



Smart solutions.  
Strong relationships.

# PRODUCT CATALOGUE



**PUMPS • EXHAUST FANS • COOLER KITS • MOTOR STARTERS**

**COMMERCIAL  
PRODUCTS  
DIVISION**

## About CG

CG Power and Industrial Solutions Limited (CG) is a pioneer in modern technology in electrical field which offers complete solutions for generation, transmission and distribution of energy by supplying globally recognized hightech products delivering elevated efficiency and robustness. Since its inception, CG has been synonymous with electricity. In 1875, a Crompton 'dynamo' powered the world's very first electricity-lit house in Colchester, U.K. CG India operations were established in 1937, and since then the company has retained its leadership position in the management and application of electrical energy.

CG' s Rotating Machines and Drives is engaged in the business of power conversion equipment. The power conversion equipment include a wide spectrum of Medium and Low Voltage Rotating Machines, Drives, Stampings, Railway Transportation and Signaling products. Rotating Machines and Drives is focused globally with a strong market presence in Europe and market leadership position in many segments in India. It caters to the global markets through its manufacturing facilities located across Europe as well as India.

## About CG Commercial Products Division

With over 80 years of unwavering excellence, continuous innovation and reliable engineering, CG has been relentlessly working towards new product development to add value for its customers. Under the CG Commercial Products Division, a wide range of consumer products were launched in January 2019. These products are designed by the CG engineering team after extensive research and understanding of various applications.

However, these products are not new for CG, in fact, they are backed-up with proven results of more than two decades. The decision to re-launch this product range was driven by high consumer demand and positive feedback from satisfied customers across the country.

CGmaxAir exhaust fan is perfect choice for eliminating heat, fumes, unpleasant odours and provides comfort for healthy feeling at your homes and workplaces. These fans perform silently and gives wonderful feeling of freshness.

Fans are manufactured with heavy components, double ball bearing, copper winding and high quality powder coating. The air delivery is best in class available in the market. Fans are certified with ISI mark.



Performance Values		
Model	CGmax Air-9	CGmax Air-12
Catref	CGMAX200B CGMAX200L CGMAX200G <small>NEW</small>	CGMAX300B CGMAX300L CGMAX300G <small>NEW</small>
Fan Size	9 Inches	12 Inches
Rated Voltage	1Ph 230V, 50Hz	1Ph 230V, 50Hz
Air Delivery (cu.m/hr)	800	1790
Input current (A)	0.2 Amps	0.4 Amps
Input Watt (W)	35	75
Speed (RPM)	1440	1440

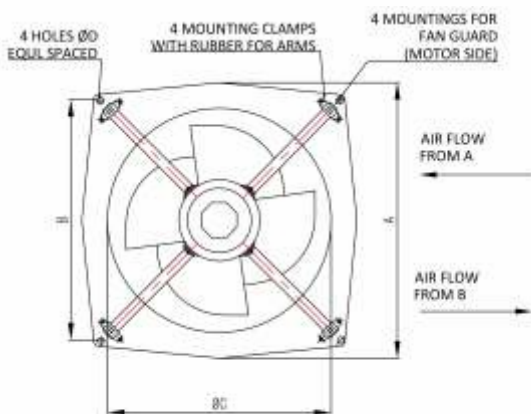
# Performance under Standard Conditions

**Applications**

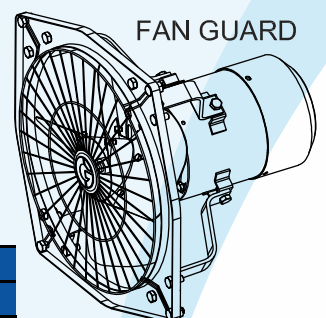
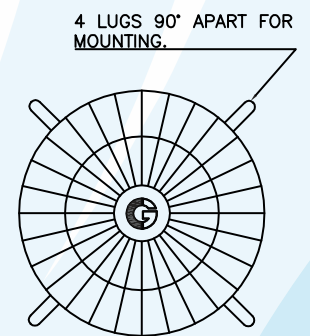
- Domestic Kitchens
- Office and Conference Halls / Meeting Rooms
- Toilets and Bathrooms
- Workplaces
- Store Rooms
- Laboratory and Small Workshops

**Features And Specifications**

- Heavy Duty Motor for Best Ventilation
- Double Ball Bearing
- Copper Winding
- Energy Efficient
- Low Noise - Silent Operation
- Aerodynamically Designed Metal Blades
- High Quality Powder Coating
- Available in three Colors Golden Brown, Lilac Glossy & PP Steel Grey



TYPE I : ALUMINUM HUB & MS BLADE



SIZE (Inch)	A	B	C	D	E	F	G	H
	mm	mm	mm	mm	mm	mm	mm	mm
9	295	230	250	6.5	230	100	213	210
12	380	315	328	7	240	100	363	305

## Cooler Kit Fans

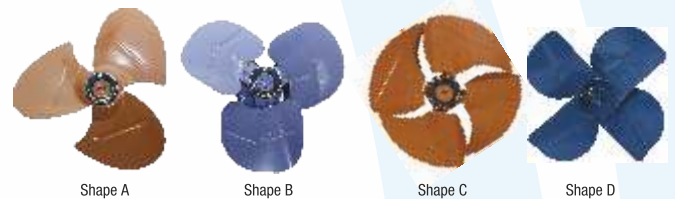
# CGcomfort<sup>®</sup>

CG "Comfort Series" motors are trusted name in Cooler segment; motors have been satisfactorily performing for more than a decade.

On the market demand and customers feedback, CG brings Cooler Kit (consist of motor, Fan blade and arms).

The product manufactured with high quality components in two different designs for Heavy Duty and Standard Duty application.

Application	Desert Air Cooler
Size	16, 17, 18 & 20 Inch
Colours	Golden Brown and Lilac Glossy
Supply & Rated Voltage	1Ph - 230V, 50Hz
Air Delivery(cu.m/hr)	3000 & 3600
Speed (RPM)	1440
Mounting	Ring Mounting

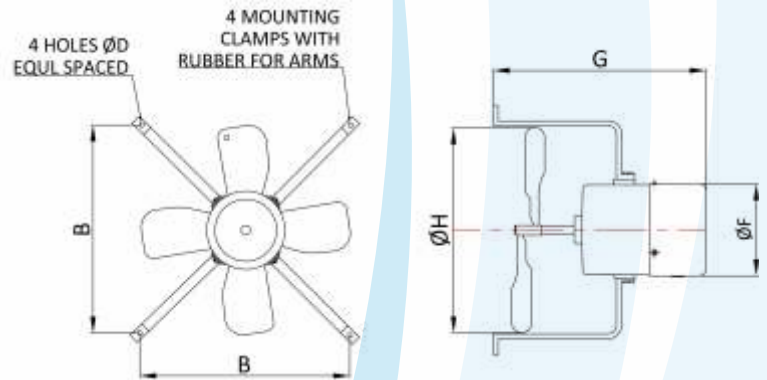


### Applications

- Desert Air Coolers

### Features

- Energy Efficient
- Inverter Duty
- High Performance (Motor Dia 127mm)
- Silent Operation
- Manufactured with Heavy Components



CAT Ref	Sweep (Inch)	Colour	Declared Air Delivery m <sup>3</sup> /Hr	Fan Type	No of Fan Leaf	Full Load Current (A)	Motor Watt (FL)	Product Dimensions (mm)				
								B	D	F	G	H
CGCK16CLM-BB*	16	Brown	2500	Shape-C	4	0.7	140	444	12.5	127	228	571
CGCK17JEL-BB*	17	Lilac	2800	Shape-D	4	1.0	240	432	12.5	127	242	559
CGCK17JEL-BBC* <small>NEW</small>	17	Lilac	2800	Shape-D	4	1.0	240	432	12.5	127	260	559
CGCK17JAG-BBC* <small>NEW</small>	17	Ash Grey	2800	Shape-D	4	1.0	240	432	12.5	127	260	559
CGCK18HDB	18	Brown	3450	Shape-A	3	0.9	200	406	12.5	127	203	533
CGCK18SDL	18	Lilac	3000	Shape-B	3	0.7	160	406	12.5	127	203	533
CGCK20EDL	20	Lilac	3200	Shape-B	3	0.7	140	406	12.5	127	203	533
CGCK20EDL-BB*	20	Lilac	3200	Shape-B	3	0.7	140	406	12.5	127	203	533
CGCK20HDB	20	Brown	3600	Shape-A	3	0.9	190	406	12.5	127	203	533
CGCK20HDB-BB*	20	Brown	3600	Shape-A	3	0.9	190	406	12.5	127	203	533
CGCK20RDB	20	Brown	3000	Shape-B	3	0.9	190	406	12.5	127	242	559
CGCK20RDB-BB*	20	Brown	3000	Shape-B	3	0.9	190	406	12.5	127	242	559
CGCK20SDL	20	Lilac	3200	Shape-A	3	0.7	140	406	12.5	127	203	533
CGCK20SDL-BB*	20	Lilac	3200	Shape-A	3	0.7	140	406	12.5	127	203	533

# Performance under Standard Conditions

\*Motors with Ball Bearing



# Submersible Cooler Pump *CGminiSplashh*<sup>®</sup>

To serve the market demand as package, our design and engineering team extensively worked on the application and developed submersible cooler pumps for desert coolers.

The pump is precisely manufactured by using high grade components with inbuilt T.O.P.



Models	CGminiSplashh-20 & CGminiSplashh-40
Rated Voltage	1Ph - 220V, 50Hz
Input Watt	20 Watts & 40 Watts
Head (max)	5 Feet & 8 Feet
Discharge	200 & 400 LPH

### Applications

- Desert Coolers
- Indoor Fountains
- Aquariums
- Hydroponic Gardening
- RO Plants etc.

### Features And Specifications

- High Performance - Long Life
- Low Electricity Consumption
- Compact Size - Easy Installation
- Noiseless Operation
- Rust free - No Jamming
- Design for Maximum Cooling

Model	CGminiSplashh - 20	CGminiSplashh - 40
Catref	CGDCP020X	CGDCP040X
Outlet	½ Inches Straight Outlet Nozzle	½ and ¾ Inches Straight Outlet Nozzle
Input Watt	20 W	40 W
Head (MAX)	5 Feet	8 Feet
Weight Kg	330gm	710gm
Packing	48 Pc / Per carton	24 Pc / Per carton
Discharge	200 LPH	400 LPH

### # Performance under Standard Conditions



# Heavy Duty Exhaust Fans



CG has developed the product after the myriad innovations with back-up of 15 year of proven results in exhaust fan motors. Our continuous development process enables us for the innovation to bring latest designed products which consumes less energy with excellent results.

Exhaust fans are developed with years of diligent efforts of design and engineering team after understanding the application.

To serve the market, CG has developed fans in two variants-MS fan with aluminium alloy Hub and MS fan with MS hub. The fans are precisely manufactured by using the high grade components.

### Applications

- Hotels
- Paint Shops
- Large Kitchen Ventilation
- Food Manufacturing, Flour Mills
- Cold Storage
- Milk Dairies etc

### Features

- Heavy Duty Design
- Construction in Double Sealed Ball Bearings
- Aerodynamically Designed Blades for High Air Delivery.
- Noise free motor Design for Silent Operations
- Powder Coated components for long life

### Specifications

- Class F Insulation
- Voltage Variation +/- 10%
- Frequency Variation +/- 5%
- Temperature Range 40 Deg C to 50 Deg C
- IP44 / IP55 Protection



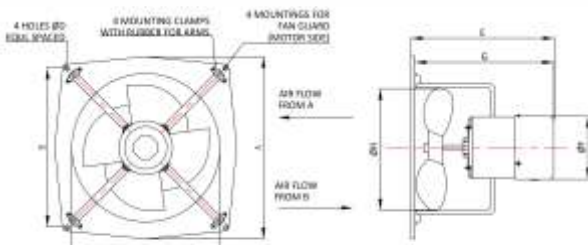
MS Fan with MS Hub



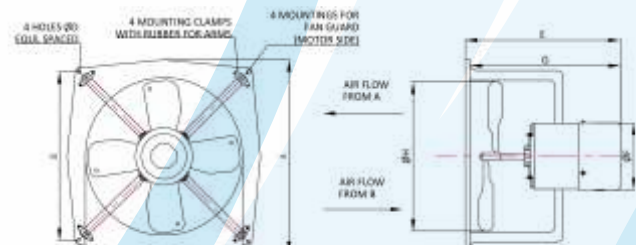
MS Fan with Aluminum Alloy Hub

EXHAUST FAN PERFORMANCE								
Cat Ref	Sweep Diameter (mm)	Size (Inches)	Phase	Current (Amp)	Power Input(W)	Air Delivery CHIM# (cu.mtr/hr)	Noise (DBA)	Speed (RPM)
PA300S4AX	300	12	1	0.4	90	1750	56	1400
PA300S4MX	300	12	1	0.4	90	1850	61	1400
PA300S6AX	300	12	1	0.25	55	1150	55	910
PA380S4AX	380	15	1	0.74	150	3350	61	1400
PA380S4MX	380	15	1	0.8	170	4000	63	1400
PA380S6AX	380	15	1	0.45	100	2100	57	910
PA450S4AE* <small>NEW</small>	450	18	1	1.5	350	5900	60	1380
PA450S4AES <small>NEW</small>	450	18	1	1.5	350	5900	60	1380
PA450S4AX	450	18	1	1.7	400	6200	65	1400
PA450S4MX	450	18	1	1.8	425	6500	67	1400
PA450S6AX	450	18	1	0.65	150	4300	60	910
PA450T4AX <small>NEW</small>	450	18	3	0.8	400	6200	65	1400
PA600S6AX	600	24	1	2.3	540	9800	65	900
PA600T6AX	600	24	3	1.1	500	9800	65	900
PA900T8AX	900	36	3	2.2	1200	25200	65	700

# Performance under Standard Conditions \*3Speed Motor



TYPE I : ALUMINUM HUB & MS BLADE



TYPE II : STEEL HUB & MS BLADE

### DIMENSIONAL SPECIFICATION

SIZE (Inches)	A	B	C	D	E	F	G	H
	mm	mm	mm	mm	mm	mm	mm	mm
12	385	315	327	9.5	300	125	285	300
15	470	375	405	9.5	310	127	285	380
18	570	450	482	10.5	360	162	345	450
24	720	600	635	11.5	405	162	385	600
36	1060	836	952	17.5	375	215	360	900

## Slow Speed Self Priming Pump

**CGDMB<sup>®</sup>**  
**CGCMB<sup>®</sup>**

Due to the growth in rural infrastructure and urbanisation, the demand in water pumping applications is increasing. To fulfil these needs CG has come-up with efficient and reliable domestic range of pumps,

### Applications

- High Rise Buildings, Small Farm House, Hospitals, Gardening, Flats and Booster application etc.

### Features And Specifications

- CED Coated Pump Components
- Robust construction
- Self priming upto 8 meter.
- Pump with High torque motor
- Wide Voltage band
  - Single Phase : 180 to 240 Volts
  - Three Phase : 350 to 415 Volts
- High quality mechanical seal for long life.



Construction Detail	CGDMB	CGCMB
Motor Body	CRCA - MS	Cast Iron
Winding	Copper	Copper
Stamping	CRNO	CRNO
Supply	1 Ph, 220V, 50Hz	1 Ph, 220V, 50Hz
Speed (RPM)	1425	1425
Pump Casing	Cast Iron (CED Coated)	Cast Iron (CED Coated)
Impeller	HTB - 1	HTB - 1
Shaft	SS 410	SS 410

Cat ref	Frame	Power		Pipe size	Head in Meters													
		kW	HP		mm	6	10	16	20	22	25	30	35	38	42			
				Discharge in Litre per Hour														
CGDMB05DX	B56*	0.37	0.5	25 X 25	2400	2000	1350	600(21m)										
CGDMB10DX	B56*	0.75	1	25 X 25			3000	2700	2500	2200	1700	1200	900	500				
CGDMB10DT	B56*	0.75	1	25 X 25			3000	2700	2500	2200	1700	1200	900	500				
CGCMB05DX	80	0.37	0.5	25 X 25	3120	2700	1800	1100	480									
CGCMB10DX	90	0.75	1	25 X 25	3300	3120	2700	2340	2160	1920	1500	1080	800					

\*NEMA

Construction Detail	
Motor Body	Aluminium Extrusion
Frame	71 & 80
Casing End Plate	Cast Iron
Pump Drum	SS / Cast Iron
Adaptor	Cast Iron
Impeller	Noryl
Shaft	SS 410
Winding	Copper
Stamping	M47
Supply	1Ph,220V,50Hz
Speed (RPM)	2850



**Applications**

- Clear water supply to overhead tanks of Building, Apartments, Gardening, Hotels, Small Farms, Hospital etc.

**Features And Specifications**

- CED Coated Pump Components
- Powder Coated Motor Body
- Totally Enclosed Fan Cooled Motor
- Designed for High Efficiency water lifting
- High quality mechanical seal for long life
- Fitted Non Return valve (NRV)
- In-Built Thermal Overload Protection
- TEFC Motor with Class-F Insulation
- Provided with handle



Cat ref	Frame	POWER		Pipe Size	Total Head in Meters									
		kW	HP		mm	12	15	18	21	22	24	27	30	33
				Discharge in Litre Per Hour										
CGDSW050C	71	0.37	0.5	25 X 25	3000	2800	2600	2400	2300	2000	1500	650		
CGDSW050S	71	0.37	0.5	25 X 25	3000	2800	2600	2400	2300	2000	1500	650		
CGDSW100C	71	0.75	1	25 X 25					3000	2800	2500	2100	1500	650
CGDSW100S	71	0.75	1	25 X 25					3000	2800	2500	2100	1500	650
CGDSW1080C <small>NEW</small>	80	0.75	1	25 X 25					3400	3200	2700	2200	1600	1100





# High Speed Self Priming Pumps



## Applications

- Water supply to overhead tanks of Bungalows, Residential Buildings, Flats, Hotels, Hospitals, Lawns Sprinklers, Nursing homes, Clubs etc.

## Features And Specifications

- Self-Priming Up to 7.5 meter.
- CED Coated Pump Components.
- TEFC Motor with Class – F Insulation
- Powder Coated Motor Body.
- High quality mechanical seal for long life.
- Fitted with Thermal Overload Protector (1Ph Only).
- Wide voltage band
  - 1Ph - 180 to 240V.
  - 3PH - 350 to 440V
- Provided SS insert in MiniMARSHAL-1Hp Pump & 2 year Warranty
- Liquid – Clear and Cold Water

## Construction Detail

Motor Body	Aluminium Extrusion / Pressure Die Casting / Cast Iron
Pump Casing	Cast Iron
Adaptor	Cast Iron
Impeller	Forged Brass
Shaft	SS 410
Winding	Copper
Stamping	CRNO
Mechanical Seal	Carbon vs Ceramic
Supply	1Ph, 220V, 50Hz
Speed	2850 RPM

Cat Ref	Model	Frame	Power		Pipe Size mm	Head In Meters														
			kW	HP		6	9	12	15	18	21	24	27	30	34	36	39	45	50	54
						Discharge in Litre Per Hour														
CGDMM05MS	MiniSERGEANT	71	0.37	0.5	25x25	1950	1800	1500	1250	950	450									
CGDMM10MS			0.75	1	25x25	2700	2500	2300	2100	1900	1700	1500	1300	1100	750					
CGDMM05SP <small>NEW</small>	MiniSUPREME	71	0.37	0.5	25x25	2000	1700	1450	1250	1000	700	350								
CGDMM10SP <small>NEW</small>			0.75	1	25x25	2800	2650	2500	2300	2100	1900	1700	1500	1200	950	750				
CGDMM05MH	MiniHEAD	71	0.37	0.5	25x25	2000	1800	1600	1400	1150	850	400								
CGDMM10MH			0.75	1	25x25	3000	2900	2750	2600	2400	2200	2000	1800	1600	1300	1100	750			
CGDMM05ML	MiniMARSHAL	71	0.37	0.5	25x25	2600	2400	2200	1950	1700	1440	1200	900	600						
CGDMM10ML		80	0.75	1	25x25	4280	4150	4000	3850	3700	3500	3300	3100	2800	2500	2350	2100	1600	1200	700
CGDMM05BH	MiniBHIM	71	0.37	0.5	25x25	1950	1800	1500	1250	950	450									
CGDMM10BH			0.75	1	25x25	2700	2500	2300	2100	1900	1700	1500	1300	1100	750					
CGDMM05MLT <small>NEW</small>	MiniMARSHAL (3Ph)	71	0.37	0.5	25x25	2600	2400	2200	1950	1700	1440	1200	900	600						
CGDMM10MLT <small>NEW</small>		80	0.75	1	25x25	4280	4150	4000	3850	3700	3500	3300	3100	2800	2500	2350	2100	1600	1200	700
CGDMM15XT	MiniXTREME	80	1.1	1.5	25x25							3600	3500	3300	3000	2850	2600	2200	2000	1800

Aluminium Extrusion - MiniSERGEANT, MiniSUPREME & Mini HEAD

Aluminium PDC - MiniMARSHAL (1 & 3Ph) & CGxtreme

Cast Iron - MiniBHIM



# High Speed Super Suction Self Priming Pumps

# CGmaxGOLD<sup>®</sup> CGmaxVEE<sup>®</sup>

### Applications

- Water supply to overhead tanks of bungalows, Residential building, flats, hotels, hospitals, Nursing homes etc.

### Features And Specifications

- Excellent Suction
- CED Coated Pump Components
- Self-Priming Up to 8 meter.
- TEFC Motor with Class – F Insulation
- High quality mechanical seal for long life.
- Fitted with Thermal Overload Protector (1Ph Only).
- Wide voltage band - 1Ph, 180V-240V
- Liquid – Clear and Cold Water



Construction Detail	CGmaxVEE	CGmaxGOLD
Motor Body	Cast Iron / Aluminium PDC	Aluminium PDC
Winding	Copper	Copper
Supply	1 Ph 180v - 240v, 50Hz	1 Ph 180v - 240v, 50Hz
Pump Casing	Cast Iron (V - Type) CED Coated	Cast Iron (CED Coated)
Impeller	LTB 2	LTB 2
Shaft	SS 410	SS 410

Cat ref	Frame	Power		Pipe size	Head in Meters									
		kW	HP		mm	6	10	15	20	25	27	30	36	40
				Discharge in Litre per Hour										
CGDSS05MG	71	0.37	0.5	15 X 15	1500	1400	1120	820	540	350				
CGDSS10MG	71	0.75	1	25 X 25	2150	1950	1700	1450	1200	1080	900	360		
CGDSS05MV	71	0.37	0.5	25 X 25	2550	2200	1700	1300	800	600	400			
CGDSS10MV <small>NEW</small>	80	0.75	1	25 X 25	2400	2200	2000	1800	1600	1400	1200	1000	360	
CGDSS10MV-CI <small>NEW</small>	80	0.75	1	25 X 25	2700	2650	2500	2350	2100	2000	1800	1300	900	450





With Control Panel inside the box

Construction Detail	
Volute Casing	Cast Iron FG 200
Motor Body	Stainless Steel
End Cover	Cast Iron FG 200
Adaptor	Cast Iron FG 200
Flange	Cast Iron FG 200
Shaft	SS 410
Impeller	Noryl / Cast Iron(90 Frame)
Sealing Type	Oil Seal
Stamping	M47
Winding	Copper
Supply	1Ph, 220V, 50Hz
Speed	2850 RPM

### Applications

- Water supply to overhead tanks of Bungalows, Residential Buildings, Flats, Hotels, Hospitals, Lawns Sprinklers, Nursing homes, Clubs, application etc.

### Features And Specifications

- CED Coated Cast Iron Components.
- Stainless Steel Motor body.
- Designed for High Efficiency water lifting
- High Quality Oil Seal for Long Life .
- Easy Installation-No foundation required
- Provided with smart bend and strainer for inlet
- Efficient cooling

Cat ref	Frame	Power		Pipe size mm	Head in Meters															
		kW	HP		9	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38
					Discharge in Litre per Hour															
CGDOW0571*	71	0.37	0.5	25 X 25		7800	6900	5700	3900	1200										
CGDOW0580*	80	0.37	0.5	25 X 25			7200	6500	5500	4500	3000	2100								
CGDOW1071*	71	0.75	1	32 X 25				9000	8520	7800	6900	5880	4700	1800 (27m)						
CGDOW1090*	90	0.75	1	32 X 25					11520	10500	9600	8100	6300	2400						
CGDOW1080*	80	0.75	1	32 X 25					10200	9900	9500	9000	8000	6700	4800	2100				
CGDOW1580*	80	1.1	1.5	32 X 25					12000	10500	10000	9600	9300	9000	8400	7500	6800	5700	4500	2160
CGDOW1590*	90	1.1	1.5	40 X 40		21600	20400	19200	18000	16750	15200	13000	11500	8600	3000					
CGDOW2090*	90	1.5	2	50 X 50	25800	25200	24000	22800	21600	20400	18600	16800	13800	11100	9000 (27m)					
CGDOW2190*	90	1.5	2	50 X 40			27000	26400	25800	24600	23400	21500	19500	16800	13200	9000 (29m)				

\*Available with 10 meter cable length also





# Agro 3Ph Horizontal Openwell submersible Pumps

# CGAOW NEW

### Applications

- Agriculture, Irrigation (Sprinkler, Drip), Rural Drinking Water Supply etc.

### Features And Specifications

- CED coated cast iron parts
- Excellent aesthetics & sturdy design
- Easy installation – hook & rigid base mounting provided
- High quality water lubricated bearings & oil seal used for long life
- Balanced rotor and impeller used to ensure vibration free performance
- Water cooled & wet type motor
- Stainless steel shaft & copper rotor motor
- Designed for high water discharge.
- Energy efficient motor design
- Provided SS strainer to prevent sand entry.
- Supply: 3ph,AC, 50Hz ; voltage – 350 to 440V
- Head up to : 48mtr, discharge up to : 1400 Lpm



Part Name	Material
Pump Volute Casing	Cast Iron FG 200
Impeller	Cast Iron FG 200
Motor Body	Cast Iron FG 200
Mounting Foot Frame	MS
Pump Adaptor & End cover	Cast Iron FG 200
Bush Bearing	LTB 4
Thrust Bearing	Sintered Carbon + SS
Shaft	SS 410
Rotor Type	Copper
Winding Wire	PVC Insulated Copper

Cat Ref	Power kW/Hp	Pipe Size (mm)	Discharge In LPM													
			100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400
			Head In Meters													
CGAOW03K	2.2/3.0	50 x 40	30	28	26	24	20	15	10							
CGAOW03N	2.2/3.0	65 x 50	26	25	24	21	17	13	8							
CGAOW05N	3.7/5.0	65 x 50	36	35	34	31	28	24	20	15	8					
CGAOW05P	3.7/5.0	80 x 65	28	28	27	26	25	23	21	18	15	11				
CGAOW07N	5.5/7.5	65 x 50	48	47	45	42	38	32	23	12						
CGAOW07P	5.5/7.5	80 x 65	40	40	39	38	37	36	34	32	29	26	23	19	15	10





# Centrifugal Mono Block Pump Set



## Applications

- Clear water supply for Bungalows, High Rise Buildings, Small Farm House, Hospitals, Irrigation, Flats & Apartments etc

## Features And Specifications

- Robust Construction
- CED Coated Pump Components
- Cast Iron Motor Body - Aluminum Extrusion
- TEFC Motor with Class - F Insulation
- High quality mechanical seal for long life.
- Fitted with Thermal Overload Protector (1Ph Only).
- Wide voltage band
  - Standard 1Ph : 180V-240V
  - LV : 140V-240V
  - 3Ph : 350V-440V
- Liquid - Clear and Cold Water



Construction Detail		
Motor Body	Cast Iron FG 200	Aluminum Extrusion
Volute Casing	Cast Iron FG 200	Cast Iron FG 200
End Cover	Cast Iron FG 200	Aluminum PDC
Adaptor	Cast Iron FG 200	Cast Iron FG 200
Flange	Cast Iron FG 200	Cast Iron FG 200
Shaft	SS 410	En8
Impeller	Cast Iron FG 200	Noryl
Sealing Type	Mechanical Seal	Mechanical Seal
Stamping	M47	M47
Winding	Copper	Copper

## Cast Iron Motor Body XMB Pumps

Cat ref	Frame	Power		Pipe size	Head in Meters														
		kW	HP		mm	6	8	9	10	12	14	16	18	20	22	24	26	28	30
				Discharge in Litre per Hour															
CGXMB0571D	71	0.37	0.5	25 X 25			6960	6750	6000	5100	3300	1500							
CGXMB0571M <span style="color:red">NEW</span>	71	0.37	0.5	50 X 50	19200(5m)	15600	14200	12600	9000										
CGXMB1080D	80	0.75	1	25 X 25					10500	10400	10200	9900	9000	7800	6600	5100	3900		
CGXMB1080J	80	0.75	1	40 x 40		18000	17300	16500	14700	12600	10200	6000							
CGXMB1580M <span style="color:red">NEW</span>	80	1.1	1.5	50 X 50	24000	22800	21600	19800	15000	9000									
CGXMB2090K	90	1.5	2	50 X 40			25800	25500	25200	24900	24600	24300	24000	22800	21600	19800	16800	12000	
CGXMB2090KT* <span style="color:red">NEW</span>	90	1.5	2	50 X 40		21000	20700	20400	19800	18900	18000	17100	16200	15000	12000	9000	6000		
CGXMB2090Q	90	1.5	2	80 x 80	54000	48000	43800	39000	27000										
CGXMB2090Q-LV	90	1.5	2	80 x 80	54000	48000	43800	39000	27000										
CGXMB2090Q-DP	90	1.5	2	80 x 80	54000	48000	43800	39000	27000										
CGXMB2190N	90	1.5	2	65 X 50					28800	25200	20400	14000	6000						
CGXMB2190NT* <span style="color:red">NEW</span>	90	1.5	2	65 X 50					28800	25200	20400	14000	6000						
CGXMB2190N-WV <span style="color:red">NEW</span>	90	1.5	2	65 X 50	36000	33000	31800	30000	26400	22200	16200	10800							
CGXMB0571J-ES	71	0.37	0.5	40 X 40	14000	13200	12600	11400	7200										
CGXMB1080M-ES	80	0.75	1	50 X 50	30000	27000	19800	16200	6000										

\*3Ph Pump

## Aluminium Extrusion Motor Body Pumps

Cat ref	Frame	POWER		Pipe Size	Total Head in Meters														
		kW	HP		mm	9	10	13	15	16	18	21	22	23	24	26	27	28	
				Discharge in Litre Per Hour															
CGXMB0571D15-AE	71	0.37	0.5	25 X 25	5870	5400	4200	2580											
CGXMB0571D18-AE	71	0.37	0.5	25 X 25			5400	4600	4300	2700									
CGXMB0571D24-AE	71	0.37	0.5	25 X 25				5850	5700	5150	3650	3100	2500	1700					
CGXMB1071D28-AE	71	0.75	1	25 X 25									5450	5050	4000	3350	2600		
CGXMB1071E27-AE	71	0.75	1	32 X 25									5700	5200	4700	3500	2760		

# Agro 3Ph Centrifugal Mono Block Pump Set

# CGXMB<sup>®</sup>

NEW



### Applications

- Agriculture, Irrigation (Sprinkler, Drip) Rural Drinking Water Supply etc.,

### Features And Specifications

- CED coated pump components
- Cast iron motor body
- Robust Construction
- High Quality Mechanical seal used for long life
- Balanced rotor and impeller used to ensure vibration free performance
- Stainless steel shaft
- Designed for high water discharge
- Energy efficient motor design
- TEFC motor with Class - F insulation.
- Flow rate up to 1650LPM
- Head up to 68mtr
- Supply: 3ph, AC, 50Hz; voltage – 350 to 440v.

Construction Details	
Motor Body	Cast Iron FG 200
Volute Casing	Cast Iron FG 200
Impeller	Cast Iron FG 200
Adaptor	Cast Iron FG 200
Flange	Cast Iron FG 200
End Cover	Cast Iron FG 200
Shaft	SS 410
Sealing Type	Mechanical Seal
Stamping	M47
Winding	Copper

### Pipe Size reference for suction and delivery

D" Pipe Size 25 x 25 (1 Inch x 1 Inch)
F' Pipe Size 32 x 32 (1.25 Inch x 1.25 Inch)
E' Pipe Size 32 x 25 (1.25 Inch x 1 Inch)
G' Pipe Size 40 x 25 (1.50 Inch x 1 Inch)
J' Pipe Size 40 x 40 (1.50 Inch x 1.50 Inch)
M' Pipe Size 50 x 50 (2 Inch x 2 Inch)
K' Pipe Size 50 x 40 (2 Inch x 1.5 Inch)
N' Pipe Size 65 x 50 (2.5 Inch x 2 Inch)
P' Pipe Size 80 x 65 (3 Inch x 2.5 Inch)
Q' Pipe Size 80 x 80 (3 Inch x 3 Inch)
R' Pipe Size 100 x 80 (4 Inch x 3 Inch)
S' Pipe Size 100 x 100 (4 Inch x 4 Inch)

CG Ref	Power	Pipe Size	Discharge (LPM)											
			120	150	200	250	300	350	400	450	500	550	600	
	kW/HP	mm	Head in Meters											
CGXMB03K38	2.2/3	50 x 40	38	36	32	25	11							
CGXMB05K42	3.7/5	50 x 40		42	41	40	39	38	36	33	28	20	12	
CGXMB07K58	5.5/7.5	50 x 40					58	57	56	54	48	32		
CG Ref	Power	Pipe Size	Discharge (LPM)											
			300	400	500	600	700	800	900	1000	1100	1200	1300	
	kW/HP	mm	Head in Meters											
CGXMB03N24	2.2/3	65 x 50	24	22.5	20	17	14							
CGXMB03P18	2.2/3	80 x 65			18	17	16	14	11					
CGXMB05N34	3.7/5	65 x 50		34	28	16								
CGXMB05N38	3.7/5	65 x 50	38	37	35	31	25	18						
CGXMB05P26	3.7/5	80 x 65				26	25	23.5	22	20				
CGXMB07N52	5.5/7.5	65 x 50		52	49	45	40	34						
CGXMB07N53	5.5/7.5	65 x 50			53	51	49	46	42					
CGXMB07P34	5.5/7.5	80 x 65		34	33	32	30	28	25.5	22	17			
CGXMB07P36	5.5/7.5	80 x 65		36	35	34	33	32	30.5	28	25	21	16	
CGXMB10N52	7.5/10	65 x 50		52	50	47.5	44	38	30					
CGXMB10N68	7.5/10	65 x 50			68	66	64	60	43					
CGXMB10P40	7.5/10	80 x 65					40	39	36	29	20	12		
CG Ref	Power	Pipe Size	Discharge (LPM)						Head in Meters					
			600	750	900	1050	1200	1350	1500	1650				
	kW/HP	mm	Head in Meters											
CGXMB05R18	3.7/5	100 x 80		18	17	16	14.5	12.5	10					
CGXMB07R26	5.5/7.5	100 x 80		26	25	24	22.5	20.5	18					
CGXMB10R36	7.5/10	100 x 80	36	35	34	32	30	27	24					
CGXMB03S15	2.2/3	100 x 100		15	14	12	10	8						
CGXMB05S16	3.7/5	100 x 100		16	15	14	13	12	10					
CGXMB07S26	5.5/7.5	100 x 100	26	25	24	22	20	18	16					
CGXMB10S34	7.5/10	100 x 100			34	32	30	27	26	24				

## Self Priming Pressure Booster Pumps

# CG FORCEHEAD

CG FORCEHEAD is supplied with pressure tank for constant water pressure in system. Booster Pump is designed to automatically start and stop depending on water tap operation

### Applications

- To get Pressurized water in Lawns, Washroom,
- Kitchen & Shower for clean water
- Pressure Boosting in Houses, Villas, Small Buildings.
- Water Distribution in Greenhouse & used for Pressure Boosting

### Features & Specification :

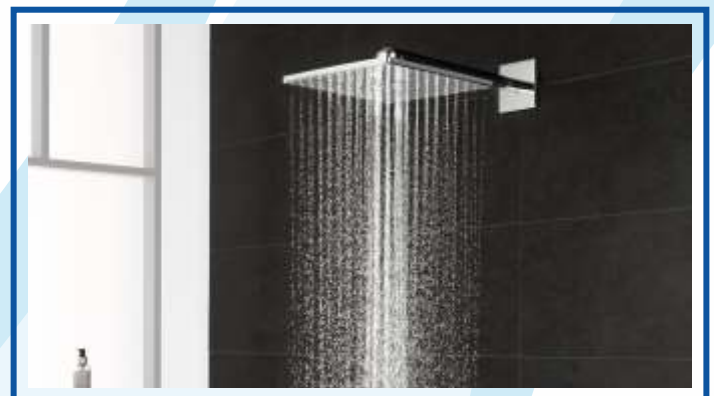
- Self-Priming up to 7.5 meter.
- CED Coated Pump Components..
- TEFC Motor With Class – F Insulation
- Powder coated motor body.
- High quality mechanical seal for long life.
- Fitted with Thermal Overload Protector.
- Inbuilt electronic pressure switch & controller.
- Y Brass strainer provided with pumps to avoid entry of small particles.
- Wide Voltage Band 180 to 240V.



Construction Detail	
Motor Body	Aluminium Extrusion
Pump Casing	Cast Iron
Adaptor	Cast Iron
Impeller	Forged Brass
Shaft	SS 410
Winding	Copper
Stamping	CRNO
Mechanical Seal	Carbon vs Ceramic
Supply	1Ph, 220V, 50Hz
Speed (RPM)	2800

Model	CGDMM05FH	CGDMM10FH
Pressure Tank (capacity)	1.5 Liter	1.5 Liter
Pre charge pressure:	1.1 bar	1.1 bar
Pump Cut-on Pressure	1.2 bar	2.4 bar
Pump Cut-off Pressure	2.4 bar	3.8 bar
Liquid Temperature	Max 65°C	Max 65°C
Suitable For	1 Valve outlet	2 Valve outlet

Cat Ref	Frame	Power		Pipe Size	Head In Meter												
					6	9	12	15	18	21	24	27	30	34	36	38	
		kW	HP	mm	Discharge in Litre Per Hour												
CGDMM05FH	63	0.37	0.5	25x25	1900	1750	1550	1300	1050	750	400						
CGDMM10FH	71	0.75	1	25x25	2650	2600	2500	2400	2250	2100	1900	1750	1550	1300	1150	1000	



# High Speed Self Priming Pressure Booster Pumps

# CGHMB

NEW

CGHMB is supplied with pressure tank for constant water pressure in system. Booster Pump is designed to automatically start and stop depending on water tap operation

### Applications

- Pressure Boosting in Houses, Villas, Small Buildings, Water Distribution in Greenhouse, Used for Pressure Boosting or constant pressure application, Car washing centers.

### Product Features And Specifications

- All Cast iron components are "CED coated".
- TEFC Motor With Class – "F Insulation"
- Powder Coated Aluminium Extruded Motor Body.
- Pumps are fitted with float switch for automatic operation.
- SS 304 Impeller & Diffuser.
- "High quality mechanical seal for long life.
- With Thermal Overload Protector.
- Fitted with Pressure Tank & Danfoss#/Switchmatic Pressure Switch.
- Brass Y-Strainer on Suction to avoid entry of small particles.
- Supply Voltage: 220V (+6 / -15 %), 1Ph.

### Working method

- The automatic pressure system is designed to automatically start & stop the pump on opening and closing of taps and maintains the system pressure.
- It consists of water pump, Pressure tank, Y-Strainer and pressure switch.

### Accessories Includes



Switchmatic Digital Pressure Switch



Danfoss Pressure Switch#



Pressure Tank



Y-Strainer



Float Switch



CG HMB	
Construction Detail	
Adaptor	Cast iron FG 200
Outer Cover	Cast iron FG 200
End Cover	Aluminum PDC
Impeller	SS 304
Diffuser	SS 304
Rotor with Shaft	SS 410 Shaft + Die cast Rotor
Motor body	Aluminum Extruded with Powder Coated
Cooling Fan	Plastic - PP
Cooling Fan Cover	Plastic - PPCP
Vent Plug	Brass
Stamping	M47
O-ring / Gaskets	Nitrile Rubber
Pressure Tank	MS Cylindrical + EPDM Rubber Bladder
Pressure Switch	Danfoss Make# / Switchmatic Digital Switch
5Way Connector	Brass
'Y' Strainer	Brass



Pump Model	Cat Ref	kW/HP	No Of Stage	Tank Capacity (Ltr)	Recommended No of Taps / Outlet	Approx Suitable for No Of Bathrooms	Recommended Pressure Setting Range(bar)	Pre Charge Tank Pressure (bar)
M2 (2m <sup>3</sup> /hr)	CGHMB0705M2-24	0.55/0.75	5	24	6-8	3	1.5-3.5	1.5
	CGHMB1006M2-24	0.75/1	6	24	6-8	3	2.5-4.5	2.3
	CGHMB1004M2-24E <sup>#</sup>	0.75/1	4	24	4-6	2-3	1.2-2.4	2
M4 (4m <sup>3</sup> /hr)	CGHMB1004M4-24	0.75/1	4	24	10-12	5	1.5-3.0	1.5
	CGHMB1506M4-24	1.10/1.50	6	24	10-12	5	2.5-4.5	2.3

Pump Model	Cat Ref	kW/HP	No. Of Stage	Discharge (LPM)	8	12	17	25	33	42	50	59	67	75	
M2 (2m <sup>3</sup> /hr)	CGHMB0705M2-24	0.55/0.75	5	Head (M)	41	40	39	36	33	30	27	23	19	13	
	CGHMB1006M2-24	0.75/1	6		51	50	48	45	42	39	35	30	25	18	
	CGHMB1004M2-24E <sup>#</sup>	0.75/1	4			32	30	27	24	21	17	12 (60LPM)			
Pump Model	Cat Ref	kW/HP	No. Of Stage	Discharge (LPM)					15	35	50	65	85	100	120
M4 (4m <sup>3</sup> /hr)	CGHMB1004M4-24	0.75/1	4	Head (M)					34	32	29	27	22	17	12
	CGHMB1506M4-24	1.1/1.5	6						51	48	44	40	33	27	19



### Applications

- Construction sites, Hotels and Restaurants, Sewage treatment plants, Waste water treatment plants, etc.

### Features And Specifications

- Cast iron components CED coated
- Hardware's & Body Materials are SS 304
- Built in Thermal Overload Protector for all 1 Ph motors
- 1Ph pumps are fitted with float switch for automatic operation
- Double side Silicon carbide mechanical seal and Double lip seal to ensure better sealing
- Solid handling Maximum size up to Dia 45 mm
- 'F' class insulation
- IP 68 protection
- Liquid temp up to 60° C.
- Voltage band : 1PH: 180 -240V, 3PH: 350-440V



### Construction Detail

Construction Detail	
Motor Body & Hardware's	SS 304
Top Cover	Cast Iron FG 200
Bottom Cover	
Cable Cover	
Volute Casing	
Impeller (Vortex)	
Seal Cap	
Flange	
Rotor with Shaft	
Handle	SS 304
Power Supply Cord	Poly vinyl Chloride & NBR Molded
Mechanical seal	Double side silicon carbide +Carbon & Ceramic
Stamping	M47
O-Rings	NBR

Cat ref	Max Solid Handling Size (mm)	POWER		Delivery Pipe Size (mm)	Total Head in Meter										
		kW	HP		5	6	7	8	9	11	13	15	17	19	
				Discharge in LPM											
CGSTP005F	20	0.37	0.5	32	165	130	100	35							
CGSTP010M	35	0.75	1	50			385	330	280	100					
CGSTP020M	35	1.5	2	50					550	520	440	300	50		
CGSTP020MT	35	1.5	2	50					550	520	440	300	50		
CGSTP030Q	45	2.2	3	80			750	740	730	700	650	580	450	300	
CGSTP030QT	45	2.2	3	80			750	740	730	700	650	580	450	300	

**Applications**

- Clear Water Supply to overhead tanks, Lawn & Garden, Water Distribution in Greenhouse, to use in collapsed/Irregular bore well.

**Features And Specifications**

- High Suction Head & Ease of Installation.
- Twin Type design suitable for 4" & above bore wells.
- All Cast iron components are "CED coated".
- TEFC Motor With Class – "F Insulation"
- Powder Coated Aluminium Extruded Motor Body.
- Pumps are fitted with jet unit.
- "High quality mechanical seal for long life.
- Liquid – Clear and Cold Water
- Fitted With Thermal Overload Protector.
- Provided Brass Jet Assembly.
- Supply Voltage: 220V (+6 / -15 %), 1Ph.



Construction Details	
Impeller	Noryl
Diffuser	Noryl
Shaft	Stainless Steel
Drum	Stainless Steel
Motor Body	AL Extrusion
End Cover	Cast Iron FG 200
Adaptor	Cast Iron FG 200
Front Casing	Cast Iron FG 200
Control Valve	Cast Iron FG 200
Fan Cover	MS
Fan	Plastic
Jet Assembly	Brass

Cat Ref	kW/HP	No. Of Stage	Operating pressure (Kg/cm <sup>2</sup> )	Pipe Connection (mm) Suction x Pressure x Delivery	Discharge (LPH)	800	600	400	280
CGCJV10T2	0.75/ 1.00	2	1.8	32 x 25 x 25	DLWL Head (M)	30	35	40	45

# Vertical Submersible Pump Set (V3 & V4)



### Applications

Drinking water supply for domestic and community, Sprinkler and Drip irrigation, Gardening, Farm Irrigation, Educational Institutes, High storey buildings, Industrial water supply, Construction site and Hotels etc.

### Features

- Designed for high efficiency water lifting
- Cast Iron Components are CED Coated
- All V3 and Selected V4 ratings are in Copper Rotor.
- Wide Voltage Band
- Inbuilt Non Return valve (NRV)

Construction Detail			
Parameter	Water Filled	Water Filled	Oil Filled
Motor and Pump Dia	80mm (3 Inches)	100mm (4 Inches)	100mm (4 Inches)
Motor Body & Pump Casing	Stainless Steel 202	Stainless Steel 202	Stainless Steel 202
Motor and Pump Shaft	Stainless Steel 410	Stainless Steel 410	Stainless Steel 410
Motor Stamping	CRNGO	CRNGO	CRNGO
Winding	Poly wrapped Copper	Poly wrapped Copper	Enameled Copper
Motor	Water	Water	Prefilled with Oil
Voltage Band	1 Ph 160v-240v, 50Hz	1 Ph 160v-240v, 50Hz	1 Ph 160v-240v, 50Hz
Motor Bearing	Thrust Bearing - SS Vs Carbon	Thrust Bearing - SS Vs Carbon	Ball Bearing
Bush	Bronze LTB-4	Bronze LTB-4	N/A
RPM (Synchronous)	3000	3000	3000
Diffuser / Bowl	Noryl	Noryl	Noryl
Impeller	Noryl	Noryl	Noryl
Fasteners	SS 304	SS 304	SS 304
Sealing	Oil Seal	Oil Seal	Oil Seal
Cable Length	1.5 Mtr	1.5mtr	1.5mtr
Discharge Outlet	Cast Iron	Cast Iron fitted with NRV	Cast Iron fitted with NRV

### Submersible Pumpsets for 3" / 80mm Borewells , 220V, Single Phase , 50Hz , AC Power Supply

Catref*	KW	HP	No. of Stage	Pipe Size (mm)	Discharge In LPM												Capacitors		Current (Amp.)
					15	25	35	40	45	50	60	70	75	80	90	100	Start	Run	
					Head in Meter												Mfd	Mfd	
V3W1010C1-FA	0.75	1.00	10	32	40	37	33	32	30	29	25	22	20	18	14	7	100 / 120	50	6.80
V3W1012C1-FA	0.75	1.00	12	32	45	42	39	37	34	31	25	19	14	8			100 / 120	50	6.80
V3W1016C1-FB	0.75	1.00	16	32	58	53	49	45	41	37	29	22	17	10			100 / 120	50	7.20
V3W1214C1-FD	0.95	1.25	14	32	55	53	50	48	46	44	40	35	32	29	21	10	100 / 120	50	7.30

Catref	KW	HP	No. of Stage	Outlet Pipe Size (mm)	Discharge In LPM												Capacitors		Current (Amp.)
					10	15	20	25	30	35	40	45	50	55	60	65	Start	Run	
					Head in Meter												Mfd	Mfd	
V3W0509C1-FC	0.37	0.5	9	32	35	35	34	33	32	30	28	25	22	19	15	10	100 / 120	50	6.80
V3W1019C1-FC	0.75	1	19	32	73	70	66	63	60	55	50	45	40	35	25	10	100 / 120	50	6.80



**Submersible Pumpsets for 4" / 100mm Borewells , 220V, Single Phase , 50Hz , AC Power Supply (High Discharge)**

Catref	KW	HP	No. of Stage	Outlet Pipe Size (mm)	Discharge In LPM								Capacitors		Current
					20	30	40	50	60	70	90	100	Start	Run	(Amp.)
					Head in Meter								Mfd	Mfd	
V4W1007A1J <small>NEW</small>	0.75	1.00	7	40	50	46	42	38	33	27	12		100-120	50	6.8
V4W1007A1J-32 <small>NEW</small>	0.75	1.00	7	32	50	46	42	38	33	27	12		100-120	50	6.8
V4W1007A1B	0.75	1.00	7	40	45	43	41	38	34	29	18	12	100-120	50	6.8
V4W1007A1B-32	0.75	1.00	7	32	45	43	41	38	34	29	18	12	100-120	50	6.8
V4W1512A1B	1.10	1.50	12	40	74	70	65	60	53	46	26	16	120-150	72	9.6
V4W2014A1B	1.50	2.00	14	40	88	82	76	70	62	53	32	20	250-200	100	11.0

Catref*	KW	HP	No. of Stage	Outlet Pipe Size (mm)	Discharge In LPM									Capacitors		Current
					20	30	50	60	60	70	80	100	115	Start	Run	(Amp.)
					Head in Meter									Mfd	Mfd	
V4W1010A1A	0.75	1.00	10	32	55	54	50	54	46	41	35	22	11	100-120	50	6.87
V4W1010A1A-40	0.75	1.00	10	40	55	54	50	54	46	41	35	22	11	100-120	50	6.87
V4W1514A1A	1.10	1.50	14	32	77	76	70	76	64	57	49	31	16	120-150	72	9.62
V4W2016A1A	1.50	2.00	16	32	88	86	80	86	74	66	56	35	20	250-200	100	12.65

**Submersible Pumpsets for 4" / 100mm Borewells , 220V, Single Phase , 50Hz , AC Power Supply (High Head)**

Catref	KW	HP	No. of Stage	Outlet Pipe Size (mm)	Discharge In LPM								Capacitor		Current
					9	18	27	36	45	50	55	65	Start	Run	(Amp.)
					Head in Meter								Mfd	Mfd	
V4W0508A1C	0.37	0.50	8	32	38	35	32	27	22	19	15	8	80-100	30	4.8
V4W0712A1C	0.55	0.75	12	32	57	53	48	41	33	28	22	11	100-120	36	5.6
V4W1016A1C	0.75	1.00	16	32	76	70	64	54	44	38	30	15	100-120	50	6.8
V4W1018A1C	0.75	1.00	18	32	86	79	72	61	50	42	33	17	100-120	50	6.8
V4W1021A1C	0.75	1.00	21	32	100	92	84	71	58	49	39	20	100-120	50	6.8
V4W1525A1C	1.10	1.50	25	32	116	106	97	81	66	56	47	22	120-150	36+36	9.6
V4W2032A1C	1.50	2.00	32	32	148	136	124	103	85	72	60	28	150-200	50+50	12.6

Catref	KW	HP	No. of Stage	Outlet Pipe Size (mm)	Discharge In LPM								Capacitors		Current
					15	20	30	35	40	45	55	60	Start	Run	(Amp.)
					Head in Meter								Mfd	Mfd	
V4W0508C1H*	0.37	0.50	8	32	52	48	40	36	32	26	16	8	80-100	30	5.3
V4W0712C1H*	0.55	0.75	12	32	78	72	60	54	47	38	24	12	100-120	36	6.1
V4W1013C1H*	0.75	1.00	13	32	85	78	65	59	51	41	26	13	100-120	36	7.5
V4W1016C1H*	0.75	1.00	16	32	104	96	80	72	63	51	32	16	100-120	36	7.5
V4W1520C1H*	1.10	1.50	20	32	130	120	100	90	79	64	40	20	120-150	50	10.5
V4W1524C1H*	1.10	1.50	24	32	156	144	120	108	95	77	48	24	120-150	50	10.5
V4W2025C1H*	1.50	2.00	25	32	163	150	125	113	98	80	50	25	150-200	36+36	13.8
V4W2032C1H*	1.50	2.00	32	32	208	192	160	144	126	102	64	32	150-200	36+36	13.8
V4W3040C1H*	2.20	3.00	40	32	260	240	200	180	160	130	80	40	200-250	36+36+36	19.8

Catref	KW	HP	No. of Stage	Outlet Pipe Size (mm)	Discharge In LPM									Capacitors		Current
					28	35	45	60	65	70	80	90	Start	Run	(Amp.)	
					Head in Meter									Mfd		Mfd
V4W0707C1J*	0.55	0.75	7	32	49	46	42	35	32	28	21	14	100-120	36	6.2	
V4W1010C1J*	0.75	1.00	10	32	70	65	60	50	45	40	30	20	100-120	36	7.5	
V4W1010C1J-40*	0.75	1.00	10	40	70	65	60	50	45	40	30	20	100-120	36	7.5	
V4W1515C1J*	1.10	1.50	15	32	105	98	90	75	68	60	45	30	120-150	50	10.5	
V4W2020C1J*	1.50	2.00	20	32	140	130	120	100	90	80	60	40	150-200	36+36	13.8	
V4W3025C1J*	2.20	3.00	25	32	175	163	150	125	113	100	75	50	200-250	36+36+36	19.8	
V4W3028C1J*	2.20	3.00	28	32	196	182	168	140	126	112	84	56	200-250	36+36+36	19.8	
V4W3030C1J*	2.20	3.00	30	32	210	195	180	150	135	120	90	60	200-250	36+36+36	19.8	

Catref	KW	HP	No. of Stage	Delivery Outlet Pipe Size (mm)	Discharge In LPM								Capacitors		Current
					40	50	55	70	78	85	95	105	Start	Run	
					Head in Meter								Mfd	Mfd	(Amp.)
V4W1008C1K*	0.75	1.00	8	40	56	52	49	40	36	32	24	16	100-120	36	7.5
V4W1512C1K*	1.10	1.50	12	40	84	78	73	60	54	48	36	24	120-150	50	10.5
V4W2016C1K*	1.50	2.00	16	40	112	104	98	80	72	64	48	32	150-200	36+36	13.8

**Submersible Pumpsets for 4" / 100mm Borewells , 220V, Single Phase , 50Hz , AC Power Supply**

Catref	KW	HP	No. of Stage	Outlet Pipe Size (mm)	Discharge In LPM								Capacitor		Current
					20	30	40	50	60	70	90	100	Start	Run	
					Head in Meter								Mfd	Mfd	(Amp.)
V4O1007A1J <small>NEW</small>	0.75	1.00	7	40	50	46	42	38	33	27	12		N/A	36	6.1
V4O1007A1J-32 <small>NEW</small>	0.75	1.00	7	32	50	46	42	38	33	27	12		N/A	36	6.1
V4O1007A1F	0.75	1.00	7	40	45	43	41	38	34	29	18	12	N/A	36	6.1
V4O1007A1F-32	0.75	1.00	7	32	45	43	41	38	34	29	18	12	N/A	36	6.1
V4O1512A1F	1.10	1.50	12	40	74	70	65	60	53	46	26	16	N/A	50	10.0
V4O2014A1F	1.50	2.00	14	40	88	82	76	70	62	53	32	20	N/A	36+36	11.0

Catref	KW	HP	No. of Stage	Outlet Pipe Size (mm)	Discharge In LPM								Capacitor		Current
					20	30	50	60	70	80	100	115	Start	Run	
					Head in Meter								Mfd	Mfd	(Amp.)
V4O1010A1E	0.75	1.00	10	32	56	55	50	47	42	36	24	11	N/A	36	6.1
V4O1010A1E-40	0.75	1.00	10	40	56	55	50	47	42	36	24	11	N/A	36	6.1
V4O1514A1E	1.10	1.50	14	32	79	77	71	66	59	51	33	16	N/A	50	8.7
V4O2016A1E	1.50	2.00	16	32	90	88	81	76	68	58	38	20	N/A	36+36	11.4

**Submersible Pumpsets for 4" / 100mm Borewells , 220V, Single Phase , 50Hz , AC Power Supply**

Catref	KW	HP	No. of Stage	Outlet Pipe Size (mm)	Discharge In LPM								Capacitor		Current
					9	18	27	36	45	50	55	65	Start	Run	
					Head in Meter								Mfd	Mfd	(Amp.)
V4O0508A1D	0.37	0.50	8	32	38	35	32	27	22	19	15	8	N/A	30	4.1
V4O0712A1D	0.55	0.75	12	32	57	53	48	41	33	28	22	11	N/A	36	5.0
V4O1016A1D	0.75	1.00	16	32	76	70	64	54	44	38	30	15	N/A	36	7.1
V4O1018A1D	0.75	1.00	18	32	86	79	72	61	50	42	33	17	N/A	36	7.1
V4O1021A1D	0.75	1.00	21	32	95	88	80	68	55	47	37	19	N/A	36	7.1
V4O1525A1D	1.10	1.50	25	32	116	106	97	81	66	56	47	22	N/A	50	8.7
V4O2032A1D	1.50	2.00	32	32	148	136	124	103	85	72	60	28	N/A	36+36	11.4

\* Ratings are available in 3Ph also

**V4 New Ratings NEW**

Cat ref	KW	HP	No. of Stage	Outlet Pipe Size (mm)	Discharge In LPM								Capacitors		Current	
					15	30	40	50	60	70	80	90	100	Start		Run
					Head in Meter								Mfd	Mfd	(Amp.)	
V4W0506A1N #	0.37	0.50	6	32	32	29	25	19	10				80-100	30	5.30	
V4W0508A1N #	0.37	0.50	8	32	42	38	33	26	15				80-100	30	5.30	
V4W0508A1H #	0.37	0.50	8	32	52	41	31	20	8				80-100	30	5.30	
V4W1008A1K #	0.75	1.00	8	40	60	55	52	48	42	35	28	20	8	100-120	36	7.50
V4W1010A1J #	0.75	1.00	10	32	70	62	56	50	43	34	24	10		100-120	36	7.50

# Ratings are available with oil filled motor also

**V4 New Ratings NEW**

Cat ref	KW	HP	No. of Stage	Outlet Pipe Size (mm)	Discharge In LPM								Capacitors		Current	
					10	30	50	70	90	100	130	150	170	Start		Run
					Head in Meter								Mfd	Mfd	(Amp.)	
V4W1510A1Q	1.10	1.50	10	50	70	67	64	61	56	53	40	30	20	120-150	50	10.50
V4W1512A1K	1.10	1.50	12	50	90	80	70	55	30	15				120-150	50	10.50
V4W2008A1P	1.50	2.00	8	50	52	50	48	45	42	40	32	25	16	150-200	36+36	13.80
V4W2010A1P	1.50	2.00	10	50	63	61	58	55	51	49	40	30	20	150-200	36+36	13.80

AGRICULTURAL Bore well  
Submersible pump  
(V4, V5, V6, V7 & V8)



**Applications**

- Farm Irrigation
- Sprinkler irrigation
- Industrial Water Supply
- High Rise Buildings
- Construction Sites

**Features**

- V4 Pumpset Cast Iron components are CED coated
- Design Mixed and Radial flow for high efficiency water lifting
- Copper Rotor
- Wide Voltage band, 3Ph (350v-440v) 50Hz, 1Ph (160v-240v) 50Hz.
- Fitted with NRV Valve.
- Ranges from Starting from 3.0 HP– 40 HP in 3Ph & Selected model is also available in 1PH.
- Specially designed Tubular packing (Paper core) for safe delivery during transportation.
- “JANTA” Models are also available in combination of 6 Inch Motor with 7 Inch Pump.

**Material Details:**

Model	Impeller	Bowl/Diffuser
V4	NORYL	NORYL / CAST IRON FG 200*
V5	SS 410	CAST IRON - FG 200
V6	SS 410	CAST IRON - FG 200 / SS 410*
V7 and V8	SS 410	CAST IRON - FG 200

**Material of Construction –Motor**

V4 WATER FILLED MOTOR		
S. No	PART NAME	MATERIAL
1	ROTOR SHAFT	SS 420
2	SAND SLINDER	NITRILE RUBBER + SS
3	SAND COVER	SS 410
4	OIL SEAL	NITRILE RUBBER
5	ADAPTOR	CI FG-200
6	THRUST BEARING	CARBON + MS
7	STAMPING	CRNO M-47
8	STATOR PIPE	SS 202
9	BEARING BUSH	LTB-4
10	LOWER HOUSING	CI FG-200
11	DIAPHRAGM	NITRILE RUBBER
12	MOTOR BASE	CI,FG-200

V4 RADIAL & MIXED FLOW PUMP		
S. No	PART NAME	MATERIAL
1	NRV	CAST IRON FG-200
2	VALVE ASSY.	SS 410
3	RUBBER BUSH	NITRILE RUBBER
4	MIDDLE	NORYL GNF3
5	PUMP SHAFT	SS 420/431
6	PUMP TUBE	SS 202
7	BOWL	NORYL GNF3
8	IMPELLER	NORYL GNF3
9	SLEEVE	SS 410
10	COUNTER BUSH	NITRILE RUBBER+CS
11	COUPLE	SS 410
12	INTERMEDIATE	CAST IRON FG-200

Material of Construction –Motor

V6 WATER FILLED MOTOR		
S. No	PART NAME	MATERIAL
1	COUPLE	SS 410
2	SAND GUARD	SS 420
3	OIL SEAL	NITRILE RUBBER + SS
4	ADAPTOR	CI FG-200
5	BEARING BUSH	LTB-4
6	UPPER HOUSING	CI FG-200
7	STATOR PIPE	SS 202
8	ROTOR SHAFT	SS 420/431
9	STAMPING	CRNO-M47
10	LOWER HOUSING	CI FG-200
11	T-BOLT	CARBON STEEL , EN-8
12	THRUST BEARING	SS AISI-410 + CARBON
13	MOTOR BASE	CI FG-200
14	DIAPHRAGM	NITRILE RUBBER
15	MOTOR BASE PLATE	SS AISI-410

V8 WATER FILLED MOTOR		
S. No	PART NAME	MATERIAL
1	COUPLE	SS 410
2	SAND GUARD	SS 420
3	OIL SEAL	NITRILE RUBBER + SS
4	ADAPTOR	CI,FG-200
5	BEARING BUSH	LTB-4
6	UPPER HOUSING	CI FG-200
7	STATOR PIPE	SS 202
8	ROTOR SHAFT	SS 420/431
9	STAMPING	CRNO-M47
10	LOWER HOUSING	CI,FG-200
11	T-BOLT	CARBON STEEL, EN-8
12	THRUST BEARING	SS AISI-410+ CARBON
13	MOTOR BASE	CI FG-200
14	DIAPHRAGM	NITRILE RUBBER
15	MOTOR BASE PLATE	CI FG-200

Material of Construction –Pumps

V6 & V8 MIXED FLOW PUMP		
S. No	PART NAME	MATERIAL
1	NRV	CAST IRON FG-200
2	CABLE GUARD	SS 410
3	VALVE ASSY.	SS 202
4	BEARING BUSH	NITRILE RUBBER+CS
5	IMPELLER	SS 410
6	BOWL	CAST IRON FG-200
7	WEAR RING	NITRILE RUBBER+CS
8	COUNTER BUSH	LTB-4
9	THRUST WASHER	SS 410
10	RUBBER BUSH	NITRILE RUBBER+CS
11	PUMP SHAFT	SS 420/431

V6 & V8 RADIAL FLOW PUMP		
S. No	PART NAME	MATERIAL
1	NRV	CAST IRON FG-200
2	CABLE GUARD	SS 410
3	VALVE ASSY.	SS 202
4	T-BOLT	MILD STEEL/SS
5	BOWL CAP	PP CP-3530
6	DISCHARGE OUTLET	CAST IRON FG-200
7	BEARING BUSH	NITRILE RUBBER+CS
8	IMPELLER	SS 410
9	BOWL	CAST IRON FG-200
10	SLEEVE	SS 410
11	PUMP SHAFT	SS 420/431

100mm 4" Bore Well – Water Filled – Mix Flow

Catref*	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)							
	KW	HP				LPM	100	200	250	300	350	400	500
CG4M030718C-1P*	2.2	3	7	65	Virgin Noryl	Head in Meters	33	28	25	21	17	13	6
CG4M030718C*	2.2	3	7	65			33	28	25	21	17	13	6
CG4M030818C-1P*	2.2	3	8	65			38	32	28	24	19	15	7
CG4M030818C*	2.2	3	8	65			38	32	28	24	19	15	7
						<b>LPM</b>	<b>105</b>	<b>120</b>	<b>130</b>	<b>160</b>	<b>175</b>	<b>190</b>	<b>205</b>
CG4M0310E10-1P	2.2	3	10	50		Head in Meters	49	47	45	40	36	30	23
CG4M0310E10	2.2	3	10	50			49	47	45	40	36	30	23
CG4M0312E10-1P	2.2	3	12	50			59	56	54	48	43	36	28
CG4M0312E10	2.2	3	12	50			59	56	54	48	43	36	28
						<b>LPM</b>	<b>226</b>	<b>274</b>	<b>298</b>	<b>333</b>	<b>381</b>	<b>429</b>	<b>452</b>
CG4M0307E20-1P	2.2	3	7	65		Head in Meters	27	24	22	21	18	14	12
CG4M0307E20	2.2	3	7	65			27	24	22	21	18	14	12
CG4M0410E20	3	4	10	65			38	34	32	30	25	20	17
CG4M0512E20	3.7	5	12	65			46	41	38	36	30	24	20

\* Ratings model with CI Bowl

100mm 4" Bore Well – Water Filled – Radial Flow

Catref	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)							
	KW	HP				LPM	6	8	14	22	25	33	40
CG4R0350E00	2.2	3	50	32	Virgin Noryl	Head in Meters	325	315	290	250	235	175	110
							<b>LPM</b>	<b>15</b>	<b>20</b>	<b>25</b>	<b>30</b>	<b>36</b>	<b>42</b>
CG4R0340E01	2.2	3	40	32		Head in Meters	260	248	228	200	164	116	56
							<b>LPM</b>	<b>20</b>	<b>25</b>	<b>32</b>	<b>40</b>	<b>50</b>	<b>55</b>
CG4R0335E02	2.2	3	35	32		Head in Meters	238	228	207	175	126	95	56
CG4R0550E02	3.7	5	50	32			340	325	295	250	180	135	80

Suitable for 125mm 5" Bore Well – Water Filled – Mixed Flow

Catref*	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)							
	KW	HP				LPM	270	330	380	450	500	550	600
CG5M0404Z10-1P	3	4	4	80	Stainless Steel	Head in Meters	34	32	30	27	24	20	16
CG5M0404Z10	3	4	4	80			34	32	30	27	24	20	16
CG5M0505Z10	3.7	5	5	80			42	40	38	34	30	25	20
CG5M0606Z10	4.5	6	6	80			50	48	46	41	36	30	24
						<b>LPM</b>	<b>290</b>	<b>380</b>	<b>460</b>	<b>550</b>	<b>620</b>	<b>680</b>	<b>750</b>
CG5M0403Z12-1P	3	4	3	80		Head in Meters	26	25	23	20	18	14	11
CG5M0403Z12	3	4	3	80			26	25	23	20	18	14	11
CG5M0504Z12-1P	3.7	5	4	80			35	33	31	27	24	19	14
CG5M0504Z12	3.7	5	4	80			35	33	31	27	24	19	14
CG5M0605Z12	4.5	6	5	80			44	42	39	34	30	24	18
						<b>LPM</b>	<b>460</b>	<b>530</b>	<b>610</b>	<b>680</b>	<b>740</b>	<b>790</b>	<b>830</b>
CG5M0503Z15	3.7	5	3	80		Head in Meters	25	23	22	21	20	17	15
CG5M0604Z15	4.5	6	4	80			33	31	30	28	26	23	20

V5 All models and ratings marked above with '\*' are with CI Bowl



Suitable for 150mm 6" Bore Well – Water Filled – Mixed Flow													
Catref	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)							
	KW	HP				LPM	130	240	340	400	450	490	520
CG6M0304H08-1P	2.2	3	4	80	Stainless Steel	Head in Meters	40	35	30	25	20	15	10
CG6M0304H08	2.2	3	4	80		40	35	30	25	20	15	10	
						LPM	110	170	240	330	400	490	560
CG6M0505H10	3.7	5	5	80		Head in Meters	68	64	58	50	44	33	25
						LPM	140	230	350	400	480	540	610
CG6M0706H12	5.5	7.5	6	80		Head in Meters	83	78	68	63	53	45	33
						LPM	250	300	350	430	510	620	700
CG6M0705H15	5.5	7.5	5	80		Head in Meters	66	64	61	55	48	33	20
						LPM	250	340	450	630	700	860	980
CG6M1006H18	7.5	10	6	80		Head in Meters	84	79	72	60	54	36	18
						LPM	310	475	580	630	710	810	960
CG6M1005H20	7.5	10	5	100		Head in Meters	73	64	59	55	52	45	35
CG6M1206H20	9.3	12.5	6	80		87	76	70	66	62	54	42	
						LPM	500	600	700	780	850	950	1100
CG6M1004H25	7.5	10	4	100		Head in Meters	54	51	48	44	41	36	27
CG6M1205H25	9.3	12.5	5	100		68	64	60	55	52	45	34	
CG6M1506H25	11	15	6	80		81	77	72	66	62	54	41	
						LPM	410	580	810	900	1020	1160	1250
CG6M1505H30	11	15	5	100		Head in Meters	78	70	60	55	48	38	30
						LPM	160	245	370	430	475	510	550
CG6M0505Z10-1P	3.7	5	5	80		Head in Meters	46	44	41	39	37	36	34
CG6M0505Z10	3.7	5	5	80		46	44	41	39	37	36	34	
						LPM	330	440	480	520	580	620	680
CG6M0504Z12-1P	3.7	5	4	80		Head in Meters	37	34	33	31	29	28	25
CG6M0504Z12	3.7	5	4	80		37	34	33	31	29	28	25	
						LPM	290	460	620	840	905	940	1000
CG6M0704Z20	5.5	7.5	4	100		Head in Meters	43	41	37	31	28	27	22

Suitable for 150mm 6" Bore Well – Water Filled – Radial Flow													
Catref	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)							
	KW	HP				LPM	170	220	275	300	360	390	430
CG6R0706H125*	5.5	7.5	6	65	Stainless Steel	Head in Meters	95	88	78	72	59	51	41
CG6R1008H125*	7.5	10	8	65		126	118	104	96	78	68	54	
CG6R1512H125*	11	15	12	65		190	176	156	144	118	102	82	
CG6R1714H125*	13	17.5	14	65		221	206	182	168	137	119	95	
						LPM	230	280	320	380	425	460	480
CG6R1208H150*	9.3	12.5	8	65		Head in Meters	120	112	106	96	86	78	72
CG6R1510H150*	11	15	10	65		150	140	132	120	108	98	90	
CG6R1712H150*	13	17.5	12	65		180	168	158	144	130	118	108	
CG6R2014H150*	15	20	14	65		210	196	185	168	151	137	126	
						LPM	245	265	295	320	350	370	395
CG6R0505Z100	3.7	5	5	50		Head in Meters	53	50	48	44	40	38	33
CG6R0708Z100	5.5	7.5	8	50		84	80	76	70	64	60	52	
CG6R1010Z100	7.5	10	10	50		105	100	95	87	80	75	65	
CG6R1213Z100	9.3	12.5	13	50		137	130	124	113	104	98	85	
CG6R1516Z100	11	15	16	50		168	160	152	139	128	120	104	
CG6R2020Z100	15	20	20	50		210	200	190	174	160	150	130	

All ratings marked above with '\*' are with SS Bowl

						<b>LPM</b>	<b>54</b>	<b>90</b>	<b>120</b>	<b>150</b>	<b>198</b>	<b>222</b>	<b>240</b>
CG6R0308Z40	2.2	3	8	50		Head in Meters	76	69	62	56	42	34	28
CG6R0512Z40	3.7	5	12	50			114	103	92	84	63	51	42
						<b>LPM</b>	<b>85</b>	<b>110</b>	<b>130</b>	<b>150</b>	<b>175</b>	<b>210</b>	<b>225</b>
CG6R0510Z50	3.7	5	10	50		Head in Meters	102	96	92	87	81	72	68
						<b>LPM</b>	<b>90</b>	<b>130</b>	<b>160</b>	<b>190</b>	<b>220</b>	<b>240</b>	<b>260</b>
CG6R0305Z60	2.2	3	5	50		Head in Meters	54	51	47	44	38	33	28
CG6R0508Z60	3.7	5	8	50			86	81	75	70	60	52	44

Suitable for 200mm 8" Bore Well – (Motor–6" & Pump–7") – Water Filled – Mixed Flow (JANTA)

Catref	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)								
	KW	HP				LPM	467	1154	1530	1700	1950	2162	2510	
CG7JM0702L40	5.5	7.5	2	100	Stainless Steel	Head in Meters	28	22	18	16	13	10	6	
CG7JM1203L40	9.3	12.5	3	100			42	33	27	24	19	15	9	
CG7JM1504L40	11	15	4	100			56	44	36	32	26	20	12	
CG7JM2005L40	15	20	5	100			70	55	45	40	32	25	15	
							<b>LPM</b>	<b>660</b>	<b>1260</b>	<b>1620</b>	<b>1900</b>	<b>2100</b>	<b>2280</b>	<b>2520</b>
CG7JM1002L50	7.5	10	2	100		Head in Meters	28	24	20	16	13	10	6	
CG7JM1503L50	11	15	3	100			42	36	30	24	20	15	9	
CG7JM2004L50	15	20	4	100			56	48	40	32	26	20	12	
							<b>LPM</b>	<b>410</b>	<b>500</b>	<b>605</b>	<b>780</b>	<b>880</b>	<b>920</b>	<b>1060</b>
CG7JM0703Z25	5.5	7.5	3	100		Head in Meters	43	41	38	33	30	29	24	
CG7JM1004Z25	7.5	10	4	100			57	54	50	44	40	38	32	
CG7JM1205Z25	9.3	12.5	5	100			71	68	63	55	50	48	40	
							<b>LPM</b>	<b>580</b>	<b>765</b>	<b>850</b>	<b>960</b>	<b>1030</b>	<b>1100</b>	<b>1200</b>
CG7JM1003Z30	7.5	10	3	100		Head in Meters	42	38	36	33	31	28	24	
CG7JM1204Z30	9.3	12.5	4	100			56	51	48	44	41	38	32	
							<b>LPM</b>	<b>230</b>	<b>480</b>	<b>650</b>	<b>820</b>	<b>1200</b>	<b>1430</b>	<b>1520</b>
CG7JM1203Z40	9.3	12.5	3	100		Head in Meters	57	51	46	42	33	27	24	
CG7JM1504Z40	11	15	4	100			76	68	62	56	44	36	32	
							<b>LPM</b>	<b>530</b>	<b>780</b>	<b>1020</b>	<b>1170</b>	<b>1440</b>	<b>1550</b>	<b>1600</b>
CG7JM1002Z50	7.5	10	2	100		Head in Meters	37	34	31	28	22	18	16	
CG7JM1503Z50	11	15	3	100		56	51	46	42	33	27	24		

Suitable for 200mm 8" Bore Well – Water Filled – Mixed Flow

Catref	Motor Rating		Stage	Outlet Pipe Size	Impeller	Discharge (LPM)								
	KW	HP				LPM	400	500	600	725	760	800	880	
CG8M1003S30	7.5	10	3	100	Stainless Steel	Head in Meters	47	44	42	39	38	36	33	
							<b>LPM</b>	<b>650</b>	<b>750</b>	<b>820</b>	<b>910</b>	<b>1000</b>	<b>1150</b>	<b>1250</b>
CG8M1203S40	9.3	12.5	3	100		Head in Meters	49	47	44	42	39	34	30	
CG8M1504S40	11	15	4	100			65	62	59	56	52	45	40	
							<b>LPM</b>	<b>690</b>	<b>850</b>	<b>970</b>	<b>1100</b>	<b>1210</b>	<b>1300</b>	<b>1420</b>
CG8M1002S50	7.5	10	2	100		Head in Meters	39	36	33	30	27	24	20	
CG8M1503S50	11	15	3	100			59	54	50	45	40	36	30	
							<b>LPM</b>	<b>780</b>	<b>1050</b>	<b>1200</b>	<b>1320</b>	<b>1400</b>	<b>1520</b>	<b>1600</b>
CG8M1202S60	9.3	12.5	2	100		Head in Meters	40	36	33	30	28	25	22	
							<b>LPM</b>	<b>870</b>	<b>1050</b>	<b>1360</b>	<b>1520</b>	<b>1650</b>	<b>1800</b>	<b>1900</b>
CG8M2003S70	15	20	3	100		Head in Meters	60	56	50	45	41	36	30	
							<b>LPM</b>	<b>1520</b>	<b>1630</b>	<b>1780</b>	<b>1900</b>	<b>2080</b>	<b>2300</b>	<b>2500</b>
CG8M4004M100	30	40	4	100		Head in Meters	81	78	75	72	67	56	32	

						LPM	700	900	1040	1150	1340	1460	1600
CG8M2004M50	15	20	4	100		Head in Meters	72	68	64	60	54	50	44
CG8M2505M50	18.5	25	5	100		90	85	80	75	68	63	55	
						LPM	1050	1280	1420	1550	1630	1970	2150
CG8M2503M80	18.5	25	3	100		Head in Meters	63	59	55	51	48	39	32
						LPM	1020	1180	1310	1450	1530	1700	2000
CG8M3004M70	22	30	4	100		Head in Meters	82	78	74	68	64	58	46



# Control Panel for Water filled submersible pumps 1 Phase



Range: 0.5HP to 3.0HP

## Salient Features

- Robust Construction. Powder Coated Sheet Metal Box.
- Heavy duty Start Capacitor for starting torque.
- Heavy duty Run Capacitor with connector for easy replacement.
- Reputed MCB for Short Circuit Protection.
- Impresso Push Buttons specially designed for Pump Controllers.
- Special purpose Contactor for Motor Switching.
- 72mm\*72mm 30A, 300V Digital VA Meter
- Heavy duty 30A, 5 way connector strip for customer connection.
- Easy customer termination & easy for maintenance.
- Spares easily available almost all over India.



## Technical Recknor

Item Code	CGPCPW05AL	CGPCPW07BM	CGPCPW10BM	CGPCPW10BN	CGPCPW12CN	CGPCPW15CN	CGPCPW15CP	CGPCPW20DP	CGPCPW20DQ	CGPCPW30ER
HP	0.5	0.75	1	1	1.25	1.5	1.5	2	2	3
MCB (A)	6	6	8	8	10	13	13	16	13	20
Run Capacitor (MFD)	30	36	36	50	50	50	72	72	100	108
Start Capacitor (MFD)	80-100	100-120	100-120	100-120	120-150	120-150	120-150	150-200	150-200	200-250
Contactor Rating (A)	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole
Current Rating (A)	4.5, 4.8, 5.3	5.5, 5.6, 6.1, 6.2	7.5	6.8	8, 8.5	10.5	9.6	13.8	11, 12.6	19.8
Digital VA Meter	72x72	72x72	72x72	72x72	72x72	72x72	72x72	72x72	72x72	72x72

\* Standard Packing includes 6 Nos in 1 Master Carton

## Essential Spares

Component	Details	Cat. No.	Std. Pkg. (Nos.)
Ninja Contactor	20 A	S-SGCKN20	01
Ninja Contactor	40 A	S-SGCKN40	01
Ninja Housing	Ninja 1 / 2	S-SGHSGN1	01
Ninja Spare Kit Fixed contacts - 4, Moving Contacts - 2, Springs, Spring Holder, Screws, 40A Link for Ninja 2 etc.	Ninja 20 A	S-SGSKN20	10
	Ninja 40 A	S-SGSKN40	10
Coil	130 - 260 V	S-SGCL001	10



Ninja Contactor

Ninja Housing

Spare Kit

Ninja Coil

MCB 1 Pole

Connector Strip

Neon Indicator

Digital VA Meter 72X72

Current Transformer

Start Push Button

Stop Push Button

Start Capacitors

Run Capacitors

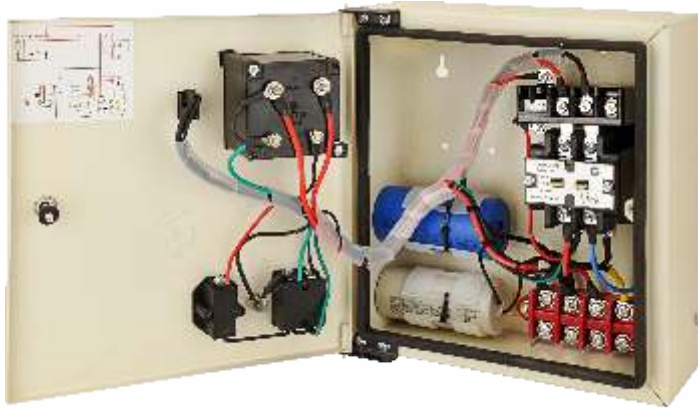
# Control Panel for Water filled submersible pumps – 1Ph



Range – 0.5Hp– 3.0Hp

### Product Features

- Robust Construction, Powder Coated Sheet Metal Box.
- Variable Overload relay ranging from 4-6A to 13-21A.
- High Reliability Special Purpose Start Capacitor for Starting Torque.
- Push Buttons Specially Designed for Pump Controllers.
- Special Purpose DMC Contactor for Motor Switching.
- High Quality Rubber Gasket used to prevent Dust entry.
- 72 x 72 mm 30A, 300V Digital VA Dual Display Meter.
- 5 Way Connector Strip for easy replacement.
- Easy for Maintenance



Item Code	CGPCPW05AL-M	CGPCPW07BM-M	CGPCPW10BM-M	CGPCPW10BN-M	CGPCPW12CN-M
HP	0.5	0.75	1	1	1.25
Start Capacitor MFD	80-100	100-120	100-120	100-120	120-150
Run Capacitor MFD	30	36	36	50	50
Contactor Rating (A)	16A, 2 Pole	16A, 2 Pole	16A, 2 Pole	16A, 2 Pole	16A, 2 Pole
Relay Range (A)	4-6A	4-6A	6-10A	6-10A	6-10A
Current Rating (A)	4.5, 4.8 & 5.3	5.5, 5.6, 6.1, 6.2	7.5	6.8	8, 8.5
Digital VA Meter (Dual Display)	72 X 72	72 X 72	72 X 72	72 X 72	72 X 72

Item Code	CGPCPW15CN-M	CGPCPW15CP-M	CGPCPW20DP-M	CGPCPW20DQ-M	CGPCPW30ER-M
HP	1.5	1.5	2	2	3
Start Capacitor MFD	120-150	120-150	150-200	150-200	200-250
Run Capacitor MFD	50	72	72	100	108
Contactor Rating (A)	16A, 2 Pole	16A, 2 Pole	24A, 2 Pole	24A, 2 Pole	24A, 2 Pole
Relay Range (A)	9-14A	9-14A	13-21A	13-21A	13-21A
Current Rating (A)	10.5	9.6	13.8	11, 12.6	19.8
Digital VA Meter (Dual Display)	72 X 72	72 X 72	72 X 72	72 X 72	72 X 72



# Control Panel for Oil filled submersible pumps 1 Phase



Range: 0.5HP to 2.0HP

## Salient Features

- Robust Construction. Powder Coated Sheet Metal Box.
- Heavy duty Run Capacitor with connector for easy replacement.
- Reputed MCB for Short Circuit Protection.
- Impresso Push Buttons specially designed for Pump Controllers.
- Special purpose Contactor for Motor Switching.
- 72mm\*72mm 30A, 300V Digital VA Meter
- Heavy duty 30A, 5 way connector strip for customer connection.
- Easy customer termination & easy for maintenance.
- Spares easily available almost all over India.



## Technical Recknor

Item Code	CGPCP005XL	CGPCP007XM	CGPCP010XM	CGPCP015XN	CGPCP020XP
HP	0.5	0.75	1	1.5	2
MCB (A)	6	6	8	10	13
Run Capacitor (MFD)	30	36	36	50	72
Contactor Rating (A)	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole	20 A, 2 Pole
Digital VA Meter	72x72	72x72	72x72	72x72	72x72
Power Wiring (Sq.mm.)	2.5	2.5	2.5	2.5	2.5

\* Standard Packing includes 6 Nos in 1 Master Carton

## Essential Spares

Component	Details	Cat. No.	Std. Pkg. (Nos.)
Ninja Contactor	20 A	S-SGCKN20	01
Ninja Contactor	40 A	S-SGCKN40	01
Ninja Housing	Ninja 1 / 2	S-SGHSGN1	01
Ninja Spare Kit Fixed contacts - 4, Moving Contacts - 2, Springs, Spring Holder, Screws, 40A Link for Ninja 2 etc.	Ninja 20 A	S-SGSKN20	10
	Ninja 40 A	S-SGSKN40	10
Coil	130 - 260 V	S-SGCL001	10



Ninja Contactor



Ninja Housing



Spare Kit



Ninja Coil



MCB 1 Pole



Connector Strip



Neon Indicator



Digital VA Meter 72X72



Current Transformer



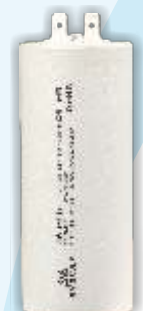
Start Push Button



Stop Push Button



Start Capacitors



Run Capacitors

# Control Panel for Oil filled submersible pumps – 1Ph



Range – 0.5Hp– 2.0Hp

### Product Features

- Robust Construction, Powder Coated Sheet Metal Box.
- Variable Overload relay ranging from 4-6A to 9-14A.
- High Reliability run capacitor with connector for easy replacement
- Push Buttons Specially Designed for Pump Controllers.
- Special Purpose DMC Contactor for Motor Switching.
- High Quality Rubber Gasket used to prevent Dust entry.
- 72 x 72 mm 30A, 300V Digital VA Dual Display Meter.
- 5 Way Connector Strip for easy replacement.
- Easy for Maintenance



Item Code	CGPCP005XL-M	CGPCP007XM-M	CGPCP010XM-M	CGPCP015XN-M	CGPCP020XP-M
HP	0.5	0.75	1	1.5	2
Run Capacitor MFD	30	36	36	50	72
Contactors Rating (A)	16A, 2 Pole	16A, 2 Pole	16A, 2 Pole	16A, 2 Pole	16A, 2 Pole
Relay Range (A)	4-6A	4-6A	6-10A	6-10A	9-14A
Current Rating (A)	4.1	5	6.1	6.1 & 7.1	11 & 11.4
Digital VA Meter (Dual Display)	72 X 72	72 X 72	72 X 72	72 X 72	72 X 72

Single Phase *MINI* Starter **SafeStart<sup>®</sup>**

Manual Contactor with in-Built Over Load Relay

**Salient Features**

- Excellent Aesthetic Look.
- Robust Construction.
- Powder coated Sheet Metal Box.
- Specialty Designed Bimetal elements gives complete protection to Motors against overload.
- Starter mechanism is Quick-Break & Trip-Free type.
- Overload relays for Starters are available in different ranges.
- Silver tipped contacts ensures long electrical life.



**Technical**

Catref*	Recommended Motor Output 1Ph - 230V - 50 Hz		Relay Range (in Amp)	Contactor Rating (in Amps)
	HP	KW		
CGSM0120A	1	0.75	4 - 7	20 Amp
CGSM0220B	2	1.50	7 - 12	20 Amp
CGSM0320C	3	2.20	11 - 20	20 Amp

**Applications**



**Other CG Products**



# 1 Phase DOL Starter



## Salient Features

- Confirms IEC 60947-4-1 Standards.
- Excellent Aesthetic Look.
- Robust Construction.
- Powder coated deep drawn Sheet Metal Box.
- 20A, 40A, AC3 Duty, 2 Pole NINJA Contactor.
- Wide Band Coil catering voltage range from 130V to 260V.
- Variable Overload Relay ranging from 6.0-10.0A to 20-32A.
- Twin Push Buttons specially designed for Motor Starters.
- Easy customer termination & easy for maintenance.
- Spares easily available almost all over India.



## Technical Recknor

Item Code	CGSD0120D	CGSD0220E	CGSD0320F	CGSD0420G	CGSD0540H
HP	1	2	3	4	5
KW	0.75	1.50	2.20	2.98	3.70
Relay Range (A)	6 - 10 A	9 - 14 A	11 - 18 A	13 - 21 A	20 - 32 A
Control Wiring (sq.mm)	0.5 X 1	0.5 X 1	0.5 X 1	0.5 X 1	0.5 X 1
Contactor Rating (A)	20 A	20 A	20 A	20 A	40 A

\* Standard Packing includes 6 Nos in 1 Master Carton

## Essential Spares

Component	Details	Cat. No.	Std. Pkg. (Nos.)
Ninja Contactor	20 A	S-SGCKN20	01
Ninja Contactor	40 A	S-SGCKN40	01
Ninja Housing	Ninja 1 / 2	S-SGHSGN1	01
Ninja Spare Kit Fixed contacts - 4, Moving Contacts - 2, Springs, Spring Holder, Screws, 40A Link for Ninja 2 etc.	Ninja 20 A	S-SGSKN20	10
	Ninja 40 A	S-SGSKN40	10
Coil	130 - 260 V	S-SGCL001	10

Component	Details	Cat. No.	Std. Pkg. (Nos.)
Overload Relay	4 - 6.5A	S-SGOLRDL	01
	6 - 10A	S-SGOLRMA	01
	9 - 14A	S-SGOLRMB	01
	11 - 18A	S-SGOLRMC	10
	13 - 22A	S-SGOLRDG	10
Twin Push Button	20 - 32A	S-SGOLRDH	10
		S-SGTPB01	06



Ninja Contactor



Ninja Housing



Add-on Block



Spare Kit



Ninja Coil



Overload Relay



Twin Push Button

# 3 Phase DOL Starter



### Salient Features

- Confirms IEC 60947-4-1 Standards.
- Excellent Aesthetic Look. Robust Construction.
- Powder Coated Deep Drawn Sheet Metal Box.
- 16A, 25A & 32A, AC3 Duty 4 Pole Contactor.
- Wide Band Coil catering voltage range from 240V to 450V.
- Variable Overload Relay ranging from 1.5-2.5A to 20-32A.
- Twin Push Buttons specially designed for Motor Starters.
- Easy customer termination
- Easy for maintenance.
- Spares easily available almost all over India.

### Technical Recknor

Item Code	CGST0116J	CGST0216K	CGST0316L	CGST0516D	CGST0816E	CGST1016F	CGST1016G	CGST1025G	CGST1225H	CGST1525H	CGST2032H
HP	1	2	3	5	7.5	10	10	10	12.5	15	20
KW	0.75	1.50	2.20	3.70	5.50	7.50	7.50	7.50	9.30	11.00	15.00
Relay Range (A)	1.5-2.5 A	2.5-4 A	4-6.5 A	6-10 A	9-14 A	11-18 A	13-22 A	13-22 A	20-32 A	20-32 A	20-32 A
Contactor Rating (A)	16	16	16	16	16	16	16	25	25	25	32
Line Current (A)	2.5	4	6	10	14	18	22	22	32	32	32
Phase Current (A)	2.5	4	6	10	14	18	22	22	32	32	32
Control Wiring (sq.mm)	0.5 X 1	0.5 X 1	0.5 X 1	0.5 X 1	0.5 X 1	0.5 X 1	0.5 X 1	0.5 X 1	0.5 X 1	0.5 X 1	0.5 X 1

\* Standard Packing includes 6 Nos in 1 Master Carton

### Essential Spares

Component	Details	Cat. No.	Std. Pkg. (Nos.)
CK 1 Contactor	16 A	S-SGCK116	01
CK 2 Contactor	25 A	S-SGCK225	01
CK 3 Contactor	32 A	S-SGCK332	01
CK Housing	CK 1 / 2 / 3	S-SGHSG01	01
CK Moving Bridge	CK 1 / 2 / 3	S-SGMVB01	01
CK Spare Kit Fixed contacts 90° - 4, Fixed contacts 60° - 4 Moving Contacts - 4, Springs & Hardware	CK 1 - 16A	S-SGSPK16	10
	CK 2 - 25A	S-SGSPK25	10
	CK 3 - 32A	S-SGSPK32	10
Single Moving Contact	CK 1 - 16A	S-SGSMC16	06
Single Moving Contact	CK 2 - 25A	S-SGSMC25	10
Single Moving Contact	CK 3 - 32A	S-SGSMC32	10
Single Phasing Preventor		S-SGSP01	01

Component	Details	Cat. No.	Std. Pkg. (Nos.)
Overload Relay	1.5 - 2.5A	S-SGOLRDJ	01
	2.5 - 4.0A	S-SGOLRDK	01
	4 - 6.5A	S-SGOLRDL	01
	6 - 10A	S-SGOLRDD	01
	9 - 14A	S-SGOLRDE	01
	11 - 18A	S-SGOLRDF	10
	13 - 22A	S-SGOLRDG	10
	20 - 32A	S-SGOLRDH	10
Twin Push Button		S-SGTPB01	06
Wide Band Coil	250 - 450 V	S-SGWBC01	10
Standard Coil	200 - 400 V	S-SGSTC01	10



CK Contactor



CK Housing



CK Moving Bridge



CK Spare Kit



CK Overload Relay



Coil



Twin Push Button



Single Phasing Preventor



## Regional Offices

### North

#### Noida

4th Floor, Discovery  
Tower A-17, Block A, Sec-62  
Noida 210 309,  
Gautam Budh Nagar, India  
Tel: +91 (0)120 6861900/01

#### Jaipur

Church Road, PO BOX 173  
Jaipur 302 001,  
Rajasthan, India  
Tel: +91 (0)141 2365371

#### Jalandhar

SCO 18, 3rd Floor, Near Dainik  
BhaskarLadowali Road,  
Jalandhar-144001, Punjab, India  
Tel: +91 (0)181 5044601/3051395

#### Lucknow

Saran Chambers II, 3rd floor  
5 Park Road, Lucknow 226 001  
Uttar Pradesh, India  
Tel: +91 (0)522 49357750/56, 4935765

### East

#### Kolkata

50 Chowringhee Road  
Kolkata 700 071  
West Bengal, India  
Tel: +91 (0)33 2282 9681/85

#### Bhubaneswar

Janpath Tower, 3rd floor, Ashok  
Nagar, Unit II, Bhubaneswar 751 009,  
Orissa, India  
M : +91 9776009188

#### Patna

501, 5th floor, Luvkush Tower,  
Exhibition Road, Patna 800 001  
Bihar, India  
M : +91 8298696969

### West

#### Mumbai

Western Region CG House,  
8th Floor, Dr. Annie Besant Road,  
Worli Mumbai 400 030  
Maharashtra, India  
Tel: +91 22 2423 8989

#### Pune

2nd floor, Argade Heights  
CTS No. 1303, Shivajinagar,  
J M Road, Above Fabindia,  
Pune- 411005, Maharashtra, India  
M : +91 9765405102

#### Ahmedabad

909-916, Sakar II, Near Ellis Bridge  
Ahmedabad 380 006,  
Gujarat, India  
Tel: +91 (0)79-2658 7481

#### Nagpur

2nd Floor, Sai Nivas, Plot No.  
U16/A, Ujjawal Co-operative Housing  
Society, Opp to Sri Nagar MSEB  
office, Ring Road, Narendra Nagar,  
Nagpur- 440 015,  
Maharashtra, India  
M : +91 9545591550

#### Raipur

A 207, Crystal Arcade  
Near Lodhi Para Square Shankar  
Nagar Road, Raipur 492 007  
Chhattisgarh, India  
M : +91 9770109571

#### Indore

108-110, Apollo Trade Centre  
2-B, Rajgarh Kothi, Geeta Bhawan  
Square, A.B. Road, Indore- 452 001,  
Madhya Pradesh, India  
M : +91 9765409622



#### Registered Office:

#### CG Power and Industrial Solutions Limited

CG House, 6<sup>th</sup> Floor, Dr. Annie Besant Road, Worli, Mumbai 400 030, Maharashtra, India.  
Contact: +91 22 2423 7864 | Website: [www.cgglobal.com](http://www.cgglobal.com)

#### Manufactured By:

#### CG Power and Industrial Solutions Limited

Commercial Motors Division, Plot No: 196-198, Kundaim Industrial Estate,  
Ponda 403 115, Goa, India. | Contact: 0832-3983250  
Website: [www.cgglobal.com](http://www.cgglobal.com) | For Enquiry: [m4.infoNB@cgglobal.com](mailto:m4.infoNB@cgglobal.com)

**All India Customer Care Toll-Free No: 1800-267-0505**