	IPCHM6E1.5(1PH)B	1.1/1.5	32 X 25	6	5.2

Sr. No.	Rating	Head in Meter											
		15	20	25	30	35	37	40	43	45	50	54	56
		Discharge in LPM											
11	IPCHM5D0.75(1PH)B	70	63	53	42	27	22	12	0	-	-	-	-
12	IPCHM6D1.0(1PH)B	79	74	67	60	50	46	40	31	25	13	0	-
13	IPCHM4E1.0(1PH)B	107	92	72	48	18	0	-	-	-	-	-	-
14	IPCHM6E1.5(1PH)B	125	117	105	96	82	80	65	60	50	31	18	0

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. AB-15 comes with 6 months warranty
4. * Tank precharge air pressure should be 0.2 bar less than cut in pressure
5. Number of bathrooms recommended calculated by considering general bathroom fitting and losses

Material of Construction:

Sr.No.	PART	MOC
1	Impeller-CFMSMB	Noryl
2	Impeller-CFCHM, IPCHM	Stainless Steel- Grade SS304
3	Impeller-MINI FORCE	Forged Brass
4	Adaptor- MINI FORCE	Cast Iron-IS210 Grade FG 200
5	Diffuser-CFMSMB,IPSSWJ	Noryl
6	Diffuser-CFCHM	Stainless Steel- Grade SS304 + Delrin
7	Volute-MINI FORCE	Cast Iron-IS210 Grade FG 200
8	Motor Body - CFMSMB, CFCHM, IPCHM Series	Aluminium Extruded- Grade HE9
9	Motor Body-MINI FORCE	Aluminium PDC- Grade ADC12
10	Shaft	Stainless Steel-Grade SS410
11	Inserts-MINI FORCE	Stainless Steel-Grade SS304
12	Delivery Casing-CFMSMB, CFCHM, IPCHM	Cast Iron-IS210 Grade FG 200
13	Outer casing-CFMSMB	Stainless Steel-Grade SS304
14	Y Stainer	Noryl
15	Priming Plug- MINI FORCE	Brass
16	Outlet Flanges	Cast Iron-IS210 Grade FG 200
17	Fan & Fan Cover-CFMSMB, MINI FORCE	PPCP
18	Fan-CFCHM & IPCHM series	NYLON 6
19	Fan Cover-IPCHM & CFCHMseries	PP GF 30%
20	Winding	Copper

Crompton

Less electricity, more water
Make farming better

AGRICULTURAL PUMPS EXPLORER

MBG/MAD Series Centrifugal Monoset Pumps

Crompton

WARRANTY 1 YEAR WARRANTY

Reliable Mechanical Seal
High quality and long life mechanical seal

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

F Class Insulation
High grade F class insulation paper used for higher reliability

Dynamically Balanced Rotating Parts
Minimum vibrations protect components from damage during operation

Overload Protection
Single phase pumps are fitted with thermal overload protector (TOP)

Easy For Maintenance
Easily replaceable wear & tear Parts, low maintenance cost

Technical Specifications:

- Range : 0.5HP to 3.0HP (0.37kW to 2.2kW)
- Rated Voltage : 220V for 1PH
- Voltage Range : 160V - 240V
- Rated Frequency: 50Hz
- Pipe Size : 25X25mm to 100X100mm
- Max. head : Upto 33 Meters
- Max. Discharge : Upto 1080 LPM
- Liquid : Clear Water

Application:

- Bungalows, Buildings, Flats
- Hotels, Garages, Laundries
- Small Farms & Lawn Sprinklers
- Cooling Tower
- Sprinkler Irrigation, Drip Irrigation, Lift irrigation
- Construction sites
- Office & Shopping Mall Cooling System

Performance Table for MAD/MAD + Series

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter					
				9	10	11	12	13	14
				Discharge in LPM					
*1	MAD052(1PH)Y-14	0.37/0.5	25X25	90	88	80	72	64	50
*2	MAD052(1PH)Y-14+	0.37/0.5	25X25	90	88	80	73	64	50
*3	MAD052(1PH)Y-14SE	0.37/0.5	25X25	90	88	80	72	64	50

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter						
				9	12	15	16	18	20	21
				Discharge in LPM						
*4	MAD052(1PH)Y-18	0.37/0.5	25X25	100	98	75	65	45	-	-
*5	MAD052(1PH)Y-18+	0.37/0.5	25X25	112	98	80	70	47	-	-
*6	MAD052(1PH)Y-21	0.37/0.5	25X25	-	-	95	90	70	50	35
*7	MAD052(1PH)Y-21+	0.37/0.5	25X25	-	-	95	87	69	47	35

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter							
				12	15	18	21	24	28	30	33
				Discharge in LPM							
*8	MAD12(1PH)J-28	0.75/1.0	25X25	85	80	75	71	65	38	-	-
*9	MAE12(1PH)Y-29	0.75/1.0	32X25	115	110	105	90	70	30	12	-
*10	MAD12(1PH)Y-30	0.75/1.0	25X25	85	80	76	71	66	38	15	
*11	MAD12(1PH)-33	0.75/1.0	25X25	100	98	96	94	88	70	60	40

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter					
				4	5	6	7	8	9
				Discharge in LPM					
12	MAQ12(1PH)Z-9	0.75/1.0	80X80	830	760	680	580	480	300

Performance Table for MBG Series

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter					
				9	12	14	15	16	18
				Discharge in LPM					
1	MBD052(1PH)Y-18	0.37/0.5	25X25	100	98	80	75	65	45
2	MBD052(1PH)Y-18+	0.37/0.5	25X25	95	92	85	80	75	60

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter 6	7	8	9	10	11	12
				Discharge in LPM						
3	MBJ052(1PH)Y-12	0.37/0.5	40X40	285	265	245	225	200	175	135
4	MBJ052(1PH)Z-11SE	0.37/0.5	40X40	310	280	260	230	190	140	-
5	MBM052(1PH)Y-12	0.37/0.5	50X50	295	275	260	240	220	190	150
6	MBM052(1PH)Z-11SE	0.37/0.5	50X50	310	280	260	230	190	140	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter 9	12	15	18	21	24	28.5
				Discharge in LPM						
7	MBE12-24	0.75/1.0	32X25	-	135	120	100	80	50	-
8	MBG12(3PHASE)	0.75/1.0	40X32	175	165	150	135	100	85@22.5M	-
9	MBG1.52	1.1/1.5	40X32	-		175	165	140	115	50
10	MBG12(1PH)-21	0.75/1.0	40X32	210	190	160	130	100	-	-
11	MBJ12(1PH)	0.75/1.0	40X40	210	190	160	130	100	-	-
12	MBK12(1PH)-16	0.75/1.0	50X40	280	230	140	95@16M	-	-	-
13	MBM12(1PH)	0.75/1.0	50X50	320	250	150	-	-	-	-
14	MBM12(1PH)LV	0.75/1.0	50X50	320	250	150	-	-	-	-
15	MBM12C(1PH)-15	0.75/1.0	50X50	320	250	150	-	-	-	-
16	MBM12(I)-15	0.75/1.0	50X50	320	250	150	-	-	-	-
17	MBM12(1PH)Z-SE	0.75/1.0	50X50	410	300	190@14M	-	-	-	-
18	MBM12C(1PH)-16	0.75/1.0	50x50	350	290	200	130@16M	-	-	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter 12	15	21	27	30	33
				Discharge in LPM					
19	MBE12(1PH)	0.75/1.0	32X25	-	90 @19M	85	30	-	-
20	MBJ22(1PH)-33	1.5/2.0	40X40	-	-	210	190	165	130
21	MBG1.52(1PH)-27	1.1/1.5	40X32	-	175	140	50	-	-
22	MBKS1.52(1PH)	1.1/1.5	50X40	-	175	140	110	80	50
23	MBKH1.52(1PH)	1.1/1.5	50X40	360	300	100@18M	-	-	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter 6	9	10	11	12	13	15
				Discharge in LPM						
24	MBQ1.52(1PH)-12	1.1/1.5	80X80	940	700	590	440	300	-	-
25	MBQ1.52(1PH)-15	1.1/1.5	80X80	1000	840	730	680	600	400	10

Sr. No.	Rating	Motor	Pipe Size mm	Head in Meter					
		kW/HP		6	9	12	15	21	24
				Discharge in LPM					
26	MBK22(1PH)-24	1.5/2.0	50X40	-	410	395	335	250	200@24M
27	MBM22(1PH)-21	1.5/2.0	50X50	-	-	430	380	250	-
28	MBN22(I)-21	1.5/2.0	65X50	-	510	465	410	250	-
29	MBN22(1PH)-21	1.5/2.0	65X50	-	510	465	410	250	-
30	MBP22(I)-18	1.5/2.0	80X65	910	650	550	450	300@18M	
31	MBP22(1PH)-18	1.5/2.0	80X65	-	600	490	385	200@18M	
32	MBQ22(1PH)-12U	1.5/2.0	80X80	880	630	300	-	-	-
33	MBQ22-1PH-14	1.5/2.0	80x80	1020	845	640	400@14M	-	-
34	MBQ22(I)	1.5/2.0	80X80	910	800	550	-	-	-
35	MBQ22-I	1.5/2.0	80x80	910	800	550	-	-	-
36	MBQ22(I)-SE	1.5/2.0	80X80	910	800	550	-	-	-
37	MBQ22(1PH)-13	1.5/2.0	80X80	1020	845	640	540@13M	-	-
38	MBS22(I)-12	1.5/2.0	100X100	950	805	555	-	-	-
39	MBS22(1PH)-12	1.5/2.0	100X100	950	805	555	-	-	-
40	MBN32(1PH)-26	2.2/3.0	65X50	540	500	470	450	380	165
41	MBQ32(I)-15	2.2/3.0	80X80	1050	900	720	450	-	-
42	MBQ32(1PH)-15	2.2/3.0	80X80	1050	900	720	440	-	-
43	MBS32(I)-15	2.2/3.0	100X100	1080	920	720	450	-	-
44	MBS32(1PH)-15	2.2/3.0	100X100	1080	920	720	450	-	-

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. MA Series is with Aluminium extruded motor body
4. * Marked ratings are with Noryl impeller
5. MAD+ & MBG+ Series are with high torque winding

Material of Construction:

Sr.No.	PART	MOC
1	Impeller	Cast Iron-Grade FG 200/ Noryl
2	Volute	Cast Iron-Grade FG 200
3	Motor Body	Cast Iron-Grade FG 200 / Aluminium
4	Flanges	Cast Iron-Grade FG 200
5	Adapter	Cast Iron-Grade FG 200
6	Motor Shaft	Mild Steel- EN8
7	Sealing	Mechanical seal
8	Winding	Copper

Star Rated Pumps List

Sr.No.	Models	Star Rating
1	MBN22(1PH)-21	4
2	MBQ22(1PH)-13	3
3	MBK22(1PH)-24	3
4	MBE12-24	3
5	MBN32(1PH)-26	3
6	MBQ1.52(1PH)-12	3
7	MBQ22-1PH-14	3

MB & MI Series Centrifugal Monoset Pumps

Crompton

WARRANTY 1 YEAR WARRANTY

Reliable Mechanical Seal
High quality and long life mechanical seal

F Class Insulation
High grade F class insulation paper used for higher reliability

Dynamically Balanced Rotating Parts
Minimum vibrations protect components from damage during operation

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

Easy For Maintenance
Easily replaceable wear & tear Parts, low maintenance cost

Technical Specifications:
- Range: 1HP to 30HP (0.75 kW to 22 kW)
- Rated Voltage: 415V for 3PH
- Voltage Range: 350V-440V
- Rated Frequency: 50Hz
- Pipe Size: 50X40mm to 150X150mm
- Max. head: Upto 72 Meters
- Max. Discharge: Upto 4246 LPM
- Liquid: Clear Water

Application:
- Cooling Tower
- Sprinkler Irrigation, Lift irrigation
- Construction sites
- Office & Shopping Mall Cooling System
- Agricultural Farms
- Drip Irrigation

Performance Table

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter								
				10	14	16	18	20	22	24	25	28
				Discharge in LPM								
*1	MBK22-28GP	1.5/2.0	50X40	430	380	350	320	280	250	170	80	10

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter							
				6	9	12	15	21	24	27	36
				Discharge in LPM							
2	MIK22-18	1.5/2.0	50X40	460	430	390	330	200@18M	-	-	-
3	MIKH22-27	1.5/2.0	50X40	-	-	-	200@18M	180	145	110	-
4	MIK22(HT)-18	1.5/2.0	50X40	460	430	390	330	200@18M	-	-	-
5	MIN22-21	1.5/2.0	65X50	-	510	465	410	250	-	-	-
6	MIK32-27	2.2/3.0	50X40	-	-	-	450	375	285	150	-
7	MIKS32-36	2.2/3.0	50X40	-	-	-	-	-	250	220	110
8	MIN32-26	2.2/3.0	65X50	-	-	540	500	380	300	165@26M	-
9	MIP32-15	2.2/3.0	80X65	1000	875	720	450	-	-	-	-
10	MIQ32-15	2.2/3.0	80X80	1050	900	720	450	-	-	-	-
11	MIQ52-21	3.7/5.0	80X80	1500	1350	1275	1140	700	-	-	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter							
				24	27	30	33	39	45	48	54
				Discharge in LPM							
12	MIKS52-51	3.7/5.0	50X40	-	-	-	300	240	180	150	120@51M
13	MIK52-39	3.7/5.0	50X40	455	415	370	320	200	-	-	-
14	MINS52-42	3.7/5.0	65X50	-	-	-	400	270	200@42M	-	-
15	MIK7.52-54	5.5/7.5	50X40	-	-	-	450	395	335	300	200
16	MIN7.52-36	5.5/7.5	65X50	780	715	650	550	420@36M	-	-	-
17	MIP10.2-38	7.5/10.0	80X65	1250	1150	1050	950	700@38M	-	-	-
18	MIP15.2-51	11.0/15.0	80X65	1420	1350	1290	1220	1080	800	700	-
19	MIR20.2-45	15.0/20.0	100X80	-	-	2000	1900	1600	1100	-	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter								
				12	15	18	21	24	27	30	33	36
				Discharge in LPM								
20	MINH52-30	3.7/5.0	65X50	-	860	825	750	665	525	250	-	-
*21	MIP52FF	3.7/5.0	80X65	-	900	820	720	600	450	-	-	-
22	MIP52-27	3.7/5.0	80X65	-	-	850	740	620	450	-	-	-
23	MBP52	3.7/5.0	80X65	-	-	850	740	620	450	-	-	-
24	MIP7.52-30	5.5/7.5	80X65	-	-	-	1080	970	900	825	-	-
*25	MIP7.52FF	5.5/7.5	80X65	-	-	-	1100	1060	980	900	650	-
26	MIS7.52-24	5.5/7.5	100X100	1680	1540	1380	1170	840	-	-	-	-
27	MIR10.2-33	7.5/10.0	100 X 80	-	-	-	-	1400	1200	980	700	-
28	MIS10.2-30	7.5/10.0	100X100	-	1850	1720	1600	1450	1200	900	-	-
29	MIS15.2-36	11.0/15.0	100X100	-	-	2140	2000	1930	1800	1660	1445	1150

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter							
				6	8	9	11	12	14	15	16
				Discharge in LPM							
#30	OMBR5	3.7/5.0	100X80	1900	1600	1550	1350	1000	600	-	-
#31	OMBS5	3.7/5.0	100X100	1900	1700	1600	1470	1150	600	-	-
#32	OMBR7.5	5.5/7.5	100X80	-	-	-	-	1750	1470	1085	700
#33	OMBS7.5	5.5/7.5	100X100	-	-	2050	2000	1980	1600	-	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter						
				21	24	27	30	33	39	42
				Discharge in LPM						
34	MINH7.52-42	5.5/7.5	65X50	750	730	705	680	650	530	440
35	MIR15.2-39	11.0/15.0	100X80	-	1875	1750	1615	1460	800	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter				
				6	9	12	15	18
				Discharge in LPM				
36	MIS52-18	3.7/5.0	100X100	1850	1670	1460	1040	900
#37	MBW7.5	5.5/7.5	150X150	3810	2980	2630@10m	-	-
#38	MBW10	7.5/10.0	150X150	4246	3550	2500	2020@13m	-

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter			
				45	48	54	60
				Discharge in LPM			
39	MINH10.2-60	7.5/10.0	65X50	550	520	420	300
40	MIR25.2-60	18.5/25.0	100X80	-	1500	1150	800
41	MIR30.2-69	22.0/30.0	100X80	-	1800	1050	400@69

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter							
				21	24	30	33	35	38	42	45
				Discharge in LPM							
42	MIP12.52-45	9.3/12.5	80X65	1250	1245	1220	1170	1110	1010	870	670

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter							
				10	12	16	18	22	26	30	34
				Discharge in LPM							
43	MIS12.52-34	9.3/12.5	100X100	2250	2190	2130	2070	1920	1740	1428	720

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Head in Meter				
				51	54	60	69	72
				Discharge in LPM				
44	MIN15.2-72	11.0/15.0	65X50	550	530	485	400	310

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. * Models are with Gland packing construction
4. # Models are with 4 Pole motor & Gland packing construction
5. FF - Firefighting pump (can be provided in red colour)

Material of Construction:

Sr.No.	PART	MOC
1	Impeller	Cast Iron-Grade FG 200
2	Volute	Cast Iron-Grade FG 200
3	Motor Body	Cast Iron-Grade FG 200
4	Flanges	Cast Iron-Grade FG 200
5	Adapter	Cast Iron-Grade FG 200
6	Motor Shaft	Carbon steel Gr C40
7	Sealing	Mechanical seal/ Gland packing
8	Winding	Copper

Star Rated Pumps List

Sr.No.	Models	Star Rating
1	MIN22-21	3
2	MINH52-30	3
3	MIP32-15	2
4	MIQ52-21	2
5	MIR20.2-45	2
6	MIP10.2-38	2
7	OMBS7.5	2
8	MIS52-18	2
9	MIQ32-15	2
10	MBP52	3
11	MIK32-27	3

Openwell
Submersible Pumps

Crompton

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

Rust Resistant Coating
CED coating & Hammer tone double coated paint for superior protection against rust

***Wide Voltage Application**
Designed to withstand wide voltage fluctuations from 250V-440V & Provides Consistent Performance

Effective Sealing
Motor is sealed effectively using high quality Mechanical seal which ensures adequate water for motor cooling

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:
- Range: 1.5HP to 30HP (1.1kW to 22kW)
- Voltage range: 350-440V(3Ph models), 250-440V(Wide Voltage), 160-240V(1Ph models)
- Rated Frequency: 50Hz
- Delivery pipe Size: 32 mm to 100 mm
- Max. head: Upto 78 Meters
- Max. Discharge: Upto 2225 LPM
- Rotation: Clockwise as viewed from Motor end
- Connection: Star (Upto 7.5 HP), Delta (Above 7.5 HP)
- Motor Type : Water filled Motor
- Liquid: Clear Water

Application:
- Agricultural Farms
- Sprinkler Irrigation
- Drinking water supplies
- Water supply for industrial
- Drip Irrigation
- Gardening

Performance Table:

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters					
				21	24	27	30	33	38
				Discharge in LPM					
1	OWE1.52(1PH)B-38FS	1.1/1.5	25	160	145	130	105	80	15

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters					
				20	25	30	36	41	45
				Discharge in LPM					
2	OWE1.52(1PH)B-45	1.1/1.5	25	160	150	130	102	60	20

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meter							
				9	12	15	18	21	24	27	30
				Discharge in LPM							
#3	OWG1.52(1PH)G-30	1.1/1.5	32	-	-	270	250	225	185	120	50
4	OWG1.52(1PH)G-30FS	1.1/1.5	32	-	-	270	250	225	185	120	50
*5	OWG1.52G-30	1.1/1.5	32	-	-	270	240	200	155	100	35
6	OWK22(1PH)G-30FS	1.5/2.0	40	-	305	285	265	245	220	170	110
*7	OWK22G-30FS	1.5/2.0	40	-	320	305	275	240	210	170	110
#*8	OWK1.52(1PH)G-26	1.1/1.5	40	445	410	370	320	250	165	50@26M	-
*9	OWK22(1PH)G-28	1.5/2.0	40	310	300	282	255	220	180	90	-
*10	OWM22(1PH)G-23	1.5/2.0	50	520	440	380	300	200	100@23M	-	-
#*11	OWM22G-21	1.5/2.0	50	540	480	420	355	280	-	-	-

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters							
				8	12	16	20	24	28	32	36
				Discharge in LPM							
#*12	OWKS32G-36	2.2/3.0	40	420	415	400	385	370	350	265	168
#*13	OWNH32G-27	2.2/3.0	50	-	-	638	535	427	350@27M		-
#*14	OWO32G-23	2.2/3.0	65	1025	885	700	475	110	-	-	-
*15	OWS32G-14	2.2/3.0	100	1380	950	525@14m		-	-	-	-

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters							
				15	18	21	24	27	30	33	36
				Discharge in LPM							
*16	OWM32(1PH)G-36-WOP	2.2/3.0	50	575	480	470	430	370	310	225	125

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters					
				12	15	18	21	24	27
				Discharge in LPM					
#17	OWNH32(1PH)G-27	2.2/3.0	50	-	-	590	500	420	290
#18	OWO32(1PH)G-23	2.2/3.0	65	960	840	680	500	350@23M	

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters							
				12	16	20	24	28	36	40	48
				Discharge in LPM							
#*19	OWKS52G-48	3.7/5.0	40	475	470	465	460	460	440	390	160
#*20	OWN52G-38	3.7/5.0	50	-	-	-	760	650	315	180@38M	
#*21	OWO52G-30	3.7/5.0	65	1150	1035	890	680	425	210@30M		-
#*22	OWP52G-28	3.7/5.0	65	1260	1100	925	725	325	-	-	-

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters						
				18	21	24	27	30	33	38
				Discharge in LPM						
23	OWN52(1PH)G-38	3.7/5.0	50	800	780	730	640	550	440	180

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters						
				8	12	16	20	24	28	36
				Discharge in LPM						
#*24	OWQ52G-25	3.7/5.0	80	1480	1365	1175	925	475	275	-
#*25	OWS52G-20	3.7/5.0	100	1690	1600	1300	660	-	-	-
*26	OWP7.52G-36	5.5/7.5	65	-	-	-	1000	1000	950	575
*27	OWQ7.52G-36	5.5/7.5	80	-	1340	1340	1305	1200	1025	225
#*28	OWR7.52G-30	5.5/7.5	80	-	-	1550	1350	1060	680	280@30M
#*29	OWS7.52G-25	5.5/7.5	100	2025	1925	1780	1520	1000	-	-

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meter							
				33	36	42	45	48	51	54	57
				Discharge in LPM							
*30	OWNS7.52G-57	5.5/7.5	50	650	640	625	620	610	575	450	275
#*31	OWNH10.2G-54	7.5/10.0	50	740	700	650	575	500	400	200	-

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meter							
				20	24	27	30	33	36	39	42
				Discharge in LPM							
*32	OWPH10.2G-42	7.5/10.0	65	1650	1525	1410	1325	1200	1040	900	700
#*33	OWQH10.2G-39	7.5/10.0	80		1500	1350	1200	1050	900	500	-

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meter							
				12	15	18	21	24	27	30	33
				Discharge in LPM							
#*34	OWR10.2G-33	7.5/10.0	80	-	1900	1800	1700	1590	1430	1200	700
#*35	OWS10.2G-30	7.5/10.0	100	2050	1990	1880	1790	1650	1370	1000	-

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters				
				21	24	27	33	36
				Discharge in LPM				
36	OWQH12.52	9.3/12.5	80	-	1530	1420	1000	700
37	OWS15.2	11.0/15.0	100	2225	2100	1970	1500	1250

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters				
				21	24	27	30	33
				Discharge in LPM				
*38	OWS12.52G-33	9.3/12.5	100	2100	2000	1800	1550	1300

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meter							
				24	30	33	48	51	60	72	78
				Discharge in LPM							
39	OWPH12.52	9.3/12.5	65	-	1175	1125	480	-	-	-	-
40	OWNH15.2	11.0/15.0	50	-	-	-	-	540	480	380	280
41	OWPH15.2	11.0/15.0	65	-	1270	1220	780	550	-	-	-
42	OWR15.2	11.0/15.0	75	1950	1700	1600	900@42M		-	-	-
43	OWPH17.52	13.0/17.5	65	-	1400	1340	680	500	-	-	-
44	OWQH17.52	13.0/17.5	80	-	1675	1640	750	-	-	-	-
45	OWPH20.2	15.0/20.0	65	-	-	-	1200	1150	825		
46	OWR20.2	15.0/20.0	75	-	1850	1750	1000	800	-	-	-
47	OWPH25.2	18.5/25.0	65	-	-	-	1475	1375	1075	575	-
48	OWR25.2	18.5/25.0	75	-	-	2100	1525	1400	-	-	-
49	OWPH30.2	22.0/30.0	65	-	-	-	1600	1550	1300	850	500
50	OWR30.2	22.0/30.0	75	-	-	2200	1700	1575	1100	-	-

Performance Table : Horizontal Multistage Openwell (1Ph)

Sr. No.	Rating	Motor kW/HP	Stage	Outlet Size mm	Head In Meters							
					15	20	25	30	35	40	45	50
					Discharge in LPM							
1	TOJ1.52SS(1PH)	1.1/1.5	2	40	170	145	130	110	80	40	-	-
2	TOJ22SS(1PH)	1.5/2.0	2	40	-	175	160	155	135	110	80	20

Sr. No.	Rating	Motor kW/HP	Stage	Outlet Size mm	Head In Meters						
					58	56	53	47	40	38	11
					Discharge in LPM						
3	OWHM1.52C9A	1.1/1.5	9	40	10	40	60	90	115	125	170

Sr. No.	Rating	Motor kW/HP	Stage	Outlet Size mm	Head In Meters						
					75	70	65	60	50	40	15
					Discharge in LPM						
4	OWHM22C12A	1.5/2.0	12	40	25	70	90	100	120	140	180

Performance Table for Openwell Ultima Series

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters							
				8	12	16	20	24	28	32	36
				Discharge in LPM							
*1	OWKS32G-36U	2.2/3.0	40	400	395	390	380	365	340	270	155
*2	OWNH32G-27U	2.2/3.0	50	-	-	620	520	410	330 @27M		-
*3	OWNH32Z-27U	2.2/3.0	50	-	-	690	580	430	300 @ 27M		-
*4	OWO32G-23U	2.2/3.0	65	1000	875	690	460	100	-	-	-

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters							
				15	20	22	24	26	28	32	36
				Discharge in LPM							
*5	OWKS32Z-36U	2.2/3.0	40	400	395	390	380	365	340	270	140

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters								
				8	12	16	20	24	28	36	40	48
				Discharge in LPM								
*6	OWKS52G-48U	3.7/5.0	40	460	455	450	445	440	435	400	350	100
*7	OWKS52Z-48U	3.7/5	40	460 @ 10m	455	450	445	440	435	400	350	50
*8	OWN52G-38U	3.7/5.0	50	-	-	-	-	700	640	310	170@38M	
*9	OWP52G-28U	3.7/5.0	65	-	1230	1100	925	725	310	-	-	-
*10	OWP52Z-28U	3.7/5.0	65	-	1150	1050	900	700	310	-	-	-
*11	OWQ52Z-25U	3.7/5.0	80	1445	1330	1150	900	475	450 @25M		-	-

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters				
				7	11	15	19	20
				Discharge in LPM				
*12	OWS52Z-20U	3.7/5.0	100	1600	1450	1150	630	370

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters							
				23	25	28	30	33	35	38	39
				Discharge in LPM							
*13	OWN52Z-38U	3.7/5.0	50	700	650	600	520	430	300	100	0

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters						
				8	12	16	20	24	28	36
				Discharge in LPM						
*14	OWP7.52G-36U	5.5/7.5	65	-	-	-	950	925	900	550
*15	OWP7.52Z-36U	5.5/7.5	65	-	-	-	950	920	870	520
*16	OWS7.52G-25U	5.5/7.5	100	2000	1910	1750	1500	980	-	-

Sr. No.	Rating	Motor kW/HP	Outlet Size mm	Head In Meters								
				33	36	39	42	45	48	51	54	57
				Discharge in LPM								
*17	OWNS7.52G-57U	5.5/7.5	50	630	625	620	600	580	550	500	350	200
*18	OWNS7.52Z-57U	5.5/7.5	50	630	625	620	600	570	520	450	320	200

Note

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. Up to 2 HP Pumps are with Stainless steel motor body
4. * Models are suitable to operate in wide voltage range
5. FS- Five star rated models
6. # - 3 Star rated models
7. OW-Z Ultima series - Hammer tone double coated paint with water repellent properties

Material of Construction:

Sr.No.	PART	MOC
1	End Shield (NDE)/ Lower Housing	Cast Iron-Grade FG 200
2	Impeller	Cast Iron-Grade FG 200
3	Impeller - OWHM Series	Noryl
4	Volute	Cast Iron-Grade FG 200
5	Motor body with grade.	Stainless Steel - SS202 / Cast Iron-Grade FG 200
6	Adaptor / Upper Housing.	Cast Iron-Grade FG 200
7	Motor shaft	Stainless Steel-SS410
8	DE/NDE bearing	Carbon Vs SS on DE & NDE side
9	Strainer	Stainless Steel-SS202/Nylon
10	Strainer (OW-Z Ultima Series)	Plastic with SS mesh
10	Bearing Bush	Bronze LTB-4
11	Delivery Flange	Cast Iron-Grade FG 200
12	Fasteners	Stainless Steel-SS202
13	Fasteners (OW-Z Ultima Series)	Stainless Steel-SS410
14	Sealing	Mechanical seal
15	Sealing (OW-Z Ultima Series)	Double oil seal
16	Winding	Polywrap Copper



Vertical Openwell Submersible Pumps

Crompton

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

WARRANTY 1 YEAR WARRANTY

Wide Voltage Application
Designed to withstand wide voltage fluctuations & Provides Consistent Performance

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

Easy For Maintenance
Easily replaceable wear & tear Parts, Low maintenance cost

Technical Specifications:

- Range: 1HP to 20HP (0.75kW to 15kW)
- Voltage range: 250-440V(3 Ph models) & 160-240V(1 Ph models)
- Rated Frequency: 50Hz
- Delivery pipe Size: 32 mm to 100 mm
- Max. head: Upto 180 Meters
- Max. Discharge: Upto 1800 LPM
- Liquid: Clear Water
- Rotation: Clockwise as viewed from Motor end
- Connection: Series Parallel (1Ph model), Star (Upto 7.5 HP) & Delta (Above 7.5 HP)
- Motor type: Water Filled motor

Application:

- Agricultural Farms
- Sprinkler Irrigation
- Drinking water supplies
- Water supply for industrial
- Drip Irrigation
- Gardening

Performance Table 1 Phase:

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size (mm)	Discharge in LPM				
					20	40	60	100	120
					Head in Meter				
1	CROSVS7B-1	7	0.75/1.0	32	53	49	39	14	8
2	CROSVS10B-1	10	0.75/1.0	32	68	64	53	23	11

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM					
					20	30	50	60	70	80
					Head In Meter					
3	CROSVS8R2-1.5	8	1.1/1.5	32	71	68	63	60	57	52

Performance Table 3 Phase:

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM							
					200	250	340	420	480	550	600	700
					Head In Meter							
1	CROSVS2T30-5	2	3.7/5.0	65	43	42	39	36	33	30	26	19
2	CROSVS3T30-7.5	3	5.5/7.5	65	64	63	58	54	50	44	38	28
3	CROSVS4T30-10	4	7.5/10.0	65	86	84	77	73	66	59	51	37

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM							
					125	170	250	300	340	400	450	520
					Head In Meter							
4	CROSVS3T25-5	3	3.7/5.0	50	57	56	52	48	44	38	32	22
5	CROSVS4T25-7.5	4	5.5/7.5	50	76	75	69	64	58	51	42	29
6	CROSVS6T25-10	6	7.5/10.0	50	114	112	104	96	87	77	63	44

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					75	125	175	225	250	300	350
					Head In Meter						
*7	CROSV6G-5-50	6	3.7/5.0	50	98	90	81	68	60	38	18
*8	CROSV9G-7.5-50	9	5.5/7.5	50	147	135	122	102	90	57	20
*9	CROSV11G-10-50	11	7.5/10.0	50	180	165	145	120	105	60	30

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM							
					300	450	480	550	650	700	760	820
					Head In Meter							
10	CROSVS4T35-12.5	4	9.3/12.5	65	96	82	80	74	68	59	48	42
11	CROSVS5T35-15	5	11.0/15.0	65	105	103	100	93	85	73	60	53
12	CROSVS6T35-17.5	6	13.0/17.5	65	126	124	120	112	102	88	72	64
13	CROSVS7T35-20	7	15.0/20.0	65	147	144	140	130	119	102	84	74

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM				
					1000	1250	1550	1700	1800
					Head In Meter				
14	CROSVS5M35HB20	5	15.0/20.0	100	72	60	42	33	32

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. * Models are with 3 star rating

Material of Construction:

Sr.No.	PART	MOC
1	Lower Housing	Cast Iron Gr. FG 200
2	Impeller & Diffuser - Up to 2HP	Noryl
3	Impeller & Diffuser - Above 2HP	Cast Iron Gr. FG 200
4	Motor body - 1Ph VOW	Stainless Steel - SS202
5	Motor body - 3Ph VOW	Cast Iron Gr. FG 200
6	NRV	Cast Iron Gr. FG 200
7	Adaptor / Upper Housing.	Cast Iron Gr. FG 200
8	Motor shaft	Stainless Steel - SS410
9	Thrust bearing	Carbon Vs SS
10	Strainer	Stainless Steel - SS202
11	Bearing Bush	LTB-4
12	Delivery Flange	Cast Iron Gr. FG 200
13	Fasteners	Stainless Steel - SS202
14	Winding	Polywrap Copper

4VO Series Borewell Submersible Pumps

Crompton

High Quality Noryl
High quality virgin noryl components for longer life

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

In Built Check Valve
In built check valve prevents pump parts from damage due to sudden back pressure

Anti-Rust CED Coating
CED coating offers longer life against corrosion

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:

- Range: 2.0HP & 3.0HP (1.5kW & 2.2 kW)
- Rated voltage: 220V for 1PH & 415V for 3PH
- Voltage range: 180V – 240V for 1PH & 350V – 440V for 3PH
- Rated Frequency: 50Hz
- Delivery pipe size: 38mm to 65mm
- Max. Head: Upto 90meter
- Max. Discharge: Upto 500LPM
- Liquid: Clear water
- Motor type: Oil filled motor

Application:

- Sprinkler irrigation
- Drip irrigation
- Agricultural farms
- Multistoried Buildings
- Construction sites
- Water supply for Industrial / Commercial Establishment
- Gardening

Performance Table

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM							
					120	200	250	300	350	400	450	500
					Head In Meters							
*1	4VO6RS3	6	2.2/3.0	65	33	30	27	24	21	18	15	12

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM				
					70	85	110	130	150
					Head In Meters				
2	4VO15RA3	15	2.2/3.0	38	90	80	78	68	50

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM							
					110	130	160	190	220	230	240	250
					Head In Meters							
3	4VO8RP2	8	1.5/2.0	50	43	37	35	27	23	15	13	12

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. * Model is with CI Impeller & Bowl

Material of Construction:

Sr.No.	PART	MOC
1	Bowl	Noryl / Cast Iron-Grade FG 200
2	Impeller	Noryl / Cast Iron-Grade FG 200
3	Pump Shaft	Stainless Steel-SS410
4	NRV Body	Cast Iron-Grade FG 200
5	Motor Body	Stainless Steel-SS304
6	Pump Jacket	Stainless Steel-SS202
7	Upper Housing	Cast Iron-Grade FG 200
8	Bearing	Standard
9	Motor Shaft	Stainless Steel-SS410
10	Strainer	Stainless Steel-SS202
11	Fastener	Stainless Steel-SS410
12	Sealing	Oil seal/Mechanical seal (Ceramic Vs Carbon)
13	Motor Base	Cast Iron-Grade FG 200
14	Winding	Enameled Copper

4W Series Borewell Submersible Pumps

Crompton

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

WARRANTY 1 YEAR WARRANTY

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

In Built Check Valve
In built check valve prevents pump parts from damage due to sudden back pressure

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:

- Range: 2.0HP to 5HP (1.5kW to 3.7kW)
- Rated voltage: 220V for 1PH & 415V for 3PH
- Voltage range: 180V – 240V for 1PH & 350V – 440V for 3PH
- Rated Frequency: 50Hz
- Delivery pipe size: 32mm to 65mm
- Max. Head: Upto 330meter
- Max. Discharge: Upto 500LPM
- Liquid: Clear water
- Motor type: Water filled motor

Application:

- Sprinkler irrigation
- Drip irrigation
- Agricultural farms
- Multistoried Buildings
- Construction sites
- Water supply for Industrial / Commercial Establishment
- Gardening

Performance Table for Radial Flow Pumps

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM				
					70	85	110	130	150
					Head In Meter				
1	4W12BG3D-50/ 4W12BG3DTP-50	12	2.2/3.0	50	74	71	66	60	50
2	4W15BG3D/ 4W15BG3D-50/ 4W15BG3DTP	15	2.2/3.0	40/50	91	86	78	68	56

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM						
					20	30	50	60	90	100	130
					Head In Meter						
3	4W17B3J-VX	17	2.2/3.0	40	129	122	108	79	67	52	-
4	4W17D3TPJ-VX	17	2.2/3.0	40	-	184	98	84	79	67	47
5	4W30D5TPJ-VX	30	3.7/5.0	40	-	245	162	150	132	98	78

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM				
					35	50	70	80	90
					Head In Meter				
6	4W21BH3D/ 4W21BH3DTP	21	2.2/3.0	32	144	135	100	80	45
7	4W30BH3DTP	30	2.2/3.0	32	190	166	115	84	50

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM					
					10	20	30	40	50	60
					Head In Meter					
8	4W32AL3D/ 4W32AL3DTP	32	2.2/3.0	32	215	194	160	123	78	32
9	4W34AL3D/ 4W34AL3DTP	34	2.2/3.0	32	229	206	170	130	83	34
10	4W36AL3DTP/ 4W36AL3DTP	36	2.2/3.0	32	242	218	180	138	88	36
11	4W38AL3D/ 4W38AL3DTP	38	2.2/3.0	32	255	230	190	146	93	38
12	4W44AL4DTP	44	3.0/4.0	32	296	266	220	169	108	44

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM						
					10	20	30	40	50	60	70
					Head In Meter						
13	4W42AK5DTP	42	3.7/5.0	32	277	264	240	210	172	133	84
14	4W44AK5DTP	44	3.7/5.0	32	290	277	252	220	180	139	88
15	4W45AK5DTP	45	3.7/5.0	32	297	283	257	225	184	142	90
16	4W50AK5DTP	50	3.7/5.0	32	330	315	286	250	205	158	100

Performance Table for Mixed Flow Pumps

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM						
					155	210	260	315	365	400	425
					Head In Meter						
1	4W6MQ2C-65	6	1.5/2.0	65	28	25	21	18	15	13	11
2	4W6MQ2C(I)-65	6	1.5/2.0	65	28	25	21	18	15	13	11

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM							
					10	20	30	50	80	90	120	150
					Head In Meter							
3	4W8RA2C-50	8	1.5/2.0	50	50	49	49	48	45	44	38	25
4	4W8RA2C(I)-50	8	1.5/2.0	50	50	49	49	48	45	44	38	25
5	4W10RA2C-50	10	1.5/2.0	50	63	62	61	60	56	53	47	31

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM							
					100	150	200	250	300	350	400	430
					Head In Meter							
6	4W7BR3D-65/ 4W7BR3DTP-65/ 4W7BR3D(I)-65	7	2.2/3.0	65	35	33	30	27	23	19	14	10

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM				
					120	200	250	350	370
					Head In Meter				
7	4W7BJ3D-65	7	2.2/3.0	65	35	32	29	22	17

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM					
					140	170	200	240	270	330
					Head In Meter					
8	4W7F3J-VX / 4W7F3TPJ-VX	7	2.2/3.0	65	32	30	27	23	18	7
9	4W12F5TPJ-VX	12	3.7/5.0	50	50	47	42	36	28	11

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM						
					0	100	200	300	350	400	500
					Head In Meter						
10	4W10BJ5DM/ 4W10BJ5DM-65	10	3.7/5.0	50/65	60	52	45	36	30	24	10

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM		
					100	150	500
					Head In Meter		
11	4W10BR5DTP-65	10	3.7/5.0	65	51	49	5
12	4W12BR5DTP-65/ 4W12BR5D(I)-65	12	3.7/5.0	65	61	59	7

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM						
					0	100	200	260	300	400	425
					Head In Meter						
22	4W14BY5DM/ 4W14BY5DM-65	14	3.7/5.0	50/65	74	66	56	48	40	18	10

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions

Material of Construction:

Sr.No.	PART	MOC
1	Diffuser	Noryl
2	Impeller	Noryl/Delrin
3	Pump Shaft	Stainless Steel-SS410
4	NRV Body	Cast Iron-Grade FG 200
5	Motor Body	Stainless Steel-SS202
6	Pump Jacket	Stainless Steel-SS202
7	Upper Housing, Motor Base	Cast Iron-Grade FG 200
8	Bush	Bronze LTB-4
9	Motor Shaft	Stainless Steel-SS420
10	Thrust Bearing	SS Vs Carbon
11	Strainer	Stainless Steel-SS202
12	Fastener	Stainless Steel-SS410
13	Sealing	Oil seal
14	Winding	Polywrap Copper

100W Series Borewell Submersible Pumps

Crompton

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

WARRANTY 1 YEAR WARRANTY

Wide Voltage application
Designed to withstand wide voltage fluctuations & Provides Consistent Performance

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:

- Range: 3.0HP to 7.5HP (2.2kW to 5.5kW)
- Rated voltage: 220V for 1PH & 415V for 3PH
- Voltage range: 180V – 240V for 1PH & 350V – 440V for 3PH
- Rated Frequency: 50Hz
- Delivery pipe size: 32mm to 65mm
- Max. Head: Upto 263 meter
- Max. Discharge: Upto 470LPM
- Liquid: Clear water
- Motor type: Water filled motor

Application:

- Sprinkler irrigation
- Drip irrigation
- Agricultural farms
- Multistoried Buildings
- Construction sites
- Water supply for Industrial / Commercial Establishment
- Ornamental Fountains

Performance Table

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM					
					34	42	54	57	72	84
					Head in Meter					
1	100W30RH3-TP	30	2.2/3.0	32	200	197	184	170	132	80

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM					
					70	85	110	130	145	160
					Head in Meter					
2	100W12RA3-50/ 100W12RA3TP-50	12	2.2/3.0	50	72	64	62	54	40	-
3	100W15RA3 100W15RA3TP	15	2.2/3.0	50	90	80	78	68	50	44
4	100W25RA5/ 100W25RA5TP-50	25	3.7/5.0	38/50	150	133	129	113	83	-
5	100W31RA7.5TP	31	5.5/7.5	50	192	170	150	122	99	-

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM				
					35	50	80	90	100
					Head in Meter				
6	100W10RP3	10	2.2/3.0	50	55	45	34	29	17
7	100W21RJ3/ 100W21RJ3-TP	21	2.2/3.0	32	138	113	75	60	42
8	100W40RJ5-TP	40	3.7/5.0	32	263	215	143	115	95@80m

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM				
					120	200	250	350	370
					Head in Meter				
9	100W7RQ3-65/ 100W7RQ3-TP-65/ 100W7RQ3(I)-65	7	2.2/3.0	65	35	32	27	24	19

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM				
					240	340	380	425	470
					Head in Meter				
10	100W10MS5-TP	10	3.7/5.0	65	43	33	28	23	18

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions

Material of Construction:

Sr.No.	PART	MOC
1	Diffuser	Noryl
2	Impeller	Noryl
3	Pump Shaft	Stainless Steel-SS410
4	NRV Body	Cast Iron-Grade FG 200
5	Motor Body	Stainless Steel-SS202
6	Pump Jacket	Stainless Steel-SS202
7	Upper Housing, Motor Base	Stainless Steel-SS202
8	Bush	Bronze LTB-4
9	Motor Shaft	Stainless Steel-SS420
10	Thrust Bearing	SS Vs Carbon
11	Strainer	Stainless Steel-SS202
12	Fastener	Stainless Steel-SS410
13	Sealing	Oil seal
14	Winding	Polywrap Copper

4CSS Series
Stainless Steel Borewell Submersible Pumps

Crompton

WARRANTY 1 YEAR WARRANTY

High Grade Stainless Steel
Pure SS304 stainless steel construction resists corrosion and withstand tough operating conditions

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

In Built Check Valve
In built check valve prevents pump parts from damage due to sudden back pressure

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:
- Range: 3.0HP to 7.5HP (2.2kW to 5.5kW)
- Rated voltage: 220V for 1PH & 415V for 3PH
- Voltage range: 180V – 240V for 1PH & 350V – 440V for 3PH
- Rated Frequency: 50Hz
- Delivery pipe size: 40mm
- Max. Head: Upto 263meter
- Max. Discharge: Upto 470LPM
- Liquid: Clear water
- Motor type: Water filled motor

Application:
- Sprinkler irrigation
- Drip irrigation
- Agricultural farms
- Multistoried Buildings
- Construction sites
- Water supply for Industrial / Commercial Establishment
- Gardening

Performance Table

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size (mm)	Discharge in LPM						
					22	40	60	70	80	90	100
					Head In Meter						
1	4CSSF5-3030/ 4CSSF5-3030(3PH)	30	2.2/3.0	40	165	150	135	120	90	60	30
2	4CSSF5-3036/ 4CSSF5-3036(3PH)	36	2.2/3.0	40	198	180	162	144	108	72	36
3	4CSSF5-5050(3PH)	50	3.7/5.0	40	270	250	225	200	150	100	50
4	4CSSF5-6050(3PH)	50	4.5/6.0	40	270	250	225	200	150	100	50
5	4CSSF5-6060(3PH)	60	4.5/6.0	40	324	300	270	240	180	120	60
6	4CSSF5-7560(3PH)	60	5.5/7.5	40	324	300	270	240	180	120	60
7	4CSSF5-7575(3PH)	75	5.5/7.5	40	405	375	338	300	225	150	75

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions

Material of Construction:

Sr.No.	PART	MOC
1	Diffuser	Stainless Steel-SS304
2	Impeller	Stainless Steel-SS304
3	Pump Shaft	Stainless Steel-SS410/SS431
4	NRV Body	Cast Iron-Grade FG 200/SS304
5	Motor Body	Stainless Steel-SS202
6	Upper Housing, Motor Base	Cast Iron-Grade FG 200
7	Bush	Bronze LTB-4
8	Motor Shaft	Stainless Steel-SS420
9	Thrust Bearing	SS Vs Carbon
10	Strainer	Stainless Steel-SS202
11	Fastener	Stainless Steel-SS304
12	Sealing	Oil seal
13	Winding	Polywrap Copper

5W / 125W Series Borewell Submersible Pumps

Crompton

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

WARRANTY 1 YEAR WARRANTY

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

In Built Check Valve
In built check valve prevents pump parts from damage due to sudden back pressure

Easy For Maintenance
Easily replaceable wear & tear Parts, Low maintenance cost

Technical Specifications:
- Range: 5.0HP to 10HP (3.7kW to 7.5kW)
- Rated voltage: 5W-380V, 125W-350V
- Voltage range: 5W- 300-440V, 125W- 200-400V
- Rated Frequency: 50Hz
- Delivery pipe size: 32mm to 80mm
- Max. Head: Upto 480meter
- Max. Discharge: Upto 740LPM
- Liquid: Clear water
- Motor type: Water filled motor

Application:
- Sprinkler irrigation
- Drip irrigation
- Agricultural farms
- Multistoried Buildings
- Construction sites
- Water supply for Industrial / Commercial Establishment
- Gardening

Performance Table

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					0	100	200	300	490	550	710
					Head In Meter						
#1	5W5C5(1PH)DM	5	3.7/5	80	50	47	43	41	31	27	10

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM					
					228	348	420	480	540	600
					Head In Meter					
#2	5W5C5/ 125W5C5	5	3.7/5.0	80	41	38	33	29	25	20
#3	5W10C10/ 125W10C10	10	7.5/10.0	80	82	76	66	58	50	40

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					0	100	200	300	450	550	740
					Head In Meter						
#4	5W4D5(1PH)DM	4	3.7/5	80	43	39	37	34	30	25	10

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM					
					260	390	480	530	580	660
					Head In Meter					
#5	5W4D5/ 125W4D5	4	3.7/5.0	80	33	29	27	24	20	16
#6	125W5D6	5	4.5/6.0	65	41	38	33	29	25	20
#7	5W6D7.5/ 125W6D7.5	6	5.5/7.5	80	50	44	40	36	30	24
#8	5W8D10/ 125W8D10	8	7.5/10.0	80	66	60	54	46	40	32

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM					
					10	35	42	50	55	70
					Head In Meter					
*9	125W44AK5DTP	44	3.7/5.0	32	290	213	194	163	145	57
*10	125W45AK5DTP	45	3.7/5.0	32	297	218	198	167	149	59
*11	125W50AK5DTP	50	3.7/5.0	32	330	243	220	185	165	65

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					10	20	35	42	50	55	70
					Head In Meter						
*12	125W60AK6DTP-38	60	4.5/6.0	38	396	360	292	264	222	198	78
*13	125W75AK7.5DTP-38	75	5.5/7.5	38	480	450	364	330	277	247	98

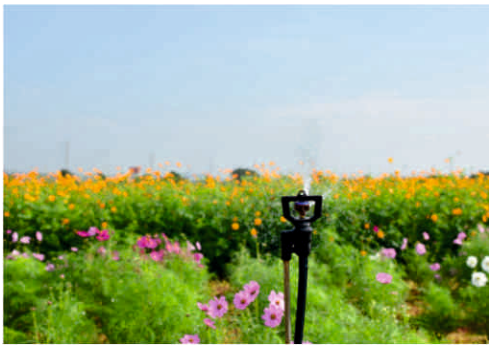
Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					10	35	45	65	75	85	95
					Head In Meter						
*14	125W56AT7.5DTP-38	56	5.5/7.5	38	450	402	370	303	250	206	151

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. * Models are in 5" pump with 5" motor construction and noryl impeller
4. # Models are in 4" pump with 5" motor construction.

Material of Construction:

Sr.No.	PART	MOC
1	Diffuser	Cast Iron-Grade FG 200/Noryl
2	Impeller	Stainless Steel-SS410/Noryl
3	Pump Shaft	Stainless Steel-SS410
4	NRV Body	Cast Iron-Grade FG 200
5	Motor Body	Stainless Steel-SS202
6	Upper Housing, Motor Base	Cast Iron-Grade FG 200
7	Bush	Bronze LTB-4
8	Motor Shaft	Stainless Steel-SS420
9	Thrust Bearing	SS Vs Carbon
10	Strainer	Stainless Steel-SS202
11	Fastener	Stainless Steel-SS410
12	Sealing	Oil seal
13	Winding	Polywrap Copper



5CSS Series
Stainless Steel Borewell Submersible Pumps

Crompton

WARRANTY 1 YEAR WARRANTY

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

High Grade Stainless Steel
Pure SS304 stainless steel construction resists corrosion and withstand tough operating conditions

Wide Voltage application
Designed to withstand wide voltage fluctuations from 250V-440V & Provides Consistent Performance

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

Easy For Maintenance
Easily replaceable wear & tear Parts, Low maintenance cost

Technical Specifications:
- Range: 5.0HP to 10HP (3.7kW to 7.5kW)
- Rated voltage: 415V for 3Ph
- Voltage range: 250V - 440V for 3PH
- Rated Frequency: 50Hz
- Delivery pipe size: 32mm & 40mm
- Max. Head: Upto 405 Meter
- Max. Discharge: Upto 100LPM
- Liquid: Clear water
- Motor type: Water filled motor

Application:
- Sprinkler irrigation
- Drip irrigation
- Agricultural farms
- Multistoried Buildings
- Construction sites
- Water supply for Industrial / Commercial Establishment

Performance Table

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					22	40	60	70	80	90	100
					Head In Meter						
1	5CSSF5-5036(3PH)	36	3.7/5.0	40	198	180	162	144	108	72	36
2	5CSSF5-5040(3PH)	40	3.7/5.0	40	216	200	180	160	120	80	40
3	5CSSF5-5050(3PH)	50	3.7/5.0	40	270	250	225	200	150	100	50
4	5CSSF5-6040(3PH)	40	4.4/6.0	40	216	200	180	160	120	80	40
5	5CSSF5-6050(3PH)	50	4.4/6.0	40	270	250	225	200	150	100	50
6	5CSSF5-6060(3PH)	60	4.4/6.0	40	324	300	270	240	180	120	60
7	5CSSF5-7530(3PH)	30	5.5/7.5	40	165	150	135	120	90	60	30
8	5CSSF5-7560(3PH)	60	5.5/7.5	40	324	300	270	240	180	120	60
9	5CSSF5-7575(3PH)	75	5.5/7.5	40	405	375	338	300	225	150	75
10	5CSSF5-1075(3PH)	75	7.5/10.0	40	405	375	338	300	225	150	75

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. All the models are in 4" pump with 5" motor construction

Material of Construction:

Sr.No.	PART	MOC
1	Diffuser	Stainless steel - SS304
2	Impeller	Stainless steel - SS304
3	Pump Shaft	Stainless steel - SS410
4	NRV Body	Stainless steel - SS304
5	Motor Body	Stainless steel - SS202
6	Suction Housing/Adaptor	Stainless steel - SS304
7	Upper and Lower Housing	Cast Iron Gr FG 200
8	Motor Base	Cast Iron Gr FG 200
9	Bush	Bronze, LTB-4
10	Motor Shaft	Stainless steel - SS420
11	Thrust Bearing	SS Vs Carbon
12	Strainer	Stainless steel - SS304
13	Sealing	Oil seal
14	Winding	Polywrap Copper

6W Ultima Series Borewell Submersible Pumps

Crompton

ULTIMATE RELIABILITY
ULTIMA
ULTIMATE PERFORMANCE

WARRANTY
1 YEAR
WARRANTY

Wide Voltage application
Designed to withstand wide voltage fluctuations from 250V-440V & Provides Consistent Performance

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

Dynamically Balanced Rotating Parts
Minimum vibrations protect components from damage during operation

Easy For Maintenance
Easily replaceable wear & tear Parts, Low maintenance cost

Technical Specifications:

- Range: 3HP to 12.5HP (2.2 kW to 9.3 kW)
- Rated voltage: 415V for 3PH
- Voltage range: 250V - 440V for 3PH
- Rated Frequency: 50Hz
- Delivery pipe size: 50mm to 100mm
- Max. Head: Upto 315 meter
- Max. Discharge: Upto 1400 LPM
- Liquid: Clear water
- Motor type: Water filled motor

Application:

- Sprinkler irrigation
- Drip irrigation
- Agricultural farms
- Multistoried Buildings
- Construction sites
- Water supply for Industrial / Commercial Establishment
- Lawn Sprinklers

Performance Table for Radial Flow Pumps

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					60	100	150	170	200	250	290
					Head In Meter						
1	6W6W3DU	6	2.2/3.0	50	61	56	47	44	35	21	8
2	6W7W3DU	7	2.2/3.0	50	72	65	54	51	41	25	9
3	6W8W3DU	8	2.2/3.0	50	82	75	62	58	47	28	10
4	6W10W4DU	10	3.0/4.0	50	99	90	76	70	58	34	10
5	6W10W5DU	10	3.7/5.0	50	103	94	79	73	61	36	12
6	6W12W5DU	12	3.7/5.0	50	123	112	93	87	71	43	14

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					50	100	150	200	250	300	330
					Head In Meter						
7	6W13W6DU	13	4.5/6.0	50	140	132	120	95	65	35	10
8	6W14W7.5DU	14	5.5/7.5	50	150	142	130	105	72	38	13
9	6W15W6DU	15	4.5/6.0	50	160	150	134	110	76	40	16
10	6W16W7.5DU	16	5.5/7.5	50	168	155	135	115	81	43	18
11	6W18W7.5DU	18	5.5/7.5	50	186	176	154	128	90	50	20
12	6W16W10DU	16	7.5/10.0	50	170	160	136	116	90	49	23
13	6W18W10DU	18	7.5/10.0	50	190	180	153	130	100	53	25
14	6W20W10DU	20	7.5/10.0	50	210	200	170	145	110	59	28
15	6W22W10DU	22	7.5/10.0	50	230	218	192	162	121	72	36
16	6W24W12.5DU	24	9.3/12.5	50	270	253	232	193	138	73	39
17	6W26W12.5DU	26	9.3/12.5	50	290	270	250	215	155	82	42
18	6W28W12.5DU	28	9.3/12.5	50	315	295	270	225	160	85	45

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					130	190	240	280	310	350	390
					Head In Meter						
19	6W4J3DU	4	2.2/3.0	50	44	42	37	33	29	22	13
20	6W5J3DU	5	2.2/3.0	50	55	53	46	41	36	28	16
21	6W6J5DU	6	3.7/5.0	50	67	64	57	51	44	34	21
22	6W8J5DU	8	3.7/5.0	50	88	84	74	66	57	44	26

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM							
					100	150	200	250	300	350	400	450
					Head In Meter							
23	6W8J6DU	8	4.5/6.0	50	90	87	84	71	60	46	24	-
24	6W10J6DU	10	4.5/6.0	50	110	107	100	86	69	50	25	-
25	6W10J7.5DU	10	5.5/7.5	50	112	109	102	88	71	52	26	-
26	6W12J7.5DU	12	5.5/7.5	50	132	127	114	98	80	54	27	-
27	6W14J10DU	14	7.5/10.0	50	160	156	145	135	113	92	60	21
28	6W16J12.5DU	16	9.3/12.5	50	185	180	170	150	125	94	62	23
29	6W18J12.5DU	18	9.3/12.5	50	200	190	180	160	130	96	65	24

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					120	180	240	310	350	400	475
					Head In Meter						
30	6W3R3DU	3	2.2/3.0	50	36	35	33	29	25	20	10
31	6W5R5DU/ 6W5R5DU-65	5	3.7/5.0	50/65	60	58	54	48	42	33	17
32	6W6R5DU	6	3.7/5.0	50	72	70	65	58	50	40	20

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					100	200	250	300	350	400	500
					Head In Meter						
33	6W9R7.5DU/ 6W9R7.5DU S/D	9	5.5/7.5	50	106	100	94	84	72	57	18
34	6W10R10DU	10	7.5/10.0	50	120	115	110	100	85	70	30
35	6W11R10DU	11	7.5/10.0	50	140	133	130	120	105	85	33
36	6W12R12.5DU	12	9.3/12.5	50	160	150	145	135	115	90	35
37	6W14R12.5DU	14	9.3/12.5	50	175	168	160	150	130	108	50

Performance Table for Mixed Flow Pumps

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					330	450	500	600	650	700	730
					Head In Meter						
1	6W3D3DU	3	2.2/3.0	65	26	22	20	16	14	10	5
2	6W4D3DU	4	2.2/3.0	65	32	27	26	20	16	11	6
3	6W4D4DU	4	3.0/4.0	65	33	29	27	22	17	12	7
4	6W5D5DU	5	3.7/5.0	65	40	34	32	25	20	14	8

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					200	300	400	500	600	700	800
					Head In Meter						
5	6W6D6DU	6	4.5/6.0	65	57	53	47	40	30	19	4
6	6W8D7.5DU/ 6W8D7.5DU S/D	8	5.5/7.5	65	72	66	60	51	40	23	6
7	6W9D10DU	9	7.5/10.0	65	85	79	72	62	50	33	7
8	6W10D10DU	10	7.5/10.0	65	91	83	75	65	52	35	10
9	6W11D12.5DU	11	9.3/12.5	65	105	97	88	75	58	39	13
10	6W12D12.5DU	12	9.3/12.5	65	116	108	97	84	66	42	15

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM					
					440	650	700	780	840	900
					Head In Meter					
11	6W3F5DU	3	3.7/5.0	75	27	24	21	16	13	8
12	6W4F5DU	4	3.7/5.0	75	37	27	24	19	14	10
13	6W4F6DU	4	4.5/6	75	38	28	25	20	15	11

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					400	500	600	700	800	900	950
					Head In Meter						
14	6W5F6DU	5	4.5/6.0	75	45	42	38	29	20	10	5
15	6W5F7.5DU/ 6W5F7.5DU S/D	5	5.5/7.5	75	46	43	39	30	21	11	6
16	6W6F7.5DU	6	5.5/7.5	75	55	50	44	36	27	15	10
17	6W8F10DU	8	7.5/10.0	75	75	68	60	47	33	15	7
18	6W9F12.5DU	9	9.3/12.5	75	85	78	69	55	40	20	10

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM							
					0	400	600	700	900	1100	1250	1400
					Head In Meter							
19	6W3Q6DU	3	4.5/6	75	36	31	28	26	23	18	12	6
20	6W3Q7.5DU/ 6W3Q7.5DU S/D / 6W3Q7.5DU-100	3	5.5/7.5	75/ 100	37	32	29	27	24	19	13	7
21	6W4Q7.5DU/ 6W4Q7.5DU S/D	4	5.5/7.5	75	50	42	38	36	33	24	16	8
22	6W4Q10DU	4	7.5/10	75	51	43	39	37	34	25	17	9
23	6W5Q10DU	5	7.5/10	75	62	52	47	45	40	30	22	11

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions

Material of Construction:

Sr.No.	PART	MOC
1	Bowl	Cast Iron- Grade FG 200
2	Impeller	"Noryl for Radial Flow Pump / Stainless steel (SS410) for Mixed Flow Pump"
3	Pump/Motor Shaft	Stainless Steel- SS410
4	NRV	Cast Iron - Grade FG 200
5	Suction Housing	Cast Iron - Grade FG 200
6	Motor Body	Stainless Steel- SS202
7	Upper & Lower Housing, Motor Base	Cast Iron - Grade FG 200
8	Bearing Bush	Bronze LTB-4
9	Thrust Bearing	Carbon Vs SS
10	Fasteners	Stainless Steel- SS410
11	Strainer	Stainless Steel - SS202
12	Sealing	Oil Seal
13	Winding	Polywrap Copper

6W Magna Series Borewell Submersible Pumps

Crompton

MAXIMUM RELIABILITY
MAGNA
MAXIMUM PERFORMANCE

WARRANTY
1 YEAR
WARRANTY

Wide Voltage application
Designed to withstand wide voltage fluctuations from 250V-440V & Provides Consistent Performance

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

Dynamically Balanced Rotating Parts
Minimum vibrations protect components from damage during operation

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

Easy For Maintenance
Easily replaceable wear & tear Parts, Low maintenance cost

Technical Specifications:

- Range: 3HP to 30HP (2.2 kW to 22 kW)
- Rated voltage: 415V
- Voltage range: 250V - 440V
- Rated Frequency: 50Hz
- Delivery pipe size: 50mm to 100mm
- Max. Head: Upto 427 meter
- Max. Discharge: Upto 1500 LPM
- Liquid: Clear water
- Motor type: Water filled motor

Application:

- Sprinkler irrigation
- Drip irrigation
- Agricultural farms
- Multistoried Buildings
- Construction sites
- Water supply for Industrial / Commercial Establishment
- Lawn Sprinklers

Performance Table for Radial Flow Pumps

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					0	70	130	150	200	250	300
					Head In Meter						
1	6W6W3DM	6	2.2/3.0	50	65	59	52	48	35	20	4
2	6W7W3DM	7	2.2/3.0	50	76	69	60	56	40	24	5
3	6W8W3DM	8	2.2/3.0	50	87	79	69	64	46	27	5
4	6W9W3DM	9	2.2/3.0	50	98	89	78	72	52	31	6
5	6W10W4DM	10	3.0/4.0	50	109	99	86	80	58	34	7
6	6W12W4DM	12	3.0/4.0	50	131	118	103	97	69	41	8
7	6W10W5DM	10	3.7/5.0	50	110	100	87	81	61	33	6
8	6W11W5DM	11	3.7/5.0	50	118	110	96	89	67	37	6
9	6W12W5DM	12	3.7/5.0	50	132	120	105	97	73	42	7
10	6W14W5DM	14	3.7/5.0	50	151	138	120	110	84	45	7
11	6W14W6DM	14	4.5/6.0	50	153	140	122	113	86	47	8
12	6W15W6DM	15	4.5/6.0	50	163	149	130	120	91	49	8

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					0	70	130	150	200	250	330
					Head In Meter						
13	6W16W6DM	16	4.5/6	50	170	159	139	131	102	56	8
14	6W17W6DM	17	4.5/6	50	180	169	148	139	108	60	8
15	6W18W7.5DM	18	5.5/7.5	50	191	179	157	147	115	63	9
16	6W20W7.5DM	20	5.5/7.5	50	212	199	174	164	127	70	10
17	6W21W7.5DM	21	5.5/7.5	50	223	209	183	172	134	74	10
18	6W22W7.5DM	22	5.5/7.5	50	233	219	191	180	140	77	11
19	6W24W10DM	24	7.5/10.0	50	257	241	211	198	154	85	12
20	6W25W10DM	25	7.5/10.0	50	268	251	220	206	161	89	12
21	6W26W12.5DM	26	9.3/12.5	50	278	261	228	215	167	92	13
22	6W28W12.5DM	28	9.3/12.5	50	300	281	246	231	180	99	14
23	6W30W12.5DM	30	9.3/12.5	50	321	302	263	248	193	106	15

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					0	70	130	150	200	250	280
					Head In Meter						
24	6W24W15DM	24	11/15	50	256	237	200	187	155	75	27
25	6W26W15DM	26	11/15	50	277	257	217	202	168	81	29
26	6W28W15DM	28	11/15	50	299	277	233	218	180	87	31
27	6W30W15DM	30	11/15	50	320	297	250	233	193	93	33
28	6W28W17.5DM	28	13/17.5	50	300	278	234	219	169	88	32
29	6W30W17.5DM	30	13/17.5	50	321	298	251	234	194	94	34
30	6W40W20DM	40	15/20	50	427	395	333	312	258	125	45

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					0	100	160	250	300	400	450
					Head In Meter						
31	6W4S3DM	4	2.2/3.0	50	48	44	41	35	30	16	5
32	6W5S3DM	5	2.2/3.0	50	60	55	51	44	38	20	6
33	6W6S4DM	6	3.0/4.0	50	72	66	61	52	45	24	8
34	6W7S5DM	7	3.7/5.0	50	84	77	72	61	53	28	9
35	6W8S5DM	8	3.7/5.0	50	96	88	82	70	60	32	10
36	6W9S6DM	9	4.5/6.0	50	107	97	93	81	72	38	14
37	6W10S6DM	10	4.5/6.0	50	119	108	103	90	80	42	16
38	6W10S7.5DM/ 6W10S7.5DM S/D	10	5.5/7.5	50	119	108	103	90	80	42	16
39	6W12S7.5DM	12	5.5/7.5	50	141	130	124	110	96	55	30
40	6W13S10DM	13	7.5/10	50	146	139	131	114	101	60	29
41	6W15S10DM	15	7.5/10	50	169	160	151	131	117	69	33
42	6WM16S12.5D	16	9.3/12.5	50	188	176	167	142	124	71	34
43	6WM18S12.5D	18	9.3/12.5	50	211	198	188	160	140	80	38
44	6W22S15DM	22	11/15	50	253	242	237	209	185	119	73
45	6W26S17.5DM	26	13/17.5	50	299	286	280	247	219	141	87
46	6W30S20DM	30	15/20	50	230	220	215	190	168	108	66

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					130	180	240	310	350	400	500
					Head In Meter						
47	6W3R3DM/ 6W3R3DM-65	3	2.2/3.0	50/65	37	36	34	30	26	22	12
48	6W4R4DM/ 6W4R4DM-65	4	3.0/4.0	50/65	49	48	44	40	36	31	18
49	6W5R5DM/ 6W5R5DM-65	5	3.7/5.0	50/65	61	59	55	49	45	39	23
50	6W6R5DM	6	3.7/5.0	50	72	68	63	57	51	42	24

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					110	200	250	300	350	400	510
					Head In Meter						
51	6W7R6DM/ 6W7R6DM-65	7	4.5/6.0	50/65	86	83	78	72	65	56	29
52	6W8R7.5DM/ 6W8R7.5DM-65	8	5.5/7.5	50/65	96	92	86	77	69	58	30
53	6W9R7.5DM/ 6W9R7.5DM	9	5.5/7.5	50	107	100	95	85	73	60	31
54	6W9R7.5DM-65/ 6W9R7.5DM-65 S/D	9	5.5/7.5	65	107	100	95	85	73	60	31
55	6W10R10DM/ 6W10R10DM-65	10	7.5/10.0	50/65	121	116	111	101	86	71	31
56	6W11R10DM/ 6W11R10DM-65	11	7.5/10.0	50/65	141	134	131	121	107	86	34
57	6W12R10DM/ 6W12R10DM-65	12	7.5/10.0	50/65	154	146	142	132	115	90	35

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					110	200	250	300	350	400	510
					Head In Meter						
58	6W12R12.5DM/ 6W12R12.5DM-65	12	9.3/12.5	50/65	161	151	146	136	116	91	36
59	6W13R12.5DM/ 6W13R12.5DM-65	13	9.3/12.5	50/65	165	156	150	140	122	102	47
60	6W14R12.5DM/ 6W14R12.5DM-65	14	9.3/12.5	50/65	176	169	161	151	131	109	51
61	6W15R15DM	15	11/15	50	177	165	157	145	130	110	52

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM							
					0	120	180	240	310	350	400	430
					Head In Meter							
62	6W18R20DM	18	15/20	50	220	213	208	190	165	141	118	95
63	6W20R20DM	20	15/20	50	244	237	231	211	183	157	131	106

Performance Table for Mixed Flow Pumps

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM							
					0	200	330	450	500	600	650	730
					Head In Meter							
1	6W4D3(1PH)D-75	4	2.2/3.0	65	43	37	32	27	26	20	16	6

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					350	450	500	600	650	700	750
					Head In Meter						
2	6W2D3DM/ 6W2D3DM-80	2	2.2/3.0	65/80	17	14	13	10	8	6	4
3	6W3D3DM	3	2.2/3.0	65	26	23	21	17	15	11	6
4	6W4D3DM/ 6W4D3DM-75	4	2.2/3.0	65/75	33	28	27	20	16	12	7
5	6W3D4DM/ 6W3D4DM-80	3	3.0/4.0	65/80	25	21	20	15	12	9	5
6	6W4D4DM	4	3.0/4.0	65	34	30	28	22	18	13	8
7	6W4D5DM/ 6W4D5DM-80	4	3.7/5.0	65/80	33	28	27	20	16	12	7
8	6W5D5DM	5	3.7/5.0	65	41	36	33	26	21	15	9
9	6W5D6DM/ 6W5D6DM-80	5	4.5/6	65/80	41	36	33	26	21	15	9
10	6W6D7.5DM/ 6W6D7.5DM S/D	6	5.5/7.5	65	66	58	53	42	34	24	14
11	6W6D7.5DM-80 / 6W6D7.5DM-80 S/D	6	5.5/7.5	80	66	58	53	42	34	24	14
12	6W7D10DM/ 6W7D10DM-80	7	7.5/10	65	77	67	62	49	39	28	17

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					350	450	500	600	650	700	750
					Head In Meter						
13	6W8D10DM/ 6W8D10DM-80	8	7.5/10	65/80	87	77	70	55	45	32	19
14	6W9D12.5DM/ 6W9D12.5DM-80	9	9.3/12.5	65/80	98	86	79	62	50	36	22
15	6W10D12.5DM/ 6W10D12.5DM-80	10	9.3/12.5	65/80	109	96	88	69	56	40	24

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					210	300	400	500	600	700	810
					Head In Meter						
16	6W6D6DM	6	4.5/6.0	65	58	54	48	41	31	20	5
17	6W8D7.5DM/ 6W8D7.5DM S/D	8	5.5/7.5	65	73	67	61	52	41	24	8
18	6W9D10DM	9	7.5/10.0	65	86	80	73	63	51	34	8
19	6W10D10DM	10	7.5/10.0	65	92	84	76	66	53	36	11
20	6W11D12.5DM	11	9.3/12.5	65	107	100	90	78	61	39	15
21	6W12D12.5DM	12	9.3/12.5	65	117	109	98	85	67	43	16

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					210	300	400	500	600	700	810
					Head In Meter						
16	6W6D6DM	6	4.5/6.0	65	58	54	48	41	31	20	5
17	6W8D7.5DM/ 6W8D7.5DM S/D	8	5.5/7.5	65	73	67	61	52	41	24	8
18	6W9D10DM	9	7.5/10.0	65	86	80	73	63	51	34	8
19	6W10D10DM	10	7.5/10.0	65	92	84	76	66	53	36	11
20	6W11D12.5DM	11	9.3/12.5	65	107	100	90	78	61	39	15
21	6W12D12.5DM	12	9.3/12.5	65	117	109	98	85	67	43	16

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM							
					0	350	450	504	600	660	720	760
					Head In Meter							
22	6W12D15DM	12	11/15	65	124	109	101	93	81	69	58	54
23	6W14D15DM	14	11/15	65	145	127	118	109	95	81	68	63
24	6W15D15DM	15	11/15	65	155	136	126	116	101	86	73	68
25	6W14D17.5DM	14	13/17.5	65	146	128	119	110	96	82	69	64
26	6W16D17.5DM	16	13/17.5	65	165	145	135	124	108	92	77	72
27	6W17D17.5DM	17	13/17.5	65	176	154	143	132	115	98	82	77
28	6W15D20DM	15	15/20	65	155	132	128	117	102	87	73	58
29	6W16D20DM	16	15/20	65	165	140	132	121	105	90	75	60
30	6W18D20DM	18	15/20	65	186	158	145	133	116	99	82	68
31	6W20D20DM	20	15/20	65	207	181	171	156	135	116	97	82
32	6W18D22.5DM	18	16.5/22.5	65	187	159	146	134	117	100	83	69
33	6W20D25DM	20	18.5/25	65	210	181	171	156	135	116	97	82

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM					
					440	650	700	780	840	930
					Head In Meter					
34	6W2F3DM/ 6W2F3DM-100	2	2.2/3.0	75/100	19	16	14	11	9	6
35	6W3F4DM/ 6W3F4DM-100	3	3.0/4.0	75/100	27	22	20	16	13	8
36	6W3F5DM/ 6W3F5DM-100	3	3.7/5.0	75/100	28	24	22	17	14	9
37	6W4F5DM/ 6W4F5DM-100	4	3.7/5.0	75/100	38	28	25	20	15	11

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					400	500	600	700	800	900	950
					Head In Meter						
38	6W5F6DM/ 6W5F6DM-100	5	4.5/6.0	75/100	46	43	39	31	23	13	7
39	6W5F7.5DM/ 6W5F7.5DM-100	5	5.5/7.5	75/100	48	44	40	32	24	14	8
40	6W5F7.5DM S/D / 6W5F7.5DM-100 S/D	5	5.5/7.5	75/100	48	44	40	32	24	14	8
41	6W6F7.5DM	6	5.5/7.5	75	57	53	46	37	28	16	12
42	6W6F10DM	6	7.5/10.0	75	67	61	54	43	31	18	8
43	6W8F10DM/ 6W8F10DM-100	8	7.5/10.0	75/100	76	70	62	49	35	20	9
44	6W9F12.5DM/ 6W9F12.5DM-100	9	9.3/12.5	75/100	86	79	70	56	41	22	11
45	6W10F12.5DM/ 6W10F12.5DM-100	10	9.3/12.5	75/100	97	89	79	64	46	24	13

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM							
					0	480	650	720	780	840	900	960
					Head In Meter							
46	6W9F15DM	9	11/15	75	104	83	71	64	55	48	40	33
47	6W10F15DM	10	11/15	75	116	92	79	71	61	53	44	37
48	6W10F17.5DM	10	13/17.5	75	117	93	80	72	62	54	45	38
49	6W12F17.5DM	12	13/17.5	75	139	111	95	85	73	64	53	44
50	6W12F20DM	12	15/20	75	143	112	97	86	76	66	56	46
51	6W14F20DM	14	15/20	75	166	128	113	98	88	76	66	54
52	6W16F22.5DM	16	16.5/22.5	75	190	150	129	116	104	90	78	64
53	6W14F25DM	14	18.5/25	75	160	128	113	98	88	76	66	56
54	6W16F27.5DM	16	20.5/27.5	75	185	150	129	116	104	90	76	62
55	6W18F27.5DM	18	20.5/27.5	75	205	166	145	128	110	96	80	66
56	6W18F30DM	18	22/30	75	206	167	146	129	111	97	81	67
57	6W20F30DM	20	22/30	75	225	186	162	143	123	108	90	74

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					0	600	700	900	1100	1250	1400
					Head In Meter						
59	6W2Q5DM/ 6W2Q5DM-100	2	3.7/5.0	75/100	24	19	18	16	12	7	5
60	6W3Q6DM/ 6W3Q6DM-100	3	4.5/6.0	75/100	37	29	27	24	19	13	7
61	6W3Q7.5DM/ 6W3Q7.5DM S/D	3	5.5/7.5	75	38	30	28	25	20	14	8
62	6W3Q7.5DM-100/ 6W3Q7.5DM-100 S/D	3	5.5/7.5	100	38	30	28	25	20	14	8
63	6W4Q7.5DM/ 6W4Q7.5DM S/D	4	5.5/7.5	75	51	39	37	34	25	17	9
64	6W4Q7.5DM-100 / 6W4Q7.5DM-100 S/D	4	5.5/7.5	100	51	39	37	34	25	17	9
65	6W4Q10DM/ 6W4Q10DM-100	4	7.5/10.0	75/100	52	40	38	35	26	18	10
66	6W5Q10DM/ 6W5Q10DM-100	5	7.5/10.0	75/100	63	48	46	41	31	23	12
67	6W5Q12.5DM/ 6W5Q12.5DM-100	5	9.3/12.5	75/100	64	49	47	42	32	24	13
68	6W6Q12.5DM/ 6W6Q12.5DM-100	6	9.3/12.5	75/100	76	58	55	50	40	29	15
69	"6W6Q15DM/ 6W6Q15DM-100"	6	11/15	75/100	74	56	53	50	40	30	20
70	6W7Q15DM	7	11/15	75	86	66	62	59	46	35	24
71	6W8Q15DM	8	11/15	75	98	75	71	67	53	40	27
72	6W7Q17.5DM	7	13/17.5	75	87	67	63	60	47	36	25
73	6W9Q17.5DM	9	13/17.5	75	110	84	80	75	60	45	30

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					0	600	700	900	1100	1250	1500
					Head In Meter						
74	6W8Q20DM	8	15/20	75	99	75	71	67	53	40	21
75	6W10Q20DM	10	15/20	75	123	93	88	83	67	50	26
76	6W9Q22.5DM	9	16.5/22.5	75	111	84	80	75	60	45	23
77	6W10Q25DM	10	18.5/25	75	125	97	92	83	67	49	23
78	6W12Q25DM	12	18.5/25	75	150	116	110	100	80	59	28
79	6W14Q27.5DM	14	20.5/27.5	75	171	130	125	113	90	70	33
80	6W12Q30DM	12	22/30	75	151	117	111	101	81	60	29
81	6W15Q30DM	15	22/30	75	185	142	137	128	112	95	52

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions

Material of Construction:

Sr.No.	PART	MOC
1	Bowl	Cast Iron- Grade FG 200
2	Impeller	Stainless steel (SS410)
3	Pump/Motor Shaft	Stainless Steel- SS410
4	NRV	Cast Iron - Grade FG 200
5	Suction Housing	Cast Iron - Grade FG 200
6	Motor Body	Stainless Steel- SS202
7	Upper & Lower Housing, Motor Base	Cast Iron - Grade FG 200
8	Bearing Bush	Bronze LTB-4
9	Thrust Bearing	Carbon Vs SS
10	Fasteners	Stainless Steel- SS410
11	Strainer	Stainless Steel - SS202
12	Sealing	Oil Seal
13	Winding	Polywrap Copper

6W Series Borewell Submersible Pumps

Crompton

WARRANTY 1 YEAR WARRANTY

Wide Voltage application
Designed to withstand wide voltage fluctuations from 250V-440V & Provides Consistent Performance

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

Dynamically Balanced Rotating Parts
Minimum vibrations protect components from damage during operation

Easy For Maintenance
Easily replaceable wear & tear Parts, Low maintenance cost

Technical Specifications:

- Range: 5HP to 30HP (3.7kW to 22.4kW)
- Rated voltage: 220V for 1PH & 415V for 3PH
- Voltage range: 180-260V for 1PH & 350V - 440V for 3PH
- Rated Frequency: 50Hz
- Delivery pipe size: 50mm to 80mm
- Max. Head: Upto 241 Meter
- Max. Discharge: Upto 1050LPM
- Liquid: Clear water
- Motor type: Water filled motor

Application:

- Sprinkler irrigation
- Drip irrigation
- Agricultural farms
- Multistoried Buildings
- Construction sites
- Water supply for Industrial / Commercial Establishment
- Lawn Sprinklers

Performance Table for Radial Flow Pumps

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					30	60	90	120	150	180	210
					Head In Meter						
1	6W8U3(1PH)	8	2.2/3.0	50	78	72	64	55	44	30	15
2	6W14U5(1PH)	14	3.7/5.0	50	136	126	112	97	77	53	27
3	6W22U7.5(1PH)	22	5.5/7.5	50	213	198	176	152	121	84	42

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					65	90	117	140	165	190	215
					Head In Meter						
4	6W6V3(1PH)	6	2.2/3.0	50	61	57	48	44	36	27	17
5	6W7V3(1PH)	7	2.2/3.0	50	71	66	56	51	42	31	20
6	6W12V5(1PH)	12	3.7/5.0	50	121	113	96	88	72	53	35
7	6W16V7.5(1PH)	16	5.5/7.5	50	162	151	128	118	96	71	46
8	6W18V7.5(1PH)	18	5.5/7.5	50	182	170	144	132	108	80	52

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					90	120	150	180	210	240	270
					Head In Meter						
9	6W8X5(1PH)	8	3.7/5.0	50	80	77	72	65	58	49	39
10	6W12X7.5(1PH)	12	5.5/7.5	50	121	116	108	97	87	74	59
11	6W22X15	22	11/15	50	221	213	198	178	160	136	108
12	6W24X15	24	11/15	50	241	232	216	194	174	148	118

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM				
					60	120	180	240	280
					Head In Meter				
13	6W11W5FS	11	3.7/5	50	108	95	76	40	10
14	6W14W5FS	14	3.7/5	50	131	119	91	45	13

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					135	190	240	280	310	350	380
					Head In Meter						
15	6W6J5(1PH)	6	3.7/5.0	50	65	60	54	47	40	34	27
16	6W9J7.5(1PH)	9	5.5/7.5	50	97	90	81	71	60	51	41
17	6W10J7.5(1PH)	10	5.5/7.5	50	108	99	90	79	67	56	45

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					120	180	240	310	350	400	430
					Head In Meter						
18	6W3R3(1PH)	3	2.2/3.0	50	36	35	32	28	23	20	16
19	6W5R5(1PH)	5	3.7/5.0	50	59	58	53	46	39	33	26
20	6W7R7.5(1PH)	7	5.5/7.5	50	83	81	74	64	55	46	37
21	6W8R7.5(1PH)	8	5.5/7.5	50	95	93	84	74	63	52	42
22	6W15R15	15	11/15	50	178	174	159	137	118	99	79
23	6W20R20	20	15/20	50	237	231	211	183	157	131	106

Performance Table for Mixed Flow Pumps

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					230	300	370	440	510	580	650
					Head In Meter						
1	6W4N3(1PH)	4	2.2/3.0	65	35	33	31	27	23	18	10

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					315	400	444	520	570	620	660
					Head In Meter						
2	6W5O5(1PH)	5	3.7/5.0	65	38	35	33	28	24	19	15
3	6W8O7.5(1PH)	8	5.5/7.5	65	65	62	57	48	42	34	27
4	6W14O15	14	11/15	65	120	112	103	89	77	64	51
5	6W15O15	15	11/15	65	127	120	110	95	82	68	55
6	6W16O17.5	16	13/17.5	65	139	132	121	105	90	75	60
7	6W20O20	20	15/20	65	169	157	144	125	107	90	72

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					180	300	420	540	600	660	720
					Head In Meter						
8	6W4D3(I)/ 6W4D3(I)-80	4	2.2/3.0	65	36	33	28	22	18	14	8
9	6W5D5(I)	5	3.7/5.0	65	45	40	35	27	22	16	10

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					350	450	504	600	660	720	760
					Head In Meter						
10	6W4D5(1PH)-80	4	3.7/5.0	80	34	31	29	24	21	17	14
11	6W6D7.5(1PH)	5	5.5/7.5	65	54	51	47	40	35	29	24
12	6W12D15	12	11/15	65	109	101	93	81	69	58	54
13	6W14D17.5	14	13/17.5	65	125	119	109	95	81	68	57
14	6W15D20	15	15/20	65	132	128	117	102	87	73	58
15	6W16D20	16	15/20	65	140	132	121	105	90	75	60
16	6W20D25	20	18.7/25	65	181	171	156	135	116	97	82

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					180	300	540	600	660	780	860
					Head In Meter						
17	6W4F5(I)	4	3.7/5.0	75	42	39	31	28	24	15	10

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					480	650	720	780	840	900	960
					Head In Meter						
18	6W3F5(1PH)	3	3.7/5.0	75	27	24	21	18	16	13	-
19	6W9F15	9	11/15	75	83	71	64	55	48	40	33
20	6W10F17.5	10	13/17.5	75	92	79	74	66	56	48	38
21	6W14F25	14	18.7/25	75	128	113	98	88	76	66	54
22	6W18F30	18	22.5/30	75	166	145	128	110	96	80	66

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					540	660	744	840	900	960	1050
					Head In Meter						
23	6W8G15	8	11/15	75	72	68	63	58	56	53	48
24	6W9G17.5	9	13/17.5	75	81	78	71	65	63	59	54
25	6W10G20	10	15/20	75	90	88	79	77	75	70	60
26	6W15G30	15	22.5/30	75	132	128	119	117	115	105	90

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM						
					420	495	690	750	810	870	930
					Head In Meter						
27	6W10E15	10	11/15	75	88	84	67	59	49	39	29
28	6W12E17.5	12	13/17.5	75	98	92	71	61	50	40	30
29	6W14E20	14	15/20	75	125	108	82	73	60	48	32
30	6W20E30	20	22.4/30	75	176	168	134	118	98	78	58

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions

Material of Construction:

Sr.No.	PART	MOC
1	Diffuser	Cast Iron-Grade FG 200
2	Impeller	Stainless Steel SS410
3	Pump Shaft	Stainless Steel-SS410
4	NRV Body	Cast Iron-Grade FG 200
5	Motor Body	Stainless Steel-SS202
6	Upper Housing, Motor Base	Cast Iron-Grade FG 200
7	Bush	Bronze LTB-4
8	Motor Shaft	Stainless Steel-SS420
10	Thrust Bearing	SS Vs Carbon
11	Strainer	Stainless Steel-SS202
12	Fastener	Stainless Steel-SS410
13	Sealing	Oil seal
14	Winding	Polywrap Copper

650CS Series
Stainless Steel Borewell Submersible Pumps

High Grade Stainless Steel
Pure SS304 stainless steel construction resists corrosion and withstand tough operating conditions

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

Dynamically Balanced rotating parts
Minimum vibrations protect components from damage during operation

Wide Voltage application
Designed to withstand wide voltage fluctuations from 250V-440V & Provides Consistent Performance

Easy For Maintenance
Easily replaceable wear & tear Parts, Low maintenance cost

Technical Specifications:
- Range: 3HP to 35HP (2.2 kW to 26 kW)
- Rated voltage: 415V for 3PH
- Voltage range: 250V - 440V for 3PH
- Rated Frequency: 50Hz
- Delivery pipe size: 65mm
- Max. Head: Upto 600 meter
- Max. Discharge: Upto 860 LPM
- Liquid: Clear water
- Motor type: Water filled motor

Application:
- Bungalows
- Buildings, Flats
- Hotels
- Garages
- Laundries
- Car Washing & Booster application
- Small Farms & Lawn Sprinklers

Performance Table for 650CS Series: Radial Flow

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM							
					60	80	100	120	140	160	190	220
					Head In Meter							
1	650CS50-0306	6	2.2/3.0	65	85	82	78	70	62	52	35	16
2	650CS50-0408	8	3.0/4.0	65	113	110	105	94	82	70	47	21
3	650CS50-0510	10	3.7/5.0	65	142	137	131	117	103	87	59	26
4	650CS50-0612	12	4.5/6.0	65	170	165	157	141	124	104	70	31
5	650CS50-7515	15	5.5/7.5	65	212	206	196	176	155	131	88	39
6	650CS50-1020	20	7.5/10	65	283	275	261	235	206	174	117	52
7	650CS50-12525	25	9.3/12.5	65	354	344	327	293	258	218	147	65

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					80	120	140	160	180	220	225
					Head In Meter						
1	650CS60-0508	8	3.7/5.0	65	112	105	100	92	82	65	45
2	650CS60-0610	10	4.5/6.0	65	140	130	125	115	100	80	60
3	650CS60-7512	12	5.5/7.5	65	166	155	152	140	125	95	70
4	650CS60-1016	16	7.5/10.0	65	220	205	190	186	165	125	95
5	650CS60-1524	24	11.0/15.0	65	332	308	295	280	250	190	140
6	650CS60-17527	27	13.0/17.5	65	395	370	345	320	275	210	150
7	650CS60-2030	30	15.0/20.0	65	430	410	385	360	310	240	180
8	650CS60-2534	34	18.5/25.0	65	496	470	442	408	333	262	198
9	650CS60-3040	40	22.5/30.0	65	600	560	525	490	450	320	300

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					150	180	200	230	270	300	330
					Head In Meter						
1	650CS80-0304	4	2.2/3.0	65	55	56	52	48	40	32	20
2	650CS80-0506	6	3.7/5.0	65	82	84	78	72	58	45	32
3	650CS80-0608	8	4.5/6.0	65	115	110	102	96	78	60	42
4	650CS80-7510	10	5.5/7.5	65	140	136	128	120	95	75	55
5	650CS80-1012	12	7.5/10.0	65	170	165	155	144	115	90	65
6	650CS80-12515	15	9.3/12.5	65	205	200	190	180	145	110	80
7	650CS80-1518	18	11.0/15.0	65	265	250	230	216	175	135	105
8	650CS80-17521	21	13.0/17.5	65	300	290	270	252	200	160	120
9	650CS80-2024	24	15.0/20.0	65	350	332	312	288	235	185	140
10	650CS80-3034	34	22.5/30.0	65	496	470	442	408	333	262	198
11	650CS80-3540	40	26.0/35.0	65	550	525	505	460	380	300	200

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					180	210	260	280	320	350	390
					Head In Meter						
1	650CS100-7508	8	5.5/7.5	65	110	102	88	80	62	45	22
2	650CS100-1010	10	7.5/10.0	65	135	126	112	100	80	60	30
3	650CS100-12512	12	9.3/12.5	65	165	150	130	120	96	70	35
4	650CS100-1515	15	11.0/15.0	65	205	190	162	150	115	86	42
5	650CS100-17518	18	13.0/17.5	65	250	230	195	180	140	110	52
6	650CS100-2020	20	15.0/20.0	65	275	255	225	200	160	120	60
7	650CS100-2525	25	18.5/25.0	65	338	315	280	250	200	150	75
8	650CS100-3028	28	22.5/30.0	65	378	353	315	280	225	168	84

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					250	340	380	420	480	520	560
					Head In Meter						
1	650CS125-0504	4	3.7/5.0	65	54	48	44	40	32	22	10
2	650CS125-7506	6	5.5/7.5	65	80	70	66	60	45	34	16
3	650CS125-1008	8	7.5/10.0	65	108	94	88	80	60	45	24
4	650CS125-12510	10	9.3/12.5	65	135	120	110	100	75	55	28
5	650CS125-17514	14	13.0/17.5	65	190	165	155	140	110	80	40
6	650CS125-2016	16	15.0/20.0	65	220	190	175	160	120	90	45
7	650CS125-2520	20	18.5/25.0	65	275	238	219	200	150	113	56
8	650CS125-3024	24	22.5/30.0	65	330	285	263	240	180	135	68

Sr. No.	Rating	No. Of Stag-es	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					270	380	420	450	520	550	590
					Head In Meter						
1	650CS150-0604	4	4.5/6.0	65	54	48	44	40	30	22	15
2	650CS150-7505	5	5.5/7.5	65	66	60	55	50	38	30	18
3	650CS150-1007	7	7.5/10	65	92	82	77	70	52	40	26
4	650CS150-12508	8	9.3/12.5	65	105	94	88	80	60	45	30
5	650CS150-1510	10	11.0/15.0	65	135	120	110	100	80	60	40
6	650CS150-17512	12	13.0/17.5	65	158	142	130	120	92	70	45
7	650CS150-2013	13	15.0/20.0	65	172	155	142	130	100	75	50
8	650CS150-2516	16	18.5/25.0	65	211	190	174	160	123	92	60
9	650CS150-3018	18	22.5/30.0	65	238	214	196	180	138	103	69

Performance Table for 650CS Ultima Series: Radial Flow

Sr. No.	Rating	No. Of Stag-es	Motor kW/HP	Outlet Size mm	Discharge in LPM							
					60	80	100	120	140	160	190	220
					Head In Meter							
1	650CS50-0306U	6	2.2/3.0	65	85	82	78	70	62	52	35	16
2	650CS50-0408U	8	3.0/4.0	65	113	110	105	94	82	70	47	21
3	650CS50-0510U	10	3.7/5.0	65	142	137	131	117	103	87	59	26
4	650CS50-0612U	12	4.5/6.0	65	170	165	157	141	124	104	70	31
5	650CS50-7515U	15	5.5/7.5	65	212	206	196	176	155	131	88	39
6	650CS50-1020U	20	7.5/10	65	283	275	261	235	206	174	117	52
7	650CS50-12525U	25	9.3/12.5	65	354	344	327	293	258	218	147	65
8	650CS50-1530U	30	11.0/15.0	65	425	412	392	352	309	261	176	78

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					80	120	140	160	180	220	225
					Head In Meter						
1	650CS60-0305U	5	2.2/3.0	65	70	65	62	58	52	40	30
2	650CS60-0407U	7	3.0/4.0	65	98	95	90	81	72	55	40
3	650CS60-0508U	8	3.7/5.0	65	112	105	100	92	82	65	45
4	650CS60-0610U	10	4.5/6.0	65	140	130	125	115	100	80	60
5	650CS60-7512U	12	5.5/7.5	65	166	155	152	140	125	95	70
6	650CS60-1016U	16	7.5/10	65	220	205	190	186	165	125	95
7	650CS60-12520U	20	9.3/12.5	65	275	260	240	230	205	160	120
8	650CS60-1524U	24	11.0/15.0	65	332	308	295	280	250	190	140

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					150	180	200	230	270	300	330
					Head In Meter						
1	650CS80-0304U	4	2.2/3.0	65	55	56	52	48	40	32	20
2	650CS80-0405U	5	3.0/4.0	65	70	70	65	60	45	38	28
3	650CS80-0506U	6	3.7/5.0	65	82	84	78	72	58	45	32
4	650CS80-0608U	8	4.5/6.0	65	115	110	102	96	78	60	42
5	650CS80-7510U	10	5.5/7.5	65	140	136	128	120	95	75	55
6	650CS80-1012U	12	7.5/10	65	170	165	155	144	115	90	65
7	650CS80-12515U	15	9.3/12.5	65	205	200	190	180	145	110	80
8	650CS80-1518U	18	11.0/15.0	65	265	250	230	216	175	135	105

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					180	210	260	280	320	350	390
					Head In Meter						
1	650CS100-0303U	3	2.2/3.0	65	40	38	34	30	24	18	9
2	650CS100-0404U	4	3.0/4.0	65	55	50	45	40	32	24	12
3	650CS100-0505U	5	3.7/5.0	65	70	65	55	50	40	30	15
4	650CS100-0606U	6	4.5/6.0	65	82	76	66	60	48	36	18
5	650CS100-7508U	8	5.5/7.5	65	110	102	88	80	62	45	22
6	650CS100-1010U	10	7.5/10	65	135	126	112	100	80	60	30
7	650CS100-12512U	12	9.3/12.5	65	165	150	130	120	96	70	35
8	650CS100-1515U	15	11.0/15.0	65	205	190	162	150	115	86	42

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					250	340	380	420	480	520	560
					Head In Meter						
1	650CS125-0403U	3	3.0/4.0	65	40	36	33	30	24	16	8
2	650CS125-0504U	4	3.7/5.0	65	54	48	44	40	32	22	10
3	650CS125-0605U	5	4.5/6.0	65	68	60	55	50	36	28	14
4	650CS125-7506U	6	5.5/7.5	65	80	70	66	60	45	34	16
5	650CS125-1008U	8	7.5/10	65	108	94	88	80	60	45	24
6	650CS125-12510U	10	9.3/12.5	65	135	120	110	100	75	55	28
7	650CS125-1512U	12	11.0/15.0	65	160	140	130	120	90	68	34

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					270	380	420	450	520	550	590
					Head In Meter						
1	650CS150-0402U	2	3.0/4.0	65	27	24	22	20	15	12	7
2	650CS150-0503U	3	3.7/5.0	65	40	36	33	30	22	16	10
3	650CS150-0604U	4	4.5/6.0	65	54	48	44	40	30	22	15
4	650CS150-7505U	5	5.5/7.5	65	66	60	55	50	38	30	18
5	650CS150-1007U	7	7.5/10	65	92	82	77	70	52	40	26
6	650CS150-12508U	8	9.3/12.5	65	105	94	88	80	60	45	30
7	650CS150-1510U	10	11.0/15.0	65	135	120	110	100	80	60	40

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					390	515	580	630	730	800	860
					Head In Meter						
1	650CS200-0402U	2	3.0/4.0	65	28	24	22	20	16	12	8
2	650CS200-0603U	3	4.5/6.0	65	42	37	33	30	24	18	12

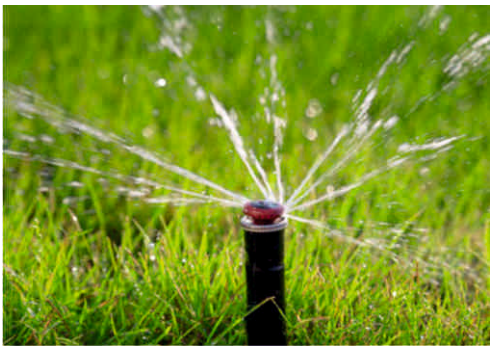
Sr. No.	Rating	No. Of Stages	Motor kW/HP	Outlet Size mm	Discharge in LPM						
					390	515	580	630	730	800	860
					Head In Meter						
3	650CS200-7504U	4	5.5/7.5	65	56	48	44	40	32	24	16
4	650CS200-1005U	5	7.5/10	65	70	60	55	50	40	30	20
5	650CS200-12506U	6	9.3/12.5	65	84	72	66	60	48	36	24
6	650CS200-1508U	8	11.0/15.0	65	112	96	88	80	64	48	32

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions

Material of Construction:

Sr.No.	PART	MOC
1	Diffuser	Stainless Steel-SS304
2	Impeller	Stainless Steel-SS410
3	Pump Shaft	Stainless Steel-SS410
4	NRV Body	Cast Iron-Grade FG 200
5	Motor Body	Stainless Steel-SS202
6	Upper Housing, Motor Base	Cast Iron-Grade FG 200
7	Bush	Bronze LTB-4
8	Motor Shaft	Stainless Steel-SS420
9	Thrust Bearing	SS Vs Carbon
10	Strainer	Stainless Steel-SS202
11	Fastener	Stainless Steel-SS410
12	Sealing	Oil seal
13	Winding	Polywrap Copper



V6-V7/ V6-V8 Janta Series
Borewell Submersible Pumps

Crompton

Wide Voltage application
Designed to withstand wide voltage fluctuations from 250V-440V & Provides Consistent Performance

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

Dynamically Balanced Rotating Parts
Minimum vibrations protect components from damage during operation

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

Easy For Maintenance
Easily replaceable wear & tear Parts, Low maintenance cost

Technical Specifications:
- Range: 4.0HP to 25HP (3.0 kW to 18.5 kW)
- Voltage range: 250V - 440V
- Rated Frequency: 50Hz
- Delivery pipe size: 100mm & 125mm
- Max. Head: Upto 104 meter
- Max. Discharge: Upto 2300 LPM
- Liquid: Clear water
- Motor type: Water filled motor

Application:
- Sprinkler irrigation
- Drip irrigation
- Agricultural farms
- Construction sites
- Ornamental Fountains
- Lawn Sprinklers
- Gardening

Performance Table for Janta Series

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor kW/HP	Bore Size	Discharge in LPM						
						500	700	900	1100	1300	1500	1700
						Head in Meter						
1	JS2B4	2	100	3.0/4.0	V7	21	19	17	13	9	-	-
2	JS2B5	2	100	3.7/5.0	V7	24	22	20	17	12	6	-
3	JS2B6	2	100	4.5/6.0	V7	28	26	24	21	17	12	8
4	JS3B6	3	100	4.5/6.0	V7	32	29	26	22	15	7	-
5	J2B7.5/JS2B7.5	2	100	5.5/7.5	V7	32	30	28	25	21	17	12
6	JS2B7.5-LV	2	100	5.5/7.5	V7	32	30	27	24	20	16	10
7	J3B7.5/JS3B7.5	3	100	5.5/7.5	V7	37	34	31	27	20	12	8
8	J2B10/JS2B10	2	100	7.5/10.0	V7	36	34	32	29	25	21	16
9	J3B10/JS3B10	3	100	7.5/10.0	V7	50	47	44	41	36	29	21
10	J4B10/JS4B10	4	100	7.5/10.0	V7	50	46	42	37	28	18	8
11	J3B12.5/JS3B12.5	3	100	9.3/12.5	V7	52	49	45	41	36	30	22
12	J4B12.5/JS4B12.5	4	100	9.3/12.5	V7	55	53	48	42	34	24	16
13	J4B15/J4B15-WX	4	100	11.0/15.0	V7	67	62	59	55	47	39	28
14	J4B17.5	4	100	13.0/17.5	V7	69	65	60	55	48	40	29
15	J5B17.5	5	100	130/17.5	V7	82	76	72	67	58	47	34
16	J4B20	4	100	15.0/20.0	V7	72	68	64	58	50	42	32
17	J5B20/J5B20-WX	5	100	15.0/20.0	V7	83	77	73	68	58	48	35
18	J5B25/J5B25-WX	5	100	18.5/25.0	V7	90	85	80	73	63	53	40
19	J6B25	6	100	18.5/25.0	V7	104	98	90	82	72	60	44

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor kW/HP	Bore Size	Discharge in LPM						
						500	700	900	1100	1300	1500	1700
						Head in Meter						
20	J2A7.5/ JS2A7.5/ JS2A7.5-LV	2	100	5.5/7.5	V8	31	30	28	25	22	18	13

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor kW/HP	Bore Size	Discharge in LPM						
						760	940	1120	1300	1480	1660	1840
						Head in Meter						
21	JS2A10	2	100	7.5/10.0	V8	34	33	31	28	25	21	14
22	LJ3K15	3	100	11.0/15.0	V8	53	51	48	44	40	34	24

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor kW/HP	Bore Size	Discharge in LPM						
						600	800	1000	1200	1400	1600	1800
						Head in Meter						
23	J3A12.5	3	100	9.3/12.5	V8	49	46	44	40	35	30	22

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor kW/HP	Bore Size	Discharge in LPM						
						650	850	1050	1250	1450	1650	1850
						Head in Meter						
24	J3A10/JS3A10	3	100	7.5/10.0	V8	45	42	39	35	29	22	13

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor kW/HP	Bore Size	Discharge in LPM						
						350	900	1400	1600	1900	2025	2100
						Head in Meter						
25	J2L10/JS2L10	2	100	7.5/10.0	V8	42	35	30	27	19	15	12
26	J2L12.5/JS2L12.5	2	100	9.3/12.5	V8	45	38	33	30	22	18	15
27	J3L12.5/JS3L12.5	3	100	9.3/12.5	V8	54	47	40	34	25	2000 @ 21M	
28	J3L15/J3L15-WX	3	100	11.0/15.0	V8	59	53	46	41	24	16	13
29	J3L17.5	3	100	13.0/17.5	V8	62	56	49	44	27	19	16
30	J4L20-WX	4	100	15.0/20.0	V8	87	73	63	57	41	33	27
31	J5L20-WX	5	100	15.0/20.0	V8	90	78	64	52	35	2000 @ 28M	
32	J4L25-WX	4	100	18.5/25.0	V8	90	76	66	60	44	36	30
33	J5L25-WX	5	100	18.5/25.0	V8	99	90	75	65	50	40	35

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor kW/HP	Bore Size	Discharge in LPM						
						850	1050	1250	1450	1650	1850	2050
						Head in Meter						
34	J2N15-WX	2	125	11.0/15.0	V8	42	40	38	36	34	31	27
35	J3M17.5-WX	3	125	13.0/17.5	V8	54	51	48	44	40	35	29
36	J3M20-WX	3	125	15.0/20.0	V8	54	51	48	44	40	35	29
37	J3N25-WX	3	125	18.5/25.0	V8	63	60	57	54	51	47	41

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor kW/HP	Bore Size	Discharge in LPM							
						0	300	600	900	1200	1500	1800	1900
						Head in Meter							
38	J4K15-WX	4	100	11/15	V8	91	82	73	64	54	35	17	8
39	J4K17.5/ J4K17.5-WX	4	100	13/17.5	V8	94	84	76	66	58	42	21	14

Performance Table for Janta Utima Series

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor	Bore Size	Discharge in LPM													
				kW/HP		0	200	400	600	850	1000	1200	1400	1500	1600	1650	1750	1800	1850
						Head in Meter													
1	JS2E4DU	2	100	3/4	V7	25	23	22	21	17	15	10	5	-	-	-	-	-	-
2	JS2E5DU	2	100	3.7/5	V7	27	25	24	23	19	17	12	9	5	-	-	-	-	-
3	JS2E6DU	2	100	4.5/6	V7	30	28	26	25	23	21	16	12	8	5	-	-	-	-
4	JS2E7.5DU	2	100	5.5/7.5	V7	37	34	32	31	28	25	21	16	13	10	8	5	-	-
5	JS3E7.5DU	3	100	5.5/7.5	V7	43	40	37	36	32	28	23	26	12	8	5	-	-	-
6	JS2E10DU	2	100	7.5/10	V7	40	37	36	34	31	29	25	21	17	15	12	7	5	
7	JS3E10DU	3	100	7.5/10	V7	56	52	50	45	42	40	36	30	25	23	15	11	9	5
8	JS4E10DU	4	100	7.5/10	V7	74	69	66	60	56	53	48	40	33	30	20	14	12	6
9	JS3E12.5DU	3	100	9.3/12.5	V7	57	53	51	46	43	41	37	31	26	24	16	12	10	6
10	JS4E12.5DU	4	100	9.3/12.5	V7	61	57	55	51	47	43	35	26	20	12	10	-	-	-

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor	Bore Size	Discharge in LPM									
				kW/HP		0	200	400	700	1000	1300	1600	1900	2250	2300
						Head in Meter									
1	JS2K7.5DU	2	100	5.5/7.5	V8	45	42	40	35	31	25	17	5	-	-
2	JS2A7.5DU	2	100	5.5/7.5	V8	-	-	-	30	27	22	16	-	-	-
3	JS3K10DU	3	100	7.5/10	V8	63	57	53	47	38	26	10	1700 @ 5m	-	-
4	JS3A10DU	3	100	7.5/10	V8	-	-	-	44	40	32	24	12	-	-
5	JS4J12.5DU	4	100	9.3/12.5	V8	83	75	70	62	48	32	12	1700 @ 5m	-	-
6	JS2L10DU	2	100	7.5/10	V8	41	39	37	35	33	30	25	18	5	-
7	JS2A10DU	2	100	7.5/10	V8	-	-	-	35	30	28	20	12	-	-
8	JS2L12.5DU	2	100	9.3/12.5	V8	43	41	39	37	35	32	27	21	8	5
9	JS3L12.5DU	3	100	9.3/12.5	V8	59	54	52	49	45	40	33	22	2200 @ 5m	-

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions

Material of Construction:

Sr.No.	PART	MOC
1	Diffuser	Cast Iron-Grade FG 200
2	Impeller	Stainless Steel-SS410
3	Pump Shaft	Stainless Steel-SS410
4	NRV Body	Cast Iron-Grade FG 200
5	Motor Body	Stainless Steel-SS202
6	Upper Housing, Motor Base	Cast Iron-Grade FG 200
7	Bush	Bronze LTB-4
8	Motor Shaft	Stainless Steel-SS420
9	Thrust Bearing	SS Vs Carbon
10	Strainer	Stainless Steel-SS202
11	Fastener	Stainless Steel-SS410
12	Sealing	Oil seal
13	Winding	Polywrap Copper

8W Series Borewell Submersible Pumps

Crompton

Wide Voltage application
Designed to withstand wide voltage fluctuations from 300V-440V & Provides Consistent Performance

1 YEAR WARRANTY

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

Dynamically Balanced rotating parts
Minimum vibrations protect components from damage during operation

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

Easy For Maintenance
Easily replaceable wear & tear Parts, Low maintenance cost

Technical Specifications:
- Range: 10HP to 60HP (7.5kW to 45kW)
- Rated voltage: 415V
- Voltage range: 300-440V
- Rated Frequency: 50Hz
- Delivery pipe size: 100mm
- Max. Head: Upto 156 meter
- Max. Discharge: Upto 2500 LPM
- Liquid: Clear water
- Rotation: Anticlockwise

Application:
- Sprinkler irrigation
- Drip irrigation
- Agricultural farms
- Multistoried Buildings
- Construction sites
- Water supply for Industrial / Commercial Establishment
- Lawn Sprinklers

Performance Table:

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM								
					0	500	700	900	1050	1200	1400	1640	1800
					Head In Meter								
1	8W2K10D-V	2	7.5/10	100	46	40	38	34	31	27	21	13	-
2	8W3K15D-V	3	11/15	100	72	62	58	54	49	44	34	23	12
3	8W3K15D-W												
4	8W4K20D-V	4	15/20	100	92	80	74	68	62	56	44	31	17
5	8W4K20D-W												

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM								
					0	600	800	1000	1210	1400	1600	1850	2000
					Head In Meter								
6	8W2L12.5D-V	2	9.3/12.5	100	47	40	36	33	29	24	17	10	-
7	8W2L12.5D-W												
8	8W3L20D-V	3	15/20	100	70	60	58	55	51	45	38	20	-
9	8W3L20D-W												
10	8W4L25D-V	4	18.5/25	100	100	84	78	72	64	55	44	32	16
11	8W4L25D-W												

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM								
					0	625	795	995	1140	1335	1480	1600	1750
					Head In Meter								
12	8W5L30D-V	5	22.5/30	100	116	104	96	88	80	70	60	50	40
13	8W5L30D-W												

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM							
					0	500	650	800	1000	1200	1400	1650
					Head In Meter							
14	8W3J12.5D-V	3	9.3/12.5	100	68	58	54	50	43	35	27	16
15	8W3J12.5D-W											

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM							
					0	600	1000	1300	1700	1900	2100	2300
					Head In Meter							
16	8W3N25D-V	3	18.5/25	100	75	69	62	58	48	41	34	25
17	8W3N25D-W											

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM								
					0	670	1020	1320	1500	1790	1980	2130	2400
					Head In Meter								
18	8W5N40D-V	5	30/40	100	124	105	98	89	83	69	60	48	25
19	8W5N40D-W												

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM							
					0	550	820	1050	1410	1700	1950	2200
					Head In Meter							
20	8W4M30D-V	4	22.5/30	100	89	77	72	68	60	51	40	26
21	8W4M30D-W											
22	8W6M45D-V	6	33/45	100	132	114	107	102	95	80	64	42
23	8W6M45D-W											

Sr. No.	Rating	No. Of Stages	Motor kW/HP	Pipe Size mm	Discharge in LPM								
					0	920	1260	1570	1620	1980	2140	2280	2500
					Head In Meter								
24	8W5P50D-V	5	37/50	100	138	114	104	96	94	78	66	57	40
25	8W5P50D-W												
26	8W6P60D-V	6	46/60	100	156	125	120	108	104	81	68	60	15
27	8W6P60D-W												

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions

Material of Construction:

Sr.No.	PART	MOC
1	Impeller	Stainless Steel-SS410
2	Bowl	Cast Iron-Grade FG200
3	Motor shaft	Stainless Steel-SS202
4	Motor base	Cast Iron-Grade FG200
5	Bearing housing	Cast Iron-Grade FG200
6	Pump shaft	Stainless Steel-SS410
7	Strainer	Stainless Steel-SS202
8	NRV	Cast Iron-Grade FG200
9	Bearing Bush	Bronze LTB-4
10	Fasteners	Stainless Steel-SS410
11	Sleeve	Stainless Steel-SS410
12	Thrust Bearing	Carbon Vs SS420
13	Motor body	Stainless Steel-SS202
14	Adapter	Cast Iron-Grade FG200
15	Winding	Polywrap Copper

10" Borewell Submersible Pumps

Crompton

Less Power Consumption
High operating efficiency results in high flow rate and low electricity consumption

WARRANTY 1 YEAR WARRANTY

High Thrust Capacity
Specially designed thrust bearing ensures highest reliability

Dynamically Balanced rotating parts
Minimum vibrations protect components from damage during operation

Easy For Maintenance
Easily replaceable wear & tear Parts, Low maintenance cost

Technical Specifications:

- Range: 25HP to 80HP (18.5kW to 60kW)
- Rated voltage: 415V
- Voltage range: 350-440V
- Rated Frequency: 50Hz
- Delivery pipe size: 150 mm
- Max. Head: Upto 150 meter
- Max. Discharge: Upto 4000 LPM
- Liquid: Clear water
- Motor type: Water filled motor

Application:

- Sprinkler irrigation
- Drip irrigation
- Agricultural farms
- Water supply for Industrial / Commercial Establishment
- Ornamental Fountains
- Lawn Sprinklers

Performance Table:

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor kW/HP	Discharge in LPM						
					1000	1400	1625	1750	1900	2000	2100
					Head In Meter						
1	D2R25	2	150	18.5/25	50	46	44	42	40	38	36
2	D3R40	3	150	30.0/40	75	69	66	63	60	57	54
3	D4R50	4	150	37.5/50	100	92	88	84	80	76	72
4	D5R65	5	150	48.5/65	125	115	110	105	100	95	90
5	D6R80	6	150	60.0/80	150	138	132	126	120	114	108

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor kW/HP	Discharge in LPM						
					1500	1750	2500	2650	2800	2950	3050
					Head In Meter						
6	D2S30	2	150	22.5/30	42	40	36	34	32	30	26
7	D3S45	3	150	33.5/45	63	60	54	51	48	45	39
8	D4S60	4	150	45.0/60	84	80	72	68	64	60	52
9	D5S80	5	150	60.0/80	105	100	90	85	80	75	65

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor kW/HP	Discharge in LPM						
					1600	1800	2100	2400	2750	3000	3200
					Head In Meter						
10	D2Q25	2	150	18.5/25	40	38	34	32	28	24	20
11	D3Q40	3	150	30.0/40	60	57	51	48	42	36	30
12	D4Q50	4	150	37.5/50	80	76	68	64	56	48	40
13	D5Q65	5	150	48.5/65	100	95	85	80	70	60	50
14	D6Q80	6	150	60.0/80	120	114	102	96	84	72	60

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor kW/HP	Discharge in LPM						
					1500	2100	2450	2700	2950	3100	3150
					Head In Meter						
15	D2T40	2	150	30.0/40	48	44	42	40	36	34	32
16	D3T60	3	150	45.0/60	72	66	63	60	54	51	48
17	D4T80	4	150	60.0/80	96	88	84	80	72	68	64

Sr. No.	Rating	No. Of Stages	Outlet Size mm	Motor kW/HP	Discharge in LPM						
					1400	2000	2500	2700	3200	3650	4000
					Head In Meter						
18	D2U50	2	150	37.5/50	68	60	52	48	40	30	20
19	D3U75	3	150	55.0/75	105	90	78	72	60	45	30

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. Motor size is 200mm (8")

Material of Construction:

Sr.No.	PART	MOC
1	Diffuser	Cast Iron-Grade FG 200
2	Impeller	Stainless Steel-SS410
3	Pump Shaft	Stainless Steel-SS410
4	NRV Body	Cast Iron-Grade FG 200
5	Motor Body	Stainless Steel-SS202
6	Upper Housing, Motor Base	Cast Iron-Grade FG 200
7	Bush	Bronze LTB-4
8	Motor Shaft	Stainless Steel-SS420
9	Thrust Bearing	SS Vs Carbon
10	Strainer	Stainless Steel-SS202
11	Fastener	Stainless Steel-SS410
12	Sealing	Oil seal
13	Winding	Polywrap Copper

Single Phase Starters (CSPS Series)

Crompton

Wide Voltage Application
Designed to withstand wide voltage fluctuations range from 160V – 250V

Overload Protection
Ensures pump protection by tripping overload relay when current exceeds its limit

Sturdy & Attractive Pushbuttons
Designed for smooth switching ON/OFF operations

Robust Enclosure Design
Robust Powder Coated Sheet Metal Enclosure

Technical Specifications:
- Range: 0.5 HP to 3.0 HP (0.37 kW to 2.2 kW)
- Rated Voltage: 220V
- Voltage Range: 160V-250V
- Frequency: 50 Hz

Application:
- Suitable for MINI Pump
- Suitable for 1PH Monoblock Pumps

Sr. No.	Model Name	Suitable for		FLC (A)	Relay Range (A)
		Motor kW	Motor HP		
1	CSPS3565	Up to 0.37	Up to 0.5	3.7	3.5-6.5
2	CSPS68117	0.55 - 1.1	0.75 - 1.5	8.6	6.8-11.7
3	CSPS110200	1.5 - 2.2	2.0 - 3.0	15.3	11-20

Three Phase
Direct On Line Starters

Crompton

WARRANTY 1 YEAR WARRANTY

Wide Voltage Application
Designed to withstand wide voltage fluctuations range from 250V – 450V

Overload Protection
Ensures pump protection by tripping over load relay when current exceeds its limit

Sturdy & Attractive Pushbuttons
Designed for smooth switching ON/OFF operations

Robust Enclosure Design
Robust Powder Coated Sheet Metal Enclosure

Technical Specifications:
- Range: 3 HP to 10 HP (2.2kW to 7.5 kW) for Surface pumps & 2HP to 7.5HP (1.5kW to 5.5kW) for submersible pumps
- Rated Voltage: 415V
- Voltage Range: 250-450V
- Frequency: 50 Hz

Application:
- Suitable for 3-Phase Monobloc pumps up to 10 HP
- Suitable for 3-Phase Borewell & Openwell submersible pumps up to 7.5 HP

Sr. No.	Model Name	Relay Range (A)	Voltage Range (V)	Suitable for kW/HP	
				Monobloc Pumps	Submersible Pumps
1	DOL4065-2S3M	4.0-6.5	250-450	2.2 / 3.0	1.5 / 2.0
2	DOL60100-3S5M	6.0-10.0	250-450	3.7 / 5.0	2.2 / 3.0
3	DOL90140-5S7.5M	9.0-14.0	250-450	5.5 / 7.5	3.7 / 5.0
4	DOL130220-7.5S10M	13.0-22.0	250-450	7.5 / 10.0	5.5 / 7.5

Three Phase Direct On Line Auto Starters

Crompton

WARRANTY 1 YEAR WARRANTY

Wide Voltage Application
Designed to withstand wide voltage fluctuations range from 250V – 450V

Overload Protection
Ensures pump protection by tripping overload relay when current exceeds its limit

Pump Protections
Overvoltage, Undervoltage, Single Phase Prevention (SPP)

Mode of operations
Auto: pump ON after restoration of power, Manual & bypass

Technical Specifications:
- Range: 3 HP to 10 HP (2.2 kW to 7.5 kW) for Surface pumps & 2 HP to 7.5 HP (1.5 kW to 5.5 kW) for submersible pumps
- Rated Voltage: 415V
- Voltage Range: 250V-450V
- Frequency: 50 Hz

Application:
- Suitable for 3-Phase Monobloc pumps up to 10 HP Borewell & Openwell Submersible pumps up to 7.5 HP

Sr. No.	Model Name	Relay Range (A)	Voltage Range (V)	Suitable for kW/HP	
				Monobloc Pumps	Submersible Pumps
1	DOL4065A-2S3M	4.0-6.5	250-450	2.2 / 3.0	1.5 / 2.0
2	DOL60100A-3S5M	6.0-10.0	250-450	3.7 / 5.0	2.2 / 3.0
3	DOL90140A-5S7.5M	9.0-14.0	250-450	5.5 / 7.5	3.7 / 5.0
4	DOL130220A-7.5S10M	13.0-22.0	250-450	7.5 / 10.0	5.5 / 7.5

Three Phase
Star Delta Starters

Crompton

Specially Designed Contactor
16A/25A 4-Pole contactor for pump ON-OFF.

Overload Protection
Ensures pump protection by tripping overload relay when current exceeds its limit

Specially Designed Timer
Specially designed Star-Delta Timer with operation range 250V-450V AC.

Wide Voltage Application
Designed to withstand wide voltage fluctuations range from 250V – 450V

Technical Specifications:
- Range: 7.5 HP to 17.5 HP (5.5 kW to 13.0 kW) for Surface pumps & 6.0 HP to 15.0 HP (4.0 kW to 11.0 kW) for submersible pumps
- Rated Voltage: 415V
- Voltage Range: 250V-450V
- Frequency: 50 Hz

Application:
- Suitable for 3-Phase Monobloc pumps Up to 17.5 HP
- Suitable for 3-Phase Borewell & Openwell submersible pumps up to 15 HP

Sr. No.	Model Name	Relay Range (A)	Voltage Range (V)	Suitable for kW/HP	
				Monobloc Pumps	Submersible Pumps
1	SD60100-5S7.5M	6.0-10.0A	250-450	5.5/7.5	3.7/5.0 & 4.0/6.0
2	SD90140-7.5S12.5M	9.0-14.0A	250-450	7.5/10.0	5.5/7.5
3	SD110180-10S15M	11.0-18.0A	250-450	9.3/12.5 & 11.0/15.0	7.5/10.0 & 9.3/12.5
4	SD130220-15S17.5M	13.0-22.0A	250-450	13.0/17.5	11.0/15.0

Single Phase Control Panels

Crompton

Overload Protection
Ensures pump protection by tripping

Special Contactor
Heavy duty contactor specially designed for handling higher voltage fluctuations and operating current

Current & Voltage Display
Robust designed VA Meter shows Current & Voltage upto 30A & 300V accurately.

Specially Designed Capacitor
Crompton Pump specific start & run capacitor ensures high starting torque and reliable

Wide Voltage Application
Designed to withstand wide voltage fluctuations range from 160V – 260V

Easy for Maintenance
Simple construction, easily replaceable wear & tear parts

Technical Specifications:
- Range: 3.0 HP (2.2 kW)
- Voltage Range: 160V-260V
- Frequency: 50 Hz

Application:
- Suitable for 4" oil filled submersible pumps
- Suitable for 4" Water filled submersible pumps

Sr. No.	Model Name	Motor kW/HP	FLC	Start Capacitor	Run Capacitor	Contactor	MCB/OLP
1	NODCP3-NS	2.2/3.0	16.0	-	72 MFD	25A	25A
2	NDCP3-FU	2.2/3.0	19.8	200-250 MFD	108 MFD	25A	25A
3	CDCP3-FU	2.2/3.0	19.8	200-250 MFD	108 MFD	25A	25A

Three Phase
Direct On Line
Control Panels

Crompton

Wide Voltage Application
Designed to withstand wide voltage fluctuations range from 250V – 450V

Overload Protection
Ensures pump protection by tripping overload relay when current exceeds its limit

Pump Protections
Overvoltage, Undervoltage, Single Phase Prevention (SPP)

Heavy duty Contactor
Specially designed heavy duty contactor for handling higher voltage fluctuations and operating current

Voltmeter & Ammeter
Voltmeter & ammeter provided for visibility of voltage & current

Mode of operations
Auto: pump ON after restoration of power, Manual & bypass

Technical Specifications:
- Range: 5 HP to 15 HP (3.7 kW to 11.0 kW) for Surface pumps & 3 HP to 10 HP (2.2 kW to 7.5 kW) for submersible pumps
- Rated Voltage: 415V
- Voltage Range: 250V-450V
- Frequency: 50 Hz

Application:
- Suitable for 3-Phase Monobloc pumps Up to 15 HP
- Suitable for 3-Phase Borewell & Openwell Submersible pumps up to 10 HP

Sr. No.	Model Name	Relay Range (A)	Voltage Range (V)	Suitable for kW/HP	
				Submersible Pumps	Monobloc Pumps
1	CP60100D	6.0-10.0	250-450	2.2 / 3.0	3.7 / 5.0
2	CP90140D	9.0-14.0	250-450	3.7 / 5.0	5.5 / 7.5
3	CP130210D	13.0-21.0	250-450	5.5 / 7.5	7.5 / 10.0
4	CP200320D	20.0-32.0	250-450	7.5 / 10	11.0/15.0

Digital Control Panels for (I) Models

Crompton

WARRANTY 1 YEAR WARRANTY

***Dry-run, Over-Voltage, Under-Voltage, Single Phasing & Locked Rotor Protection**
Ensures pump protection by tripping pump when current/voltage exceeds its limit

Heavy duty Contactor
Specially designed heavy duty contactor for handling higher voltage fluctuations and operating current

Specially Designed Capacitor
Crompton Pump specific Run capacitor ensures high torque and reliability

Settable ON/OFF Timer
Designed for Automatic Pump ON/OFF time determined by settable timer

Overload Protection
Ensures pump protection by tripping overload relay when current exceeds its limit

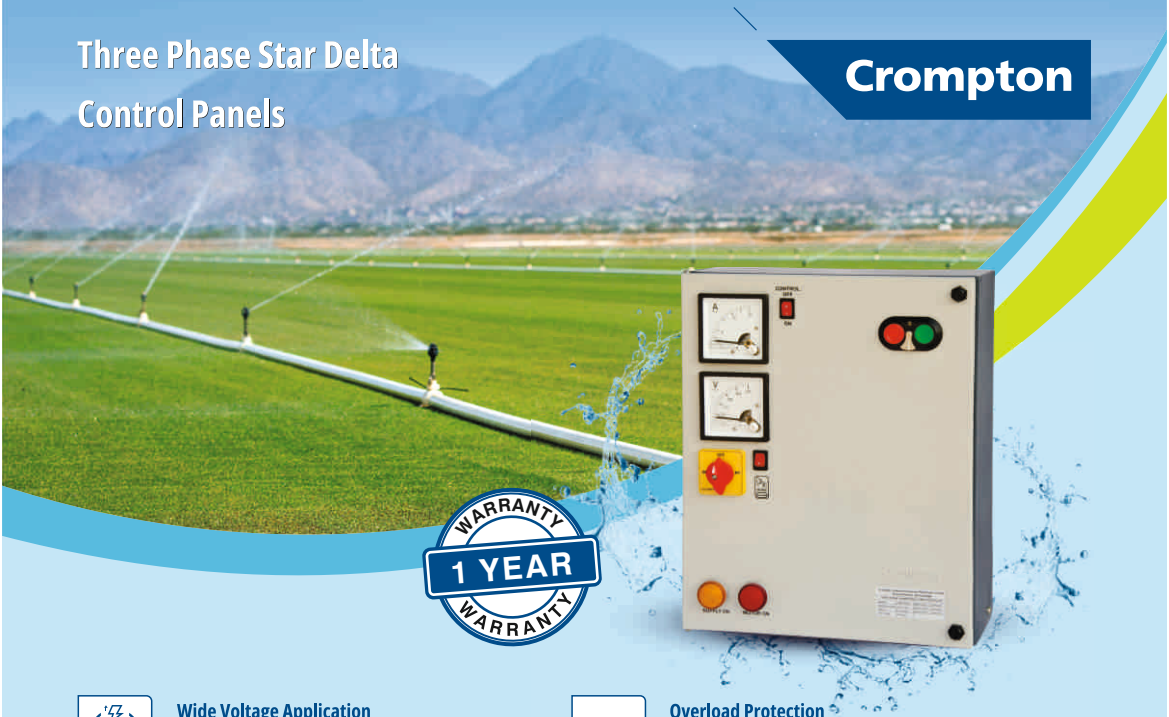
Technical Specifications:
- Range: 2.0 HP to 3.0 HP (1.5 kW to 2.2 kW)
- Rated Voltage: - 380V
- Voltage Range: - 180V-420V
- Frequency: 50 Hz
- Connection Strip: 5-Way 30A

Application:
- Suitable for Water filled Borewell/ Surface Pumps in Agricultural Application

Sr. No.	Model Name	Motor kW/HP	FLC	Start Capacitor	Run Capacitor	Contactor	Relay / MCB
1	DCP2-NS(I)	1.5/2.0	9.5	NA	36 + 36 MFD	25A	9-14A
2	DCP3-NS(I)	2.2/3.0	13.6	NA	36 + 36 MFD	25A	13-22A
*3	ADCP2-NS(I)	1.5/2.0	9.5	NA	36 + 36 MFD	25A	CT Based
*4	ADCP3-NS(I)	2.2/3.0	13.6	NA	36 + 36 MFD	25A	CT Based

Three Phase Star Delta Control Panels

Crompton



Wide Voltage Application
Designed to withstand wide voltage fluctuations range from 250V – 450V

Overload Protection
Ensures pump protection by tripping overload relay when current exceeds its limit

Pump Protections
Overvoltage, Undervoltage, Single Phase Prevention (SPP)

Heavy duty Contactor
Specially designed heavy duty contactor for handling higher voltage fluctuations and operating current

Voltmeter & Ammeter
Voltmeter & ammeter provided for visibility of voltage & current

Mode of operations
Auto: pump ON after restoration of power, Manual & bypass

Technical Specifications:
- Range: 10HP to 35HP (7.5kW to 25.0kW) for surface pumps & 6.0HP to 30.0HP (4.0kW to 22.5kW) for submersible pumps
- Rated Voltage: - 415V
- Voltage Range: - 250-450V
- Frequency: 50 Hz

Application:
- Suitable for 3-Phase Monobloc pumps from 10 HP to 35 HP
- Suitable for 3-Phase Borewell & Openwell Submersible pumps from 6 HP to 30 HP

Sr. No.	Model Name	Relay Range (A)	Voltage Range (V)	Suitable for kW/HP	
				Monobloc Pumps	Submersible Pumps
1	CP90140SD	9-14	250-450	7.5/10	4/6 & 5.5/7.5
2	CP110180SD	11-18	250-450	9.3/12.5 & 11.0/15	7.5/10.0 & 9.3/12.5
3	CP130210SD	13-21	250-450	13.0/17.5	11.0/15.0
4	CP200320SD	20-32	250-450	15/20 & 18.5/25	13.0/17.5 & 15.0/20.0
5	CP280420SD	28-42	250-450	22.5/30 & 25.0/35.0	17.5/25.0 & 22.5/30.0

3 Core Submersible Cable

Crompton

PVC Insulation of cores
Red, Yellow, Blue

Flexible Copper
Conductor

PVC Sheath
(Black)

- High grade 99.97% pure bare copper conductor
- Excellent resistance to moisture, abrasion, grease, oil
- Confirming to : ISI 694
- Longer flex life
- Excellent mechanical & electrical properties
- Temperature range: -15°C to +70°C

Sr. No.	Rating	Conductor		PVC Insulation	PVC Sheath Conductor			Resistance at 20°C (Ohms/ km)	Current Rating at 40°C (Amp)
		Nominal Area (Sq.mm)	Nos. Dia of wire (Nos./ mm)	Nominal Thickness (mm)	Nominal Thickness (mm)	Approx. Overall Dimensions (mm)			
						Thickness	Width		
1	C1.5OP3SC500	1.5	22/0.30	0.6	0.9	4.85	10.5	12.1	14
2	C2.5OP3SC500	2.5	36/0.30	0.7	1	5.6	12.6	7.41	18
3	C4OP3SC500	4	56/0.30	0.8	1	6.5	15	4.95	26
4	C6OP3SC500	6	84/0.30	0.8	1.1	7.55	17.65	3.3	31

Crompton

Pumping out untreated wastewater and sewage with efficient Sewage Submersible Pumps & Dewatering Pumps

SPECIALITY PUMPS EXPLORER

Sewage Submersible Pumps (STPM, STPC & CCP Series)

Crompton

STP STPC CCP

Overload Protection
Single phase pumps are fitted with thermal overload protector (TOP)

Double mechanical seal
Offers more sturdy and durable

Dry run protection*
In 1PH model float switch provided for dry run protection.

Solid handling capacity:
Up to 35MM, applicable to STPM series

Anti-Rust CED Coating*
Offers rust free & stuck free operation

Easy for Maintenance
Easily replaceable wear & tear Parts

Technical Specifications:
STPM & STPG Series
- Range: Up to 5.5Kw/7.5HP
- Rated Voltage: 220V for 1PH & 415V for 3PH
- Voltage Range: 160-260V for 1PH & 350-440V for 3PH
- Rated Frequency: 50Hz
- Pipe size: 50 &100mm
- Max. Head: Up to 22m
- Max. Discharge: Up to 1500 LPM

Technical Specifications:
CCP Series
- Range: 1.0 HP (1PH)
- Rated Voltage: 220V
- Voltage Range: 160-260V
- Rated Frequency: 50Hz
- Pipe size: 50 mm
- Max. Head: Up to 10M
- Max. Discharge: Up to 260LPM

Application:
- Construction Sites
- Hotels and restaurants
- Sewage treatment plants
- Wastewater treatment plants

STP Series Performance Table:

Sr. No.	Rating	Power kW/HP	Pipe Size mm	Max. Solid Size (mm)	Discharge in LPM			
					30	60	90	130
					Head in Meter			
1	STPG052(1PH)-7	0.37/0.50	32	20	7.5	7	6.5	5

Sr. No.	Rating	Power kW/HP	Pipe Size mm	Max. Solid Size (mm)	Discharge in LPM			
					100	200	300	400
					Head in Meter			
2	STPM12(1PH)-10	0.75/1.0	50	35	10.8	7.3	5	1.8
*3	STPM12-10	0.75/1.0	50	35	10.8	7.3	5	1.8
4	STPM22(1PH)-14	1.5/2.0	50	35	14	12	10	7.6
*5	STPM22-14	1.5/2.0	50	35	14	12	10	7.6
*6	STPM32-17	2.2/3.0	50	35	17	15	12.4	9.6

Sr. No.	Rating	Power kW/HP	Pipe Size mm	Max. Solid Size (mm)	Discharge in LPM								
					400	500	600	800	900	1100	1200	1400	1500
					Head in Meter								
*7	STPCS5.52-18	4.0/5.5	100	30	18.5	17	16	15.5	13	11	9	-	-
*8	STPCS7.52-22	5.5/7.5	100	30	22	21.5	20.5	18	17	15	13	11.5	9.5

CCP Series Performance Table:

Sr. No.	Rating	Power kW/HP	Pipe Size mm	Discharge in LPM					
				50	100	150	250	300	350
				Head in Meter					
9	CCPM12(1PH)-16	0.75/1.0	50	16	14	12	8	6	-
*10	CCPM12-16	0.75/1.0	50	16	14	12	8	6	-
11	CCPM22(1PH)-21	1.5/2.0	50	21	19	17	11	8	5
*12	CCPM22-21	1.5/2.0	50	21	19	17	11	8	5
*13	CCPM32-14	2.2/3.0	50	-	-	14	13	12	11

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. * 3PH models

Material of Construction:

STPM & STPC SERIES			
Sr. No.	Components	STPM	STPC
1	Cable	Poly Vinyl Chloride (PVC)	Poly Vinyl Chloride (PVC)
2	Cable Hood	Nitrile Butadiene Rubber	Stainless Steel (AISI 410)
3	Handle	Stainless Steel (AISI 410)	Not Applicable STP Series
4	Motor Cover	Cast Iron	Cast Iron
5	Seal Housing	Cast Iron	Cast Iron
6	Bracket	NA	Cast Iron
7	Oil Chamber	Cast Iron	Cast Iron
8	Pump Casing	Cast Iron	Cast Iron
9	Impeller	Cast Iron	Cast Iron
10	Oil Seal	Nitrile Butadiene Rubber	Nitrile Butadiene Rubber
11	Shaft	Stainless Steel (AISI 410)	Stainless Steel (AISI 410)
12	Motor Housing	SS304	Cast Iron
13	Tie Rods	SS304	Not Applicable
14	Mechanical Seal	Double Mechanical Seal (SiC + Carbon-Ceramic)	Double Mechanical Seal (SiC + Carbon-Ceramic)
15	Winding	Copper	Copper

CCPM SERIES		
Sr. No.	Components	CCP
1	Cable	Poly Vinyl Chloride (PVC)
2	Cable Hood	Nitrile Butadiene Rubber
3	Handle	Stainless Steel (AISI 410)
4	Motor Cover	Cast Iron
5	Seal Housing	Cast Iron
6	Bracket	Not Applicable
7	Oil Chamber	Cast Iron
8	Pump Casing	Cast Iron
9	Impeller	Cast Iron
10	Oil Seal	Nitrile Butadiene Rubber
11	Shaft	Stainless Steel (AISI 410)
12	Motor Housing	SS304
13	Tie Rods	SS304
14	Mechanical Seal	Double Mechanical Seal
15	Cutter	High Chromium Steel
16	Winding	Copper

Dewatering Monobloc Pumps

Crompton

Self Priming capacity
Upto 8.0 meters at Mean Sea level

Construction type
Bare pump / Monoset

Shaft Sealing options
Gland packing / Mechanical Seal

Totally Enclosed Fan Cooled Motor
Suitable for wide voltage application

Non-clog type Impeller
Can handle liquid with solid particles

Easy maintenance
With Interchangeable Parts

Technical Specifications:

- Power range: 0.75 to 18.7kW (1 to 25HP)
- Rated voltage: 415V for 3 PH & 225V for 1PH
- Pipe size: 40X40 mm to 150X150 mm
- Speed: 1450/2900 rpm
- Rated Frequency: 50Hz
- Total Head: Up to 36m
- Capacity: Up to 4310 LPM
- Solid Handling capacity: Up to 40mm
- Motor: Degree of Protection - Ip54
- Motor: Class of Insulation - B

Application:

Industrial

- Effluent Treatment Plants
- Transfer of Petroleum products, Chemicals, Treated / Raw water
- Ash water in Thermal Power Plants
- Waste Liquid in Tiles & Marble factories

Domestic

- Civil construction sites
- Swimming pool filtration
- Dewatering of Basement water & trenches

Marine

- Pumping water from docks, ports, vessels

Agriculture

- Dewatering

Performance Table : Dewatering Pump Set

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Solid Handling Size in mm	Head In Meter 6	8	10	12	14	16	18	20
					Discharge in LPM							
1	DWMJ0.52(1PH)-12MS	0.37/0.5	40X40	6	198	150	108	60	-	-	-	-
2	DWMJ0.52-12MS	0.37/0.5	40X40	6	198	150	108	60	-	-	-	-
3	DWMJ12(1PH)-16GP/ DWMJ12(1PH)-16MS	0.75/1.0	40X40	15	-	-	342	288	198	144	-	-
4	DWMJ12-16GP/ DWMJ12-16MS	0.75/1.0	40X40	15	-	-	342	288	198	144	-	-
5	DWMJ22(1PH)-16GP/ DWMJ22(1PH)-16MS	1.5/2.0	50X50	18	-	-	432	330	240	120	-	-
6	DWMJ22-16GP/ DWMJ22-16MS	1.5/2.0	50X50	18	-	-	432	330	240	120	-	-
7	DWMM32-18GP/ DWMM32-18MS	2.2/3.0	50X50	23	-	-	-	492	390	294	138	-
*8	DWMQ5-20GP/ DWMQ5-20MS	3.7/5.0	80X80	15.5	-	1152	1002	918	780	564	390	180

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Solid Handling Size in mm	Head In Meter 21	24	25	27	28	31	34	36
					Discharge in LPM							
9	DWMQ52	3.7/5.0	80X80	7	550	480	450	415	380	305	205	125
10	DWMQ7.52	5.5/7.5	80X80	14.5	910	865	820	760	685	520	325	190

Performance Table : Dewatering Bare Pump

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Solid Handling Size in mm	Head In Meter 8	10	12	14	16	18	20
					Discharge in LPM						
1	DWCJ12-16GP/ DWCJ12-16MS	0.75/1.0	40X40	15	-	342	288	198	144	-	-
2	DWCJ22-16GP/ DWCJ22-16MS	1.5/2.0	50X50	18	-	432	330	240	120	-	-
3	DWCM32-18GP/ DWCM32-18MS	2.2/3.0	50X50	23	-	-	492	390	294	138	-
*4	DWCQ5-20GP/ DWCQ5-20MS	3.7/5.0	80X80	15.5	1152	1002	918	780	564	390	180

Sr. No.	Rating	Motor kW/ HP	Pipe Size mm	Solid Handling Size in mm	Head In Meter							
					20	24	26	28	30	32	34	36
					Discharge in LPM							
5	DWCQ52	80X80	3.7/5.0	7	575	480	430	390	340	295	220	125
6	DWCQ7.52	80X80	5.5/7.5	14.5	925	865	810	715	600	460	305	190

Sr. No.	Rating	Motor kW/HP	Pipe Size mm	Solid Handling Size in mm	Head In Meter							
					12	15	18	20	21	26	27	28
					Discharge in LPM							
*7	DWCS10	100X100	7.5/10.0	18.5	1960	1730	1465	1280	1165	402	-	-
*8	DWCS12.5	100X100	9.3/12.5	23	2340	2060	1770	1570	1475	805	480	340
*9	DWCV20	150X150	15.0/20.0	34	3790	3440	2930	2530	2310	305	-	-
*10	DWCV25	150X150	18.7/25.0	40	4310	3955	3500	3100	2910	1180	-	-

Note

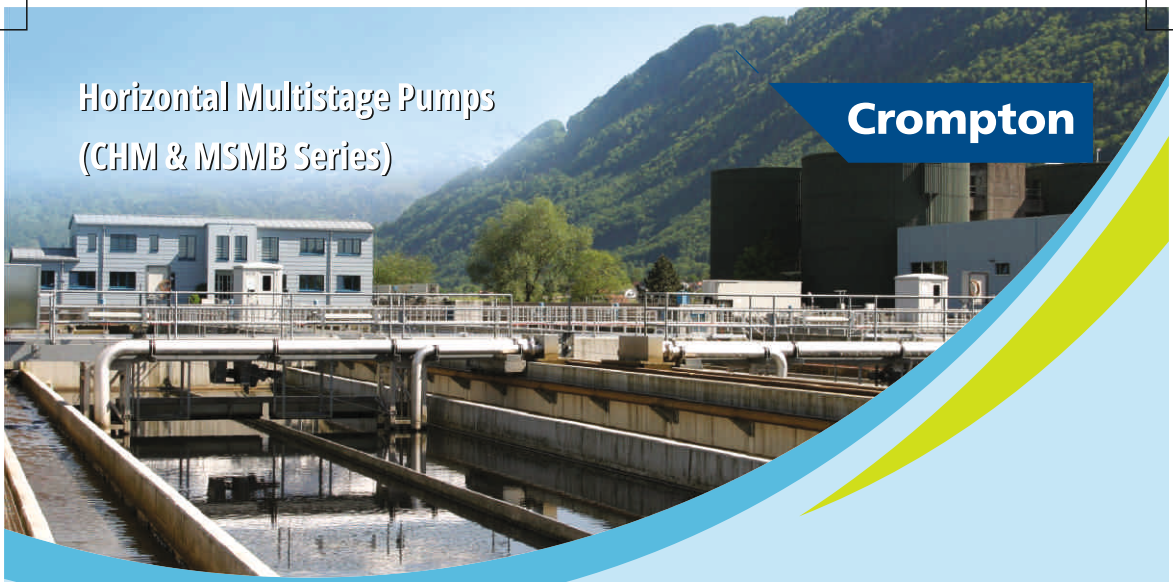
1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. * Models are with 1450 RPM

Material of Construction:

Sr.No.	PART	MOC
1	Impeller	Cast Iron-Grade FG 200
2	Diffuser/Volute	Cast Iron-Grade FG 200
3	Adapter	Cast Iron-Grade FG 200
4	Pump shaft	Stainless Steel SS410
5	Wear Plate	Cast Iron-Grade FG 200
7	Shaft Sleeve	Stainless Steel SS410
8	Gland Packing	Graphite Asbestos
9	Winding	Copper

Horizontal Multistage Pumps (CHM & MSMB Series)

Crompton



***Cartridge type mechanical seal**
Carbon/SiC/Viton suitable for Hot water (Suitable up to 120° C temp)

***Stainless steel construction**
Pump parts -for corrosion resistance

Top Fitted
Motor fitted with Thermal Overload Protector (TOP)

High Operating Efficiency
Higher efficiency results in higher performance & lower electricity consumption.

Technical Specifications:

- Range: 1 Phase – 0.5 HP to 1.5 HP (0.37 kW to 1.1 kW)
- Rated Voltage: 220V
- Voltage Range: 180V-260V
- Rated Frequency: 50Hz
- Pipe Size: 25mm x 25mm, 32mm x 25mm
- Max. head: CHM- up to 49M. MSMB- Up to 47M
- Max. Discharge : CHM- up to 7M^3/Hr MSMB Up to 4200LPH
- Liquid: Clear & Cold Water
- Rotation: Clockwise as viewed from Motor End

Application:

- Domestic Water Boosters
- Sprinkler
- Raw Water Feed pump in RO
- Seawater Pumping
- Water Treatment Plants
- Boiler Feeding
- Chemical / Processing
- Food Processing

Performance Table:

Sr. No.	Rating	Rating kW/HP	Pipe Size mm	Discharge in m^3/Hr						
				1	2	3	4	5	6	7
				Head In Meter						
1	CHM5D0.75(1PH)B-38	0.55/0.75	25 X 25	38	33	26	17	-	-	-
2	CHM6D1.0(1PH)B-48	0.75/1.0	25 X 25	48	43	35	25	-	-	-
3	CHM4E1.0(1PH)B-32	0.75/1.0	32 X 25	-	32	30	26	22	18	12
4	CHM6E1.5(1PH)B-49	1.1/1.5	32 X 25	-	49	46	40	35	28	20

Sr. No.	Rating	Rating kW/HP	Pipe Size mm	Discharge in LPH					
				750	1400	2100	2800	3500	4200
				Head In Meter					
1	MSMB3D0.50	0.37/0.5	25 X 25	28	24	21	16	11	4
2	MSMB4D0.75	0.55/0.75	25 X 25	37	33	29	22	15	6
3	MSMB5D1.00	0.75/1.0	25 X 25	47	43	36	29	21	7

Note:

1. The motor ratings in HP are only indicative and for reference purpose
2. Performance indicators above are as per rated conditions
3. CHM series is with SS insert & Cartridge type mechanical seal

Material of Construction:

Sr.No.	PART	MOC
1	Impeller-MSMB	Noryl
2	Impeller-CHM	Stainless Steel-SS304
3	Diffuser-MSMB	Noryl
4	Diffuser bowl-CHM	Stainless Steel-SS304
5	Motor Body	Aluminium Extruded-HE9 Grade
6	Shaft	Stainless Steel-SS410
7	End Shield	Aluminium ADC12
8	Delivery Casing	Cast Iron-IS210 Grade FG 200
9	Outer casing-MSMB	Stainless Steel-SS304
10	Fan-MSMB	PPCP
11	Fan Cover-MSMB	PPCP
12	Fan-CHM	NYLON 6
13	Fan Cover-CHM	PP GF 30%
14	Mechanical Seal-CHM	Tungsten Carbide Vs Sintered carbon + Viton Rubber (FKM)
15	Mechanical Seal-MSMB	Ceramic Vs Graphite
16	Winding	Copper

Car Pressure Washing Pump

Crompton

- Generates high pressure
- Requires Less Water
- Automatic Operation
- Fitted with filter
- Fitted with soap tank

Technical Specifications:

- 1.9 HP (1.4kW)
- Rated Voltage: 220V
- Rated Frequency: 50Hz
- Liquid Temperature : 5 to 45°C
- Ambient Temperature: Up to 40°C
- Protection Level: IPX5
- Class of Insulation: F

Application:

- Pressure cleaning of outdoor grill
- Washing of outdoor furniture, Car, Motorcycle, Lawn Mower, Wooden Surfaces, Concrete & Bricks etc.

Sr. No.	Rating	Motor		Working Pressure	Maximum Pressure (Bar)	Nominal Flow (LPM)	Max. Flow (LPM)
		kW/HP	Type				
1	CPW-70	1.4/1.9	Brushed	70	105	5.5	6.8

Material of Construction:

Sr.No.	PART	MOC	Sr.No.	PART	
1	Pump Body	Aluminium	5	Gun	Polyamide 66 + 30% GF (Glass Filled)
2	Pump Head	Aluminium	6	Nozzle	Polyamide 66 + 30% GF (Glass Filled)
3	Motor Body	Aluminium	7	Outer Cover	Polypropylene 66 + 30% GF (Glass Filled)
4	Handle	Polypropylene	8	Winding	Copper

Crompton

1 YEAR WARRANTY

Overload Protection
Fitted with thermal overload protector (TOP)

IP 68 Protection
Superior protection against dust & up to 1.5 metres of water for 30 min

Automatic Operation
Float switch provided for auto ON/OFF control

Compatibility with variable pipe sizes
Hose pipe of 13, 19, 25 & 40 mm can be connected to delivery

Technical Specifications:
- 0.55 HP & 0.75 HP (0.40 kW & 0.55 kW)
- Rated Voltage: 220 V
- Voltage Range: 160-240 V
- Max. Head : Up to 9 m
- Max. Discharge (LPM): 190 LPM
- Class of Insulation: B
- Liquid : Clear Water

Application:
- Gardening
- Small Bungalows
- Small farm houses

Sr. No.	Rating	Motor kW/HP	Outlet Size in mm	Discharge in LPM							
				15	30	60	90	120	150	180	190
				Head In Meter							
1	CDPJ400(1PH)-8	0.40/0.55	40	8	7.3	6.7	5.3	3.9	2	-	-
2	CDPJ550(1PH)-9	0.55/0.75	40	9	8.4	7.3	6.3	5	3.7	2.4	2

Material of Construction:

Sr.No.	PART	MOC
1	Pump Casing	Engineering plastic
2	Impeller	ABS

Sr.No.	PART	MOC
3	Mechanical Seal	Steatite/ Metalized Carbon
4	Shaft	Stainless Steel
5	Winding	Copper

Motor is fitted with Thermal Overload Protector (TOP)

Class of Insulation: F

Corrosion free operation with glass filled Polypropylene body

IP Protection: IP55

Easy to clean inbuilt filter

Technical Specifications:
- Power Range: 1.5HP to 3HP (1.1kW to 2.2kW)
- Maximum Head: Up to 21 m
- Maximum Discharge: Up to 400 LPM

Application:
- Swimming pool water re-circulation

Sr. No.	Rating	Motor kW/HP	Pipe Size in mm	Discharge in LPM Head In Meter							
				75	100	150	200	250	300	350	400
1	SPJ1.52	1.1/1.5	40X40	16	15	15	13	11	8	-	-
2	SPM22	1.5/2.0	50X50	19	18	18	16	14	13	11	9
3	SPM22(3PH)	1.5/2.0	50X50	19	18	18	16	14	13	11	9
4	SPM32	2.2/3.0	50X50	21	21	20	19	18	16	14	11
5	SPM32(3PH)	2.2/3.0	50X50	21	21	20	19	18	16	14	11

Material of Construction:

Sr.No.	PART	MOC
1	Impeller	Glass Filled Polypropylene
2	Adaptor	Glass Filled Polypropylene
3	Pump Casing	Glass Filled Polypropylene

Sr.No.	PART	MOC
4	Mechanical Seal	Carbon-Ceramic
5	Motor Body	Aluminium
6	Shaft	Stainless Steel

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