

INTRODUCING  
MONOBLOC PUMPS



### **Product Features:**

- IE2 efficiency class compliance motor.
- IP 55 Protection Motor.
- Specially designed with mechanical seal for hot (up to 80°C) and cold-water application.
- Antirust CED coated pump critical components.
- Dynamically balanced rotating parts gives vibration free operations.
- Robust, statically Balanced construction and Special versatile mounting.
- Eco-friendly, ergonomically designed packaging for handling & usages

### **Application**

- Agriculture
- Industrial
- Commercial
- Domestic
- For Clear water applications
- High rise building -Flats & apartments
- Hospitals
- Water treatment plants

### **Performance Table**

Sr no	Cat ref	Frame	Power		Pipe size mm	Head in Meters											
			kW	HP		8	10	15	20	25	28	35	40	45	50	55	60
1	CGXMB03N-26	90	2.2	3	65X50	550	530	455	380	200							
2	CGXMB03P-21	90	2.2	3	80X65	740	700	535	370								
3	CGXMB03K-38	90	2.2	3	50X40		360	350	345	285	220	60					
4	CGXMB05N-37	112	3.7	5	65X50		695	685	650	570	450	330					
5	CGXMB05P-28	112	3.7	5	80X65		880	790	670	530	430(27mtr)						
6	CGXMB05K-50	112	3.7	5	50X40				325	324	320	310	260	175	100		
7	CGXMB07K-56	112	5.5	7.5	50X40					480	475	470	460	430	340	140	
8	CGXMB07N-52	112	5.5	7.5	65X50						515	460	410	300	100		
9	CGXMB07P-36	112	5.5	7.5	80X65			1250	1130	935	740	625(32mtr)					
10	CGXMB07S-26	112	5.5	7.5	100X100		1450	1400	1280	950							
11	CGXMB10P-40	112	7.5	10	80X65		1300	1220	1135	1050	970	800	450(38mtr)				
12	CGXMB10S-30	112	7.5	10	100X100			1600(18mtr)	1500	1260	1000						
13	CGXMB10N-65	132	7.5	10	65X50				490	485	480	475	465	450	390	330	230
14	CGXMB15S-36	132	11	15	100X100		1680	1645	1600	1570	1500	1000					
15	CGXMB15P-54	132	11	15	80X65				1300	1270	1250	1200	1110	950	660		
16	CGXMB20R-48	132	15	20	100X80			1500	1540	1510	1470	1400	1280	900			

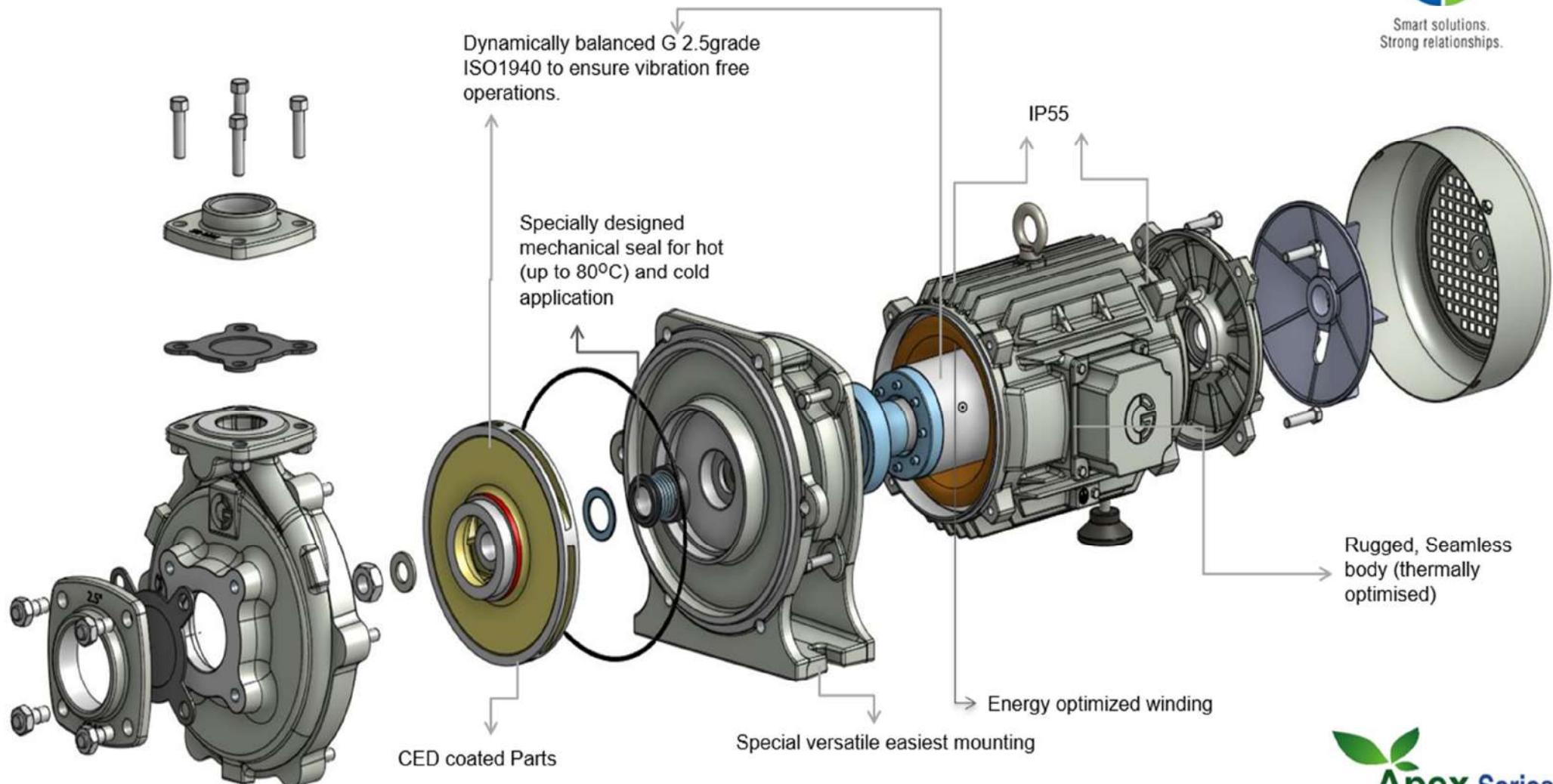
### **Material of Construction: -**

Construction & Features		Recommended Spares
Volute casing	Cast Iron FG 200	<b>Volute</b>
Impeller *	Cast Iron FG 200	<b>Impeller</b>
Shaft	<b>Stainless Steel</b>	<b>Mechanical Seal</b>
Motor Body	Cast Iron FG 200	<b>Adaptor</b>
Sealing arrangement	<b>Hot &amp; Cold Mechanical Seal</b>	<b>Bearings</b>
Winding	Supper enameled EC Grade Copper	<b>Flanges</b>
Stamping	High grade electrical stamping	<b>Cooling Fan</b>
Mounting	<b>Face/Adaptor Mounted Motors</b>	<b>Fan cover.</b>
Internal Surface	Rust preventing CED coating	
Protection	<b>IP 55</b>	
Duty	<b>S1</b>	

## Exploded view with features



Smart solutions.  
Strong relationships.



 Apex Series

- **Special Mechanical Seal:** Currently in industry, Hot water and cold-water application pumps are different, CG has crafted common pump for both Cold and Hot (up to 80°C) water application.
- **All rotating parts are dynamically balanced G 2.5grade (ISO1940)** Widely industry usage G6.3 for balancing, CG is using precise G2.5 grade to ensure vibration free operation of pump.
- Motor efficiency Class, third party NABL approved Laboratory test reports are available on request

# CG Power and Industrial Solutions Limited

Commercial Motors Division

196-198, Kundaim Ind Est, Ponda 403 115, Goa



## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB03N-26	Suction x Del Pipe Size (mm)	65x50	CFG PUMP- 3PH	
Product Description	3PH 3HP 415V 50HZ APEX XMB PUMP 65X50				
Product Group	Centrifugal Monobloc pump				

### NAME PLATE DETAILS

Motor		Winding Connection	Star	Pump		Frame	90
HP	3	Running Voltage	+ 6 / -15 %	IP55	--		
kW	2.2	Phase	3PH	Duty Head (Mtr)	20	Installation Range & Performance	
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	6.5	Head Range (mtr)	
Rated Current (A)	5.2	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	48	10	25
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)	
Capacitor (mfd) (Start/Run)	NA	NA	F	Reference Std	IS 9079	550	200

Material of Construction			PHOTO		
Motor		Pump			
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED		
Adaptor	CI FG 200	Pump Casing	CI FG 200		
End Cover	CI FG 200	Suction Flange	CI FG 200		
Stamping	CRNO-M45	Delivery Flange	CI FG 200		
Shaft	SS410	Sealing Type	Mechanical Seal		
Rotor Type	Aluminium	Fan	PPCP(Plastic)		
Bearing	Ball Bearing	Fan Cover	MS Power Coated		
Thrust Bearing	NA	Diaphragm	NA		
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary	

PACKAGING		KITS/Accessories	Qty	Declared HQ Data	
Package Material	STEEL CASE				
No of Products / Pack	1 Nos				
Package Size (L X B X H), mm	580 x 340 x 390				
Net Weight (kg)	40				
Gross Weight (kg)	45				
		WARRANTY			
		12 Month From The Date of Purchase			

Application		Performance Graph(Head Vs Discharge)						
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments								
Features								
IE2 Efficiency class compliance motor,IP55 Class protection motor,specially designed mechanical seal for hot (up to 80°C) and cold water applications,CED coated pump critical parts,Dynamically balanced rotating part to ensure vibration free operations,Eco-friendly, ergonomically designed packaging for handling & usages,Robust, statically balanced construction and Special versatile mounting.		Head (mtr)	30	25	20	15	10	5
			250	225	200	175	150	125
			200	225	250	275	300	325
			300	275	250	225	200	175
			400	200	175	150	125	100
			500	150	125	100	75	50
			600	100	75	50	25	0
		Discharge (LPM)						
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\*Performance under standard conditions



# CG Power and Industrial Solutions Limited

Commercial Motors Division

196-198, Kundaim Ind Est, Ponda 403 115, Goa



## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB03P-21	Suction x Del Pipe Size (mm)	80x65	CFG PUMP- 3PH	
Product Description	3PH 3HP 415V 50HZ APEX XMB PUMP 80X65				
Product Group	Centrifugal Monobloc pump				

### NAME PLATE DETAILS

Motor		Winding Connection	Star	Pump		Frame	90
HP	3	Running Voltage	+ 6 / -15 %	IP55	--		
kW	2.2	Phase	3PH	Duty Head (Mtr)	16	Installation Range & Performance	
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	8.5	Head Range (mtr)	
Rated Current (A)	5.2	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	51	8	20
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)	
Capacitor (mfd) (Start/Run)	NA	NA	F	Reference Std	IS 9079	750	350

Material of Construction			PHOTO		
Motor		Pump			
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED		
Adaptor	CI FG 200	Pump Casing	CI FG 200		
End Cover	CI FG 200	Suction Flange	CI FG 200		
Stamping	CRNO-M45	Delivery Flange	CI FG 200		
Shaft	SS410	Sealing Type	Mechanical Seal		
Rotor Type	Aluminium	Fan	PPCP(Plastic)		
Bearing	Ball Bearing	Fan Cover	MS Power Coated		
Thrust Bearing	NA	Diaphragm	NA		
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary	

PACKAGING		KITS/Accessories	Qty	Declared HQ Data		
Package Material	STEEL CASE	Warranty Card	1 Nos	Head (mtr)	Discharge (LPM)	
No of Products / Pack	1 Nos			8	740	
Package Size (L X B X H), mm	580 x 340 x 390			10	700	
Net Weight (kg)	41	WARRANTY			12	
Gross Weight (kg)	46	12 Month From The Date of Purchase			650	
Application	Performance Graph(Head Vs Discharge)				590	
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments	Head (mtr)  IE2 Efficiency class compliance motor,IP55 Class protection motor,specially desing mechanical seal for hot (up to 80oc ) and cold water applications,CED coated pump critical parts,Dynamically balanced rotstng part to ensure vibration free opeartions,Eco-friendly, ergonomically designed packaging for handling & usages,Robust, statically Balanced construction and Special versatile mounting.					
Features					530	
					460	
					370	
					--	
					--	
					--	
					--	
					--	
					--	
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\*Performance under standard conditions

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196-198, Kundaim Ind Est, Ponda 403 115, Goa



## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB03K-38	Suction x Del Pipe Size (mm)	50x40	CFG PUMP- 3PH	
Product Description	3PH 3HP 415V 50HZ APEX XMB PUMP 50X40				
Product Group	Centrifugal Monobloc pump				

### NAME PLATE DETAILS

Motor		Winding Connection	Star	Pump		Frame	90
HP	3	Running Voltage	+ 6 / -15 %	IP55	--		
kW	2.2	Phase	3PH	Duty Head (Mtr)	30	Installation Range & Performance	
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	3.5	Head Range (mtr)	
Rated Current (A)	5.2	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	43	15	35
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)	
Capacitor (mfd) (Start/Run)	NA	NA	Insulation Class	F	Reference Std	IS 9079	350
							50

Material of Construction			PHOTO		
Motor		Pump			
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED		
Adaptor	CI FG 200	Pump Casing	CI FG 200		
End Cover	CI FG 200	Suction Flange	CI FG 200		
Stamping	CRNO-M45	Delivery Flange	CI FG 200		
Shaft	SS410	Sealing Type	Mechanical Seal		
Rotor Type	Aluminium	Fan	PPCP(Plastic)		
Bearing	Ball Bearing	Fan Cover	MS Power Coated		
Thrust Bearing	NA	Diaphragm	NA		
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary	

PACKAGING		KITS/Accessories	Qty	Declared HQ Data			
Package Material	STEEL CASE	Warranty Card	1 Nos	Head (mtr)	Discharge (LPM)		
No of Products / Pack	1Nos						
Package Size (L X B X H), mm	580 x 340 x 390						
Net Weight (kg)	41	WARRANTY			30 220		
Gross Weight (kg)	46	12 Month From The Date of Purchase			25 285		

Application		Performance Graph(Head Vs Discharge)				
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments						
Features		<p>IE2 Efficiency class compliance motor,IP55 Class protection motor,specially desing mechanical seal for hot (up to 80oc ) and cold water applications,CED coated pump critical parts,Dynamically balanced rotstng part to ensure vibration free opertaions,Eco-friendly, ergonomically designed packaging for handling &amp; usages,Robust, statically Balanced construction and Special versatile mounting.</p>				
 <b>murugappa</b>		Date	25-Feb-24	Date	26-Feb-24	Date
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					GP/D	Date
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\*Performance under standard conditions

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Commercial Motors Division

196-198, Kundaim Ind Est, Ponda 403 115, Goa



## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB05N-37	Suction x Del Pipe Size (mm)	65X50	CFG PUMP- 3PH	
Product Description	3PH 5HP 415V 50HZ APEX XMB PUMP 65X50				
Product Group	Centrifugal Monobloc pump				

### NAME PLATE DETAILS

Motor		Winding Connection	Delta	Pump		Frame	112	
HP	5	Running Voltage	+ 6 / -15 %	IP55	--			
kW	3.7	Phase	3PH	Duty Head (Mtr)	32	Installation Range & Performance		
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	6.5	Head Range (mtr)		
Rated Current (A)	8.3	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	49	15	35	
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)		
Capacitor (mfd) (Start/Run)	NA	NA	F	Reference Std	IS 9079	690	300	

Material of Construction			PHOTO		
Motor		Pump			
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED		
Adaptor	CI FG 200	Pump Casing	CI FG 200		
End Cover	CI FG 200	Suction Flange	CI FG 200		
Stamping	CRNO-M45	Delivery Flange	CI FG 200		
Shaft	SS410	Sealing Type	Mechanical Seal		
Rotor Type	Aluminium	Fan	PPCP(Plastic)		
Bearing	Ball Bearing	Fan Cover	MS Power Coated		
Thrust Bearing	NA	Diaphragm	NA		
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary	

PACKAGING		KITS/Accessories	Qty	Declared HQ Data			
Package Material	STEEL CASE	Warranty Card	1 Nos	Head (mtr)	Discharge (LPM)		
No of Products / Pack	1 Nos						
Package Size (L X B X H), mm	685 X 380 X 420						
Net Weight (kg)	55	WARRANTY			15 685		
Gross Weight (kg)	60	12 Month From The Date of Purchase			20 650		

Application		Performance Graph(Head Vs Discharge)						
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments		Head (mtr)	40	35	30	25	20	15
Features		Discharge (LPM)	100	200	300	400	500	600
IE2 Efficiency class compliance motor,IP55 Class protection motor,specially designed mechanical seal for hot (up to 80°C) and cold water applications,CED coated pump critical parts,Dynamically balanced rotors to ensure vibration free operations,Eco-friendly, ergonomically designed packaging for handling & usages,Robust, statically balanced construction and Special versatile mounting.		CGXMB05N-37	350	300	250	200	150	100
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\*Performance under standard conditions



# CG Power and Industrial Solutions Limited

Commercial Motors Division

196-198, Kundaim Ind Est, Ponda 403 115, Goa



## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB05P-28	Suction x Del Pipe Size (mm)	80x65	CFG PUMP- 3PH	
Product Description	3PH 5HP 415V 50HZ APEX XMB PUMP 80X65				
Product Group	Centrifugal Monobloc pump				

### NAME PLATE DETAILS

Motor		Winding Connection	Delta	Pump		Frame	112
HP	5	Running Voltage	+ 6 / -15 %	IP55	--		
kW	3.7	Phase	3PH	Duty Head (Mtr)	25	Installation Range & Performance	
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	9	Head Range (mtr)	
Rated Current (A)	8.3	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	56	12	27
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)	
Capacitor (mfd) (Start/Run)	NA	NA	F	Reference Std	IS 9079	850	420

Material of Construction			PHOTO		
Motor		Pump			
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED		
Adaptor	CI FG 200	Pump Casing	CI FG 200		
End Cover	CI FG 200	Suction Flange	CI FG 200		
Stamping	CRNO-M45	Delivery Flange	CI FG 200		
Shaft	SS410	Sealing Type	Mechanical Seal		
Rotor Type	Aluminium	Fan	PPCP(Plastic)		
Bearing	Ball Bearing	Fan Cover	MS Power Coated		
Thrust Bearing	NA	Diaphragm	NA		
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary	

PACKAGING		KITS/Accessories	Qty	Declared HQ Data			
Package Material	STEEL CASE	Warranty Card	1 Nos	Head (mtr)	Discharge (LPM)		
No of Products / Pack	1 Nos						
Package Size (L X B X H), mm	685 X 380 X 420						
Net Weight (kg)	50	WARRANTY			15 790		
Gross Weight (kg)	56	12 Month From The Date of Purchase			19 700		

Application		Performance Graph(Head Vs Discharge)						
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments								
Features		Head (mtr)	30	25	20	15	10	0
IE2 Efficiency class compliance motor,IP55 Class protection motor,specially designed mechanical seal for hot (up to 80°C) and cold water applications,CED coated pump critical parts,Dynamically balanced rotors part to ensure vibration free operations,Eco-friendly, ergonomically designed packaging for handling & usages,Robust, statically balanced construction and Special versatile mounting.		Discharge (LPM)	300	400	500	600	700	800
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\*Performance under standard conditions



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Commercial Motors Division

196-198, Kundaim Ind Est, Ponda 403 115, Goa



## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB05K-50	Suction x Del Pipe Size (mm)	50x40	CFG PUMP- 3PH	
Product Description	3PH 5HP 415V 50HZ APEX XMB PUMP 50X40				
Product Group	Centrifugal Monobloc pump				

### NAME PLATE DETAILS

Motor		Winding Connection	Delta	Pump		Frame	112
HP	5	Running Voltage	+ 6 / -15 %	IP55	--		
kW	3.7	Phase	3PH	Duty Head (Mtr)	42	Installation Range & Performance	
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	3.5	Head Range (mtr)	
Rated Current (A)	8.3	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	40	12	48
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)	
Capacitor (mfd) (Start/Run)	NA	NA	F	Reference Std	IS 9079	325	100

Material of Construction			PHOTO		
Motor		Pump			
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED		
Adaptor	CI FG 200	Pump Casing	CI FG 200		
End Cover	CI FG 200	Suction Flange	CI FG 200		
Stamping	CRNO-M45	Delivery Flange	CI FG 200		
Shaft	SS410	Sealing Type	Mechanical Seal		
Rotor Type	Aluminium	Fan	PPCP(Plastic)		
Bearing	Ball Bearing	Fan Cover	MS Power Coated		
Thrust Bearing	NA	Diaphragm	NA		
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary	

PACKAGING		KITS/Accessories	Qty	Declared HQ Data	
Package Material	STEEL CASE			Head (mtr)	Discharge (LPM)
No of Products / Pack	1 Nos		1 Nos		
Package Size (L X B X H), mm	685 X 380 X 420	Warranty Card		20	325
Net Weight (kg)	59	WARRANTY			30 320
Gross Weight (kg)	64	12 Month From The Date of Purchase			35 310

Application		Performance Graph(Head Vs Discharge)						
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments							40	260
Features		Head (mtr)	60	50	40	30	20	10
IE2 Efficiency class compliance motor,IP55 Class protection motor,specially designed mechanical seal for hot (up to 80°C) and cold water applications,CED coated pump critical parts,Dynamically balanced rotors part to ensure vibration free operations,Eco-friendly, ergonomically designed packaging for handling & usages,Robust, statically balanced construction and Special versatile mounting.		Discharge (LPM)	0	50	100	150	200	250
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\*Performance under standard conditions



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## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB07K-56	Suction x Del Pipe Size (mm)	50x40	CFG PUMP- 3PH	
Product Description	3PH 7.5HP 415V 50HZ APEX XMB PUMP 50X40				
Product Group	Centrifugal Monobloc pump				

### NAME PLATE DETAILS

Motor		Winding Connection	Delta	Pump		Frame	112	
HP	7.5	Running Voltage	+ 6 / -15 %	IP55	--			
kW	5.5	Phase	3PH	Duty Head (Mtr)	48	Installation Range & Performance		
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	5.5	Head Range (mtr)		
Rated Current (A)	11.4	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	48	25	54	
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)		
Capacitor (mfd) (Start/Run)	NA	NA	F	Reference Std	IS 9079	470	200	

Material of Construction			PHOTO		
Motor		Pump			
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED		
Adaptor	CI FG 200	Pump Casing	CI FG 200		
End Cover	CI FG 200	Suction Flange	CI FG 200		
Stamping	CRNO-M45	Delivery Flange	CI FG 200		
Shaft	SS410	Sealing Type	Mechanical Seal		
Rotor Type	Aluminium	Fan	PPCP(Plastic)		
Bearing	Ball Bearing	Fan Cover	MS Power Coated		
Thrust Bearing	NA	Diaphragm	NA		
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary	

PACKAGING		KITS/Accessories	Qty	Declared HQ Data			
Package Material	STEEL CASE	Warranty Card	1 Nos	Head (mtr)	Discharge (LPM)		
No of Products / Pack	1 Nos						
Package Size (L X B X H), mm	685x380x420						
Net Weight (kg)	67	WARRANTY			15 484		
Gross Weight (kg)	72	12 Month From The Date of Purchase			20 483		

Application		Performance Graph(Head Vs Discharge)						
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments		Head (mtr)	60	55	50	45	40	35
Features		Discharge (LPM)	600	500	400	300	200	100
IE2 Efficiency class compliance motor,IP55 Class protection motor,specially designed mechanical seal for hot (up to 80°C) and cold water applications,CED coated pump critical parts,Dynamically balanced rotors to ensure vibration free operations,Eco-friendly, ergonomically designed packaging for handling & usages,Robust, statically balanced construction and Special versatile mounting.		CGXMB07K-56	550	500	450	350	300	250
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\*Performance under standard conditions



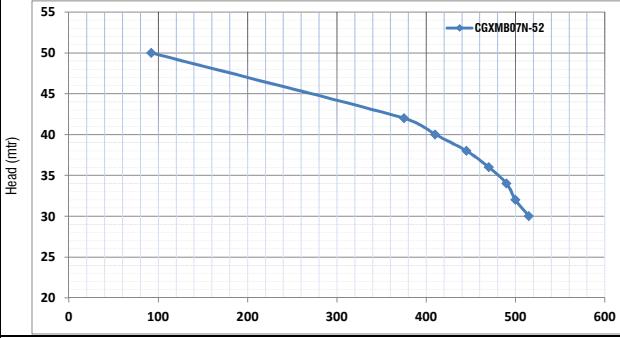
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## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB07N-52			Suction x Del Pipe Size (mm)	65x50	CFG PUMP- 3PH				
Product Description	3PH 7.5HP 415V 50HZ APEX XMB PUMP 65X50									
Product Group	Centrifugal Monobloc pump									
NAME PLATE DETAILS										
Motor		Winding Connection	Delta	Pump		Frame	112			
HP	7.5	Running Voltage	+ 6 / -15 %	IP55	--					
KW	5.5	Phase	3PH	Duty Head (Mtr)	43	Installation Range & Performance				
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	6					
Rated Current (A)	11.4	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	43	32	50			
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)				
Capacitor (mf) (Start/Run)	NA	Insulation Class	F	Reference Std	IS 9079	500	95			
Material of Construction										
Motor		Pump		PHOTO						
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED							
Adaptor	CI FG 200	Pump Casing	CI FG 200							
End Cover	CI FG 200	Suction Flange	CI FG 200							
Stamping	CRNO-M45	Delivery Flange	CI FG 200							
Shaft	SS410	Sealing Type	Mechanical Seal							
Rotor Type	Aluminium	Fan	PPCP(Plastic)							
Bearing	Ball Bearing	Fan Cover	MS Power Coated							
Thrust Bearing	NA	Diaphragm	NA							
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary						
PACKAGING			KITS/Accessories Qty			Declared HQ Data				
Package Material	STEEL CASE		Warranty Card		1 Nos	Head (mtr)	Discharge (LPM)			
No of Products / Pack	1 Nos					30	515			
Package Size (L X B X H), mm	685x380x420		WARRANTY			32	500			
Net Weight (kg)	68		12 Month From The Date of Purchase			34	490			
Gross Weight (kg)	74									
Application		Performance Graph(Head Vs Discharge)								
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments		Head (mtr)								
Features										
IE2 Efficiency class compliance motor,IP55 Class protection motor,specially designed mechanical seal for hot (up to 80°C) and cold water applications,CED coated pump critical parts,Dynamically balanced rotostat part to ensure vibration free operations,Eco-friendly, ergonomically designed packaging for handling & usages,Robust, statically balanced construction and Special versatile mounting.										
	Date	25-Feb-24	Date	26-Feb-24	Date	27-Feb-24	Revision No	0		
	Updated By	SU/V	Verified by	RP/QA	Approved BY	GP/D	Date	0-Jan-00		

\*Performance under standard conditions

# CG Power and Industrial Solutions Limited

Commercial Motors Division

196-198, Kundaim Ind Est, Ponda 403 115, Goa



## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB07P-36	Suction x Del Pipe Size (mm)	80x65	CFG PUMP- 3PH	
Product Description	3PH 7.5HP 415V 50HZ APEX XMB PUMP 80X65				
Product Group	Centrifugal Monobloc pump				

### NAME PLATE DETAILS

Motor		Winding Connection	Delta	Pump		Frame	112	
HP	7.5	Running Voltage	+ 6 / -15 %	IP55	--			
kW	5.5	Phase	3PH	Duty Head (Mtr)	27	Installation Range & Performance		
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	14	Head Range (mtr)		
Rated Current (A)	11.4	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	58	15	34	
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)		
Capacitor (mfd) (Start/Run)	NA	NA	F	Reference Std	IS 9079	1250	350	

Material of Construction			PHOTO		
Motor		Pump			
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED		
Adaptor	CI FG 200	Pump Casing	CI FG 200		
End Cover	CI FG 200	Suction Flange	CI FG 200		
Stamping	CRNO-M45	Delivery Flange	CI FG 200		
Shaft	SS410	Sealing Type	Mechanical Seal		
Rotor Type	Aluminium	Fan	PPCP(Plastic)		
Bearing	Ball Bearing	Fan Cover	MS Power Coated		
Thrust Bearing	NA	Diaphragm	NA		
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary	

PACKAGING		KITS/Accessories	Qty	Declared HQ Data			
Package Material	STEEL CASE	Warranty Card	1 Nos	Head (mtr)	Discharge (LPM)		
No of Products / Pack	1 Nos						
Package Size (L X B X H), mm	685x380x420						
Net Weight (kg)	65	WARRANTY			16 1235		
Gross Weight (kg)	70	12 Month From The Date of Purchase			18 1180		

Application		Performance Graph(Head Vs Discharge)				
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments						
Features		<p>IE2 Efficiency class compliance motor,IP55 Class protection motor,specially desing mechanical seal for hot (up to 80oc ) and cold water applications,CED coated pump critical parts,Dynamically balanced rotstng part to ensure vibration free opertaions,Eco-friendly, ergonomically designed packaging for handling &amp; usages,Robust, statically Balanced construction and Special versatile mounting.</p>				
 <b>murugappa</b>	Date	25-Feb-24	Date	26-Feb-24	Date	27-Feb-24
	Updated By	SU/V	Verified by	RP/QA	Approved BY	GP/D
*Performance under standard conditions		Revision No	0	Date	0-Jan-00	

# CG Power and Industrial Solutions Limited

Commercial Motors Division

196-198, Kundaim Ind Est, Ponda 403 115, Goa



## PRODUCT SPECIFICATION AND FEATURES

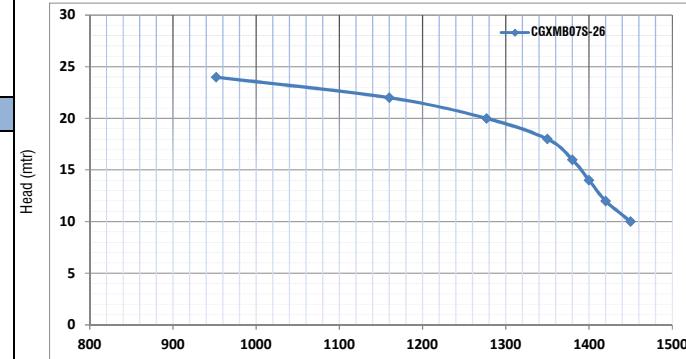
CAT REF	CGXMB07S-26	Suction x Del Pipe Size (mm)	100X100	CFG PUMP- 3PH	
Product Description	3PH 7.5HP 415V 50HZ APEX XMB PUMP 100X100				
Product Group	Centrifugal Monobloc pump				

### NAME PLATE DETAILS

Motor		Winding Connection	Delta	Pump		Frame	112	
HP	7.5	Running Voltage	+ 6 / -15 %	IP55	--			
kW	5.5	Phase	3PH	Duty Head (Mtr)	20	Installation Range & Performance		
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	20	Head Range (mtr)		
Rated Current (A)	11.4	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	56	10	25	
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)		
Capacitor (mfd) (Start/Run)	NA	NA	F	Reference Std	IS 9079	1450	850	

Material of Construction			PHOTO				
Motor		Pump					
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED				
Adaptor	CI FG 200	Pump Casing	CI FG 200				
End Cover	CI FG 200	Suction Flange	CI FG 200				
Stamping	CRNO-M45	Delivery Flange	CI FG 200				
Shaft	SS410	Sealing Type	Mechanical Seal				
Rotor Type	Aluminium	Fan	PPCP(Plastic)				
Bearing	Ball Bearing	Fan Cover	MS Power Coated				
Thrust Bearing	NA	Diaphragm	NA				
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary			

PACKAGING		KITS/Accessories	Qty	Declared HQ Data				
Package Material	STEEL CASE	Warranty Card	1 Nos	Head (mtr)	Discharge (LPM)			
No of Products / Pack	1 Nos							
Package Size (L X B X H), mm	685x380x420							
Net Weight (kg)	73	WARRANTY						
Gross Weight (kg)	79	12 Month From The Date of Purchase						

Application		Performance Graph(Head Vs Discharge)									
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments		 <p>Head (mtr)</p> <p>Discharge (LPM)</p>									
Features											
IE2 Efficiency class compliance motor,IP55 Class protection motor,specially designed mechanical seal for hot (up to 80oc ) and cold water applications,CED coated pump critical parts,Dynamically balanced rotstng part to ensure vibration free opertaions,Eco-friendly, ergonomically designed packaging for handling & usages,Robust, statically Balanced construction and Special versatile mounting.											
 <b>murugappa</b>		Date	25-Feb-24	Date	26-Feb-24	Date					
		Updated By	SU/V	Verified by	RP/QA	Approved BY					
					GP/D	Date					
					0-Jan-00						

\*Performance under standard conditions

# CG Power and Industrial Solutions Limited

Commercial Motors Division

196-198, Kundaim Ind Est, Ponda 403 115, Goa



## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB10P-40			Suction x Del Pipe Size (mm)	80x65	CFG PUMP- 3PH																								
Product Description	3PH 10HP 415V 50HZ APEX XMB PUMP 80X65																													
Product Group	Centrifugal Monobloc pump																													
NAME PLATE DETAILS																														
Motor		Winding Connection	Delta	Pump		Frame	132																							
HP	10	Running Voltage	+ 6 / -15 %	IP55	--																									
KW	7.5	Phase	3PH	Duty Head (Mtr)	34	Installation Range & Performance																								
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	13.5	Head Range (mtr)																								
Rated Current (A)	15	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	56	11	38																							
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)																								
Capacitor (mf) (Start/Run)	NA	NA	Insulation Class	F	Reference Std	IS 9079	1300																							
Material of Construction				PHOTO																										
Motor		Pump																												
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED																											
Adaptor	CI FG 200	Pump Casing	CI FG 200																											
End Cover	CI FG 200	Suction Flange	CI FG 200																											
Stamping	CRNO-M45	Delivery Flange	CI FG 200																											
Shaft	SS410	Sealing Type	Mechanical Seal																											
Rotor Type	Aluminium	Fan	PPCP(Plastic)																											
Bearing	Ball Bearing	Fan Cover	MS Power Coated																											
Thrust Bearing	NA	Diaphragm	NA																											
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary																										
PACKAGING			KITS/Accessories		Qty	Declared HQ Data																								
Package Material	STEEL CASE		Warranty Card		1 Nos	Head (mtr)	Discharge (LPM)																							
No of Products / Pack	1 Nos																													
Package Size (L X B X H), mm	690X440X420					11	1300																							
Net Weight (kg)	0		WARRANTY			18	1250																							
Gross Weight (kg)	0		12 Month From The Date of Purchase			22	1190																							
Application		Performance Graph(Head Vs Discharge)																												
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments																														
Features																														
IE2 Efficiency class compliance motor,IP55 Class protection motor,specially designed mechanical seal for hot (up to 80oc ) and cold water applications,CED coated pump critical parts,Dynamically balanced rotstng part to ensure vibration free operations,Eco-friendly, ergonomically designed packaging for handling & usages,Robust, statically Balanced construction and Special versatile mounting.																														
 murugappa		<table border="1"> <thead> <tr> <th>Date</th><th>Date</th><th>Date</th><th>Discharge (LPM)</th><th>Date</th><th>Date</th></tr> </thead> <tbody> <tr> <td>25-Feb-24</td><td>26-Feb-24</td><td>27-Feb-24</td><td>1000</td><td>25-Feb-24</td><td>26-Feb-24</td></tr> <tr> <td>Updated By</td><td>SU/V</td><td>Verified by</td><td>RP/QA</td><td>Approved BY</td><td>GP/D</td></tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>					Date	Date	Date	Discharge (LPM)	Date	Date	25-Feb-24	26-Feb-24	27-Feb-24	1000	25-Feb-24	26-Feb-24	Updated By	SU/V	Verified by	RP/QA	Approved BY	GP/D						
Date	Date	Date	Discharge (LPM)	Date	Date																									
25-Feb-24	26-Feb-24	27-Feb-24	1000	25-Feb-24	26-Feb-24																									
Updated By	SU/V	Verified by	RP/QA	Approved BY	GP/D																									
*Performance under standard conditions																														

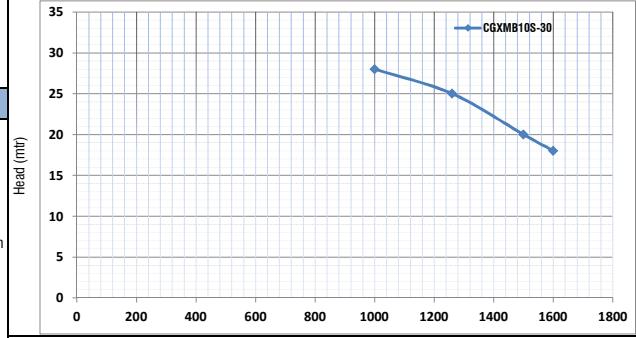
# CG Power and Industrial Solutions Limited

Commercial Motors Division

196-198, Kundaim Ind Est, Ponda 403 115, Goa



## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB10S-30			Suction x Del Pipe Size (mm)	100X100	CFG PUMP- 3PH									
Product Description	3PH 10HP 415V 50HZ APEX XMB PUMP100X100														
Product Group	Centrifugal Monobloc pump														
NAME PLATE DETAILS															
Motor		Winding Connection	Delta	Pump		Frame	132								
HP	10	Running Voltage	+ 6 / -15 %	IP55	--										
KW	7.5	Phase	3PH	Duty Head (Mtr)	25	Installation Range & Performance									
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	20.5	Head Range (mtr)									
Rated Current (A)	15	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	56	18	28								
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)									
Capacitor (mf) (Start/Run)	NA	NA	Insulation Class	F	Reference Std	IS 9079	1600								
Material of Construction															
Motor		Pump		PHOTO											
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED												
Adaptor	CI FG 200	Pump Casing	CI FG 200												
End Cover	CI FG 200	Suction Flange	CI FG 200												
Stamping	CRNO-M45	Delivery Flange	CI FG 200												
Shaft	SS410	Sealing Type	Mechanical Seal												
Rotor Type	Aluminium	Fan	PPCP(Plastic)												
Bearing	Ball Bearing	Fan Cover	MS Power Coated												
Thrust Bearing	NA	Diaphragm	NA												
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary											
PACKAGING			KITS/Accessories		Qty	Declared HQ Data									
Package Material	STEEL CASE		Warranty Card		1 Nos	Head (mtr)	Discharge (LPM)								
No of Products / Pack	1 Nos														
Package Size (L X B X H), mm	690X400X420					18	1600								
Net Weight (kg)	83		WARRANTY			20	1500								
Gross Weight (kg)	89		12 Month From The Date of Purchase			25	1260								
Application		Performance Graph(Head Vs Discharge)													
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments		 <p>Head (mtr)</p> <p>Discharge (LPM)</p>				28	1000								
Features						0	0								
IE2 Efficiency class compliance motor,IP55 Class protection motor,specially designed mechanical seal for hot (up to 80°C) and cold water applications,CED coated pump critical parts,Dynamically balanced rotating part to ensure vibration free operations,Eco-friendly, ergonomically designed packaging for handling & usages,Robust, statically balanced construction and Special versatile mounting.						0	0								
murugappa						0	0								
Date	25-Feb-24	Date	26-Feb-24	Date	27-Feb-24	Revision No	0								
Updated By	SU/V	Verified by	RP/QA	Approved BY	GP/D	Date	0-Jan-00								

\*Performance under standard conditions

# CG Power and Industrial Solutions Limited

Commercial Motors Division

196-198, Kundaim Ind Est, Ponda 403 115, Goa



## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB10N-65	Suction x Del Pipe Size (mm)	65x50	CFG PUMP- 3PH	
Product Description	3PH 10HP 415V 50HZ APEX XMB PUMP 65X50				
Product Group	Centrifugal Monobloc pump				

### NAME PLATE DETAILS

Motor		Winding Connection	Delta	Pump		Frame	132
HP	10	Running Voltage	+ 6 / -15 %	IP55	--		
kW	7.5	Phase	3PH	Duty Head (Mtr)	48	Installation Range & Performance	
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	7	Head Range (mtr)	
Rated Current (A)	15	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	40	10	62
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)	
Capacitor (mfd) (Start/Run)	NA	NA	F	Reference Std	IS 9079	505	160

Material of Construction			PHOTO		
Motor		Pump			
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED		
Adaptor	CI FG 200	Pump Casing	CI FG 200		
End Cover	CI FG 200	Suction Flange	CI FG 200		
Stamping	CRNO-M45	Delivery Flange	CI FG 200		
Shaft	SS410	Sealing Type	Mechanical Seal		
Rotor Type	Aluminium	Fan	PPCP(Plastic)		
Bearing	Ball Bearing	Fan Cover	MS Power Coated		
Thrust Bearing	NA	Diaphragm	NA		
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary	

PACKAGING		KITS/Accessories	Qty	Declared HQ Data			
Package Material	STEEL CASE	Warranty Card	1 Nos	Head (mtr)	Discharge (LPM)		
No of Products / Pack	1 Nos						
Package Size (L X B X H), mm	690X440X420						
Net Weight (kg)	77	WARRANTY			25 485		
Gross Weight (kg)	83	12 Month From The Date of Purchase			30 480		

Application		Performance Graph(Head Vs Discharge)						
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments								
Features		Head (mtr)	70	60	50	40	30	20
IE2 Efficiency class compliance motor,IP55 Class protection motor,specially designed mechanical seal for hot (up to 80°C) and cold water applications,CED coated pump critical parts,Dynamically balanced rotors to ensure vibration free operations,Eco-friendly, ergonomically designed packaging for handling & usages,Robust, statically balanced construction and Special versatile mounting.		Discharge (LPM)	0	100	200	300	400	500
	Date	25-Feb-24	Date	26-Feb-24	Date	27-Feb-24	Revision No	0
	Updated By	SU/V	Verified by	RP/QA	Approved BY	GP/D	Date	0-Jan-00

\*Performance under standard conditions



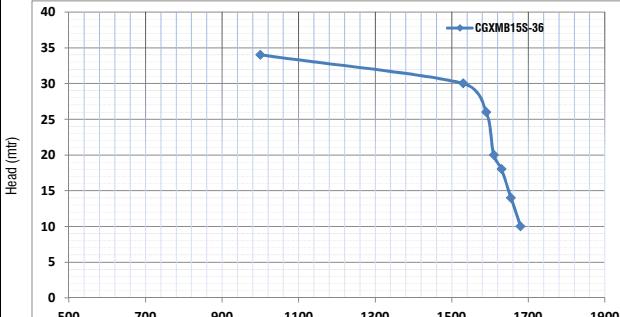
# CG Power and Industrial Solutions Limited

Commercial Motors Division

196-198, Kundaim Ind Est, Ponda 403 115, Goa



## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB15S-36			Suction x Del Pipe Size (mm)	100X100	CFG PUMP- 3PH				
Product Description	3PH 15HP 415V 50HZ APEX XMB PUMP100X100									
Product Group	Centrifugal Monobloc pump									
NAME PLATE DETAILS										
Motor		Winding Connection	Delta	Pump		Frame	132			
HP	15	Running Voltage	+ 6 / -15 %	IP55	--					
KW	11	Phase	3PH	Duty Head (Mtr)	31	Installation Range & Performance				
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	25	Head Range (mtr)				
Rated Current (A)	21.5	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	64	20	34			
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)				
Capacitor (mf) (Start/Run)	NA	NA	Insulation Class	F	Reference Std	IS 9079	1600			
Material of Construction										
Motor		Pump		PHOTO						
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED							
Adaptor	CI FG 200	Pump Casing	CI FG 200							
End Cover	CI FG 200	Suction Flange	CI FG 200							
Stamping	CRNO-M45	Delivery Flange	CI FG 200							
Shaft	SS410	Sealing Type	Mechanical Seal							
Rotor Type	Aluminium	Fan	PPCP(Plastic)							
Bearing	Ball Bearing	Fan Cover	MS Power Coated							
Thrust Bearing	NA	Diaphragm	NA							
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary						
PACKAGING			KITS/Accessories		Qty	Declared HQ Data				
Package Material	STEEL CASE		Warranty Card		1 Nos	Head (mtr)	Discharge (LPM)			
No of Products / Pack	1 Nos					10	1680			
Package Size (L X B X H), mm	780X440X420		WARRANTY		12 Month From The Date of Purchase	14	1655			
Net Weight (kg)	102					18	1630			
Gross Weight (kg)	109					20	1610			
Application		Performance Graph(Head Vs Discharge)								
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments										
Features										
IE2 Efficiency class compliance motor,IP55 Class protection motor,specially designed mechanical seal for hot (up to 80°C) and cold water applications,CED coated pump critical parts,Dynamically balanced rotostatic part to ensure vibration free operations,Eco-friendly, ergonomically designed packaging for handling & usages,Robust, statically balanced construction and Special versatile mounting.										
 murugappa		Date	25-Feb-24	Date	26-Feb-24	Date	27-Feb-24			
Updated By		SU/V	Verified by	RP/QA	Approved BY	GP/D	Date			
*Performance under standard conditions										

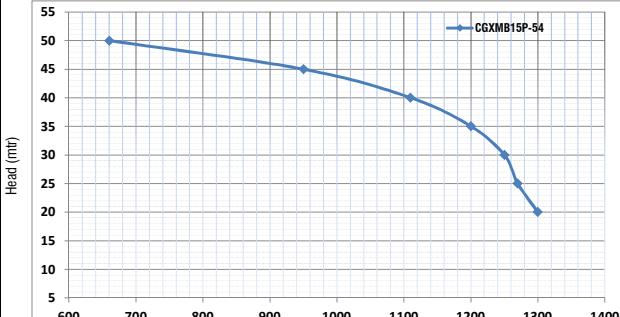
# CG Power and Industrial Solutions Limited

Commercial Motors Division

196-198, Kundaim Ind Est, Ponda 403 115, Goa



## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB15P-54			Suction x Del Pipe Size (mm)	80x65	CFG PUMP- 3PH					
Product Description	3PH 15HP 415V 50HZ APEX XMB PUMP 80X65										
Product Group	Centrifugal Monobloc pump										
NAME PLATE DETAILS											
Motor		Winding Connection	Delta	Pump		Frame	132				
HP	15	Running Voltage	+ 6 / -15 %	IP55	--						
KW	11	Phase	3PH	Duty Head (Mtr)	44	Installation Range & Performance					
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	16.5	Head Range (mtr)					
Rated Current (A)	21.5	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	61	20	52				
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)					
Capacitor (mf) (Start/Run)	NA	NA	Insulation Class	F	Reference Std	IS 9079	1300				
Material of Construction											
Motor		Pump		PHOTO							
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED								
Adaptor	CI FG 200	Pump Casing	CI FG 200								
End Cover	CI FG 200	Suction Flange	CI FG 200								
Stamping	CRNO-M45	Delivery Flange	CI FG 200								
Shaft	SS410	Sealing Type	Mechanical Seal								
Rotor Type	Aluminium	Fan	PPCP(Plastic)								
Bearing	Ball Bearing	Fan Cover	MS Power Coated								
Thrust Bearing	NA	Diaphragm	NA								
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary							
PACKAGING			KITS/Accessories		Qty	Declared HQ Data					
Package Material	STEEL CASE		Warranty Card		1 Nos	Head (mtr)	Discharge (LPM)				
No of Products / Pack	1 Nos										
Package Size (L X B X H), mm	780X440X420					20	1300				
Net Weight (kg)	96		WARRANTY			25	1270				
Gross Weight (kg)	103		12 Month From The Date of Purchase			30	1250				
Application		Performance Graph(Head Vs Discharge)					35	1200			
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments		Head (mtr)	 CGXMB15P-54					40	1110		
Features			IE2 Efficiency class compliance motor,IP55 Class protection motor,specially desing mechanical seal for hot (up to 80oc ) and cold water applications,CED coated pump critical parts,Dynamically balanced rotstng part to ensure vibration free operations,Eco-friendly, ergonomically designed packaging for handling & usages,Robust, statically Balanced construction and Special versatile mounting.					45	950		
								50	660		
								--	--		
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								--	--		
murugappa	Date	25-Feb-24	Date	26-Feb-24	Date	27-Feb-24	Revision No	0			
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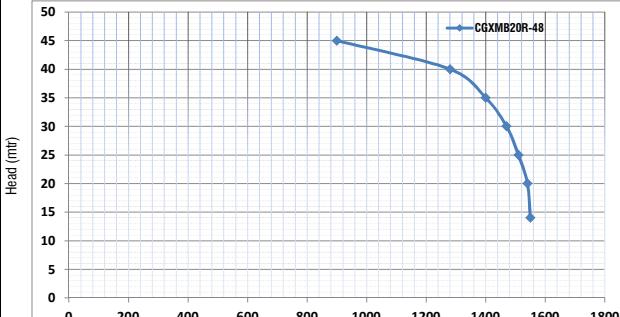
# CG Power and Industrial Solutions Limited

Commercial Motors Division

196-198, Kundaim Ind Est, Ponda 403 115, Goa



## PRODUCT SPECIFICATION AND FEATURES

CAT REF	CGXMB20R-48			Suction x Del Pipe Size (mm)	100X80	CFG PUMP- 3PH																			
Product Description	3PH 20HP 415V 50HZ APEX XMB PUMP 100X80																								
Product Group	Centrifugal Monobloc pump																								
NAME PLATE DETAILS																									
Motor		Winding Connection	Delta	Pump		Frame	132																		
HP	20	Running Voltage	+ 6 / -15 %	IP55	--																				
KW	15	Phase	3PH	Duty Head (Mtr)	40	Installation Range & Performance																			
Rated Voltage	415	Duty	CONT-S1	Duty Discharge (LPS)	21	Head Range (mtr)																			
Rated Current (A)	30.2	Motor Type (Wet/Dry)	Dry	Nominal Efficiency(%)	56	14	45																		
Rated Speed (RPM)	2850	Motor Category	B	Pump Coupling	Mono Shaft	Discharge (LPM)																			
Capacitor (mf) (Start/Run)	NA	NA	Insulation Class	F	Reference Std	IS 9079	1500 900																		
Material of Construction																									
Motor		Pump		PHOTO																					
Motor Body	CI FG 200	Impeller	CI FG 200 / CED COATED																						
Adaptor	CI FG 200	Pump Casing	CI FG 200																						
End Cover	CI FG 200	Suction Flange	CI FG 200																						
Stamping	CRNO-M45	Delivery Flange	CI FG 200																						
Shaft	SS410	Sealing Type	Mechanical Seal																						
Rotor Type	Aluminium	Fan	PPCP(Plastic)																						
Bearing	Ball Bearing	Fan Cover	MS Power Coated																						
Thrust Bearing	NA	Diaphragm	NA																						
Winding Wire	Enamaled Copper	End Cover	CI FG 200	Actual Appearance may vary																					
PACKAGING			KITS/Accessories		Qty	Declared HQ Data																			
Package Material	STEEL CASE		Warranty Card		1 Nos	Head (mtr)	Discharge (LPM)																		
No of Products / Pack	1 Nos																								
Package Size (L X B X H), mm	780X440X420					14	1550																		
Net Weight (kg)	110		WARRANTY			20	1540																		
Gross Weight (kg)	117		12 Month From The Date of Purchase			25	1510																		
Application		Performance Graph(Head Vs Discharge)																							
Agriculture ,Industrial,commercial,Domestic,for clear water application,water treatment plant ,Hospitals,High rise building-flats and appartments		 <table border="1"> <thead> <tr> <th>Discharge (LPM)</th> <th>Head (mtr)</th> </tr> </thead> <tbody> <tr><td>900</td><td>45</td></tr> <tr><td>1000</td><td>42</td></tr> <tr><td>1100</td><td>40</td></tr> <tr><td>1200</td><td>38</td></tr> <tr><td>1300</td><td>35</td></tr> <tr><td>1400</td><td>30</td></tr> <tr><td>1500</td><td>25</td></tr> <tr><td>1600</td><td>15</td></tr> </tbody> </table>						Discharge (LPM)	Head (mtr)	900	45	1000	42	1100	40	1200	38	1300	35	1400	30	1500	25	1600	15
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Features																									
IE2 Efficiency class compliance motor,IP55 Class protection motor,specially designed mechanical seal for hot (up to 80°C) and cold water applications,CED coated pump critical parts,Dynamically balanced rotating part to ensure vibration free operations,Eco-friendly, ergonomically designed packaging for handling & usages,Robust, statically balanced construction and Special versatile mounting.																									
 murugappa	Date	25-Feb-24	Date	26-Feb-24	Date	27-Feb-24	Revision No																		
	Updated By	SU/V	Verified by	RP/QA	Approved BY	GP/D	Date																		
*Performance under standard conditions																									