



Smart solutions.
Strong relationships.



Pumping Prosperity with CG Pumps.

Residential • Agriculture • Speciality Pumps • Panels & Starters



CG Pumps Explorer

Slow Speed Self Priming Pump

CGDMB[®] CG Turbo

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

Applications

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

Features And Specifications

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



Construction Detail	CGDMB	CG Turbo
Motor Body	CRCA - MS	Cast Iron
Winding	Copper	Copper
Stamping	High Grade Electrical Stamping	High Grade Electrical Stamping
Supply	1 Ph, 220V, 50Hz	1 Ph, 220V, 50Hz
Speed (RPM)	1425	1425
Pump Casing	Cast Iron (CED Coated)	Cast Iron (CED Coated)
Impeller	HTB - 1	HTB - 1
Shaft	Stainless Steel	Stainless Steel

Cat ref	Frame	Power		Pipe size	Head in Meters													
					6	10	16	20	22	25	30	35	38	42				
		kW	HP	mm	Discharge in Litre per Hour													
CGDMB05DX	B56*	0.37	0.5	25 X 25	2400	2000	1350	600(21m)										
CGDMB10DX	B56*	0.75	1	25 X 25			3000	2700	2500	2200	1700	1200	900	500				
CGDMB10DT	B56*	0.75	1	25 X 25			3000	2700	2500	2200	1700	1200	900	500				
CGTURBO0580	80	0.37	0.5	25 X 25	3300	2900	2300	1850	1650	1400								
CGTURBO051C	90	0.37	0.5	25 X 25	3300	2900	2400	1900	1700	1200								
CGTURBO052C	80	0.37	0.5	25 X 25	3100	2700	2000	1600	1300	900								
CGTURBO102C	90	0.75	1	25 X 25	3800	3500	3000	2600	2400	2200	1600	1100	800					
CGTURBO1090	90	0.75	1	25 X 25	3800	3500	3000	2600	2400	2200	1600	1100	800					

*NEMA Frame

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

Applications

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

Features And Specifications

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



Cat ref	Frame	POWER		Pipe Size	Total Head in Meters										
		kW	HP		mm	10	15	20	25	30	32	34	36	38	40
				Discharge in Litre Per Hour											
CGDSW050C	71	0.37	0.5	25 X 25	3100	3000	2400	1600	800	430					
CGDSW050S	71	0.37	0.5	25 X 25	3100	3000	2400	1600	800	430					
CGDSW100C	71	0.75	1	25 X 25			3000	2700	2100	1800	1450	1100	700		
CGDSW100S	71	0.75	1	25 X 25			3000	2700	2100	1800	1450	1100	700		
CGDSW1080C	80	0.75	1	25 X 25			3400	2900	2200	1900	1600	1300	1000	700	

Cat ref	Frame	POWER		Pipe Size	Total Head in Meters										
		kW	HP		mm	10	15	20	25	30	32	34	36	38	40
				Discharge in Litre Per Hour											
CGDSW050CN	71	0.37	0.5	25 X 25	3100	3000	2400	1600	800	430					
CGDSW050SN	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		
CGDSW100CP*	71	0.75	1	25 X 25			2500	2100	1250	850	500				
CGDSW100SN	71	0.75	1	25 X 25			3000	2700	2100	1800	1450	1100	700		
CGDSW1080CP*	80	0.75	1	25 X 25			2800	2700	2500	2250	2000	1800	1500	1000	

*Few models are available in Aluminum winding also

High Speed Self Priming Pumps



Applications

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

Features And Specifications

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

Construction Detail	
Motor Body	Aluminium Extrusion / Pressure Die Casting / Cast Iron
Pump Casing	Cast Iron
Adaptor	Cast Iron
Impeller	Forged Brass
Shaft	Stainless Steel
Winding	Copper*
Stamping	High Grade Electrical Stamping
Mechanical Seal	Carbon vs Ceramic
Supply	1Ph, 220V, 50Hz
Speed	2850 RPM

Model	Cat Ref	Frame	Power		Pipe Size	Head In Meters														
			kW	HP		3	6	9	12	15	18	22	26	30	34	40	45	48	55	
			mm	Discharge in Litre Per Hour																
MiniEMPIRE-II*	CGDMM05ME/DV*	71	0.37	0.50	25x25	2400	2100	1900	1650	1400	1100	700	500 (24mtr)							
MiniEMPIRE-I*	CGDMM10ME/DV*		0.75	1.00	25x25	3100	2900	2700	2500	2300	2100	1800	1450	1050	750	500 (36mtr)				
MiniSUPREME-II	CGDMM05SP	71	0.37	0.50	25x25	2400	2100	1900	1650	1400	1100	700	500 (24mtr)							
MiniSUPREME-I	CGDMM10SP		0.75	1.00	25x25	3100	2900	2700	2500	2300	2100	1800	1450	1050	750	500 (36mtr)				
MiniMAJOR-II	CGDMM05MJ	71	0.37	0.50	25x25	2400	2100	1900	1650	1400	1100	700	500 (24mtr)							
MiniMAJOR-I	CGDMM10MJ		0.75	1.00	25x25	3100	2900	2700	2500	2300	2100	1800	1450	1050	750	500 (36mtr)				
MiniSERGEANT-II	CGDMM05MS/DS/DV	71	0.37	0.50	25x25		2000	1800	1550	1300	1000	500								
MiniSERGEANT-I	CGDMM10MS/DS/DV		0.75	1.00	25x25		2800	2600	2400	2200	2000	1700	1400	1000	750					
MiniHEAD-II	CGDMM05MH	71	0.37	0.50	25x25		2250	2000	1800	1600	1400	1000	600	450 (28m)						
MiniHEAD-I	CGDMM10MH		0.75	1.00	25x25		3500	3300	3100	2900	2700	2400	2100	1700	1300	800				
MiniMAESTRO-II	CGDMM05MM	71	0.37	0.50	25x25		2600	2400	2200	2000	1700	1300	1000	600						
MiniMAESTRO-I	CGDMM10MM	80	0.75	1.00	25x25		4000	3800	3600	3400	3200	3000	2800	2500	2200	1700	1200	950 48(mtr)		
MiniMARSHAL-II	CGDMM05ML	71	0.37	0.50	25x25		2800	2600	2300	2000	1700	1300	1000	600						
MiniMARSHAL-I	CGDMM10ML	80	0.75	1.00	25x25		4300	4150	4000	3850	3700	3350	3100	2800	2500	2100	1600	1200	700	
MiniBHIM-II	CGDMM05BH	63	0.37	0.50	25x25		2000	1800	1550	1300	1000	500								
MiniBHIM-II Plus	CGDMM05BHPLUS	71	0.37	0.50	25x25		2500	2200	1900	1600	1300	900	500							
MiniBHIM-I	CGDMM10BH		0.75	1.00	25x25		2800	2600	2400	2200	2000	1700	1400	1100	750					
MiniMARSHAL-II(3Ph)	CGDMM05MLT	71	0.37	0.50	25x25		2800	2600	2300	2000	1700	1300	1000	600						
MiniMARSHAL-I (3Ph)	CGDMM10MLT	80	0.75	1.00	25x25		4300	4150	4000	3850	3700	3350	3100	2800	2500	2100	1600	1200	700	
MiniXTREME	CGDMM15XT	80	1.1	1.50	25x25							4000	3800	3500	3200	2900	2500	2200	1800	

Aluminium Extrusion - MiniEMPIRE, MiniMAJOR, MiniSERGEANT, MiniSUPREME & Mini HEAD
 Aluminium PDC - MiniMARSHAL (1 & 3Ph) & CGXtreme, MiniMAESTRO, Cast Iron - MiniBHIM

*Few models are available in Aluminum winding also



High Speed Super Suction Self Priming Pumps

CGmaxGOLD[®] CGmaxVEE[®]

Applications

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

Features And Specifications

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



Construction Detail	CGmaxVEE	CGmaxGOLD
Motor Body	Cast Iron / Aluminium PDC	Aluminium PDC
Stamping	High Grade Electrical Stamping	High Grade Electrical Stamping
Supply	1 Ph 180v - 240v, 50Hz	1 Ph 180v - 240v, 50Hz
Pump Casing	Cast Iron (V - Type) CED Coated	Cast Iron (CED Coated)
Impeller	LTB 2	LTB 2
Shaft	Stainless Steel	Stainless Steel

Cat ref	Frame	Power		Pipe size mm	Head in Meters									
		kW	HP		6	10	15	20	25	27	30	36	40	45
				Discharge in Litre per Hour										
CGDSS05MG-M32	71	0.37	0.5	15 X 15	1700	1500	1200	900	600	500	200			
CGDSS10MG-K38	71	0.75	1	25 X 25	2200	2000	1800	1500	1250	1100	900	350		
CGDSS05MV	71	0.37	0.5	25 X 25	2550	2200	1700	1300	800	500	360			
CGDSS10MV	80	0.75	1	25 X 25	2400	2200	2000	1800	1600	1400	1200	1000	360	
CGDSS10MV-CI	80	0.75	1	25 X 25	2700	2650	2500	2350	2100	2000	1800	1300	900	450
CGDSS10MV-AP	80	0.75	1	25 X 25	2700	2650	2500	2350	2100	2000	1800	1300	900	450



Application

- 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

Product Features:



Plug and Play



Easy to install
Do it Your self (DIY)



High pressure water



Energy efficient



Rust preventive
guard coating



In build overload
Protection



Control Panel Not required



Double seal protection



Noise proof



Range : 0.5 & 1HP
Head : Upto 28mtr
Discharge : 4000LPH

Material of construction

Part Name	Material
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	Enamelled copper
Hardware's	Stainless Steel

Performance Chart

Model No	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	1.0	25 X 25	4000	3500	3000	2600	2100	1700	1200	900	600	

Applications

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

Features And Specifications

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



Construction Detail	
Pump Volute Casing	Cast Iron
Impeller	Cast Iron
Motor Body	Cast Iron
Mounting Foot Frame	MS
Pump Adaptor & End cover	Cast Iron
Bush Bearing	LTB 4
Thrust Bearing	Sintered Carbon + SS
Shaft	Stainless Steel
Rotor Type	Copper
Winding Wire	PVC Insulated Copper

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

Cat Ref	Power		Pipe Size (mm)	Discharge in LPM														
	kW	Hp		240	300	360	420	480	540	600	660	720	780	840	900	960	1020	
				Head in meters														
CGAOW03KA	2.2	3.0	50 x 40	29	28	26.5	25	22.5	19	15								
CGAOW03NA	2.2	3.0	65 x 50	27	26	25	23.5	21	19	16.5	14							
CGAOW05NA	3.7	5.0	65 x 50		36	35	33	31	28	25	22	19	15					
CGAOW05PA	3.7	5.0	80 x 65						26	25	24	23	21.5	20	18	16	14	

Centrifugal Mono Block Pump Set

CGXMB[®]-G



Applications

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

Features And Specifications

- Robust Construction
- Cast Iron Motor Body / Aluminum Extrusion
- TEFC Motor with Class / F Insulation
- High quality mechanical seal for long life.
- Fitted with Thermal Overload Protector (1Ph Only).
- Wide voltage band
 - Standard 1Ph : 160V-260V
 - LV : 120V-220V
 - 3Ph : 350V-440V
- Liquid - Clear and Cold Water

Construction Detail

Construction Detail	
Motor Body	Cast Iron
Volute Casing	Cast Iron
End Cover	Cast Iron
Adaptor	Cast Iron
Flange	Cast Iron
Shaft	Stainless Steel
Impeller	Cast Iron
Sealing Type	Mechanical Seal
Stamping	High Grade Electrical Stamping
Winding	Copper

Cast Iron Motor Body XMB Pumps

Cat ref	Frame	Power		Pipe size	Head in Meters														
					6	8	9	10	12	14	16	18	20	22	24	26	28	30	
		kW	HP	mm	Discharge in Litre per Hour														
CGXMBG1080M	80	0.75	1	50 X 50	26000	24000	22500	21500	18000	9000									
CGXMBG1080M-ES	80	0.75	1	50 X 50	26000	24000	22500	21500	18000	9000									
CGXMBG1580Q	80	1.1	1.5	80 x 80	48000(5m)	42000	39000	35000	20000										
CGXMBG1580Q-LV	80	1.1	1.5	80 x 80	45000(5m)	41000	38000	34000	20000										
CGXMBG1580Q-DPL-ES	80	1.1	1.5	80 x 80	48000(5m)	42000	39000	35000	20000										
CGXMBG2090K	90	1.5	2	50 X 40				23100	22500	22000	21500	21000	20000	18500	16500	14500	12000	10000	
CGXMBG2090N	90	1.5	2	65 X 50				30000	29000	25500	20500	16000	6000						
CGXMBG2090N-LV	90	1.5	2	65 X 50				30000	29000	25500	20500	16000	6000						
CGXMBG2090P-DPL-ES	90	1.5	2	80 X 65	54000	48000	43800	39000	27000										
CGXMBG2090Q	90	1.5	2	80 X 80	54000	48000	43800	39000	27000										
CGXMBG2090Q-DP	90	1.5	2	80 X 80	54000	48000	43800	39000	27000										
CGXMBG2090Q-LV	90	1.5	2	80 X 80	54000	48000	43800	39000	27000										
CGXMBG2090Q-WV	90	1.5	2	80 X 80	54000	48000	43800	39000	27000										
CGXMBG2090Q-DPL/ES	90	1.5	2	80 X 80	54000	48000	43800	39000	27000										
CGXMBG3090Q	90	2.2	3	80 X 80	60000	57000	54000	52200	47000	41000	34000	15000							
CGXMBG3090Q-DP	90	2.2	3	80 X 80	60000	57000	54000	52200	47000	41000	34000	15000							
CGXMBG3090S	90	2.2	3	100 X 100	64000	57000	53000	50000	42000	34000	30000(15m)								
CGXMBG3090S-DP	90	2.2	3	100 X 100	64000	57000	53000	50000	42000	34000	30000(15m)								

3Ph Pump - Centrifugal Monobloc pumps

Cat ref	Frame	Power		Pipe size	Head in Meters										
					10	12	14	16	18	20	22	24	26	28	30
		kW	HP	mm	Discharge in Litre per Hour										
CGXMBG2090KT	90	1.5	2	50 X 40	23100	22500	22000	21500	21000	20000	18500	16500	14500	12000	10000
CGXMBG2090NT	90	1.5	2	65 X 50	30000	29000	25500	20500	16000	6000					

Centrifugal Mono Block Pump Set



Applications

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

Features And Specifications

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

Construction Detail		
Motor Body	Cast Iron	Aluminum Extrusion
Volute Casing	Cast Iron	Cast Iron FG 200
End Cover	Cast Iron	Aluminum PDC
Adaptor	Cast Iron	Cast Iron FG 200
Flange	Cast Iron	Cast Iron FG 200
Shaft	Carbon Steel (BS970)	Carbon Steel (BS970)
Impeller	Cast Iron	Noryl
Sealing Type	Mechanical Seal	Mechanical Seal
Stamping	High Grade Electrical Stamping	High Grade Electrical Stamping
Winding	Copper	Copper

Aluminium Extrusion Motor Body Pumps

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

Cast Iron Motor Body XMB Pumps

Cat Ref	Frame	Power		Pipe Size (mm) Suction x Delivery	Head in Meters				
		kW	HP		5	6	8	10	12
				Discharge in Litre per Hour					
CGXMB0571J-ES-VKP/ CGXMB0571J-VKP	71	0.37	0.5	40 X 40	16000	15500	14000	11000	5500
CGXMB0571M-ES-VKP/ CGXMB0571M-VKP	71	0.37	0.5	50 X 50	21000	19000	15000	11000	5500
CGXMB1080M-ES-VKP/ CGXMB1080M-VKP	80	0.75	1	50 X 50	-	24000	21600	18360	13500
CGXMB1080Q-ES-VKP/ CGXMB1080Q-VKP	80	0.75	1	80 X 80	40000	37000	30000	18000	-

3Ph Centrifugal Mono Block Pump Set

CGXMB[®]



Applications

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

Features And Specifications

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

Construction Details	
Motor Body	Cast Iron
Volute Casing	Cast Iron
Impeller	Cast Iron
Adaptor	Cast Iron
Flange	Cast Iron
End Cover	Cast Iron
Shaft	Stainless Steel
Sealing Type	Mechanical Seal
Stamping	High Grade Electrical Stamping
Winding	Copper

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

CG Ref	Power	Pipe Size	Discharge (LPM)											
			120	150	200	250	300	350	400	450	500	550	600	
	kW/HP	mm	Head in Meters											
CGXMB03K38	2.2/3	50 x 40	38	36	32	25	11							
CGXMB05K42	3.7/5	50 x 40		42	41	40	39	38	36	33	28	20	12	
CGXMB07K58	5.5/7.5	50 x 40					58	57	56	54	48	32		
CG Ref	Power	Pipe Size	Discharge (LPM)											
			300	400	500	600	700	800	900	1000	1100	1200	1300	
	kW/HP	mm	Head in Meters											
CGXMB03N24	2.2/3	65 x 50	24	22.5	20	17	14							
CGXMB03P18	2.2/3	80 x 65			18	17	16	14	11					
CGXMB05N34	3.7/5	65 x 50		34	28	16								
CGXMB05P26	3.7/5	80 x 65				26	25	23.5	22	20				
CGXMB07P34	5.5/7.5	80 x 65		34	33	32	30	28	25.5	22	17			
CGXMB10P40	7.5/10	80 x 65					40	39	36	29	20	12		

CG Ref	Power	Pipe Size	Discharge (LPM)									
			600	750	900	1050	1200	1350	1500	1650		
	kW/HP	mm	Head in Meters									
CGXMB05R18	3.7/5	100 x 80		18	17	16	14.5	12.5	10			

Cat ref	Frame	Power		Pipe size	Head in Meters															
		kW	HP		5	8	10	12	14	16	18	20	22	25	26	28	28	28		
				Discharge in LPM																
CGXMB03N25	100	2.2	3	65x50			550	530	480	430	380	320	270	200						
CGXMB03P20	100	2.2	3	80x65		750	700	650	600	550	500	430								
CGXMB2503S15	90	2.2	3	100 X 100	1300	1150	1000	800	450	15mtr										
CGXMB05N32	100	3.7	5	80x65						620	600	560	520	460	440	390	340	300		
CGXMB05P27	100	3.7	5	80x65				850	810	750	680	620	550	470	400 (27m)					
CGXMB2505P28	112	3.7	5	80 X 65				900 (15MTR)	880	840	780	700	610	500	300					
CGXMB2505S16	112	3.7	5	100 X 100		1500	1400	1250	1000	750										

Inline pressure booster pump.

CG IPB

Features & Specification

- High comfort noiseless auto operation
- CED Coated corrosion resistance components
- Easy installation – Plug and play
- Aluminium PDC motor body for rigid & better motor cooling
- High energy efficiency & suitable for cold and hot water
- Pump with overload protection
- Wide voltage band - 1Ph - 180 to 240V.
- Liquid - Clear cold and hot water



Applications:



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

Performance Table

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

Self Priming Pressure Booster Pumps

CG FORCEHEAD

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

Applications

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

Features & Specification :

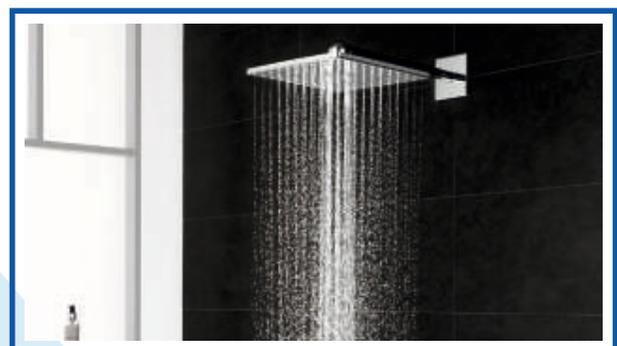
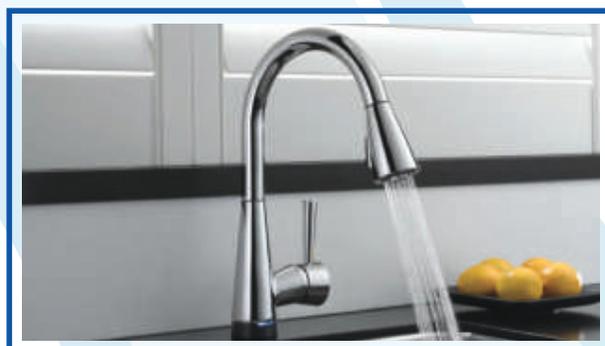
- Self-Priming up to 7.5 meter.
- CED Coated Pump Components..
- TEFC Motor With Class – F Insulation
- Powder coated motor body.
- High quality mechanical seal for long life.
- Fitted with Thermal Overload Protector.
- Inbuilt pressure switch and controller.
- Y Brass strainer provided with pumps to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



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

Model	CGDMM05FH/FHD	CGDMM10FH/FHD
Pressure Tank (capacity)	1.5 Liter	1.5 Liter
Pre charge pressure:	1.1 bar	1.1 bar
Pump Cut-on Pressure	1.2 bar	2.4 bar
Pump Cut-off Pressure	2.2 bar	3.4 bar
Liquid Temperature	Max 65°C	Max 65°C
Suitable For	1 Valve outlet	2 Valve outlet

Model Name	Cat Ref	Frame	Power		Pipe Size	Head In Meter												
			kW	HP		mm	6	9	12	15	18	21	24	27	30	34	36	38
							Discharge in Litre Per Hour											
FORCEHEAD II	CGDMM05FH	63	0.37	0.5	25x25	1900	1750	1550	1300	1050	750	400						
FORCEHEAD I	CGDMM10FH	71	0.75	1	25x25	2650	2600	2500	2400	2250	2100	1900	1750	1550	1300	1150	1000	
FORCEHEAD II	CGDMM05FHD	63	0.37	0.5	25x25	1900	1750	1550	1300	1050	750	400						
FORCEHEAD I	CGDMM10FHD	71	0.75	1	25x25	2650	2600	2500	2400	2250	2100	1900	1750	1550	1300	1150	1000	



Multi Stage Pressure Booster Pumps

CGHMB

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

Applications

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

Product Features And Specifications

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

Working method

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



Accessories Includes



Switchmatic Digital Pressure Switch



Danfoss Pressure Switch



Pressure Tank



Y-Strainer



Float Switch

CG HMB	
Construction Detail	
Adaptor	Cast iron
Outer Cover	Cast iron
End Cover	Aluminum PDC
Impeller	SS 304
Diffuser	SS 304
Rotor with Shaft	Stainless Steel + Die cast Rotor
Motor body	Aluminum Extruded with Powder Coated
Cooling Fan	Plastic - PP

CG HMB	
Construction Detail	
Cooling Fan Cover	Plastic - PPCP
Vent Plug	Brass
Stamping	High grade electrical stamping
O-ring / Gaskets	Nitrile Rubber
Pressure Tank	MS Cylindrical + EPDM Rubber Bladder
Pressure Switch	Danfoss Make# / Switchmatic Digital Switch
5Way Connector	Brass
'Y' Strainer	Brass

Applications

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

Features And Specifications

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



Part	Material of construction	
	Sewage Pump (CGSTP)	Sewage Cutter Pump (CGSTPC)
Motor Body	Stainless steel/Cast Iron*	Stainless steel
Top Cover	Cast Iron	Cast Iron
Bottom Cover	Cast Iron	Cast Iron
Cable Cover	Cast Iron	Cast Iron
Volute Casing	Cast Iron	Cast Iron
Impeller (Vortex)	Cast Iron	Cast Iron
Seal Cap	Cast Iron	Cast Iron
Flange	Cast Iron	Cast Iron
Mechanical seal	Double side silicon carbide +Carbon & Ceramic	Double side silicon carbide +Carbon & Ceramic
Stamping	High grade electrical stamping	High grade electrical stamping
Winding	Copper	Copper
O-Rings	NBR	NBR
Float Switch	0.6mtr (1Ph pump only)	0.6mtr (1Ph pump only)
Cutter	--	Stainless steel

Cat ref	Max Solid Handling Size (mm)	POWER		Delivery Pipe Size (mm)	Total Head in Meter												
		kW	HP		5	6	7	8	9	11	13	15	17	19	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			
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		

Cat ref	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	

Our product Range



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