



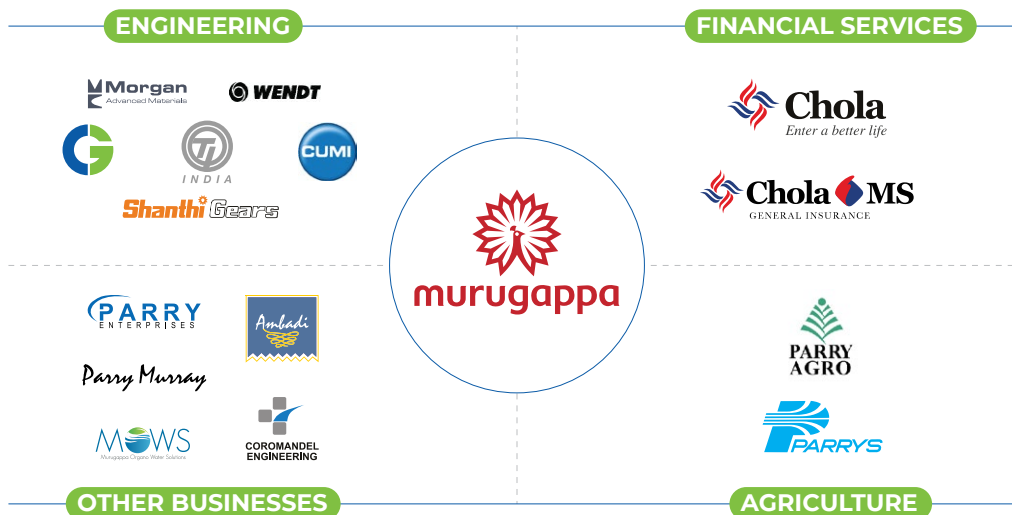
CG Pumps



Pumping Prosperity With CG Pumps.



About Murugappa Group Company



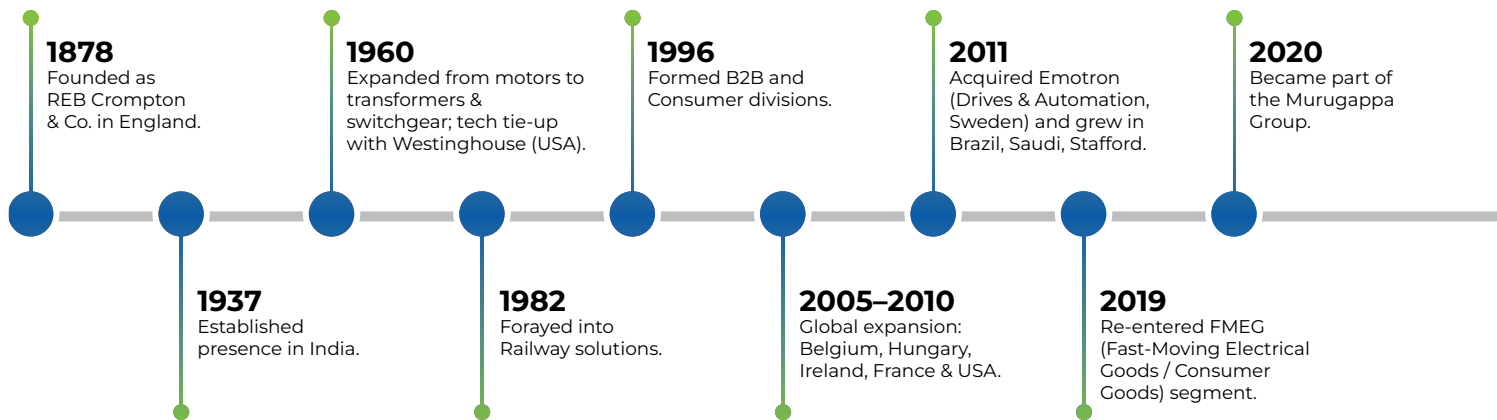
125
Years of Legacy

INR 850 Bn
Revenue with diverse business in agriculture, financial, services, and more.

> 83500
Employees

About CG Power and Industrial Solutions limited.

88 Years Legacy of CG at a Glance



4 Business Verticals

1. Industrial Business.
2. Railways Business.
3. Power Systems.
4. Consumer Products.

17 Manufacturing Units

16 manufacturing Plants Across India & 1 manufacturing plant at Sweden

16 Warehouse Location

Warehouses located at 16 locations in India for better delivery lead time.

Water Pumps: CG Consumer Products offers high-performance water pumps that ensure consistent and reliable operation, ideal for Residential, Industrial and Agricultural needs.

Water Heaters: CG Water heaters offer quick, Safer and reliable heating, ensuring consumer have hot water when needed.

Fans: Our fans are designed to provide efficient air circulation, keeping spaces cool and comfortable suitable for all seasons.

Coolers: CG's Air Coolers are engineered to provide refreshing relief, keeping indoor spaces cool even during the hottest weather.

CG Consumer Products is committed to innovation, efficiency, and durability, enhancing everyday comfort for their customers.



CG Pumps with Efficient and Consistent Pumping Technologies



CG Pumps Product presence in



Residential



Agriculture



Commercial



Solar

Residential Pump Segment

S No	Product Category	Page No
01	High Speed Regenerative Self Priming Pumps – Power Series	07
02	High Speed Regenerative Self Priming Pumps – Premium Power Series	11
03	High Speed Super Suction Self Priming Pumps – CGmaxGOLD	15
04	High Speed Super Suction Self Priming Pumps – CGmaxGOLD Pro	16
05	High Speed Super Suction Self Priming UltraGOLD Series	16
06	High Speed Super Suction Self Priming Pumps – CGmaxVEE	17
07	Slow Speed Self Priming Pumps DMB & TURBO Series	18
08	Shallow jet pump DSW Series	19
09	Centrifugal Jet Pump CGCJ Series	20
10	Domestic Open Well Pump DOW Series	21
11	Regenerative Open Well Submersible Pump – Strong FLOW	23
12	Vertical 3 inch Borewell Submersible	24
13	Vertical 4 inch Borewell Submersible Sergeant & Major Sand Fighter Series.	25

Agriculture Pump Segment

S No	Product Category	Page No
01	Centrifugal Monobloc Single Phase LHP Series	31
02	Centrifugal Monobloc Single Phase HHP Series	33
03	Centrifugal Monobloc Three Phase APEX Series	35
04	Agro 3Ph Horizontal Openwell Submersible Pumps	37
05	Agricultural Bore well Submersible pump (V4, V5, V6, V7 & V8)	38
06	Control Panel for Submersible Pumps	46
07	Three Phase Control Panels	48
08	Starters Single Phase DOL Starters	49
09	Starters Three Phase DOL Starters	49



Commercial Pump Segment

S No	Product Category	Page No
01	Sewage Submersible Pumps CGSTP Series	51
02	Multi Stage Pressure Booster Pumps CG HMB Series	53
03	Self Priming Pressure Booster Pumps CG ForceHEAD Series	55
04	Inline Pressure Booster Pump CGIPB	56
05	Automatic Pump Controller PSV & PSVi	57
06	Self-Priming De - watering Pump CGDP Series	58
07	End Suction Pump, CG EP Series & Fire Fighting Series CG EP / FF	60
08	Portable Electric High Pressure Washer Pump CG FlowXpert	65



Solar Pump Segment

S No	Product Category	Page No
01	Centrifugal Solar Monobloc Pumps	67
02	Submersible Solar Pumps.	68





RESIDENTIAL PUMPS



CG Mini
(Self Priming Mini Monobloc)



CGDMB
(Slow Speed Super Suction)



CGmaxGOLD/CGmaxVEE
(High Speed Super Suction)



CG DSW
(Shallow Well Jet Pump)



CGCJ
(Centrifugal Vertical Jet)

Meeting India's Growing Water Needs

With the rapid growth in rural infrastructure and urbanization, the demand for efficient water pumping solutions is on the rise. To meet these evolving needs, CG Power offers a reliable and energy-efficient range of residential pumps - designed for both above-surface and submersible applications.

Submersible Range



CG Strong Flow
Regenerative Open Well



CGDOW
Open Well



CGSV
V3 & V4



High Speed Regenerative Self Priming Pumps

CGMINI

Power Series



Features And Specifications

- Self-Priming Up to 7.5 meter.
- Powder Coated Motor Body.
- TEFC motor with F Class Wire and Insulations.
- Wide voltage band – 1Ph - 160 to 260V.
- Liquid – Clear and Cold Water.



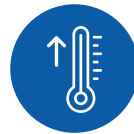
Rust Free - CED Coated CI Parts



8.8 Grade Hardwares



Thermal Overload Function



F-Class Insulation



Brass Impeller



TEFC Motor

Applications

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

Construction Detail	Specification
Motor Body	Aluminium Extrusion/ Cast Iron (CGminiBHIM)
Pump Casing & Adapter	Cast Iron FG 200 with CED Coating
Impeller	Forged Brass
Shaft	SS 410
Winding	Copper
Stamping	High Grade Electrical Stamping
Mechanical Seal	Carbon vs Ceramic
Supply	1Ph, 220V, 50Hz
Speed	2850 RPM



High Speed Regenerative Self Priming Pumps

Power Series



SERGEANT



EMPIRE



SPIKE



MAJOR



FlowGANGA



MoGANGA



EmpireNEO



BHIM

Max Head range:

6 to 38meter

Max Discharge Range:

up to 2900LPH

HP Range:

0.5 & 1.0Hp



1st in the category



INTRODUCING
CG EmpireNEO

Anti-Jam SS Insert
Galvanic Corrosion Resistance Technology



"GCR"
Technology
for
Longer Life

— SELF PRIMING —
REGENERATIVE PUMPS



Rust-free CED-coated
Cast Iron Parts



Thermal Overload
Protection



Wide Voltage
Range



F-class
Insulation



8.8 Grade
Hardware

High Speed Regenerative Self Priming Pumps

Product Performance

Product Name	Model	Frame	Power		Pipe Size	Head in Meters														
			kW	HP	mm	6	9	12	15	18	20	22	24	26	28	30	32	34	36	
						Discharge in liter per hour														
MiniSERGEANT-II	CGDMM05MS/DS	71	0.37	0.5	25x25	2000	1800	1550	1300	1000	750	500								
MiniSERGEANT-I	CGDMM10MS/DS		0.75	1	25x25	2800	2600	2400	2200	2000	1850	1700	1550	1400	1200	1000	750	500		
MiniBHIM-II Plus	CGDMM05BHPLUS	71	0.37	0.5	25x25	2500	2200	1900	1600	1300	1100	900	700	500						
MiniBHIM-I	CGDMM10BH		0.75	1	25x25	2800	2600	2400	2200	2000	1850	1700	1550	1400	1250	1100	925	750		
MiniMAJOR-II	CGDMM05MJ**	71	0.37	0.5	25x25	2100	1900	1650	1400	1100	900	700	500							
MiniMAJOR-I	CGDMM10MJ**		0.75	1	25x25	2900	2700	2500	2300	2100	1950	1800	1625	1450	1250	1050	900	750	500	
MiniEMPIRE-II	CGDMM05ME*	71	0.37	0.5	25x25	2100	1900	1650	1400	1100	900	700	500							
MiniEMPIRE-I	CGDMM10ME*		0.75	1	25x25	2900	2700	2500	2300	2100	1950	1800	1625	1450	1250	1050	900	750	500	
MiniSPIKE-II	CGDMM05SP*	71	0.37	0.5	25x25	2100	1900	1650	1400	1100	900	700	500							
MiniSPIKE-I	CGDMM10SP*		0.75	1	25x25	2900	2700	2500	2300	2100	1950	1800	1625	1450	1250	1050	900	750	500	
FlowGANGA-II	CGDMM05FG*	63	0.37	0.5	25x25	1900	1600	1350	1100	800	600									
FlowGANGA-I	CGDMM10FG*	71	0.75	1	25x25	2800	2700	2450	2200	1950	1650	1300	1000	700	500					
MoGANGA-II	CGDMM05MG*	71	0.37	0.5	25x25	1850	1600	1400	1150	850	700	500								
MoGANGA-I	CGDMM10MG*		0.75	1	25x25	2500	2250	2000	1800	1500	1300	1100	950	800	650	500				
EmpireNEO-II	CGDMM05MEN*	63	0.37	0.5	25x25	1900	1650	1350	1100	800	550									
EmpireNEO-I	CGDMM10MEN*	71	0.75	1	25x25	2600	2300	2000	1600	1300	1100	850	625	400						

*Product Comes with Aluminium winding.
 ** Product Comes with copper main winding.
 All products with Copper Wound motors (other than highlighted).



Premium Power Series



Features And Specifications

- Self-Priming Up to 7.5 meter.
- F Class wires and Insulation
- Powder Coated Aluminium PDC Motor Body.
- Fitted with Thermal Overload Protector (1Ph Only).
- Wide voltage band
 - 1Ph - 160 to 260V.
 - 3PH - 350 to 440V
- Provided SS insert in MiniMARSHAL-1Hp Pump & 2 year warranty
- Liquid – Clear and Cold Water



**Rust Free -
CED Coated
CI Parts**



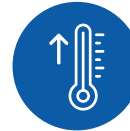
**Brass
Impeller**



**Anti-Jam
(CGminiMarshal)
(CGminiProPLUS)**



**8-8 Grade
Hardware**



**F Class
Insulation**



**Thermal
Overload
Protection**

Applications

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

Construction Detail	Specification
Motor Body	Aluminium PDC / Aluminium Extrusion
Pump Casing & Adapter	Cast Iron FG 200 with CED Coating
Impeller	Forged Brass
Shaft	SS 410
Stamping	High Grade Electrical Stamping
Mechanical Seal	Carbon vs Ceramic
Supply	1Ph, 220V, 50Hz
Speed	2850 RPM



High Speed Regenerative Self Priming Pumps

CGMINI

Premium Power Series



XTREME



MARSHAL



MAESTRO



SmartSENSE



DOST



HEAD

Mini Marshal

comes with



Max Head range:

6 to 55meter

Max Discharge Range:

up to 4300LPH

HP Range:

0.5 to 1.5Hp



CG PUMPS

CG SmartSENSE

Cordless Water Pump

WITH AUTO ON/OFF TECHNOLOGY



Cordless Controller

Dry Run Protection

Overflow Protection

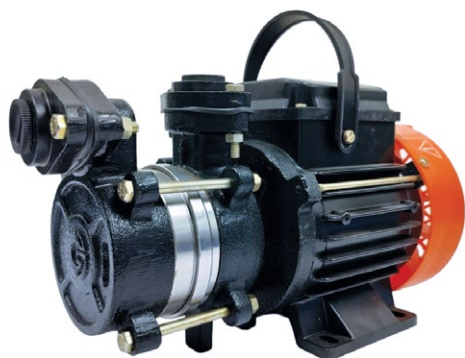
Automatic Operations

Energy Efficient

Model	Frame	Power		Pipe size	Head in Meters									
		kW	HP		6	9	12	15	18	22	26	30	34	40
						Discharge in LPH								
CGSmartSENSE-I	CGDMM10SS	0.75	1	25x25	3000	2800	2600	2400	2200	1900	1600	1300	1000	600
CGSmartSENSE-I-40	CGDMM10SS-40	0.75	1	25x25	2800	2600	2400	2200	2000	1700	1400	1000	600	

High Speed Super Suction Self Priming Pumps

CGmaxGOLD[®]



Features And Specifications

- High suction lift
- Aluminium PDC motor body for rigid & better motor cooling
- TEFC Motor with class – F Insulation
- Fitted with thermal overload protector.
- Wide voltage band - 1Ph - 180 to 240V.
- Liquid – Clear and cold water



Rust Free - CED Coated CI Parts



8.8 Grade Hardwares



F-Class Insulation



Thermal Overload Function



Stainless Steel - Chamber Casting



High Grade Mechanical Seal

Applications

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

Construction Detail	Specification
Winding	Copper
Motor Body	Aluminium PDC
Pump Casing & Adapter	Cast Iron FG200 with CED Coating
Impeller	Forged Brass
Shaft	Stainless Steel
Suction & Delivery Chamber	Stainless Steel Investment Casting
Stamping	High Grade Electrical Stamping
Mechanical Seal	Carbon vs Ceramic
Supply	1Ph, 180-240v, 50hz
Speed	2850 RPM

Sr. No.	Model	Frame	Power		Pipe size mm	Head in Meters								
			kW	HP		6	10	15	20	25	27	30	36	40
1	CGDSS05MG	71	0.37	0.5	15 X 15	1500	1400	1120	820	540	350			
2	CGDSS05MG-M32**	71	0.37	0.5	15 X 15	1700	1500	1200	900	600	500	200		
3	CGDSS10MG	71	0.75	1	25 X 25	2150	1950	1700	1450	1200	1080	900	360	
4	CGDSS10MG-K38	71	0.75	1	25 X 25	2200	2000	1800	1500	1250	1100	900	350	
5	CGDSS15MG	71	1.1	1.5	25 X 25	2250	2040	1800	1540	1260	1200	970	500	90

**Product comes with Copper Main winding motors

High Speed Super Suction Self Priming Pumps

CGmaxGOLD Pro.



Features And Specifications

- Silent product in its category.
- High suction lift
- Unique Helical Aluminium PDC motor body for better motor cooling
- Wide voltage band - 1Ph - 180 to 240V.
- Liquid – Clear and cold water



Rust Free - CED Coated CI Parts



High Grade Mechanical Seal



F-Class Insulation



Thermal Overload Function



Stainless Steel - Chamber Casting



Helical Aluminium PDC Body

Sr. No.	Model	Frame	Power		Pipe size mm	Head in Meters							
			kW	HP		6	10	15	20	25	27	30	36
1	CGDSS05MGP*	63	0.37	0.5	15X15	1750	1600	1300	1000	650	550	300	
2	CGDSS10MGP*	71	0.75	1	25X25	2000	1750	1450	1150	900	800	600	300

*Product comes with Aluminium winding

CG UltraGOLD



Features And Specifications

- Self-Priming Up to 8 meter.
- CED Coated pump hydraulic Cast iron parts.
- High quality mechanical seal for long life.
- Voltage band :180-240V
- Liquid – Clear and cold water



Cast Iron Body



Copper Wire



Strong Motor



Rust Free Coating



Stainless Steel - Chamber Casting



F Class Insulation

Product Name	Model	Power		Pipe size mm	Head in Meters									
		kW	HP		6	10	15	20	25	27	30	36	40	45
CG UltraGOLD	CGDSS10UG	0.75	1.0	25X25	2900	2800	2600	2450	2200	2080	1900	1500	1100	600

High Speed Super Suction Self Priming Pumps

CGmaxVEE®



Features And Specifications

- All cast iron components are CED coated.
- Strong PDC Motor Body.
- Supply: 220V (6% to 15%), 1Ph, 50Hz.
- Excellent Suction Design up to 8 meters
- Designed for High efficiency water lifting.
- Fitted with thermal overload protection.
- 'F' class insulation.



High Grade Mechanical Seal



MS Handle for Easy Handling (05MV-33)



Durably Build



8.8 Grade Hardwares



Anti-Rust-CED Coated Hydraulic Parts



Easy Mounting

Applications

- Clear water supply to overhead tanks of residential buildings, Flats, hotels, Hospitals, Nursing homes etc.

Construction

S.No	Parts	Material
1	Volute Casing	CED Coated Cast Iron FG 200
2	Adaptor	CED Coated Cast Iron FG 200
3	Motor Body	High Grade Aluminium PDC (0.5hp) / Cast Iron Body (1.0hp)
4	Shaft	Stainless Steel
5	End Cover	Cast Iron FG 200
6	Flange	CED Coated Cast Iron FG 200
7	Impeller	Forged Brass Impeller
8	Fan Cover	Plastic
9	Winding	Copper Winding

Performance Table

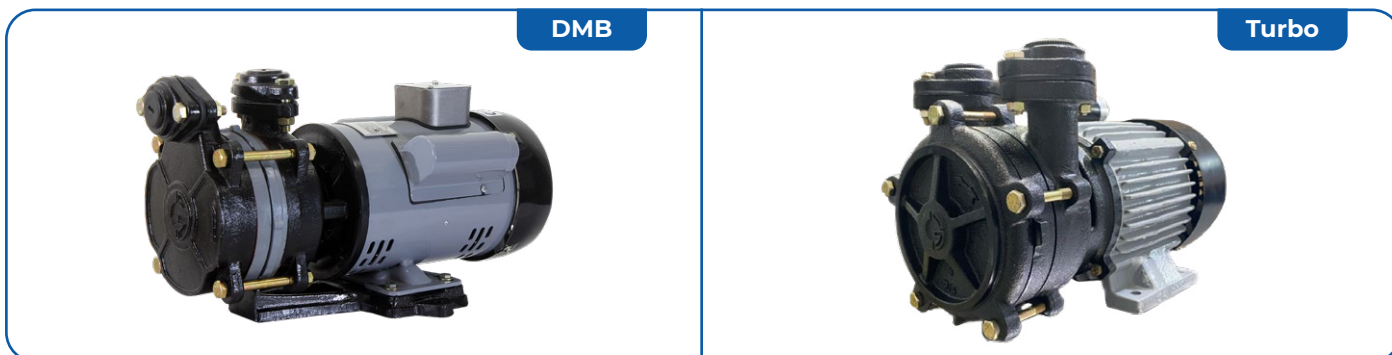
Sr. No.	Model	Frame	Power		Pipe size	Head in Meters											
						6	10	15	20	25	27	30	36	40	45	50	
			kW	HP	mm	Discharge in Litre per Hour											
1	CGDSS05MV	71	0.37	0.5	25 X 25	2550	2200	1700	1300	800	500	360					
2	CGDSS05MV-33	71	0.37	0.5	25 X 25	2550	2280	1900	1540	1110	900	530					
3	CGDSS05MVN**	71	0.37	0.5	25 X 25	2550	2170	1800	1450	1080	900	360					
4	CGDSS10MV-CI	80	0.75	1	25 X 25	3000	2800	2550	2350	2100	2000	1800	1440	1200	600	250	

** Copper main winding



Slow Speed Self Priming Pumps

CGDMB[®]



100% Copper Winding



High Grade Mechanical Seal



Anti-Rust-CED Coated Hydraulic Parts



Durably Build



8.8 Grade Hardwares



Easy Mounting

Applications

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

Construction Detail	Specification
Motor Body	CRCA-MS / Cast Iron FG 200
Winding	Copper
Pump Casing	CED Coated Cast Iron FG 200
Adaptor	CED Coated Cast Iron FG 200
Impeller	Stainless Steel / High Tensile Brass
Shaft	Stainless Steel
Stamping	High Grade electrical stamping
Sealing	Mechanical Seal
Speed	1450 RPM

Features And Specifications

- 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

Performance Table

Sr. No.	Model	Frame	Power		Pipe size mm	Head in Meters									
			kW	HP		6	10	16	20	22	25	30	35	38	42
1	CGDMB10DX	B56*	0.75	1	25 X 25			3000	2700	2500	2200	1700	1200	900	500
2	CGDMB10DT	B56*	0.75	1	25 X 25			3000	2700	2500	2200	1700	1200	900	500
3	CGTURBO051C	90fr	0.37	0.5	25 X 25	3300	2900	2400	1900	1700	1200				
4	CGTURBO052C	80fr	0.37	0.5	25 X 25	3100	2700	2000	1600	1300	900				
5	CGTURBO102C	90fr	0.75	1	25 X 25	3800	3500	3000	2600	2400	2200	1600	1100	800	
6	CGTURBO1090	90fr	0.75	1	25 X 25	3800	3500	3000	2600	2400	2200	1600	1100	800	

* B56 is NEMA frame size

Shallow Jet Pump

CGDSW[®]



Features And Specifications

- High Suction Lift
- Powder coated Aluminium extruded motor body
- F Class Winding wire and Insulation.
- Fitted with thermal overload protector.
- Wide voltage band
- Liquid – Clear and cold water



TEFC Motor



High Grade Mechanical Seal



Durably Build



Rust Preventive CED Coated CI Parts



8.8 Grade Hardwares



Thermal Overload Protection



Easy Mounting

Applications

Drinking Water Supply to overhead tanks of building, apartments, Gardening, hotels, small farms, hospitals etc.

Construction Detail	Specification
Motor Body	Aluminium Extrusion
Pump Front Casing & Drum	CED Coated Cast Iron FG 200
Adaptor	CED Coated Cast Iron FG 200
ODE End Shield	PDC Aluminium
Impeller / Jet Unit / Diffuser	Glass filled Noryl
Shaft	Stainless Steel
Winding	Copper
Stamping	High Grade electrical Steel
Sealing	Mechanical Seal
Speed	2800 RPM

Performance Table

Model	Frame	kW	HP	Pipe size	Total Head in Meters										
					10	15	20	25	30	32	34	36	38	40	
					Discharge(LPH)										
CGDSW050CN	71	0.37	0.5	25 X 25	3100	3000	2400	1600	800	430					
CGDSW050VN	71	0.37	0.5	25 X 25	3100	3000	2400	1600	800	430					
CGDSW100CN	71	0.75	1	25 X 25			3000	2700	2100	1800	1450	1100	700		
CGDSW100VN	71	0.75	1	25 X 25			3000	2700	2100	1800	1450	1100	700		
CGDSW1080CN	80	0.75	1	25 X 25			3400	2900	2200	1900	1600	1300	1000	700	
CGDSW100CP*	71	0.75	1	25 X 25			2500	2100	1250	850	500				
CGDSW1080CP*	80	0.75	1	25 X 25			2800	2700	2500	2250	2000	1800	1500	1000	

* Product with Aluminium Winding

Centrifugal Jet Pump



Features And Specifications

- High Suction Head & Ease of Installation.
- Twin Type design suitable for 4" & above bore wells.
- High Temperature withstanding F Class Winding wire and Insulation.
- Powder Coated Aluminium Extruded Motor Body.
- Pumps are fitted with jet unit.
- Liquid – Clear and Cold Water
- Provided Brass Jet Assembly.
- Supply Voltage: 220V (+6 / -15 %), 1Ph.



TEFC Motor



High Grade Mechanical Seal



Durably Build



Rust Preventive CED Coating



8.8 Grade Hardwares



Overload Protection



Easy Mounting

Applications

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

Material of Construction

Construction Detail	Specification
Impeller & Diffuser	Noryl
Shaft	Stainless Steel
Drum	Stainless Steel
Motor Body	Aluminium Extruded Motor Body
End Cover / Adapter / Volute Casing	Cast Iron FG 200 with CED Coating
Control Valve	Cast Iron FG 200 with CED Coating
Fan Cover	Powder Coated MS Fan Cover
Fan	High Grade Engineering Plastic
Jet Assembly	Brass

Performance Table

Model	kW/HP	No. Of Stage	Operating pressure (Kg/cm ²)	Pipe Connection (mm) Suction x Pressure x Delivery	Discharge (LPH)	800	600	400	280	150
CGCJV10T2	0.75/1.00	2	1.8	32 x 25 x 25	DLWL Head (M)	30	35	40	45	50



Domestic Open Well Pump



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



High Grade Mechanical Seal



Anti-Rust CED Coated CI Parts



SS Fasteners



Stainless Steel Shaft



Easy Mounting



With Strainer

Applications

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

Material of Construction

Construction Detail

Volute Casing, Flanges: Cast Iron FG 200

Sealing Type: Oil Seal.

Motor Body & Shaft: Stainless Steel

Stamping: High Grade Electrical Stamping

Adapter, End Cover: Cast Iron FG 200

Winding: Copper

Impeller: Noryl / Cast Iron (90 Frame)

Supply: 1Ph, 220V, 50Hz, **Speed:** 2850 RPM

Performance Table

Sr. No.	Model	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	42
						Discharge in Litre per Hour																
1	CGDOW0571	71	0.37	0.5	25 X 25	7800	6900	5700	3900	1200												
2	CGDOW0571Z22	71	0.37	0.5	25 X 25	8700	7800	6900	6000	4500	1200											
3	CGDOW1071	71	0.75	1	25 X 25			9000	8520	7800	6900	5880	4700	1800 (27m)								
4	CGDOW1080	80	0.75	1	32 X 25				10200	9900	9500	9000	8000	6700	4800	2100						
5	CGDOW1090	90	0.75	1	32 X 25				11520	10500	9600	8100	6300	2400								
6	CGDOW1080Z28	80	0.75	1	25 X 25		9200	8500	7750	6800	5800	4600	3150	1500	750							
7	CGDOW1080Z30	80	0.75	1	25 X 25			10500	9600	8400	7200	5400	3600	1800	600							
8	CGDOW1080Z36*	80	0.75	1	32 X 25			11500	10800	10000	9000	8500	7400	6300	4800	3000	1600	600	300 (35m)			
9	CGDOW1580	80	1.1	1.5	32 X 25				12000	10500	10000	9600	9300	9000	8400	7500	6800	5700	4500	2160		
10	CGDOW1580Z43	80	1.1	1.5	32X25			11500	11250	11090	10910	10670	10290	10000	9260	8530	7760	6900	6000	5100	500	
11	CGDOW1590	90	1.1	1.5	40 X 40		21600	20400	19200	18000	16750	15200	13000	11500	8600	3000						
12	CGDOW2090	90	1.5	2	50 X 50	25800	25200	24000	22800	21600	20400	18600	16800	13800	11100	9000 (27m)						
13	CGDOW2190	90	1.5	2	50 X 40		27000	26400	25800	24600	23400	21500	19500	16800	13200	9000 (29m)						

*Product available in three phasse on demand



Domestic Open Well Pump



ZM Series (Mechanical Seal)



Product is designed for heavy duty application as well as regular duty application.

Special Construction

Seal	Mechanical Seal & Oil Seal
Pad	Premium Thrust Pad
Carbon Bush	Heavy duty Carbon Bush
Adapter	FG200 CI, (Bigger in Size)
Impeller	Brass Insert Noryle impeller
Fastener/Tie Rod	SS with M8 Size



100% Copper Winding



Anti-Rust CED Coated CI Parts



SS Fasteners



Stainless Steel Shaft



Easy Mounting



With Strainer

Performance Table

Sr. No.	Model	Frame	Power		Pipe size	Head in Meters												
						kW	HP	mm	12	14	16	18	20	22	24	26	28	30
			Discharge in Litre per Hour															
1	CGDOW1580ZM32*	80	1.1	1.5	40 X 32	17500	17000	16000	15000	13500	12000	10000	7500	5000	3000			
2	CGDOW2080ZM34	80	1.5	2	40 X 32		18300	18000	17400	16500	15500	14000	12000	10000	8200	5000		
3	CGDOW2080ZM36*	80	1.5	2	50 X 40		18000	17000	16500	15500	14500	13500	12100	10800	9100	7200	5000	

*Product available in three phase on demand

Z/M Series Cast Iron Body



Special Construction

Winding Wire	Polywrap Copper wire.
Impeller	Noryle, Noryle with Brass Insert
Volute Casing, Adapter	Cast Iron FG200
Motor Body	Cast Iron FG200
Pump Shaft	SS 410
Hardware	Stainless Steel hardware.
Stamping	Electrical Grade Steel
Bearing	Bush Bearing & Thrust Pad



Cast Iron Motor Body



Anti-Rust CED Coated CI Parts



SS Fasteners



Stainless Steel Shaft



100% Copper Winding



With Strainer

Performance Table

Model	Frame	Power		Pipe size	Head in Meters													
					kW	HP	mm	12	14	16	18	20	22	24	26	28	30	32
		Discharge in Litre per Hour																
CGDOW1080Z36-C	80	0.75	1.0	32X25		11500	10800	10000	9000	8500	7400	6300	4800	3000	1600	600	300	
CGDOW1580ZM32-C	80	1.1	2.0	40X32	17500	17000	16000	15000	13500	12000	10000	7500	5000	3000				
CGDOW2080ZM34-C	80	1.5	2.0	40X32		18300	18000	17400	16500	15500	14000	12000	10000	8200	5000			
CGDOW2080ZM36-C	80	1.5	2.0	50X40		18000	17000	16500	15500	14500	13500	12100	10800	9100	7200	5000	2000	

*Products available in Three phase on Demand

Regenerative Openwell Submersible Pump

CG StrongFLOW

**Control Panel
Not required**

**Double seal
protection**

Noise proof

Energy efficient

**Rust preventive
guard coating**

**In build overload
protection**

**Plug and
Play**

**Easy to Install Do
it Your self (DIY)**

**High pressure
water**

Applications

- Domestic clean water lifting
- Booster & RO Application
- Domestic Water Utilities uses (hotels, residential building, Gardening, Hospitals, Nursing home, Lawn Sprinklers, etc.)
- Hydro phonic farming
- Fountain pump
- Heavy duty water cooler

Material of Construction

Construction Detail	Specification
Pump Volute Casing	CED Coated Cast Iron (CI FG 200)
Impeller	Forged Brass
Motor Body	Stainless Steel
Pump Adaptor & End cover	CED Coated Cast Iron (CI FG 200)
Bearing	Ball bearing
Seal	Dual seal (Mechanical seal and oil seal)
Shaft	Stainless steel
Winding Wire	Copper Winding
Hardware's	Stainless Steel

Performance Table

Model	Power		Pipe size	Total Head in Meters								
				6	9	12	15	18	21	24	26	28
	kW	HP	mm	Discharge in Litre Per Hour								
CGSFLOW05	0.37	0.5	25 X 25	3000	2600	2200	1900	1500	1100	800	550	
CGSFLOW10	0.75	1	25 X 25	4000	3500	3000	2600	2100	1700	1200	900	600



Vertical 3 inch Submersible (V3) Water Filled Pumps



100% Copper Winding



Copper Rotor



Anti-Rust-CED Coated CI Parts



Stainless Steel Shaft



High Quality Thrust Bearings



SS Fasteners

Features And Specifications

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

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.

Material of Construction

Construction Detail

Product: Water Filled (3 inches)	Bush: Bronze LTB-4
Suitable for: 3 inch & Above Borewell hole.	RPM (Synchronous): 3000
Motor Body & Pump Casing: Stainless Steel 202	Diffuser / Bowl: Noryl
Suitable for: 3inch & Above Borewell hole.	Impeller: Noryl
Motor Stamping: High grade electrical stamping	Fasteners: Stainless Steel
Winding: Poly wrapped Copper	Sealing: Oil Seal
Voltage Band: 1 Ph 160v~240v, 50Hz	Cable Length: 1.5 Mtr
Motor Bearing: Thrust Bearing - SS Vs Carbon	Discharge Outlet: Cast Iron

Performance Table

Model	kW	HP	No. of Stage	Phase	Outlet Pipe Size (mm)	Discharge in LPM												Capacitors		
						0	15	25	35	40	45	50	60	70	75	80	90	100	Start	Run
						Head in Meter														
V3W1010C1-AF	0.75	1	10	1	32	44	40	37	33	32	30	29	25	22	20	18	14	7	100/120	50
V3W1012C1-AF	0.75	1	12	1	32	50	45	42	39	37	34	31	25	19	14	8			100/120	50
V3W1016C1-AH	0.75	1	16	1	32	66	58	54	49	46	42	38	30	22	17	10			100/120	50

Model	kW	HP	No. of Stage	Phase	Outlet Pipe Size (mm)	Discharge in LPM												Capacitors		
						0	10	15	20	25	30	35	40	45	50	55	60	65	Start	Run
						Head in Meter														
V3W0509C1-AH	0.37	0.5	9	1	32	39	35	35	34	33	32	30	28	25	22	19	15	10	100/120	50
V3W1019C1-AH	0.75	1	19	1	32	76	73	70	66	63	60	55	50	48	43	40	34	25	100/120	50
V3W1525C1-AH	1.10	1.5	25	1	32	102	97	94	91	88	83	76	69	61	53	44	32	19	120/150	72
V3W1530C1-AH	1.10	1.5	30	1	32	115	100	97	95	91	86	80	74	66	54	40	28	14	120/150	72

Vertical 4 inch Submersible (V4)

CGSV[®]



100% Copper Winding



Robust Construction



Anti-Rust-CED Coated CI Parts



Stainless Steel Shaft



High Quality Thrust Bearings (WF)



SS Fasteners

Features And Specifications

- Designed for high efficiency water lifting
- Cast Iron Components are CED Coated
- All products with Abrasion resistance Neckring
- Wide Voltage Band
- Inbuilt Non Return valve (NRV)

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.

Material of Construction

Parameter	Water Filled (4 inches)	Oil Filled (4 inches)	Parameter	Water Filled (4 inches)	Oil Filled (4 inches)
Suitable for	4 inch and above bore hole	4 inch and above bore hole	Bush	Bronze LTB-4	N/A
Motor Body & Pump Casing	Stainless Steel 202	Stainless Steel 202	RPM (Synchronous)	3000	3000
Motor and Pump Shaft	Stainless Steel 410	Stainless Steel 410	Diffuser / Bowl	Noryl	Noryl
Motor Stamping	High grade electrical stamping	High grade electrical stamping	Impeller	Noryl	Noryl
Winding	Poly wrapped Copper	Enameled Copper	Fasteners	Stainless Steel	Stainless Steel
Motor	Water Filled	Oil Filled	Sealing	Oil Seal	Oil Seal
Voltage Band	1 Ph 160v~240v, 50Hz	1 Ph 160v~240v, 50Hz	Cable Length	1.5 Mtr	1.5 Mtr
Motor Bearing	Thrust Bearing - SS Vs Carbon	Ball Bearing	Discharge Outlet	Cast Iron fitted with NRV	Cast Iron fitted with NRV





V4 Sergeant Series Oil Filled Pumps



Sergeant 2 Series, Radial Flow. Outlet NRV Pipe Size 32mm (40mm on demand)

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	kW	HP				0	9	18	27	36	45	50	55	65
V4O0506A1D	0.37	0.5	6	1φ	Head (m)	33	29	26	24	20	17	14	11	6
V4O0508A1D	0.37	0.5	8	1φ		44	38	35	32	27	22	19	15	8
V4O0712A1D	0.55	0.75	12	1φ		66	57	53	48	41	33	28	22	11
V4O1016A1D	0.75	1.0	16	1φ		88	76	70	64	54	44	38	30	15
V4O1018A1D	0.75	1.0	18	1φ		99	86	79	72	61	50	42	33	17
V4O1525A1D	1.10	1.5	25	1φ		137	116	106	97	81	66	56	47	22

Sergeant 4 Series, Radial Flow. Outlet NRV Pipe Size 32mm (40mm on demand)

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	kW	HP				0	20	30	40	50	60	80	95	115
V4O1007A1F	0.75	1.0	7	1φ	Head (m)	51	45	43	41	38	34	24	15	5
V4O1008A1F	0.75	1.0	8	1φ		58	50	48	45	41	37	29	17	7
V4O1010A1E	0.75	1.0	10	1φ		60	55	54	52	50	46	35	25	11
V4O1512A1F	1.10	1.5	12	1φ		87	74	70	65	60	53	39	21	9
V4O1514A1E	1.10	1.5	14	1φ		90	80	78	73	68	64	45	30	16
V4O2014A1F	1.50	2.0	14	1φ		102	88	82	76	70	66	44	27	11
V4O2016A1F	1.50	2.0	16	1φ		117	101	94	87	80	71	50	31	13
V4O2018A1F	1.50	2.0	18	1φ		131	113	105	97	91	79	56	35	15
V4O2020A1F	1.50	2.0	20	1φ		146	126	117	109	100	89	63	38	17

Sergeant H1 Series, Radial Flow. Outlet NRV Pipe Size 32mm (40mm available on Demand)

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	kW	HP				0	15	20	30	35	40	45	55	60
V4O1013A1H	0.75	1.0	13	1φ	Head (m)	99	85	78	65	59	51	41	26	13

Sergeant H2 Series, Radial Flow. Outlet NRV Pipe Size 32mm (40mm available on Demand)

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	kW	HP				0	28	35	45	60	65	70	80	90
V4O0506A1J	0.37	0.5	6	1φ	Head (m)	47	42	39	36	30	27	24	18	12
V4O1007A1J	0.75	1.0	7	1φ		55	49	46	42	35	32	28	21	14

Sergeant 7P Series, Radial flow. Outlet NRV Pipe Size 50mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	kW	HP				0	10	30	50	70	100	130	150	170
V4O2010A1P	1.50	2.0	10	1φ	Head (m)	68	63	61	58	55	49	40	30	20
V4O3015C1P	2.20	3.0	15	1φ		102	95	92	87	83	74	60	45	30

V4 Major - Sand FIGHTER Series Oil Filled Pumps

Major - Sand Fighter, Radial Flow - POM Impeller & Bowl, CI Upper/Lower Housing for both pump & Motor

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	kW	HP				0	10	20	30	40	50	60	70	80
V4SFO1007A1F-32	0.75	1.00	7	1φ	Head (m)	48	46	44	42	39	34	26	16	5
V4SFO1010A1F-32	0.75	1.00	10	1φ		66	64	62	58	53	44	34	22	7
V4SFO1515A1F-32	1.1	1.50	15	1φ		96	91	89	84	77	68	51	33	9
V4SFO2016A1F-32	1.5	2.00	16	1φ		109	104	101	96	88	77	59	37	11



CG PUMPS

Introduces its latest innovation
in the submersible category

THE ALL-NEW SAND FIGHTER MAJOR SERIES



Special Shaft for easy adjustment to pass the sand through impeller and bowls.



In-built best quality non return valve used.

High-Grade Electrical Steel Stamping material used to get desired output.



High-Quality Polycarbonate and Polyoxymethylene Impellers & Bowl used for easy passage to sand.



APPLICATIONS



Bungalows



Flats



Hotels



Hospitals



High Storey Buildings



Gardens



V4 Sergeant Series Water filled Pumps

Sergeant 2 Series, Radial Flow. Outlet NRV Pipe Size 32mm (40mm on demand)

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	kW	HP				0	9	18	27	36	45	50	55	65
V4W0506A1C	0.37	0.5	6	1φ	Head (m)	33	29	26	24	20	17	14	11	6
V4W0508A1C	0.37	0.5	8	1φ		44	38	35	32	27	22	19	15	8
V4W0712A1C	0.55	0.75	12	1φ		66	57	53	48	41	33	28	22	11
V4W1016A1C	0.75	1.0	16	1φ		88	76	70	64	54	44	38	30	15
V4W1018A1C	0.75	1.0	18	1φ		99	86	79	72	61	50	42	33	17
V4W1021A1C	0.75	1.0	21	1φ		115	100	92	84	71	58	49	39	20
V4W1525A1C	1.10	1.5	25	1φ		137	116	106	97	81	66	56	47	22

Sergeant 4 Series, Radial Flow. Outlet NRV Pipe Size 40mm (32mm on demand)

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	kW	HP				0	20	30	40	50	60	80	95	115
V4W1007A1B	0.75	1.0	7	1φ	Head (m)	51	45	43	41	38	34	24	15	5
V4W1008A1B	0.75	1.0	8	1φ		58	50	48	45	41	37	29	17	7
V4W1010A1A	0.75	1.0	10	1φ		60	55	54	52	50	46	35	25	11
V4W1512A1B	1.10	1.5	12	1φ		87	74	70	65	60	53	39	21	9
V4W1514A1A	1.10	1.5	14	1φ		90	80	78	73	68	64	45	30	16
V4W2014A1B & 3B	1.50	2.0	14	1,3φ		102	88	82	76	70	66	44	27	11
V4W2016A1B	1.50	2.0	16	1φ		117	101	94	87	80	71	50	31	13
V4W2018A1B	1.50	2.0	18	1φ		131	113	105	97	91	79	56	35	15
V4W2020A1B*	1.50	2.0	20	1φ		146	126	117	109	100	89	63	38	17
V4W3021C1B & 3B	2.20	3.0	21	1,3φ		153	132	123	114	105	93	66	40	19
V4W3026C1B & 3B	2.20	3.0	26	1,3φ		189	163	152	141	130	115	82	50	20

Sergeant H1 Series, Radial Flow. Outlet NRV Pipe Size 32mm (40mm available on Demand)

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	kW	HP				0	15	20	30	35	40	45	55	60
V4W0508A1H	0.37	0.5	8	1φ	Head (m)	61	52	48	40	36	32	26	16	8
V4W1013A1H	0.75	1.0	13	1,3φ		99	85	78	65	59	51	41	26	13
V4W1016A1H	0.75	1.0	16	1,3φ		122	104	96	80	72	63	51	32	16
V4W1520A1H	1.10	1.5	20	1,3φ		153	130	120	100	90	79	64	40	20
V4W1524A1H	1.10	1.5	24	1,3φ		183	156	144	120	108	95	77	48	24
V4W2025A1H	1.50	2.0	25	1,3φ		191	163	150	125	113	98	80	50	25
V4W2032A1H	1.50	2.0	32	1,3φ		244	208	192	160	144	126	102	64	32

Sergeant H2 Series, Radial Flow. Outlet NRV Pipe Size 40mm (32mm available on Demand)

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	kW	HP				0	28	35	45	60	65	70	80	90
V4W0506A1J	0.37	0.5	6	1φ	Head (m)	47	42	39	36	30	27	24	18	12
V4W1007A1J-32	0.75	1.0	7	1φ		55	49	46	42	35	32	28	21	14
V4W1010A1J	0.75	1.0	10	1φ		78	70	65	60	50	45	40	30	20
V4W1515A1J	1.10	1.5	15	1φ		118	105	98	90	75	68	60	45	30
V4W2018A1J	1.50	2.0	18	1φ		141	126	117	108	90	81	72	54	36
V4W2020A1J	1.50	2.0	20	1φ		157	140	130	120	100	90	80	60	40
V4W3025C1J	2.20	3.0	25	1φ		196	175	163	150	125	113	100	75	50
V4W3030C1J	2.20	3.0	30	1φ		235	210	195	180	150	135	120	90	60

RESIDENTIAL SUBMERSIBLE PUMPS

Sergeant H3 Series, Radial Flow. Outlet NRV Pipe Size 40mm (50mm available on demand)

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	kW	HP				0	25	40	55	70	90	105	-	-
V4W1008A1K	0.75	1.0	8	1 ϕ	Head (m)	65	58	54	46	36	19	5	-	-
V4W1010A1K	0.75	1.0	10	1 ϕ		81	73	68	58	45	24	6	-	-
V4W1512A1K	1.10	1.5	12	1 ϕ		98	87	81	69	54	29	8	-	-
V4W2016A1K	1.50	2.0	16	1 ϕ		130	116	108	92	72	38	10	-	-
V4W3024C1K	2.20	3.0	24	1,3 ϕ		195	174	162	138	108	57	15	-	-
V4W4032C1K	3.50	4.0	32	3 ϕ		260	232	216	184	144	76	20	-	-
V4W5040C1K	3.50	5.0	40	3 ϕ		325	290	270	230	180	95	25	-	-

Sergeant H5 Series, Radial Flow. Outlet NRV Pipe Size 50mm (40mm Available on Demand)

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	kW	HP				0	10	30	50	70	100	130	150	170
V4W1007A1Q	0.75	1.0	7	1 ϕ	Head (m)	53	49	47	45	43	37	28	21	14
V4W1510A1Q	1.10	1.5	10	1,3 ϕ		76	70	67	64	61	53	40	30	20
V4W2014A1Q	1.50	2.0	14	1 ϕ		106	98	94	90	85	74	56	42	28
V4W3020A1Q	2.20	3.0	20	1 ϕ		151	140	134	128	122	106	80	60	40

Sergeant 7 Series, Radial Flow. Outlet NRV Pipe Size 50mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	kW	HP				0	10	30	50	70	100	130	150	170
V4W2008A1P & 2P	1.50	2.0	8	1 ϕ	Head (m)	54	52	50	48	45	40	32	25	16
V4W2010A1P & 2P	1.50	2.0	10	1 ϕ		68	63	61	58	55	49	40	30	20
V4W2012A1P	1.50	2.0	12	1 ϕ		82	76	73	70	66	59	48	36	24
V4W3015C1P & 3P	2.20	3.0	15	1,3 ϕ		102	95	92	87	83	74	60	45	30
V4W5020C3P	3.70	5.0	20	3 ϕ		136	126	122	116	110	98	80	60	40
V4W5025C3P	3.70	5.0	25	3 ϕ		170	158	153	145	138	123	100	75	50
V4W6031C3P	4.40	6.0	31	3 ϕ		211	195	189	180	171	152	124	93	62

Sergeant 18R Series, Mixed Flow. Outlet NRV Pipe Size 65mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	kW	HP				0	70	100	200	300	350	400	450	-
V4W2006A1R,2R,3R	1.50	2.0	6	1,3 ϕ	Head (m)	34	30	28	24	19	15	10	6	-
V4W3009C1R	2.20	3.0	9	1 ϕ		51	45	42	35	28	23	15	9	-
V4W5015C1R	3.70	5.0	15	3 ϕ		85	75	70	59	47	38	26	15	-





AGRICULTURAL PUMPS



CG XMB LHP
(Lower HP Centrifugal Monobloc)



CG XMB HHP
(Higher HP Centrifugal Monobloc)



CG Apex
(Three Phase Centrifugal Monobloc)



Empowering Agriculture with Reliable Pumping Solutions

With the growing need for efficient irrigation in modern farming, dependable water pumping has become essential. **CG Power** offers a comprehensive range of agriculture pumps in both surface and submersible categories - ensuring ease of use, consistent performance, and suitability for diverse farming applications. Designed to support farmers with reliable water access, **CG pumps** contribute to better productivity and sustainable agriculture.

Submersible Range



CGAOW
Agro Open Well



CGSV
CG4 to CG8

Centrifugal Monobloc Pump Set



Cast Iron Body Pumps | Aluminium Extruded Body Pumps

LHP Series



Features And Specifications

- Cast Iron Motor Body / Aluminium Extrusion
- TEFC Motor
- Fitted with Thermal Overload Protector (1Ph Only).
- Wide voltage band
 - Standard 1Ph: 180V-240V
 - 3Ph: 350V-440V
- Liquid - Clear and Cold Water



100% Copper Winding



High Grade Mechanical Seal



Anti-Rust-CED Coated Hydraulic Parts



Thermal Overload Protection



Robust Construction

Applications

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

Construction Detail

Component	AE Body models	CI Body Models
Winding	Copper	Copper
Stamping	High Grade Electrical Stamping	High Grade Electrical Stamping
Motor Body	Aluminium Extruded	Cast Iron FG200
Volute Casing	Cast Iron FG200	Cast Iron FG200
End Cover	Aluminium PDC	Cast Iron FG200
Adaptor	CED Coated Cast Iron FG 200	CED Coated Cast Iron FG 200
Flange	CED Coated Cast Iron FG 200	CED Coated Cast Iron FG 200
Shaft	Carbon Steel /Stainless Steel	Carbon Steel /Stainless Steel
Impeller	Noryl	Cast Iron FG200
Sealing Type	Mechanical Seal	Mechanical Seal
Fan Cover	Powder coated Mild Steel	Powder coated Mild Steel



AGRICULTURE SURFACE PUMPS

Sr no	Model	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 LPH													
1	CGXMB0571D	71	0.37	0.5	25 X 25			6960	6750	6000	5100	3300	1500						
2	CGXMB0571D15-AE	71	0.37	0.5	25 X 25	5870	5400	4200	2580										
3	CGXMB0571D18-AE	71	0.37	0.5	25 X 25			5400	4600	4300	2700								
4	CGXMB0571D24-AE	71	0.37	0.5	25 X 25				5850	5700	5150	3650	3100	2500	1700				
5	CGXMB0571J-ES**	71	0.37	0.5	40 X 40	14000	13200	12600	11400	7200									
6	CGXMB0571J	71	0.37	0.5	40 X 40	14000	13200	12600	11400	7200									
7	CGXMB0571M	71	0.37	0.5	50 X 50	18900	15600	14200	12600	9000									
8	CGXMB0571M-ES**	71	0.37	0.5	50 X 50	18900	15600	14200	12600	9000									
9	CGXMB1080D	80	0.75	1.0	25 X 25					10500	10400	10200	9900	9000	7800	6600	5100	3900	
10	CGXMB1071D28-AE	71	0.75	1.0	25 X 25									5450	5050	4000	3350	2600	
11	CGXMB1071E27-AE	71	0.75	1.0	32 X 25									5700	5200	4700	3500	2760	
12	CGXMB1080E	80	0.75	1.0	32 X 25					9200	9100	9050	9000	8700	7100	5800	3800	1900	250
13	CGXMB1080ET*	80	0.75	1.0	32 X 25			9200	9100	9050	9000	8700	7100	5800	3800	1900	250		
14	CGXMB1080GT*	80	0.75	1.0	40 X 32		13800	13200	12000	10800	9600	7800	4800 (23m)						
15	CGXMB1080G	80	0.75	1.0	40 X 32				13800	13200	12000	10800	9600	7800	4850				
16	CGXMB1080J	80	0.75	1.0	40 x 40		18000	17300	16500	14700	12600	10200	6000						
17	CGXMB1080M	80	0.75	1.0	50 X 50	30000	27000	19800	16200	6000									
18	CGXMBG1080M	80	0.75	1.0	50 X 50	26000	24000	22500	21500	18000	9000								
19	CGXMB1080M-ES**	80	0.75	1.0	50 X 50	30000	27000	19800	16200	6000									
20	CGXMBG1080M-ES**	80	0.75	1.0	50 X 50	26000	24000	22500	21500	18000	9000								
21	CGXMB1080Q	80	0.75	1.0	80 x 80	42000	27000	15000											
22	CGXMB1080Q-ES	80	0.75	1.0	80 x 80	42000	27000	15000											

*Three Phase Products.
**Extended Shaft model.



Centrifugal Monobloc Pump Set

CGXMB[®]

HHP Series



Features And Specifications

- Robust Construction
- Fitted with Thermal Overload Protector (1Ph Only).
- Wide voltage band
 - Standard 1Ph: 180V-240V
 - 3Ph: 350V-440V
 - LV : 140V-240V
- Liquid - Clear and Cold Water



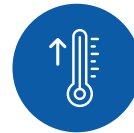
100% Copper Winding



High Quality Mechanical Seal



Strong Motor



F Class Insulation



Cast Iron Body

Applications

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

Construction Detail

Component	Specification
Winding	Copper
Stamping	High Grade Electrical Stamping
Motor Body	Cast Iron FG200
Volute Casing	Cast Iron FG200
End Cover	Cast Iron FG200
Adaptor	Cast Iron FG 200
Flange	Cast Iron FG 200
Shaft	Carbon Steel /Stainless Steel
Impeller	Cast Iron
Sealing Type	Mechanical Seal
Fan Cover	Powder coated Mild Steel



AGRICULTURE SURFACE PUMPS

Model	Frame	Power		Pipe Size	Head in Meters										
		kW	HP	Mm	4	6	8	10	12	14	16	18	20		
					Discharge in Liter Per Hour										
CGXMB1580M	80	1.1	1.5	50 X 50		24000	22800	19800	15000	9000					
CGXMB1580N	80	1.1	1.5	65 X 50			31800	28200	24600	20000	15000				
CGXMB1580Q	80	1.1	1.5	80 x 80	60000	48000	33000	6000							
CGXMB1580Q-ES	80	1.1	1.5	80 x 80	60000	48000	33000	6000							
CGXMBG1580Q	80	1.1	1.5	80 x 80		48000(5m)	42000	35000	20000						
CGXMBG1580Q-DPL-ES	80	1.1	1.5	80 x 80		48000(5m)	42000	35000	20000						
CGXMBG1580Q-LV	80	1.1	1.5	80 x 80		45000(5m)	41000	34000	20000						
CGXMBG1580Q-WV	80	1.1	1.5	80 x 80	44000	38000	30000	22000	16000						
CGXMB1580Q-WV	80	1.1	1.5	80 x 80	52000	44000	40000	24000							
CGXMBG2090N	90	1.5	2	65 X 50				30000	29000	25500	20500	16000	6000		
CGXMBG2090N-DP	90	1.5	2	65 X 50		36000	33000	30000	26400	22200	16200	10800			
CGXMBG2090N-LV	90	1.5	2	65 X 50				30000	29000	25500	20500	16000	6000		
CGXMB2190N	90	1.5	2	65 X 50					28800	25200	20400	14000	6000		
CGXMB2190NT*	90	1.5	2	65 X 50					28800	25200	20400	14000	6000		
CGXMB2190N-WV	90	1.5	2	65 X 50		36000	33000	30000	26400	22200	16200	10800			
CGXMBG2090P-DPL-ES	90	1.5	2	80 X 65		54000	48000	39000	27000						
CGXMB2090Q, LV, DP, DPL,ES	90	1.5	2	80 X 80		54000	48000	39000	27000						
CGXMBG2090Q, LV, DP, WV,DPL,ES	90	1.5	2	80 X 80		54000	48000	39000	27000						
CGXMB3090Q, DP	90	2.2	3	80 X 80		63000	57000	52200	47000	41000	34000	15000			
CGXMBG3090Q, DP	90	2.2	3	80 X 80		60000	57000	52200	47000	41000	34000	15000			
CGXMBG3090S	90	2.2	3	100 X 100	67000	64000	57000	50000	42000	34000	20000				
CGXMBG3090SE	90	2.2	3	100 X 100	63000	60000	55000	50000	42000	34000	18000				
CGXMBG3090SE-DP	90	2.2	3	100 X 100	63000	60000	55000	50000	42000	34000	18000				
CGXMB3090S-DP	90	2.2	3	100 X 100	68000	63000	57000	52000	46000	40000	30000				
CGXMBG3090S-DP	90	2.2	3	100 X 100	69000	64000	57000	50000	42000	34000	25000				

*Product Available in Three phase.

Model	Frame	Power		Pipe Size	Head in Meters											
		kW	HP	Mm	9	10	12	14	16	18	20	22	24	26	28	30
					Discharge in Liter Per Hour											
CGXMB1580G,	80	1.1	1.5	40 X 32		12600	12300	12000	11400	10800	10200	9600	8400	7200	6000	4200
CGXMB1580GT*	80	1.1	1.5	40 X 32		12600	12300	12000	11400	10800	10200	9600	8400	7200	6000	4200
CGXMB2080K	80	1.5	2	50 X 40	30000	28800	26400	24000	21000	18000	13800	6600				
CGXMB2090K	90	1.5	2	50 X 40	25800	25500	25200	24900	24600	24300	24000	22800	21600	19800	16800	12000
CGXMBG2090K	90	1.5	2	50 X 40		23100	22500	22000	21500	21000	20000	18500	16500	14500	12000	10000
CGXMB2090KT*	90	1.5	2	50 X 40	20700	20400	19800	18900	18000	17100	16200	15000	12000	9000	6000	
CGXMBG2090KT*	90	1.5	2	50 X 40		23100	22500	22000	21500	21000	20000	18500	16500	14500	12000	10000

*Product Available in three phase.

Centrifugal Monobloc Pump Set

Energy Efficient Products



Features And Specifications

- IE2/IE3 efficiency class compliance motor.
- Specially designed with mechanical seal for hot (up to 80° C) and cold-water application.(Above 90° C up to 120° C Available on demand)
- Dynamically balanced rotating parts gives vibration free operations.
- Robust, statically Balanced construction and Special versatile mounting.
- Eco-friendly, ergonomically designed packaging for handling & usages



IE2/IE3 Efficiency



IP 55 Protection



Anti-Rust Coated Impellers



Retrofit Interchangeability Mounting



High Grade Mechanical Seal (Reliable)



Sturdy & Strong Built



Copper Wound Induction Motors

Applications

Agriculture, Industrial, Commercial, Domestic, Clear water supply for Industrial Cooling towers, Firefighting, Boiler (with HNBR seal), Farming, Bungalows water lifting, Hospitals, High Rise Buildings, Industrial Estates, community centers, Commercial Centers, Railways.

Construction Detail

Component	Specification
Winding	Copper
Stamping	High Grade Electrical Stamping
Motor Body	Cast Iron FG200
Volute Casing	Cast Iron FG200
End Cover	Cast Iron FG200
Adaptor	Cast Iron FG200
Flange	Cast Iron FG200
Impeller	Cast Iron FG200 with Rust Free CED Coating
Sealing Type	Mechanical Seal
Fan Cover	Mild Steel

Default all APEX products comes with EPDM Seal (up to 80Degree C). HNBR seal (up to 120degree) will be served on request.



Centrifugal Monobloc Pump Set



Model	HP	Pipe Size	Head in Meters																			
			8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40			
			Discharge (LPM)																			
CGXMB03K-38	3Hp	50 X 40					340 (15m)	338	336	330	320	300	280	250	210	170	120	50(35m)				
CGXMB03N-26	3Hp	65 x 50		550	520	490	460	430	390	330	260	200(25m)										
CGXMB03P-21	3Hp	80 X 65	750	700	650	590	510	460	350													
CGXMB05N-37	5HP	65 x 50						690 (15)	670	640	610	580	550	510	460	390	350	250				
CGXMB05P-28	5HP	80 X 65				850	810	760	720	670	620	560	500	420(27m)								
CGXMB05Q-22	5HP	80 X 80	1400	1350	1280	1200	1100	980	800	600												
CGXMB07P-36	7.5HP	80 x 65					1250 (15m)	1230	1180	1130	1070	1000	920	860	740	620	350					
CGXMB07S-26	7.5HP	100x100		1500	1460	1430	1390	1350	1200	1160	950(25m)											
CGXMB10P-40	10HP	80 X 65		1400	1380	1350	1320	1300	1270	1240	1190	1150	1100	1030	950	810	750	600	200			
CGXMB10S-30	10HP	100 X 100		1650	1630	1610	1590	1570	1540	1510	1470	1320	1050									
CGXMB15S-36	15HP	100 X 100		1850	1830	1820	1800	1790	1785	1780	1775	1770	1740	1680	1560	1230	1000					

All Are Three Phase Products
 Default all APEX products comes with EPDM seal(up to 80Degree C). HNBR seal (up to 120degree) will be served on request.

Model	HP	Pipe Size	Head in Meters																		
			20	24	28	30	32	34	36	38	40	42	44	46	48	50	52	54	60	64	
			Discharge (LPM)																		
CGXMB05K-50	5HP	50 X 40							325	310	290	265	240	210	160	100					
CGXMB07K-56	7.5HP	50 X 40						500	490	480	465	450	440	420	400	360	310	200			
CGXMB07N-52	7.5HP	65 x 50			500	430	410	390	365	340	310	280	250	210	160	100					
CGXMB10N-65	10HP	65 x 50								500	480	460	440	420	400	380	360	240	100		
CGXMB12P-48	12.5HP	80 x 65	1400	1330	1230	1180	1130	1080	1020	950	820	700	500	300(47m)							
CGXMB15P-54	15HP	80 X 65	1300	1260	1240	1220	1200	1190	1170	1120	1080	1030	1000	880	760	660	470	380			
CGXMB20R-48	20HP	100 X 80	1680	1670	1640	1630	1600	1560	1520	1470	1400	1270	1110	880	450						

All Are Three Phase Products
 Default all APEX products comes with EPDM seal(up to 80Degree C). HNBR seal (up to 120degree) will be served on request.

Agro 3Ph Horizontal Openwell Submersible Pumps

CGAOW



Features And Specifications

- 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
- Designed for high water discharge
- Provided SS strainer to prevent sand entry
- Supply: 3ph, AC, 50Hz; voltage – 350 to 440V



100% Copper Winding



SS Hardware



Anti-Rust CED Coated CI Parts



Energy Efficient Design



Stainless Steel Shaft

Applications

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

Construction Detail

Component	AE Body models
Pump Volute Casing	CED Coated Cast Iron (CI FG 200)
Impeller	CED Coated Cast Iron (CI FG 200)
Motor Body	CED Coated Cast Iron (CI FG 200)
Mounting Foot Frame	MS
Pump Adaptor & End cover	CED Coated Cast Iron (CI FG 200)
Bush Bearing	LTB 4
Thrust Bearing	Sintered Carbon + SS
Shaft	SS 410
Winding Wire	PVC Insulated Copper
Hardware's	Stainless Steel
Strainer	Stainless Steel Mesh Strainer

Performance Table

Model	Pipe Size (mm)	Power kW/HP	Head in meters								
			12	15	18	21	24	27	30	33	36
			Discharge in LPM								
CGAOW03NA-A	65 x 50	2.2/3.0	540	520	480	440	370	290			
CGAOW05NA-A	65 x 50	3.7/5.0		750	700	650	600	530	450	330	100
CGAOW05N-A*	65 x 50	3.7/5.0		750	710	670	630	570	500	380	150

Model	Pipe Size (mm)	Power kW/HP	Head in meters								
			24	27	30	33	36	39	42	45	48
			Discharge in LPM								
CGAOW07N-A*	65 x 50	5.5/7.5	900	880	850	810	750	650	550	430	300

* Copper Rotor



CGSV[®]

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

Turbo Series



Features And Specifications

- Design Mixed and Radial flow for high efficiency water lifting
- Wide Voltage band, 3Ph (350v-440v) 50Hz, 1Ph (160v-240v) 50Hz.
- Fitted with NRV Valve.
- Ranges starting from 3.0 HP-60 HP in 3Ph & Selected model is also available in 1PH.
- Specially designed Tubular packing (Paper core) for safe delivery during transportation.
- "JANTA" Models are available in combination of 6 Inch Motor with 7 Inch and 8 Inch Pump.



100% Copper Winding



Copper Rotor



Anti-Rust-CED Coated CI Parts



Stainless Steel Shaft



SS Fasteners



15% Extra Material Content

Applications

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

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
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



V5 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

V5 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 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
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
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

Material of Construction - Pumps
V6, V7, 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, V7, 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





4 inch, Submersible Pump, Turbo Series

Turbo E15 Series. Radial Flow, Outlet NRV Pipe Size 32mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	13	18	22	28	31	36	45
CG4R0340E15	2.20	3.0	40	3φ	H(m)	264	240	220	204	180	168	140	88

Turbo E02 Series. Radial Flow, Outlet NRV Pipe Size 32mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	20	25	30	36	46	56	65
CG4R0330E02	2.20	3.0	30	3φ	Head (m)	234	195	186	171	150	123	87	42
CG4R0550E02	3.70	5.0	50	3φ		390	325	310	285	250	205	145	70

Turbo E10 Series. Mixed Flow, Outlet NRV Pipe Size 50mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	105	120	130	160	175	190	205
CG4M0310E10 &1	2.20	3.0	10	1,3φ	Head (m)	64	49	47	45	40	36	30	23
CG4M0312E10 &1	2.20	3.0	12	1,3φ		77	59	56	54	48	43	36	28

Turbo NSB Series. Mixed Flow, Outlet NRV Pipe Size 65mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	130	160	190	250	315	360	470
CG4M0206NSB, 2, 3P	1.50	2.0	6	3φ	Head (m)	33	28	26	24	21	17	14	2
CG4M0307NSB, 1, 2, 3P	2.20	3.0	7	1,3φ		40	34	32	30	26	22	18	3
CG4M0309NSB, 1, 2, 3P	2.20	3.0	9	1,3φ		51	44	41	39	33	28	23	4

Turbo 18C Series. Mixed Flow, Outlet NRV Pipe Size 65mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	70	100	200	300	350	400	450
CG4M030718C &1	2.20	3.0	7	1,3φ	Head (m)	36	35	33	28	21	17	13	7
CG4M030818C &1	2.20	3.0	8	1,3φ		41	40	38	32	24	19	15	8

18C is in CI Bowl type construction

Turbo NSA Series. Mixed Flow, Outlet NRV Pipe Size 65mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	180	220	265	330	370	425	505
CG4M0206NSA, 1, 2, 3P	1.50	2.0	6	1,3φ	Head (m)	35	27	25	23	19	15	11	3
CG4M0307NSA, 1, 2, 3P	2.20	3.0	7	1,3φ		41	31	29	27	21	18	14	2

NSA is in CI Bowl type construction

Turbo E20 Series. Mixed Flow, Outlet NRV Pipe Size 65mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	226	274	298	333	381	429	452
CG4M0307E20	2.20	3.0	7	1,3φ	Head (m)	38	27	24	22	21	18	14	12
CG4M0512E20	3.70	5.0	12	3φ		77	46	41	38	36	30	24	20





5 inch, Submersible Pump, Turbo Series

Turbo Z10 Series. Mixed Flow, Outlet NRV Pipe Size 75mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	270	330	380	450	500	550	600
CG5M0303Z10 (1&3)	2.25	3.00	3	1,3φ	Head (m)	29	25	24	23	20	18	15	12
CG5M0404Z10	3.00	4.00	4	1,3φ		38	34	32	30	27	24	20	16
CG5M0505Z10	3.7	5.00	5	3φ		48	42	40	38	34	30	25	20
CG5M0606Z10	4.50	6.00	6	3φ		58	50	48	46	41	36	30	24
CG5M0708Z10	5.5	7.50	8	3φ		77	67	64	61	54	48	40	32

Turbo Z12 Series. Mixed Flow, Outlet NRV Pipe Size 75mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	290	380	460	550	620	680	750
CG5M0504Z12	3.7	5.00	4	1,3φ	Head (m)	48	35	33	31	27	24	19	14
CG5M0605Z12	4.50	6.00	5	3φ		60	44	42	39	34	30	24	18
CG5M0706Z12	5.5	7.50	6	3φ		72	53	50	47	41	35	29	21

Turbo Z15 Series. Mixed Flow, Outlet NRV Pipe Size 75mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	460	530	610	680	740	790	830
CG5M0503Z15	3.7	5.00	3	3φ	Head (m)	32	25	23	22	21	20	17	15
CG5M0604Z15	4.50	6.00	4	3φ		43	33	31	30	28	26	23	20

6 inch, Submersible Pump, Turbo Series, 6" Motor / 6" Pump

Turbo Z40 Series. Radial Flow, Outlet NRV Pipe Size 50mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	54	90	120	150	198	222	240
CG6R0308Z40	2.20	3.00	8	3φ	Head (m)	85	76	69	62	56	42	34	28
CG6R0512Z40	3.7	5	12	3φ		127	114	103	92	84	63	51	42

Turbo Z50 Series. Radial Flow, Outlet NRV Pipe Size 50mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	85	110	130	150	175	210	225
CG6R0510Z50	3.7	5.00	10	3φ	Head (m)	110	102	96	92	87	81	72	68

Turbo Z60 Series. Radial Flow, Outlet NRV Pipe Size 50mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	90	130	160	190	220	240	260
CG6R0305Z60	2.2	3.00	5	3φ	Head (m)	66	65	61	56	52	45	39	33
CG6R0508Z60	3.7	5.00	8	3φ		88	86	81	75	70	60	52	44

Turbo Z75 Series. Radial Flow, Outlet NRV Pipe Size 50mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	180	210	230	240	260	270	285
CG6R0710Z75	5.5	7.50	10	3φ	Head (m)	110	96	92	90	87	84	82	76
CG6R1014Z75	7.5	10.00	14	3φ		154	134	129	126	122	118	115	106



6 inch, Submersible Pump, Turbo Series, 6" Motor / 6" Pump

Turbo Z100 Series. Radial Flow, Outlet NRV Pipe Size 50mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	245	265	295	320	350	370	395
CG6R0505Z100	3.7	5.00	5	3φ	Head (m)	63	53	50	48	44	40	38	33
CG6R0708Z100	5.5	7.50	8	3φ		100	84	80	76	70	64	60	52
CG6R1010Z100	7.5	10.00	10	3φ		125	105	100	95	87	80	75	65

Turbo H125 Series. Radial Flow, Outlet NRV Pipe Size 65mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	170	220	275	300	360	390	430
CG6R0706H125	5.5	7.50	6	3φ	Head (m)	107	95	88	78	72	59	51	41
CG6R1008H125	7.5	10.00	8	3φ		142	126	118	104	96	78	68	54
CG6R1512H125	11	15.00	12	3φ		214	190	176	156	144	118	102	82

Turbo H150 Series. Radial Flow, Outlet NRV Pipe Size 65mm (75mm on demand)

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	230	280	320	380	425	460	480
CG6R1208H150	9.3	12.50	8	3φ	Head (m)	142	120	112	106	96	86	78	72
CG6R1510H150	11	15.00	10	3φ		178	150	140	132	120	108	98	90
CG6R1712H150	13	17.50	12	3φ		214	180	168	158	144	130	118	108
CG6R2014H150	15.0	20.00	14	3φ		249	210	196	185	168	151	137	126

Turbo Z08 Series. Mixed Flow, Outlet NRV Pipe Size 65mm (75mm on demand).

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	140	230	300	340	390	470	520
CG6M0304Z08 (1&3P)	2.2	3.00	4	1,3φ		38	36	35	33	31	28	26	24

Turbo Z10 Series. Mixed Flow, Outlet NRV Pipe Size 65mm (75mm on demand).

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	160	245	370	430	475	510	550
CG6M0505Z10	3.7	5.00	5	1,3φ	Head (m)	53	46	44	41	39	37	36	34
CG6M0708Z10	5.5	7.50	8	3φ		84	74	70	66	62	58	57	54
CG6M1010Z10	7.5	10.00	10	3φ		105	92	88	82	78	73	71	67

Turbo Z12 Series. Mixed Flow, Outlet NRV Pipe Size 65mm (75mm on demand).

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	330	440	480	520	580	620	680
CG6M0304Z12HH	2.2	3.00	4	3φ	Head (m)	50	37	34	33	31	29	28	25
CG6M0504Z12 (2P & 3P)	3.7	5.00	4	3φ		50	37	34	33	31	29	28	25
CG6M0706Z12	5.5	7.5	6	3φ		75	55	52	49	47	44	42	38
CG6M1008Z12	7.5	10.00	8	3φ		100	74	69	66	62	58	56	50
CG6M1210Z12	9.3	12.50	10	3φ		125	92	86	82	78	73	70	63
CG6M1512Z12	11	15.00	12	3φ		150	110	103	98	94	88	84	76
CG6M1714Z12	13	17.50	14	3φ		175	129	120	115	109	102	98	88

Turbo Z15 Series. Mixed Flow, Outlet NRV Pipe Size 75mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	410	530	600	640	670	710	750
CG6M0604Z15	4.5	6.00	4	3φ	Head (m)	50	38	36	33	31	30	43	26
CG6M0705Z15	5.5	7.50	5	3φ		63	48	45	41	39	37	54	32



6 inch, Submersible Pump, Turbo Series, 6" Motor / 6" Pump

Turbo Z18 Series. Mixed Flow, Outlet NRV Pipe Size 80mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	380	560	700	750	810	865	920
CG6M0504Z18H	3.7	5.00	4	3φ	Head (m)	52	42	38	34	31	28	25	23
CG6M0704Z18	5.5	7.50	4	3φ		52	42	38	34	31	28	25	23

Turbo Z20 Series. Mixed Flow, Outlet NRV Pipe Size 75mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	290	460	620	840	905	940	1000
CG6M0504Z20HH	3.7	5.00	4	3φ	Head (m)	46	43	41	37	31	28	27	22
CG6M1005Z20	7.5	10.00	5	3φ		58	54	51	46	39	36	34	28

7 inch Turbo Series, (6"motor /7" pump) Submersible Pump, Mixed Flow

Turbo Z25 Series. Mixed Flow, Outlet NRV Pipe Size 75mm (100mm available on demand).

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	Mixed Flow	kW				HP	0	410	500	605	780	880	920	1060
CG7JM0502Z25	Mixed Flow	3.7	5.00	2	3φ	Head (m)	34	28	27	25	22	20	19	16
CG7JM0703Z25	Mixed Flow	5.5	7.50	3	3φ		51	43	41	38	33	30	29	24
CG7JM1004Z25	Mixed Flow	7.5	10.00	4	3φ		68	57	54	50	44	40	38	32
CG7JM1205Z25	Mixed Flow	9.3	12.50	5	3φ		85	71	68	63	55	50	48	40

Turbo Z30 Series. Mixed Flow, Outlet NRV Pipe Size 75mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	Mixed Flow	kW				HP	0	580	765	850	960	1030	1100	1200
CG7JM0702Z30	Mixed Flow	5.5	7.50	2	3φ	Head (m)	36	28	25	24	22	20	19	16
CG7JM1003Z30	Mixed Flow	7.5	10.00	3	3φ		55	42	38	36	33	31	28	24
CG7JM1204Z30	Mixed Flow	9.3	12.50	4	3φ		73	56	51	48	44	41	38	32

Turbo Z40 Series. Mixed Flow, Outlet NRV Pipe Size 100mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	Mixed Flow	kW				HP	0	500	700	900	1050	1200	1350	1600
CG7JM1203Z40	Mixed Flow	9.3	12.50	3	3φ	Head (m)	41	37	34	32	30	28	24	17
CG7JM1504Z40	Mixed Flow	11	15.00	4	3φ		82	74	69	64	60	56	48	34

Turbo Z50 Series. Mixed Flow, Outlet NRV Pipe Size 100mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	Mixed Flow	kW				HP	0	530	780	1020	1170	1440	1550	1600
CG7JM1002Z50	Mixed Flow	7.5	10.00	2	3φ	Head (m)	44	37	34	31	28	22	18	16
CG7JM1503Z50	Mixed Flow	11	15.00	3	3φ		66	56	51	46	42	33	27	24

Turbo Z60 Series. Mixed Flow, Outlet NRV Pipe Size 100mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	Mixed Flow	kW				HP	0	420	710	980	1250	1500	1760	1860
CG7JM1703Z60	Mixed Flow	13	17.50	3	3φ	Head (m)	69	60	54	50	45	39	30	27



7 inch Turbo Series, (6"motor /7" pump) Submersible Pump, Mixed Flow

Turbo L40 Series. Mixed Flow, Outlet NRV Pipe Size 100mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	Mixed Flow	kW				HP	0	467	1154	1530	1700	1950	2162	2510
CG7JM0702L40		5.5	7.50	2	3φ	Head (m)	30	28	22	18	16	13	10	6
CG7JM0702L40HH		5.5	7.50	3	3φ		45	42	33	27	24	19	15	9
CG7JM1203L40		9.3	12.50	3	3φ		45	42	33	27	24	19	15	9
CG7JM1504L40		11	15.00	4	3φ		60	56	44	36	32	26	20	12
CG7JM2005L40		15.0	20.00	5	3φ		75	70	55	45	40	32	25	15

Turbo L50 Series. Mixed Flow, Outlet NRV Pipe Size 100mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	Mixed Flow	kW				HP	0	660	1260	1620	1900	2100	2280	2520
CG7JM1002L50		7.5	10.00	2	3φ	Head (m)	32	28	24	20	16	13	10	6
CG7JM1503L50		11	15.00	3	3φ		48	42	36	30	24	20	15	9
CG7JM2004L50		15.0	20.00	4	3φ		64	56	48	40	32	26	20	12

8 inch Hi-dra Turbo Series, 6"Motor /8"Pump, Submersible Pump

Turbo M40 Series. Mixed Flow, Outlet NRV Pipe Size 100mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	Mixed Flow	kW				HP	0	600	800	900	1000	1250	1350	1450
CG8JM0702M40		5.5	7.5	2	3φ	Head (m)	43	35	32	30	28	24	22	20
CG8JM1003M40 (H)		7.5	10.0	3	3φ		65	53	48	45	42	36	33	30
CG8JM1203M40		9.3	12.5	3	3φ		65	53	48	45	42	36	33	30
CG8JM1504M40		11	15.0	4	3φ		86	70	64	60	56	48	44	40
CG8JM2005M40		15.0	20.0	5	3φ		108	88	80	75	70	60	55	50

Turbo M50 Series. Mixed Flow, Outlet NRV Pipe Size 100mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	Mixed Flow	kW				HP	0	700	900	1040	1150	1340	1460	1600
CG8JM1002M50		7.5	10.0	2	3φ	Head (m)	44	36	34	32	30	27	25	22
CG8JM1503M50		11	15.0	3	3φ		66	54	51	48	45	41	38	33
CG8JM2004M50		15.0	20.0	4	3φ		88	72	68	64	60	54	50	44
CG8JM2505M50		18.5	25.0	5	3φ		110	90	85	80	75	68	63	55

Turbo M60 Series. Mixed Flow, Outlet NRV Pipe Size 100mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	Mixed Flow	kW				HP	0	950	1050	1250	1360	1530	1650	1770
CG8JM1703M60		13	17.5	3	3φ	Head (m)	71	54	51	48	45	41	36	32
CG8JM2504M60		18.5	25.0	4	3φ		94	72	68	64	60	54	48	42

Turbo M90 Series. Mixed Flow, Outlet NRV Pipe Size 150mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM								
	Mixed Flow	kW				HP	0	1350	1475	1600	1800	2100	2250	2450
CG8JM1702M90		13	17.5	2	3φ	Head (m)	54	42	40	38	34	28	24	19



8 inch, Turbo Series, Submersible Pump, Mixed Flow

Turbo M40 Series. Mixed Flow, Outlet NRV Pipe Size 100mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	600	800	900	1000	1250	1350	1450
CG8M2005M40	15.0	20.00	5	3φ	Head (m)	108	88	80	75	70	60	55	50

Turbo M50 Series. Mixed Flow, NRV Pipe Size 100mm (125mm available on demand).

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	700	900	1040	1150	1340	1460	1600
CG8M1002M50	7.5	10.00	2	3φ	Head (m)	44	36	34	32	30	27	25	22
CG8M2004M50	15.0	20.00	4	3φ		88	72	68	64	60	54	50	44
CG8M2505M50	18.5	25.00	5	3φ		110	90	85	80	75	68	63	55

Turbo M60 Series. Mixed Flow, Outlet NRV Pipe Size 100mm

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	950	1050	1250	1360	1530	1650	1770
CG8M2504M60	18.5	25.00	4	3φ	Head (m)	94	72	68	64	60	54	48	42
CG8M3005M60	22	30.00	5	3φ		118	90	85	80	75	68	60	53

Turbo M70 Series. Mixed Flow, Outlet NRV Pipe Size 100mm (125mm available on demand).

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	1020	1180	1310	1450	1530	1700	2000
CG8M3004M70	22	30.00	4	3φ	Head (m)	100	82	78	74	68	64	58	46
CG8M3505M70	26	35.00	5	3φ		125	103	98	93	85	80	73	58

Turbo M80 Series. Mixed Flow, Outlet NRV Pipe Size 100mm (125mm available on demand).

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	1050	1280	1420	1550	1630	1970	2150
CG8M2503M80	18.5	25.0	3	3φ	Head (m)	80	63	59	55	51	48	39	32

Turbo M100 Series. Mixed Flow, Outlet NRV Pipe Size 100mm (125mm available on demand).

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	1520	1630	1780	1900	2080	2300	2500
CG8M4004M100	30.0	40.00	4	3φ	Head (m)	102	81	78	75	72	67	56	32

Turbo F30 Series. Radial Flow, Outlet NRV Pipe Size 75mm.

Model	Motor Rating		Stage	Phase	LPM	Discharge in LPM							
	kW	HP				0	290	380	480	530	575	620	670
CG8R3010F30	22.5	30.00	10	3φ	Head (m)	220	204	198	183	170	152	132	110
CG8R3012F30	22.5	30.00	12	3φ		264	245	238	220	204	182	158	132
CG8R4016F30	30.0	40.00	16	3φ		352	326	317	293	272	243	211	176

Control Panel for Submersible Pumps

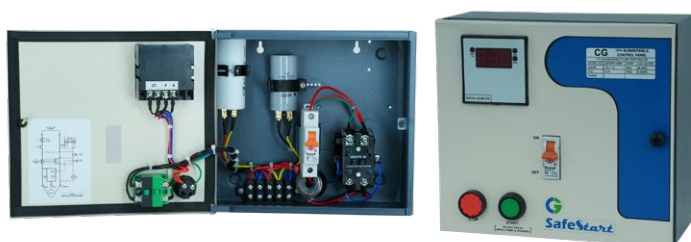

Product A


- MCB
- Run Capacitor
- Start Capacitor*
- Sheet Metal Box
- VA Meter
- Connection Block
- Start Push Button*

Product A

Product	Type	HP	MCB	Run Capacitor	Start Capacitor	Power Wiring(mm2)
CGPCPO10XMG	Oil Filled	1.00	8	36	--	2.5
CGPCPO15XMG	Oil Filled	1.50	10	50	--	2.5
CGPCPW10BNG*	Water Filled	1.00	10	50	100-120	2.5

*Panel Supplied with Motor Start Push Button.

Product B


- MCB
- Contactor
- Run Capacitor
- Start Capacitor*
- Sheet Metal Box
- VA Meter
- Connection Block
- Twin Push Button
- LED Indicator

Product B (with MCB)

Product	Type	HP	MCB	Run Capacitor (mfd)	Start Capacitor (mfd)	Contactor Rating (A)	Current Rating (A)
CGPCPO05XL	Oil Filled	0.5	6	30	--	20A, 2Pole	4.1
CGPCPO07XM	Oil Filled	0.75	6	36	--	20A, 2Pole	5
CGPCPO10XM	Oil Filled	1	8	36	--	20A, 2Pole	6.1,7.1
CGPCPO15XN	Oil Filled	1.5	10	50	--	20A, 2Pole	8.7,10
CGPCPO20XP	Oil Filled	2	13	72	--	20A, 2Pole	11, 11.4
CGPCPW05AL	Water Filled	0.5	6	30	80-100	20A, 2Pole	4.5, 4.8, 5.3
CGPCPW07BM	Water Filled	0.75	6	36	100-120	20A, 2Pole	5.5, 5.6, 6.1, 6.2
CGPCPW10BM	Water Filled	1	8	36	100-120	20A, 2Pole	7.5
CGPCPW10BN	Water Filled	1	8	50	100-120	20A, 2Pole	6.8
CGPCPW12CN	Water Filled	1.25	10	50	120-150	20A, 2Pole	8, 8.5
CGPCPW15CN	Water Filled	1.5	13	50	120-150	20A, 2Pole	10.5
CGPCPW15CP	Water Filled	1.5	13	72	120-150	20A, 2Pole	9.6
CGPCPW20DP	Water Filled	2	16	72	150-200	20A, 2Pole	13.8
CGPCPW20DQ	Water Filled	2	16	100	150-200	20A, 2Pole	11,12.6
CGPCPW20EP	Water Filled	2	20	72	200-250	20A, 2Pole	11,12.6
CGPCPW30ER	Water Filled	3	20	108	200-250	20A, 2Pole	19.8

Product C


- Relay
- Contactor
- Run Capacitor
- Start Capacitor*
- Sheet Metal Box
- VA Meter
- Connection Block
- Twin Push Button
- LED Indicator

Product C (with Relay)

Product	Type	HP	Relay	Run Capacitor	Start Capacitor	Contactor Rating (A)	Current Rating (A)
CGPCPO05XL-M	Oil Filled	0.50	4 - 6.5 A	30	N.A.	20A, 2Pole	4.1
CGPCPO07XM-M	Oil Filled	0.75	4 - 6.5 A	36	N.A.	20A, 2Pole	5
CGPCPO10XM-M	Oil Filled	1.00	6 - 10 A	36	N.A.	20A, 2Pole	6.1
CGPCPO15XN-M	Oil Filled	1.50	9 - 14 A	50	N.A.	20A, 2Pole	6.1, 7.1
CGPCPO20XP-M	Oil Filled	2.00	13 - 21 A	72	N.A.	24A, 2Pole	11, 11.4
CGPCPW05AL-M	Water Filled	0.5	4 - 6.5 A	30	80-100	20A, 2Pole	4.5, 4.8, 5.3
CGPCPW07BM-M	Water Filled	0.75	4 - 6.5 A	36	100-120	20A, 2Pole	5.5, 5.6, 6.1, 6.2
CGPCPW10BM-M	Water Filled	1	6 - 10 A	36	100-120	20A, 2Pole	6.8
CGPCPW10BN-RV	Water Filled	1.00	6-10A	50	100-120	20A, 2Pole	6.8
CGPCPW10BN-M	Water Filled	1.00	6 - 10 A	50	100-120	20A, 2Pole	6.8
CGPCPW12CN-M	Water Filled	1.25	9 - 14 A	50	120-150	20A, 2Pole	8, 8.5
CGPCPW15CN-M	Water Filled	1.50	9 - 14 A	50	120-150	20A, 2Pole	10.5
CGPCPW15CP-RV	Water Filled	1.50	9-14A	72	120-150	20A, 2Pole	9.6
CGPCPW15CP-M	Water Filled	1.50	9 - 14 A	72	120-150	20A, 2Pole	9.6
CGPCPW20DP-M	Water Filled	2.00	13 - 21 A	72	150-200	24A, 2Pole	11,12.6
CGPCPW20DQ-RV	Water Filled	2.00	11-18A	100	150-200	20A, 2Pole	11,12.6
CGPCPW20DQ-M	Water Filled	2.00	13 - 21 A	100	150-200	24A, 2Pole	11,12.6
CGPCPW20EP-M	Water Filled	2.00	13 - 21 A	72	200-250	24A, 2Pole	11,12.6
CGPCPW20EP-M-2P*	Water Filled	2.00	13 - 21 A	36 + 36 (EHD)	200-250	24A, 2Pole	11,12.6
CGPCPW20EP-M-2PA*	Water Filled	2.00	13 - 21 A	36 + 36 (EHD)	200-250	25A, 4Pole (MMU)	11,12.6
CGPCPW30ER-M	Water Filled	3.00	20 - 32 A	72 + 36	200-250	32A, 2Pole	19.8
CGPCPW30ER-RV	Water Filled	3.00	13-22A	108	20-250	20A, 2Pole	19.8

CGPCPW20EP-M-2P

CGPCPW20EP-M-2PA


Three Phase Control Panels



- Features And Specifications**
- Robust Powder coated Box
 - Easy Customer termination
 - Easy Maintenance
 - Confirms IEC 60947-4-1

Construction

- Thermal overload Relay
- Single Phase preventer
- 4pole Contactor
- VA Meter
- ON/OFF button
- Twin LED Indicator
- Twin Push Buttons

Product Range

Catref	Relay	Contactor Rating	Recommended HP/kW	
			Submersible 3Phase	Centrifugal Monobloc
CGPCP1.5-2.5	1.5-2.5 A	16A, 4Pole	1hp/1.0Kw	-
CGPCP2.5-4	2.5-4.0 A	16A, 4Pole	1.5hp/1.12kW & 2hp/1.5kW	-
CGPCP6-10	6.0-10.0 A	16A, 4Pole	3hp/2.25kW	5hp/3.70kW
CGPCP9-14	9.0-14.0 A	16A, 4Pole	5hp/3.70kW	7.5hp/5.5kW
CGPCP11-18	11.0-18.0 A	16A, 4Pole	6hp/4.5kW	-
CGPCP13-22	13.0-22.0 A	25A, 4Pole	7.5hp/5.5kW	10hp/7.5kW
CGPCP20-32	20.0-32.0 A	32A, 4Pole	10hp/7.5kW	15hp/11.2kW

Submersible Flat Cables



Product Available in 1.5 Sq.mm, 2.5Sq.mm, 4.0Sq.mm, 6.0Sq.mm

Starters
CG SafeSTART

Single Phase DOL Starters


Salient Features

- Confirms IEC 60947-4-1 Standards.
- Excellent Aesthetic Look with 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.

Technical Recknor

Item Code	HP	KW	Relay Range (A)	Control Wiring (sq.mm)	Contactor Rating (A)
CGSD0120D	1	0.8	6 - 10 A	0.5 X 1	20 A
CGSD0220E	2	1.5	9 - 14 A	0.5 X 1	20 A
CGSD0320F	3	2.2	11 - 18 A	0.5 X 1	20 A
CGSD0420G	4	3	13 - 21 A	0.5 X 1	20 A
CGSD0540H	5	3.7	20 - 32 A	0.5 X 1	40 A

Three Phase DOL Starters

- 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.

Technical Recknor

Item Code	HP	KW	Relay Range (A)	Control Wiring (sq.mm)	Contactor Rating (A)	Phase Current (A)	Control Wiring (sq.mm)
CGST0116J	1	0.75	1.5-2.5 A	16	2.5	2.5	0.5 X 1
CGST0216K	2	1.5	2.5-4 A	16	4	4	0.5 X 1
CGST0316L	3	2.2	4-6.5 A	16	6	6	0.5 X 1
CGST0516D	5	3.7	6-10 A	16	10	10	0.5 X 1
CGST0816E	7.5	5.5	9-14 A	16	14	14	0.5 X 1
CGST1016F	10	7.5	11-18 A	16	18	18	0.5 X 1
CGST1016G	10	7.5	13-22 A	16	22	22	0.5 X 1
CGST1025G	10	7.5	13-22 A	25	22	22	0.5 X 1
CGST1225H	12.5	9.3	20-32 A	25	32	32	0.5 X 1
CGST1525H	15	11	20-32 A	25	32	32	0.5 X 1
CGST2032H	20	15	20-32 A	32	32	32	0.5 X 1

COMMERCIAL PUMPS



Pressure Booster



Car Washer Pump



Dewatering Slurry Pumps



Fire Fighting and End Suction Pump

Reliable Water Solutions for Commercial Applications

The demand for efficient water management in commercial spaces like buildings, complexes, and institutions is steadily rising. CG Power offers a versatile range of commercial water pumps, including both surface and submersible models — designed for consistent performance, energy efficiency, and long-term reliability. Built to handle diverse commercial requirements, CG pumps ensure seamless water supply across all critical applications.

Submersible Range



Sewage Pumps



Cutter Pumps



Slurry Pump



Borewell Pumps

Sewage Submersible Pumps

CGSTP


IP 68

100% Copper Winding

Rust Free-CED Coated CI Parts

Stainless Steel Shaft

F Class Insulation

Silicon Carbide Mech Seal

Applications

Construction sites, Hotels and Restaurants, Sewage treatment plants, Waste water treatment plants, Septic Tanks, Underground drainage, airport, railway station & large commercial buildings, food processing industries, Biogas Plants, Sludge Pumping, etc

Construction

	Sewage	Slurry	STP-M	Cutter
Stamping	High Grade electrical Steel	High Grade electrical Steel	High Grade electrical Steel	High Grade electrical Steel
Motor Body	Stainless Steel	Cast Iron FG 200	Stainless Steel	Stainless Steel
Volute/Flange	Cast Iron FG 200	Cast Iron FG 200	Cast Iron FG 200	Cast Iron FG 200
Top/Bottom Cover	Cast Iron FG 200	Cast Iron FG 200	Cast Iron FG 200	Cast Iron FG 200
Impeller	Cast Iron FG 200	Cast Iron FG 200	Cast Iron FG 200	Stainless Steel
Handle	Stainless Steel	Eye Bolt	Stainless Steel	Stainless Steel
Cable Cover	Cast Iron FG 200	Cast Iron FG 200	Cast Iron FG 200	Cast Iron FG 200
Hardwares	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Winding	Copper	Copper	Copper	Copper
Float Switch	0.6mtr (1ph only)	Not Applicable	0.6mtr (1ph only)	0.6mtr (1ph only)
Cutter	Not applicable	Not applicable	Not applicable	Stainless Steel

- Double side Silicon carbide mechanical seal and Double lip oil seal provided to ensure better sealing.
- Liquid temp up to 60° C.
- Supply Voltage 1Phase: 180-240v
3Phase: 350-440v



COMMERCIAL SUBMERSIBLE PUMPS

Performance of Sewage Pumps

Model	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	21		
				Discharge in LPM													
CGSTP005F	20	0.37	0.5	32	165	130	100	35									
CGSTP010M	35	0.75	1	50			385	330	280	100							
CGSTP010MT*	35	0.75	1	50			385	330	280	100							
CGSTP020M	35	1.5	2	50		450	430	400	360	270	160	100 (14m)					
CGSTP020MT*	35	1.5	2	50		450	430	400	360	270	160	100 (14m)					
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			
CGSTP030M	35	2.2	3	50				650	620	550	470	350	200				
CGSTP030MT*	35	2.2	3	50				650	620	550	470	350	200				

*Three phase
All Single phase products are supplied with Float Switch.

Performance of Slurry Pumps

Model	Power		Delivery Pipe Size mm	7	8	9	11	13	15	17	19	21
	kW	HP		Discharge in LPM								
			Discharge in LPM									
CGSTP050ST*	3.7	5	100	1800	1600	1400	1100	900	600	500	400 (18m)	
CGSTP070ST*	5.5	7.5	100			1500	1400	1300	1100	900	700	400

Performance of Cutter Pumps

Model	Power		Delivery Pipe Size mm	Total Head in Meter								
	kW	HP		4	5	8	11	14	16	18	21	
			Discharge in LPM									
CGSTPC010MT*	0.75	1	50			350	270	200	120	50		
CGSTPC010M	0.75	1	50			350	270	200	120	50		
CGSTPC020MT*	1.5	2	50	380	360	300	250	180	140	100	50	
CGSTPC020M	1.5	2	50	380	360	300	250	180	140	100	50	

*Three phase
Note - All Single phase products are supplied with Float Switch.



Multi Stage Pressure Booster Pumps

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



Features And Specifications

- Powder Coated Aluminium Extruded Motor Body.
- Pumps are fitted with float switch for automatic operation.
- SS 304 Impeller & Diffuser.
- Fitted with Pressure Tank & Danfoss Pressure Switch.
- Brass Y-Strainer on Suction to avoid entry of small particles.
- Supply Voltage: 220V, 1Ph.

Applications

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



100% Copper Winding



Rust Free CED Coated CI Parts



8.8 Grade Hardwares



F Class Insulation



High Grade Mechanical Seal



Thermal Overload Protection

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 included

Pressure Switch



Float Switch



Pressure Tank



Y-Strainer





Construction Detail

Component	Material
Adapter, Suction End Cover	Cast Iron FG200
Fan End Cover	Aluminium PDC
Impeller / Diffuser	SS304
5way connector, Vent Plug, Y Stainer	Brass

Recommended Usage

Component	Model	Pipe Size (mm)	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 ³ /hr)	CGHMB1006M2-24D	25 X 25	0.75/1	6	24	6-8	3	2.5-4.5	2.3
	CGHMB1005M2-24E*	25 X 25	0.75/1	5	24	4-6	2-3	1.5-3.0	1.5
M4 (4m ³ /hr)	CGHMB1004M4-24D	32 X 25	0.75/1	4	24	10-12	5	1.5-3.0	1.5
	CGHMB1506M4-24D	32 X 25	1.10/1.50	6	24	10-12	5	2.5-4.5	2.3

*Product supplied with High Grade Stainless Steel Jacket Construction

Product Performance

2 meter cube per hour, 2850RPM, 50Hz pumps

Model	kW/HP	No. Of Stage	Pipe Size	Discharge (LPM)									
				0	8	15	25	35	45	55	65	70	
				Head in Meters									
CGHMB1005M2-24E	0.75/1	5	25 x 25	51	48	45	42	35	28	20	10	6	
CGHMB1006M2-24D	0.75/1	6	25 x 25	55	51	49	45	41	38	32	26	22	

4 meter cube per hour, 2850RPM, 50Hz pumps

Model	kW/HP	No. Of Stage	Discharge (LPM)	Discharge (LPM)									
				0	15	30	45	60	75	90	105	120	
				Head in meter									
CGHMB1004M4-24D	0.75/1	4	25 x 25	37	34	33	30	28	25	20	16	12	
CGHMB1506M4-24D	1.1/1.5	6	25 x 25	56	51	49	45	42	37	31	24	19	



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



Features And Specifications

- Self-Priming up to 7.5 meter.
- Powder coated motor body.
- Inbuilt pressure switch and controller.
- Y Brass strainer provided with pumps to avoid entry of small particles.
- Supply 1Ph 220V, 50Hz, 2800RPM

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



100% Copper Winding



Rust Free CED Coated



8.8 Grade Hardwares



F Class Insulation



High Grade Mechanical Seal



TOP Overload Protection

Accessories included



Construction Detail

Component	Material
Motor Body	Aluminium extruded
Volute, Adapter	Cast Iron FG200
Impeller & Y Strainer	Brass
Shaft	Stainless Steel 410

Recommended Usage

Model	Pressure tank	Pre Charge Pressure	Pump Cut ON pressure	Pressure setting range	Liquid temperature	No of Taps / Outlet
CGDMM0571FHD	1.5 Litre	1.1 bar	1.2 bar	1.2-2.4 bar	Max 60 °C	1
CGDMM10FHD	1.5 Litre	1.1 bar	2.4 bar	2.4-3.8 bar	Max 60 °C	2

Product Performance

Model	Frame	Power		Pipe Size mm	Head In Meter											
		kW	HP		6	9	12	15	18	21	24	27	30	34	36	39
Discharge in Litre Per Hour																
CGDMM0571FHD	71	0.37	0.5	25x25	1900	1750	1550	1300	1050	750	400					
CGDMM10FHD	71	0.75	1	25x25	2650	2600	2500	2400	2250	2100	1900	1750	1550	1300	1150	1000

Inline Pressure Booster Pump

CGIPB



Features And Specifications

- Aluminium PDC motor body for rigid & better motor cooling
- High energy efficiency & suitable for cold and hot water
- Supply 1Ph 220V, 50Hz
- Liquid – Clear cold and hot water

Features



100% Copper Winding



Rust Free CED Coated CI Parts



Silent Operation



Plug and Play

Application



Cold/Hot Water Bathtub



Washing Machine Inlet Supply



Solar Panels Cleaning



Hand/Dish Washer



High Pressure Water



Chiller & Cooler Application



Vegetable Washer



Constant Dosing Application



CNC/VMC Machine Coolant Circulation



Hydroponic/Roof Top Farms

Technical Data

Particular	CGIPB120	CGIPB260	Particular	CGIPB120	CGIPB260
Power (W)	120	260	Liquid temp	+2 to +95 deg	+2 to +95 deg
Pipe size (mm)	20X20	25x25	Motor type	Induction	Induction
Head max (mtr)	9	13	Operation Mode	Manual / Auto	Manual /auto
Qmax (LPM)	25	55	Pump housing	Cast Iron	Cast Iron
Current (Amps)	0.5	1.4	Flow Switch	Integrated	Integrated
Capacitor Value	3µF	6µF			

Performance Table

Model No	Power (W)	HP	Pipe Size(mm)	Performance chart										
				Disch (LPM)	0	5	10	15	20	25	30	40	50	55
CGIPB120	120	0.16	20 x 20	Head (Mtr)	9	8	7	6	4	2				
				Disch (LPM)	0	5	10	20	30	40	50	55		
CGIPB260	260	0.35	25 x 25	Head (Mtr)	13	12.5	12	11	10	8	6	5		
				Disch (LPM)	0	5	10	20	30	40	50	55		

Automatic Pump Controller



Technical Data

Particular	PSV-15	PSVi-15
Pipe Size	25x25	25x25
Rated Voltage	220-240V,1Ph	220-240V,1Ph
Max Current	10A (upto 1.5Hp)	10A (upto 1.5Hp)
Frequency	50/60Hz	50/60Hz
Dry Run Protection	Yes	Yes
Maximum pressure	10 Bar	10 Bar
Starting Pressure	1.5 Bar	1.5 Bar
Operating Temperature	0-60 Deg	0-60 Deg
IP Rating	IP 65	IP 65
Special Feature	--	"AI" Powered *

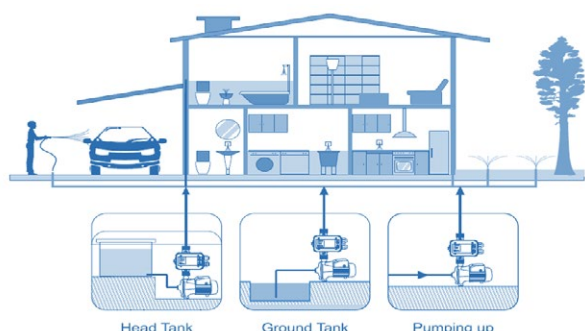
* The "PSV & PSVi" controller is attached to the water pump, and when tap is opened the pump starts and when it is closed the pump stops. The "PSVi", it is programmed with artificial intelligence that starts the pump when there is no water in every 15min, if there is still no water then after every 1hr, and still if there is no water then after every 24hr. Hence the controller prevents rust free and ensures jam free operation.

Product Can be used on : Mini, Shallowell, (up to 1.5hp range only)

Applications

Domestic					
	Cold/Hot Water Bathtub	Vegetable Washer	Hydroponic/Roof Top Farms	Hand/Dish Washer	High Pressure Water
Commercial & Industrial					
	Washing Machine Inlet Supply	RO Plant	Dosing Application	Solar Panels Cleaning	Car Washer

Domestic application installation drawing



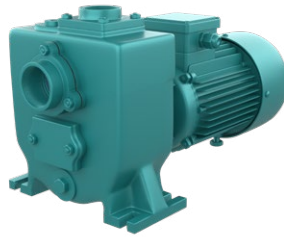
Self Priming De-Watering Pump

CGDP

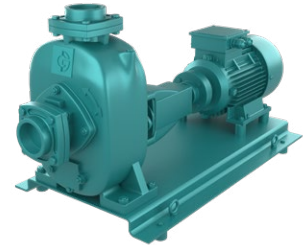
Bare Pump



Monobloc Pump set



Coupled Pump Set



Designed for High Efficiency Performance



Robust Construction



Dynamically Balanced Impellers



Anti-Rust Coated Hydraulic Parts



Easy Maintenance

Applications

- Transferring muddy water.
- Flood water dewatering,
- Waste food (hotel industries) & sludge waste handling,
- Septic system dewatering,
- Railway drainage,
- Mining industry dewatering,
- ETP & STP Plant,
- Cooling tower application,
- Surface irrigation,
- Transferring canal water & aquaculture,
- Construction & Road work dewatering.
- Marin Application.

Features And Specifications

- Self priming dewatering pump.
- Open type impeller design for handling of solid particles.
- High Quality Mechanical seal/gland package used for long life.
- Robust Construction.
- Cast Iron Motor Body.
- Designed for High efficiency performance.
- Easy maintenance and spares availability.
- Dynamically balanced impeller used.
- Wide voltage band 180–240V (1PH) & 350–440V (3PH).

Note: pumps are suitable for handling non corrosive liquids having temperature up to 60°C.



Self Priming De-Watering Pump

CGDP

Maintenance Time Table

Monthly

- Priming time
- Pump noise
- All pipe connections

Six Monthly

- Open the pump, check and clean interior parts

Yearly

- Remove impeller, replace if vanes are worn out severely. Clearance between impeller face and wearing plate N.D.E. should be in the range of 0.45 to 0.55 mm
- Replace shaft sleeve if worn out
- Replace gland packing if worn out
- Replace wear plates if worn out

Construction:

- Cast Iron FG200: Casing, Flanges, Motor Body, Impeller, Impeller ring
- SS410: Shaft, Shaft Sleeve.
- Motor Winding: Copper.

Product Performance

Model	Power (Recommended)		Speed (rpm)	Sealing Type	Pipe Size	Head in Meters								
	kW	HP				10	12	14	16	18	20	22	24	26
CGDP10S-BG	7.5	10	1450	Gland Pack	100 X 100	2000	1900	1800	1650	1500	1300	1050	750	
CGDP12S-BG	9.3	12.5	1450	Gland Pack	100 X 100	2400	2300	2150	2000	1800	1600	1350	1100	
CGDP20W-BG	15	20	1450	Gland Pack	150 X 150	4000	3800	3550	3200	2850	2400	1950	1400	
CGDP25W-BG	18.7	25	1450	Gland Pack	150 X 150	4300	4150	4000	3800	3500	3100	2700	2100	1400

Dewatering Monobloc Product Performance

Model	Power		Speed (rpm)	Sealing Type	Pipe Size	Head in Meters								
	kW	HP				6	8	10	12	14	16	18	20	
														Discharge in LPM
CGDP005J-MM-1P	0.37	0.5	2850	Mech Seal	40 X 40	200	140	110	60					
CGDP005J-MM	0.37	0.5	2850	Mech Seal	40 X 40	200	140	110	60					
CGDP01J-MM-1P*	0.75	1	2850	Mech Seal	40 X 40			340	300	230	150			
CGDP01J-MM	0.75	1	2850	Mech Seal	40 X 40			340	300	230	150			
CGDP02M-MM-1P*	1.5	2	2850	Mech Seal	50 X 50			430	330	240	120			
CGDP02M-MM	1.5	2	2850	Mech Seal	50 X 50			430	330	240	120			
CGDP03M-MM	2.2	3	2850	Mech Seal	50 X 50				500	400	280	140		
CGDP05Q-MM	3.7	5	1450	Mech Seal	80 X 80		1100	1000	900	750	560	400	200	

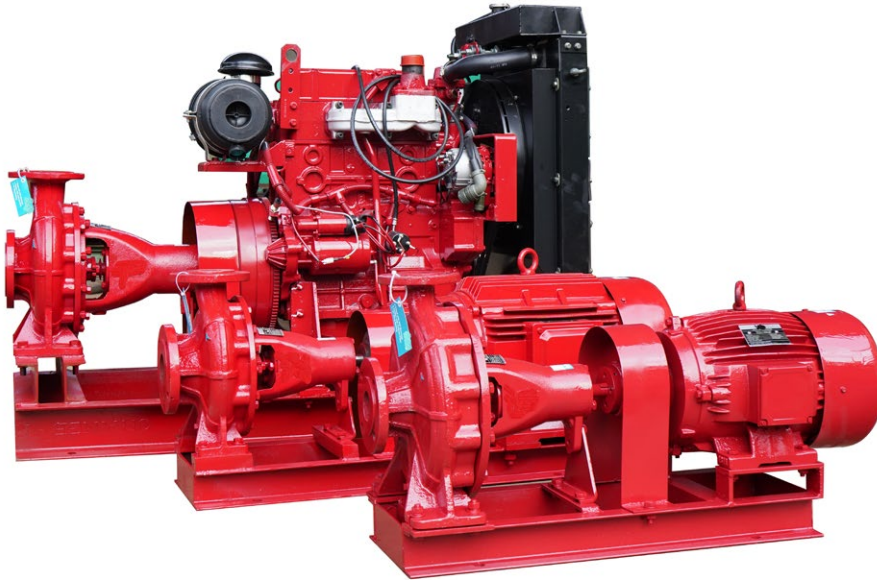
*Single Phase Pumps

Coupled Pumpsets available on demand.

End Suction Pump

CGEP

End Suction & Firefighting Pump



End Suction Pump



Coupled Pumpset Electric Driven



Coupled Pumpset Diesel Driven



Applications

- Fire fighting pumps* for Commercial buildings like multistory apartments, hospitals, malls, Warehouse, Industries, Govt buildings & Schools etc..
- Fire prone manufacturing industries
- Air conditioning plants & Power Stations.
- Mine water lift & Large Irrigation.
- Sprinkler Systems.
- Ports & shipyards
- Chemical, Refinery, Paper, Food & Sugar Industries.

Design

- Standard as per DIN 24255 (10bar pressure)
- Suction and delivery flanges as per DIN 2533 (PN16)
- Back pull out, End Suction with top discharge outlet
- Single stage pumps
- Gland packing/ Mechanical seal
- Dynamically balanced Impeller as per ISO 1940-1,
- IS 21940-216
- Grease lubricated antifriction Bearing
- Stainless Steel Sleeve to protect shaft from wear out.




Product Features

- Hydraulic parts with “Rust preventive/Anticorrosive Coating”
- Excellent sealing with high durability O-Ring used
- Maximum Bearing to Bearing span for higher durability

Product Specifications

- Flow up to 250 m³/hr
- Head up to 150 meter
- Temperature – 20° to 120°
- Delivery size : 32 to 125mm
- Normal Mechanical Seal (SiC Vs SiC with Viton Bellow) up to 90° & high temperature seal up to 120°

End Suction Bare Pump

CG Model	Pipe Size - Suction x Delivery (mm)	Head Range (Meter)	Discharge Range (m ³ /hr)	Max Power (kW/HP)
CGEP32160	50X32	40-18	5-28	5.5/7.5
CGEP32200	50X32	61-20	5-25	7.5/10
CGEP32260	50X32	95-40	10-30	18.5/25
CGEP50160	65X50	42-22	20-85	11/15
CGEP50200	65X50	65-25	20-85	18.5/25
CGEP50260	65X50	98-44	20-85	30/40
CGEP65200	80X65	63-30	25-150	30/40
CGEP65260	80X65	95-50	25-155	55/75
CGEP65320	80X65	38-15	15-90	15/20
CGEP80160	100X80	38-15	35-210	22/30
CGEP80200	100X80	64-25	50-250	45/60
CGEP80260	100X80	96-40	50-230	75/100
CGEP80320	100X80	150-70	50-265	125/170
CGEP100400	125X100	57-33	50-225	55/75

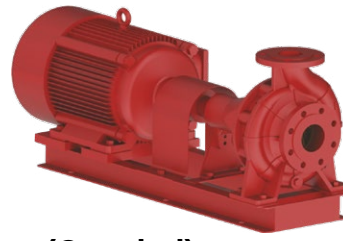
Note: Default all products are Gland Seal Packing.

* Mechanical seal packing products are available on demand in both CI and Bronze Impeller.

*120degree High temperature liquid handling seals products can be supplied on demand.

End Suction Bare Pump

MOC Code	Volute Casing	Impeller	Shaft	Shaft Sleeve	Sealing
A	GREY CAST IRON IS210 FG 260	GREY CAST IRON IS210 FG 260	Alloy Steel (AISI4140) EN19	Stainless Steel ASTM A276 TY410	Gland Packing.
B*	GREY CAST IRON IS210 FG 260	Bronze IS310 LTB 2	Alloy Steel (AISI4140) EN19	Stainless Steel ASTM A276 TY410	Gland Packing



Electric Driven Main(EDM) Hydrant / Sprinkler Pump (Coupled)

SN	HP	KW	Duty Points			Pump
			M ³ /hr	Flow(lpm)	Head(Meter)	
01	150	110	273	4550	100/120	CGEP80320
02	150	110	171	2850	130/140	CGEP80320
03	120	90	273	4550	88/90	CGEP80320
04	120	90	171	2850	120	CGEP80320
05	100	75	273	4550	70/76	CGEP80260
06	100	75	171	2850	100	CGEP80260
07	100	75	171	2850	88/90	CGEP80260
08	100	75	144	2400	100	CGEP80260
09	100	75	137	2280	120/110	CGEP80320
10	100	75	137	2280	100	CGEP80260
11	80	60	171	2850	88/90	CGEP80260
12	80	60	144	2400	100	CGEP80260
13	80	60	137	2280	100	CGEP80260
14	75	55	171	2850	70/76/80	CGEP80260
15	75	55	144	2400	88/90	CGEP80260
16	75	55	137	2280	88/90	CGEP80260
17	60	45	171	2850	70	CGEP80260
18	60	45	171	2850	56/60	CGEP80200
19	60	45	144	2400	70/76/80	CGEP80260
20	60	45	137	2280	70/76/80	CGEP65260
21	60	45	137	2280	70	CGEP65260
22	50	37	137	2280	70	CGEP65260
23	50	37	137	2280	60	CGEP80200
24	50	37	171	2850	56	CGEP80200
25	40	30	137	2280	56	CGEP65200
26	40	30	137	2280	50	CGEP65200
27	40	30	108	1800	56	CGEP65200
28	40	30	97	1620	70	CGEP50260
29	30	22	97	1620	56	CGEP65200
30	30	22	72	1200	60	CGEP50200
31	30	22	54	900	70	CGEP50260
32	20	15	97	1620	35	CGEP50200
33	20	15	72	1200	45	CGEP50200
34	20	15	54	900	56	CGEP50200
35	20	15	36	600	60	CGEP50200
36	20	15	27	450	70	CGEP32260
37	15	11	97	1620	30	CGEP50160
38	15	11	72	1200	40	CGEP50160

SN	HP	KW	Duty Points			Pump
			M ³ /hr	Flow(lpm)	Head(Meter)	
39	15	11	54	900	43	CGEP50200
40	15	11	36	600	56	CGEP50200
41	15	11	27	450	60	CGEP32200
42	12.5	9.3	54	900	40	CGEP50200
43	12.5	9.3	36	600	50	CGEP32200
44	12.5	9.3	27	450	56	CGEP32200
45	10	7.5	72	1200	26	CGEP50200
46	10	7.5	54	900	35	CGEP50200
47	10	7.5	36	600	40	CGEP50200
48	10	7.5	27	450	48	CGEP32200
49	7.5	5.5	54	900	25	CGEP50160
50	7.5	5.5	36	600	30/35	CGEP32160
51	7.5	5.5	27	450	35	CGEP32160
52	5	3.7	27	450	25	CGEP32160

Note : Option B (Bronze Impellers) available on demand.

Electric Driven Jokey (EDJ) Pumps (Coupled)

SN	HP	KW	Duty Points			Pump
			M ³ /hr	Flow(lpm)	Head(Meter)	
01	20	15	11	180	100	CGEP32260
02	15	11	11	180	88/90	CGEP32260
03	12.5	9.3	11	180	70	CGEP32260
04	10	7.5	11	180	60	CGEP32200
05	7.5	5.5	11	180	56	CGEP32200
06	5	3.7	11	180	35/40	CGEP32160

Note : option B (Bronze Impellers) available on demand.



Diesel Driven Fire (DDJ) Pump (Coupled)

SN	HP	RPM	Duty Points			Pump
			M ³ /hr	Flow(lpm)	Head(Meter)	
01	186	2300RPM	273	4550	120	CGEP100400
02	152	2300RPM	273	4550	100	CGEP100400
03	51	2300RPM	137	2280	70	CGEP65320
04	51	2300RPM	137	2280	56	CGEP80260
05	51	2300RPM	97	1620	70	CGEP65320
06	110	2300RPM	273	4550	88/90	CGEP100400
07	110	2300RPM	171	2850	120	CGEP100400
08	110	2300RPM	171	2850	100	CGEP100400
09	110	2300RPM	144	2400	120	CGEP100400
10	110	2300RPM	273	4550	70	CGEP100400
11	84	2900RPM	171	2850	76/80/90	CGEP65260
12	65	2300RPM	171	2850	60/70	CGEP80320
13	65	2300RPM	137	2280	88	CGEP80320
14	50	2600RPM	137	2280	70	CGEP65260
15	50	2600RPM	111	1850	70/80	CGEP65260
16	50	2600RPM	97	1620	88	CGEP65260
17	39	2600RPM	137	2280	56/50	CGEP65260
18	39	2600RPM	97	1620	70	CGEP65260
19	39	2600RPM	97	1620	56	CGEP65200
20	39	2600RPM	54	900	70	CGEP50260

Accessories can be supplied on demand:

- Fuel Tank.
- Battery.
- Cables.
- Lugs.
- Oil.
- Coolant.





Portable Electric High Pressure Washer Pump

CG FlowXpert



High Pressure



Portable Design



Instant Start



Plug and play



Easy Installation



Adjustable Spray Gun



Material of Construction:

Part	Sewage	Slurry	STP-M
Motor Body	Powder Coated Aluminium PDC Body	Valves & Fittings	Stainless Steel and Brass.
Adapter, End cover	High Grade Aluminium PDC	Seals & Gaskets	High Grade Soft Nitrile Rubbers.
Pump Head/casing	High Grade Aluminium PDC wwith Steel Components.	Handle	High Grade Powder Coated Mild Steel Tube.
Pump Shaft	Stainless Steel	Cover	High Grade Engineering Plastic.
Pressure Gauge	Steel Gauge with dial up to 250bar indicator.		

Technical Specifications:

Specification			
Power Rating	1800W	Product	Stainless Steel and Brass.
Voltage Range	230V, 50Hz	RPM	High Grade Soft Nitrile Rubbers.
Insulation Class	F	Inlet pipe	High Grade Powder Coated Mild Steel Tube.
Rated Pressure	120bar to 150Bar	Outlet Pipe	High Grade Engineering Plastic.
Flow Rate	10Liter per minute.	Cord	10Liter per minute.
Mounting Type	Foot in body mounted on handle.	Thermal Protection	Foot in body mounted on handle.
Recommended Fluid	Clean & Cold Water.	Suction Filter	Clean & Cold Water.

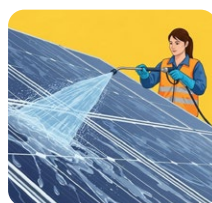
Application



Car Washing



Bike Washing



Solar Panel Washing



Roof Cleaning

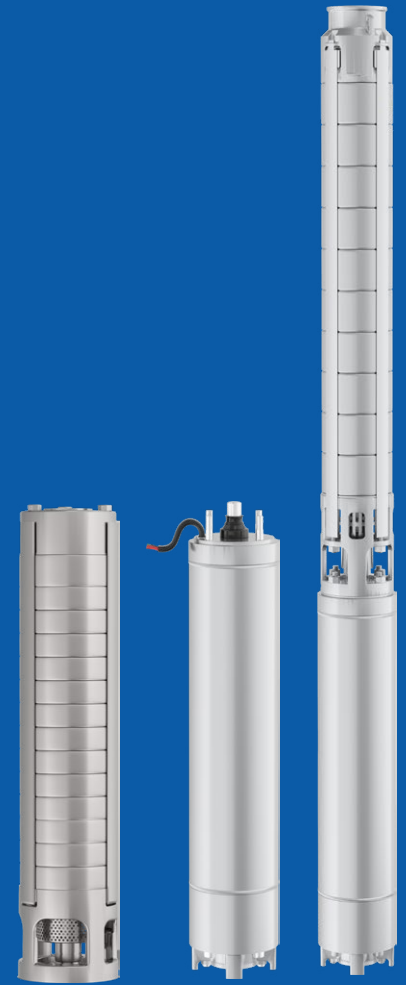


AC Duct Cleaning



Floor Cleaning

SOLAR PUMPS



Vertical Submersible Pump



Controller



Centrifugal Monoblock
SMB Series



Centrifugal Solar Monobloc Pumps

CG SMB

Product Features



Save Electricity



Remote, Grid & Off Grid Usability



Anti-Rust Coated Impellers



Retrofit Interchangeability Mounting.



Sturdy & Strong Built



Copper Wound Induction Motors.



Features And Specifications

- High Quality Mechanical seal used for long life.
- Robust Construction.
- Copper Winding.
- Designed for High efficiency water lifting.
- 'F' class insulation

Applications

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

Material of Construction

Parts	Specification	Parts	Specification
Volute Casing	Cast Iron FG 200	Adaptor	Cast Iron FG 200
Flange	Cast Iron FG 200	Flange	Cast Iron FG 200
Motor Body	Cast Iron FG 200	Impeller	Cast Iron FG 200
Shaft	SS 410	Fan Cover	Powder Coated MS
End Cover	Cast Iron FG 200	Winding	Copper

Performance

Catref	Model	Frame	POWER		Phase	Pipe Size (Suction X Delivery) (mm)	Duty Head(m)	Head (mtr)	Discharge (LPD)
			kW	HP					
SMBGAA02S	AC, 96V	90	1.5	2	3 PH	100 X 100	9	6-12	280000
SMBGAA03S	AC, 160V	90	2.2	3	3 PH	100 X 100	12	6-16	350000
SMBGAA05S	AC, 260V	90	3.7	5	3 PH	100 X 100	14	6-18	420000
SMBGAA05112S*	AC,260V	112*	3.7	5	3 PH	100 x 100	10	6-16	522000

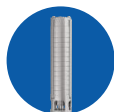
*Product can be operated on Grid as well as Solar.



Submersible Solar Pumps

S4/S6

Save Electricity

Remote & Off Grid Usability

Stainless Steel Product

Retrofit Interchangeability Mounting.

Sturdy & Strong Built

Copper Wound Induction Motors.

Features

- Motors are in Smaller Size, lighter weight gives longer service life, higher efficiency.
- Wider speed range (0-3600rpm).
- Permanent Magnet Synchronous Motor give more output @ +25% to 35% .
- Can be used in AC & DC supply through Drive.
- With the technology of DC to AC

Applications

- Agricultural Irrigation: Solar pumps provide water for crop irrigation in off-grid areas.
- Drinking Water Supply: They ensure clean water access in remote regions.
- Livestock Watering: Solar pumps serve as reliable water sources for animals.
- Fish Farming: Pumps maintain water levels in fish ponds.
- Gardening and Landscaping: Ideal for maintaining green spaces.
- Community Water Projects: Solar pumps support community water supply initiatives.
- Small-Scale Industries: Used for processes requiring water.
- Fountains and Decorative Water Features: Solar pumps create beautiful displays.
- Emergency Water Supply: Vital during disasters or emergencies.
- Off-Grid Homes: Solar pumps provide water for off-grid households.



Material of Construction:

Part	Specification	Parts	Specification
Bowl/Diffuser/Impeller	Stainless Steel 304	Winding	Copper
Pump Shaft	Stainless Steel 431	Stamping	CNRO-High Grade electrical stamping
Delivery Casing	Stainless Steel 304	Upper & Lower Housing	Stainless Steel 304
Motor Body	Stainless Steel 304	Bush	LTB-4
Rotor shaft	Stainless Steel 431	Motor Base	Stainless Steel 304

Technical Specifications:

Parameters	PMSM Motor	Induction Motor
Operating Voltage Range	50% to 110% of rated voltage (wide range)	90% to 110% of rated voltage (narrow range)
Current Require for same Load	Less due to high voltage and vector control	High due to less efficiency
Pump Motor	Permanent magnet synchronous motor	AC Single / Three Phase asynchronous motor
Motor Efficiency	83 to 92%	Single Phase = 63%, Three Phase = 75%
Good Performance Zone	Wide, 50% to 125% of rated load	Narrow, 90% to 110% of rated load
Overload Capacity	150%	120%
Torque Ripple	Less	Less
Volume	20% to 50% Smaller	Larger
Weight	20% to 50% Lighter	Heavier
Functionally	Multi-functional and automatic	Unitary



Submersible Solar Pumps

S4/S6

Product Performance

Model	Type	POWER (kW)	POWER (HP)	Phase	Delivery size (mm)	Head range (M)	Duty head (m)	Discharge (LPD)	PV Array capacity
S33OPD01S-030F	Oil Filled	0.75	1	3 PH	32	10-50	30	30000	1000
S44OPD01N-060F	Oil Filled	0.75	1	3 PH	32	30-70	60	10000	900
S44OPD01S-090F	Oil Filled	0.75	1	3 PH	32	60-105	90	5000	900
S44WPD02S-030M	Water filled	1.5	2	3 PH	50	20-40	30	68400	1800
S44OPD02S-030L	Oil Filled	1.5	2	3 PH	50	20-40	30	68400	1800
S64WPD03S-030L	Water filled	2.2	3	3 PH	65	20-40	30	114000	3000
S84OPD03S-030L	Oil Filled	2.2	3	3 PH	65	20-40	30	114000	3000
S44WCA03S-050M	Water filled	2.2	3	3 PH	50	30-80	50	69000	3000
S44OPD03S-050M	Oil Filled	2.2	3	3 PH	50	30-80	50	69000	3000
S44WPD03S-070M	Water filled	2.2	3	3 PH	50	50-80	70	45000	3000
S44OPD03S-070M	Oil Filled	2.2	3	3 PH	50	50-80	70	45000	3000
S44WCA03S-070M	Water filled	2.2	3	3 PH	50	50-80	70	42000	3000
S64OPD05S-030Q	Oil Filled	3.7	5	3 PH	80	20-40	30	182400	4800
S64WPD05S-050L	Water filled	3.7	5	3 PH	65	30-80	50	110400	4800
S64OPD05S-050L	Oil Filled	3.7	5	3 PH	65	30-80	50	110400	4800
S64WPD05S-070M	Water filled	3.7	5	3 PH	50	50-80	70	72000	4800
S44WPD05S-100M	Water filled	3.7	5	3 PH	50	70-120	100	50400	4800
S44OPD05S-100M	Oil Filled	3.7	5	3 PH	50	70-120	100	50400	4800
S44WCA05S-100M	Water filled	3.7	5	3 PH	50	70-120	100	43200	4800
S84WPD75S-050L	Water filled	5.5	7.5	3 PH	65	30-70	50	155250	6750
S44WPD75S-070L	Water filled	5.5	7.5	3 PH	65	50-80	70	101250	6750
S44WPD75S-100M	Water filled	5.5	7.5	3 PH	50	70-120	100	70875	6750
S44OPD75S-100M	Oil Filled	5.5	7.5	3 PH	50	70-120	100	70875	6750
S44WCA75S-100M	Water filled	5.5	7.5	3 PH	50	70-120	100	60750	6750
S64WPD10S-050Q	Water filled	7.5	10	3 PH	80	30-60	50	207000	9000
S64WPD10S-070Q	Water filled	7.5	10	3 PH	80	50-80	70	135000	9000
S64WPD10S-100L	Water filled	7.5	10	3 PH	65	70-120	100	94500	9000
S64OPD10S-100L	Oil Filled	7.5	10	3 PH	65	70-120	100	94500	9000
S64WCA10S-100L	Water filled	7.5	10	3 PH	65	70-120	100	81000	9000

Controller Drive Functions

R M S Records operational data and provides remote access via mobile or computer.

MPPT Technology maximum solar power point tracking will adjust work speed automatically.

Smart Power Output Motor uses solar radiation to maximize power and water output.

On/Off It also offers automatic on/off function

Smart Protection Pump auto-stops during dry run or overload for safety and efficiency.

New Design Smart/ Intelligent controller Drive.

Power Safety Guards against voltage issues, single phasing, overcurrent, and overload



Know Your Service Policy (KYSP)

KYSP OBJECTIVE: This document is issued for better clarity on service policy and better response to Customer Complaints of CPD (Consumer Products Division).

CG Pump is committed to offer high quality product to consumers. We make every effort to offer defect free product to customers. However due to any unforeseen situations if customer faces any product related issues and needs service support from CG authorised facility then within the scope of service policy help will be provided to customer.

Note: **This document will not supersede service policy.** This is only for better clarity of service policy with conditions (For detailed service document refer latest CG service policy/CPD/2021-22).

Request every POS (Point of sale) holder to show this KYSP to customer.

A. At the time of Purchase;

1. Customer to ensure right product requirements are given to seller.
2. Seller has to seek and understand the customer requirement and select the right product.
3. Seller is encouraged to give tax paid invoice with serial number, duly filled warranty card.
4. Seller is encouraged to guide for installation and update customer with KYSP.
5. Customer to ensure completeness/damage free product by verifying same in person.
6. Customer to ensure all documents like warranty card duly filled, stamped with date and sign, Bill with serial number etc.
7. Customer to ensure care full handling of product till destination.
8. We recommend authorised/technical person to install the product with all safety norms.

B. Post Sales Service;

Definitions

Warranty: CG promises to provide after sales service support as per product warranty card terms and Conditions.

Replacement: As per and within scope of product warranty card terms and conditions, only in case of Manufacturing Defect Product will be replaced with duly verification of defect by Service Manager and with all valid documentation.

This does not cover consumables or parts of limited regular functionality due to their natural wear and tear.

Manufacturing Defect: A manufacturing defect is a technical flaw that arises during the warranty period and stops a device/Product from being fully functional.

Note: This does not cover consumables or parts of limited regular functionality due to their natural wear and tear.

Non-Manufacturing Defect: Non-manufacturing defect (Not a Product Defect or causes function of product) is arises due to errors in selection, Installation, application, natural wear & tear, handling damages, voltage/supply fluctuations, foreign partials entry, natural

C. All complaints shall be registered through **CG TOLL FREE NO.1800 267 0505** or Portal -www.cgglobal.com

1. While registering complaint customer advised to keep ready, Name & Address, Product serial number, Invoice no & date, retailer/dealer Name & address, photo copy of warranty card & Bill.
2. Customer advised to guide Authorise Service Center (ASC) technician for safe reach at site and return back.
3. Customer advised to Co-operate and understand what ASC technician's remark upon inspection
4. Customer advised not to tamper/alter name plate and documents which will void warranty terms
5. If product is other than CG product customer has to pay visit charges & repairing charges.
6. If product is out of warranty, visit and service will be on chargeable basis.

D. Product Defects repaired at site:

1. Authorise Service Center (ASC) advised to fill up complete FIR report in detail, recommended site photos.
2. ASC to verify all original documents, sign & stamp on warranty card, invoice as a proof of service provided and retain photo copy.
3. Make aware customer to safety and preventive measures of products.
4. ASC shall use CG genuine spares only.
5. Defective spare will be collected and preserve for defect analysis by ASC.
6. For workshop repair customer to carry product to ASC workshop.

E. In case Replacement:

1. Points as per clause D 1 to 3.
2. *Replacement tag 1st part to be pasted on product with complete details and second part on FIR report.
*(*under consideration and trials)*
3. Customer/Dealer has to submit complete pump set with all accessories *(like flanges, cable, panel, warranty card, switches, blades, frames, tanks, and floats as applicable)* otherwise claim will be rejected.
4. Dealer has to retain both (new and old) warranty cards as one time replacement is being done.
5. Service managers need to ensure & duly verify defective for replacement and take required approvals for replacement.
6. Customer/dealer will carry product to dealer end or warehouse.
7. At warehouse C&F has to verify completeness of product with original FIR copy, Approval and all accessories *(like flanges, cable, panel, warranty card, switches, blades, frames, tanks, and floats as applicable)* in absence of anything claim will be rejected.



Other CG Consumer Products



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Manufacturing Unit: CG Power and Industrial Solutions Limited

Commercial Motors Division, Plot No: 196-198, Kundaim industrial Estate, Ponda 403 115, Goa, India.
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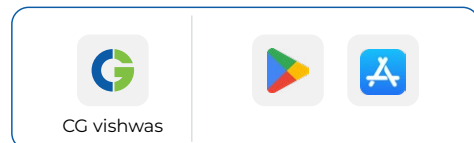


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