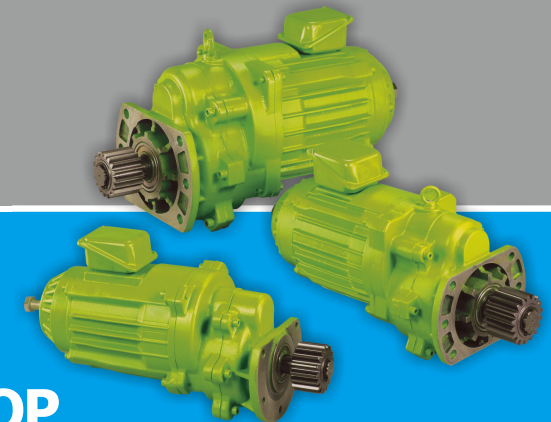




Professional cranes & hoists for lifting



SOFT START/STOP Reduction Gear Motor



CHENG DAY MACHINERY WORKS CO., LTD.

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- First edition of May, 2024 #950405
- No further notice while sizes and dimensions update;
Quotations are based on practical dimensions.
- Due to the printing factors, the color of the products is
subject to minor deviation from the physical objects.



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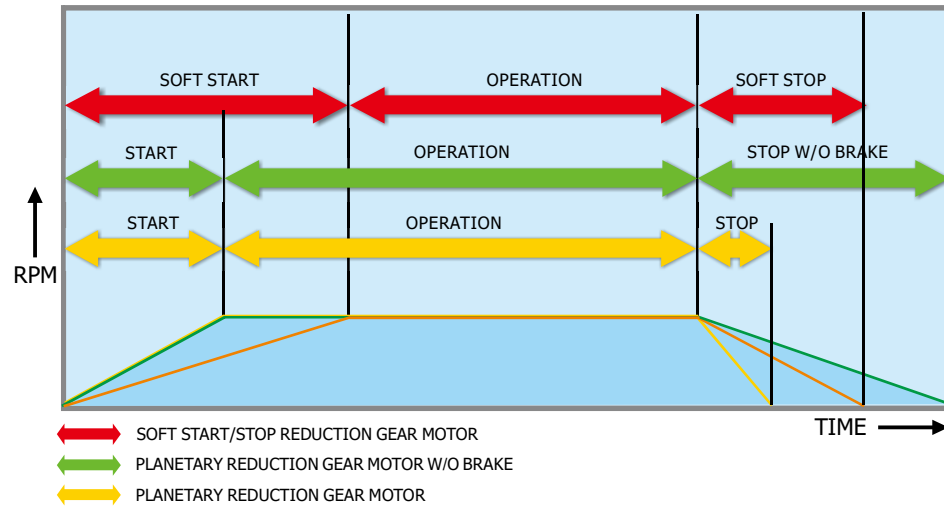


SPECIAL MOTOR FOR HOIST SADDLE

SPECIAL MOTOR FOR HOIST SADDLE



OPERATION CHART OF NST AND PR SERIES REDUCTION GEAR MOTOR



Reducer

- 1.Reducer housing is formed from FC25 high strength material and machined with precision on computer programmed CNC machine.
- 2.Gears machined from SCM21 material, teeth are machine grooved, then gears are heat treated to high hardness for long life.

Flywheel (Soft Start / Stop)

- 1.Incorporate a flywheel provide a smoother acceleration and greatly reduces the pendulum motion when decelerating.
- 2.It provides a restraining effect on the starting torque of the motor thus providing a smooth start and stop.

Motor

- 1.Motor housing design provides rapid heat dissipation.
- 2.Motor offers compact design, low starting amperages while yielding high starting torque; A mandatory requirement for motor.
- 3.Apply to speed of lower than 30 m/min.

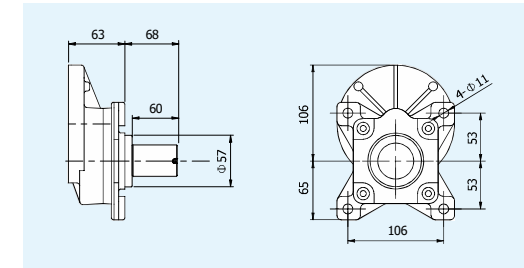
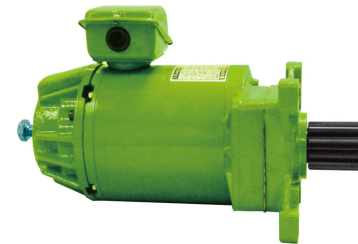
Electromagnetic Brake

- 1.DC brake provides excellent braking capability and easy to adjust and control the braking force for custom application.
- 2.employs wear-resistant linings for longer life.

PRODUCT CODE

G1	A	07	B
GEARBOX SPECIFICATION	REDUCTION RATIO/	CAPACITY/	POLES OF MOTOR WINDING/
G1~G3= Dual Stage Soft Start / Stop Reduction Gear Motor	A=1/8.5 B=1/15 C=1/20 F=1/12 E=1/8 H=1/10	01=0.08, 0.13, 0.17kw 02=0.2, 0.25, 0.27kw 03=0.3, 0.37, 0.38kw 04=0.4, 0.45kw 05=0.5, 0.55kw 06=0.6kw 07=0.73, 0.75kw	09=0.9kw 10=1.0kw 11=1.1kw 13=1.3kw 15=1.5kw 18=1.8kw 19=1.9kw
G4= Single Stage Soft Start / Stop Reduction Gear Motor		20=2.0kw 22=2.2kw 25=2.5kw 28=2.8kw 30=3.0kw 37=3.7, 3.75kw 55=5.5kw	D=4/12P G=6/12P E=8P F=12P C=4/8P
G5= Single Stage Reduction Gear Motor			
G6~G7= Planetary Reduction Gear Motor			

<< G5 SERIES (Non Soft Start/Stop)



Dimension Length (Pinion Included) : 315mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G5E-02A	0.25	4	200V - 600V	1/8	215	179	M3.5x10T M3.5x12T	13
G5E-01B	0.17	6			143	119		
G5E-01E	0.13	8			108	89		
G5E-01F	0.08	12			72	60		
G5E-04A	0.4	4	200V - 600V	1/8	215	179	M3.5x10T M3.5x12T	14
G5E-02B	0.27	6			143	119		
G5E-02E	0.2	8			108	89		
G5E-01F	0.13	12			72	60		
G5E-02C	0.25/0.13	4/8			215/108	179/89		
G5E-02D	0.25/0.08	4/12			215/72	179/60		
G5E-01G	0.17/0.08	6/12			143/72	119/60		

Dimension Length (Pinion Included) : 335mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G5E-04C	0.4/0.2	4/8	200V - 600V	1/8	215/108	179/89	M3.5x10T M3.5x12T	16
G5E-04D	0.4/0.13	4/12			215/72	179/60		
G5E-02G	0.27/0.13	6/12			143/72	119/60		

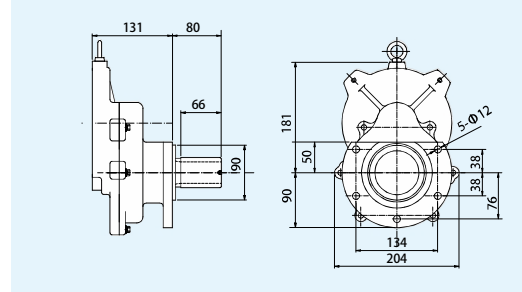
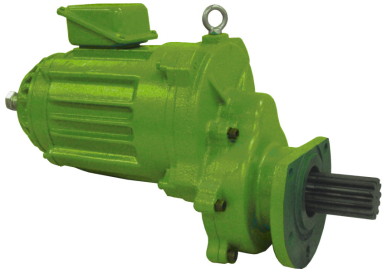


SPECIAL MOTOR FOR HOIST SADDLE

SPECIAL MOTOR FOR HOIST SADDLE



>> G4 SERIES (Soft Start/Stop)



Dimension Length (Pinion Included) : 435mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G4A-04A	0.4	4	200V - 600V	1/8.5	202	168	M3.5x11T M3.5x12T M3.5x13T M3.5x15T	30
G4A-02B	0.27	6			135	112		
G4A-02E	0.2	8			101	84		
G4A-01F	0.13	12			67	56		

Dimension Length (Pinion Included) : 467mm

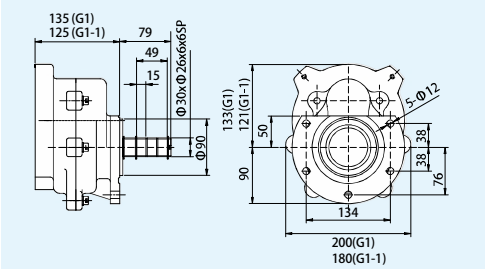
MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G4A-07A	0.75	4	200V - 600V	1/8.5	202	168	M3.5x11T M3.5x12T M3.5x13T M3.5x15T	37
G4A-05B	0.5	6			135	112		
G4A-03E	0.38	8			101	84		
G4A-02F	0.25	12			67	56		
G4A-04C	0.4/0.2	4/8			202/101	168/84		
G4A-04D	0.4/0.13	4/12			202/67	168/56		
G4A-02G	0.27/0.13	6/12			135/67	112/56		
G4A-07A	0.75	4			202	168		

Dimension Length (Pinion Included) : 507mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G4A-07C	0.75/0.38	4/8	200V - 600V	1/8.5	202/101	168/84	M3.5x11T M3.5x12T M3.5x13T M3.5x15T	40
G4A-07D	0.75/0.25	4/12			202/67	168/56		
G4A-05G	0.5/0.25	6/12			135/67	112/56		
G4A-07C	0.75/0.38	4/8			202	168		



<< G1 SERIES (Soft Start/Stop)



Dimension Length (Pinion Included) : 438mm(G1) 428mm(G1-1)

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G1A-04A	0.4	4	200V - 600V	1/8.5	202	168	M3.0 M3.5 M4.0	31
G1A-02B	0.27	6			135	112		
G1A-02E	0.2	8			101	84		
G1A-01F	0.13	12			67	56		
G1B-04A	0.4	4	200V - 600V	1/15	115	95	M3.0 M3.5 M4.0	31
G1B-04A	0.4	4			115	95		28
G1B-02B	0.27	6			76	64		31
G1B-02E	0.2	8			57	48		
G1B-01F	0.13	12			38	32		

Dimension Length (Pinion Included) : 470mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G1A-07A	0.75	4	200V - 600V	1/8.5	202	168	M3.0 M3.5	38
G1A-05B	0.5	6			135	112		
G1A-03E	0.38	8			101	84		
G1A-02F	0.25	12			67	56		
G1A-04C	0.4/0.2	4/8			202/101	168/84		
G1A-04D	0.4/0.13	4/12			202/67	168/56		
G1A-02G	0.27/0.13	6/12			135/67	112/56		
G1B-07A	0.75	4	200V - 600V	1/15	115	95	M4.0	38
G1B-05B	0.5	6			76	64		
G1B-03E	0.38	8			57	48		
G1B-02F	0.25	12			38	32		
G1B-04C	0.4/0.2	4/8			115/57	95/48		
G1B-04D	0.4/0.13	4/12			115/38	95/32		
G1B-02G	0.27/0.13	6/12			76/38	64/32		

Dimension Length (Pinion Included) : 510mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G1A-07C	0.75/0.38	4/8	200V - 600V	1/8.5	202/101	168/84	M3.0 M3.5 M4.0	41
G1A-07D	0.75/0.25	4/12			202/67	168/56		
G1A-05G	0.5/0.25	6/12			135/67	112/56		
G1B-07C	0.75/0.38	4/8			115/57	95/48		
G1B-07D	0.75/0.25	4/12	200V - 600V	1/15	115/38	95/32	M4.0	41
G1B-05G	0.5/0.25	6/12			76/38	64/32		

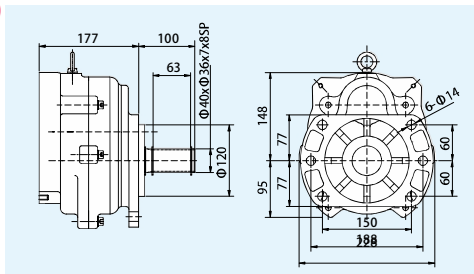


SPECIAL MOTOR FOR HOIST SADDLE

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>> G2 SERIES (Soft Start/Stop)



Dimension Length (Pinion Included) : 538mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G2F-11A	1.1	4	200V - 600V	1/12	143	119	M3.5 M4.0 M6.0	50
G2F-07B	0.73	6			96	79		
G2F-05E	0.55	8			72	60		
G2F-03F	0.37	12			48	40		
G2C-11A	1.1	4	200V - 600V	1/20	86	72	M3.5 M4.0 M6.0	50
G2C-07B	0.73	6			57	48		
G2C-05E	0.55	8			43	36		
G2C-03F	0.37	12			29	24		

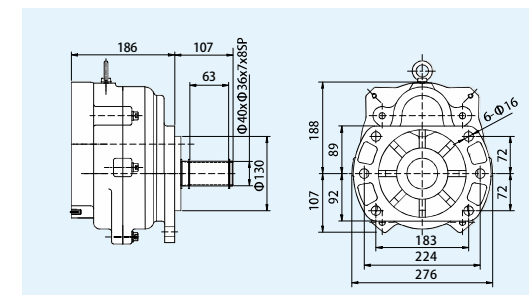
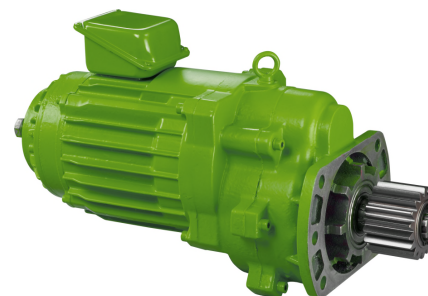
Dimension Length (Pinion Included) : 550mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G2F-15A	1.5	4	200V - 600V	1/12	143	119	M3.5 M4.0 M6.0	53
G2F-10B	1.0	6			96	79		
G2F-07E	0.75	8			72	60		
G2F-05F	0.5	12			48	40		
G2C-15A	1.5	4	200V - 600V	1/20	86	72	M3.5 M4.0 M6.0	53
G2C-10B	1.0	6			57	48		
G2C-07E	0.75	8			43	36		
G2C-05F	0.5	12			29	24		

Dimension Length (Pinion Included) : 630mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G2F-11C	1.1/0.55	4/8	200V - 600V	1/12	143/72	119/60	M3.5	65
G2F-11D	1.1/0.37	4/12			143/48	119/40	M4.0	
G2F-07G	0.73/0.37	6/12			96/48	79/40	M6.0	
G2C-11C	1.1/0.55	4/8	200V - 600V	1/20	86/43	72/36	M3.5	65
G2C-11D	1.1/0.37	4/12			86/29	72/24	M4.0	
G2C-07G	0.73/0.37	6/12			57/29	48/24	M6.0	
G2F-15C	1.5/0.75	4/8	200V - 600V	1/12	143/72	119/60	M3.5	68
G2F-15D	1.5/0.5	4/12			143/48	119/40	M4.0	
G2F-10G	1.0/0.5	6/12			96/48	79/40	M6.0	
G2C-15C	1.5/0.75	4/8	200V - 600V	1/20	86/43	72/36	M3.5	68
G2C-15D	1.5/0.5	4/12			86/29	72/24	M4.0	
G2C-10G	1.0/0.5	6/12			57/29	48/24	M6.0	

<< G3 SERIES (Soft Start/Stop)



Dimension Length (Pinion Included) : 605mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G3F-22A	2.2	4	200V - 600V	1/12	143	119	M3.5 M4.0 M6.0	87
G3F-15B	1.5	6			96	79		
G3F-11E	1.1	8			72	60		
G3F-07F	0.73	12			48	40		
G3C-22A	2.2	4	200V - 600V	1/20	86	72	M3.5 M4.0 M6.0	87
G3C-15B	1.5	6			57	48		
G3C-11E	1.1	8			43	36		
G3C-07F	0.73	12			29	24		
G3F-30A	3.0	4	200V - 600V	1/12	143	119	M3.5 M4.0 M6.0	91
G3F-20B	2.0	6			96	79		
G3F-15E	1.5	8			72	60		
G3F-10F	1.0	12			48	40		
G3C-30A	3.0	4	200V - 600V	1/20	86	72	M3.5 M4.0 M6.0	91
G3C-20B	2.0	6			57	48		
G3C-15E	1.5	8			43	36		
G3C-10F	1.0	12			29	24		

Dimension Length (Pinion Included) : 625mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G3F-37A	3.75	4	200V - 600V	1/12	143	119	M3.5 M4.0 M6.0	94
G3F-25B	2.5	6			96	79		
G3F-19E	1.9	8			72	60		
G3F-13F	1.3	12			48	40		
G3C-37A	3.75	4	200V - 600V	1/20	86	72	M3.5 M4.0 M6.0	94
G3C-25B	2.5	6			57	48		
G3C-19E	1.9	8			43	36		
G3C-13F	1.3	12			29	24		

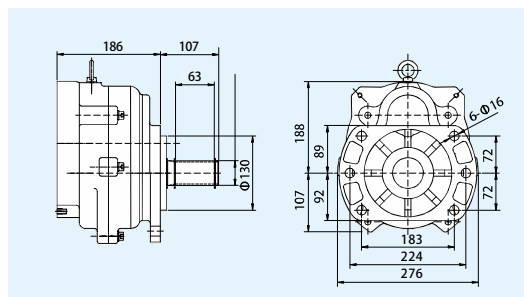


SPECIAL MOTOR FOR HOIST SADDLE

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>> G3 SERIES (Soft Start/Stop)



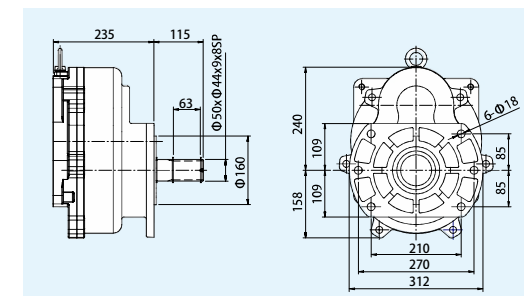
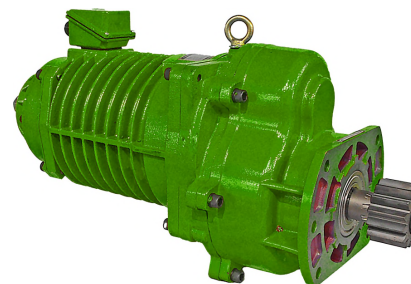
Dimension Length (Pinion Included) : 675mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G3F-22C	2.2/1.1	4/8	200V - 600V	1/12	143/72	119/60	M3.5	102
G3F-22D	2.2/0.73	4/12			143/48	119/40		
G3F-15G	1.5/0.73	6/12			96/48	79/40		
G3C-22C	2.2/1.1	4/8	200V - 600V	1/20	86/43	72/36	M6.0	106
G3C-22D	2.2/0.73	4/12			86/29	72/24		
G3C-15G	1.5/0.73	6/12			57/29	48/24		
G3F-30C	3.0/1.5	4/8	200V - 600V	1/12	143/72	119/60	M3.5	106
G3F-30D	3.0/1.0	4/12			143/48	119/40		
G3F-20G	2.0/1.0	6/12			96/48	79/40		
G3C-30C	3.0/1.5	4/8	200V - 600V	1/20	86/43	72/36	M4.0	106
G3C-30D	3.0/1.0	4/12			86/29	72/24		
G3C-20G	2.0/1.0	6/12			57/29	48/24		

Dimension Length (Pinion Included) : 695mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G3F-37C	3.75/1.9	4/8	200V - 600V	1/12	143/72	119/60	M3.5	110
G3F-37D	3.75/1.3	4/12			143/48	119/40		
G3F-25G	2.5/1.3	6/12			96/48	79/40		
G3C-37C	3.75/1.9	4/8	200V - 600V	1/20	86/43	72/36	M6.0	110
G3C-37D	3.75/1.3	4/12			86/29	72/24		
G3C-25G	2.5/1.3	6/12			57/29	48/24		

<< G8 SERIES (Soft Start/Stop)



Dimension Length (Pinion Included) : 833mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G8F-55A	5.5	4	200V - 600V	1/12	143	119	M6.0	172
G8F-37B	3.7	6			96	79		
G8F-28E	2.8	8			72	60		
G8F-18F	1.8	12	200V - 600V	1/20	48	40	M10.0	195
G8C-55A	5.5	4			86	72		
G8C-37B	3.7	6			57	48		
G8C-28E	2.8	8	200V - 600V	1/12	43	36	M6.0	195
G8C-18F	1.8	12			29	24		
G8F-55C	5.5/2.8	4/8			143/72	119/60		
G8F-55D	5.5/1.8	4/12	200V - 600V	1/12	143/48	119/40	M6.0	195
G8F-37G	3.7/1.8	6/12			96/48	79/40		
G8C-55C	5.5/2.8	4/8			86/43	72/36		
G8C-55D	5.5/1.8	4/12	200V - 600V	1/20	86/29	72/24	M10.0	195
G8C-37G	3.7/1.8	6/12			57/29	48/24		

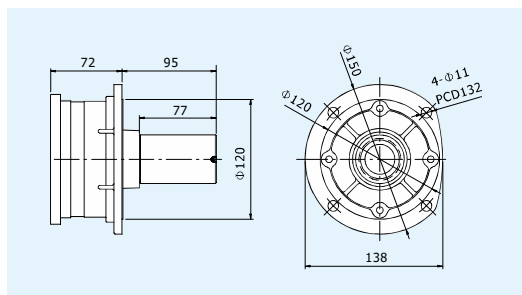


SPECIAL MOTOR FOR HOIST SADDLE

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>> G6 SERIES (Non Soft Start/Stop)



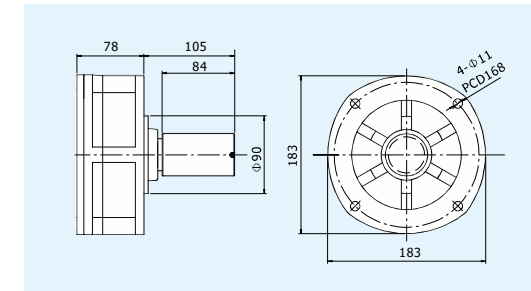
Dimension Length (Pinion Included) : 350mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G6H-02A	0.25	4	200V - 600V	1/10	172	143	M3.0x13T	12
G6H-01B	0.17	6			115	95	M3.0x15T	
G6H-01E	0.13	8			86	72	M3.5x12T	
G6H-01F	0.08	12			57	48	M3.5x16T	
G6H-04A	0.4	4	200V - 600V	1/10	172	143	M3.0x13T M3.0x15T M3.5x12T M3.5x16T	13
G6H-02B	0.27	6			115	95		
G6H-02E	0.2	8			86	72		
G6H-01F	0.13	12			57	48		
G6H-02C	0.25/0.13	4/8			172/86	143/72		
G6H-02D	0.25/0.08	4/12			172/57	143/48		
G6H-01G	0.17/0.08	6/12			115/57	95/48		

Dimension Length (Pinion Included) : 370mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G6H-04C	0.4/0.2	4/8	200V - 600V	1/10	172/86	143/72	M3.0x13T M3.0x15T M3.5x12T M3.5x16T	15
G6H-04D	0.4/0.13	4/12			172/57	143/48		
G6H-02G	0.27/0.13	6/12			115/57	95/48		

<< G7 SERIES (Non Soft Start/Stop)



Dimension Length (Pinion Included) : 375mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G7H-06A	0.6	4	200V - 600V	1/10	172	143	M3.5x18T M3.5x23T M4.0x18T M4.0x22T	21
G7H-04B	0.4	6			115	95		
G7H-03E	0.3	8			86	72		
G7H-02F	0.2	12			57	48		

Dimension Length (Pinion Included) : 405mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G7H-09A	0.9	4	200V - 600V	1/10	172	143	M3.5x18T M3.5x23T M4.0x18T M4.0x22T	25
G7H-06B	0.6	6			115	95		
G7H-04E	0.45	8			86	72		
G7H-03F	0.3	12			57	48		
G7H-06C	0.6/0.3	4/8			172/86	143/72		
G7H-06D	0.6/0.2	4/12			172/57	143/48		
G7H-04G	0.4/0.2	6/12			115/57	95/48		

Dimension Length (Pinion Included) : 430mm

MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G7H-09C	0.9/0.45	4/8	200V - 600V	1/10	172/86	143/72	M3.5x18T M3.5x23T M4.0x18T M4.0x22T	28
G7H-09D	0.9/0.3	4/12			172/57	143/48		
G7H-06G	0.6/0.3	6/12			115/57	95/48		