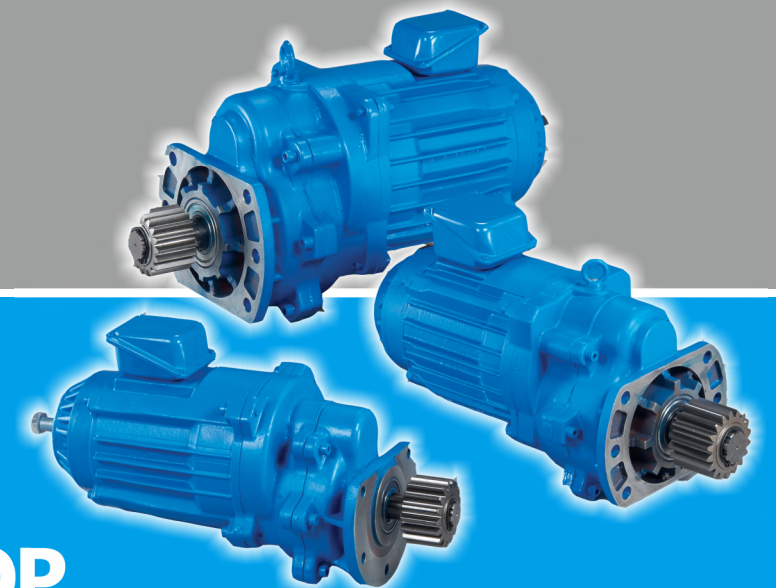




Professional cranes & hoists for lifting



SOFT START/STOP Reduction Gear Motor



CHENG DAY MACHINERY WORKS CO., LTD.

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- Revision of October, 2024(Edition No.9) #950192
- 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.



CHENG DAY MACHINERY WORKS CO., LTD.

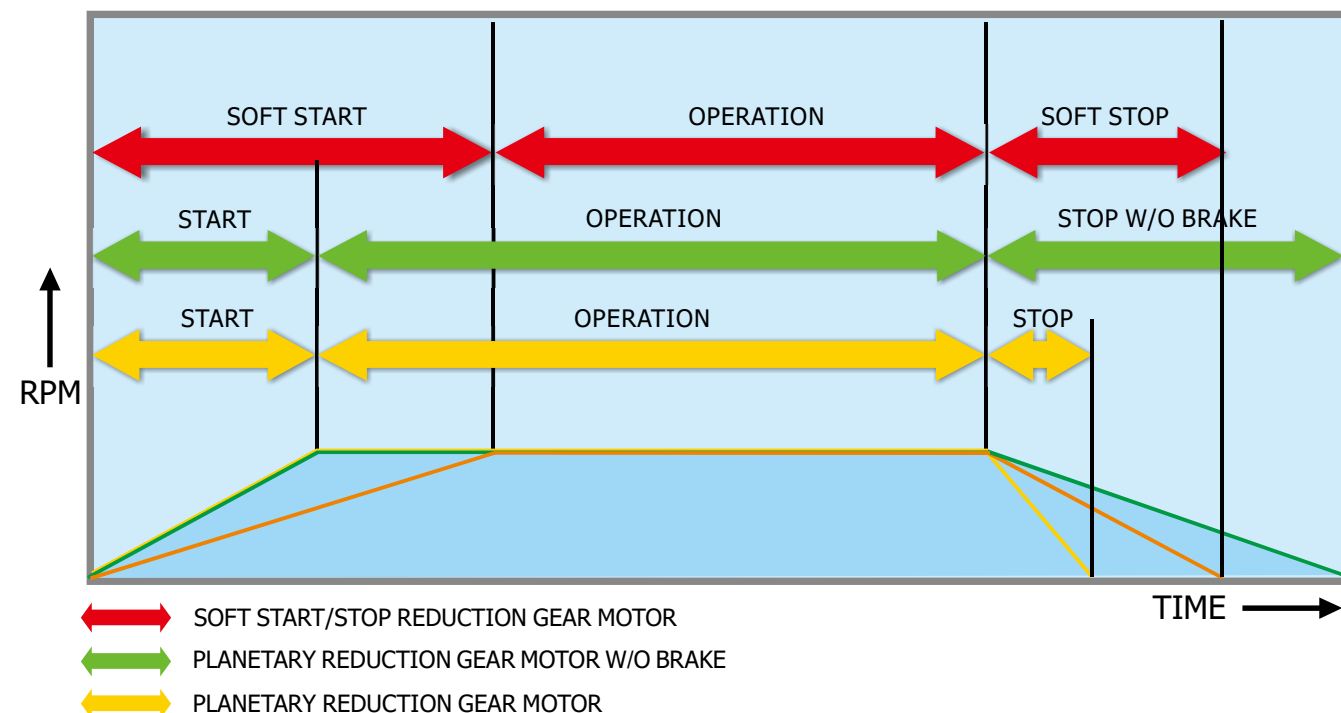


SPECIAL MOTOR FOR HOIST SADDLE

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.ncorporate 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.

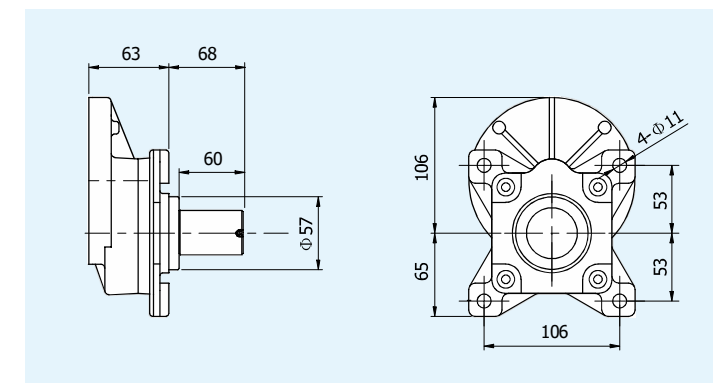
Electromagnetic Brake

- 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	01=0.08, 0.13, 0.17kw	A=4P D=4/12P
G1-1= Dual Stage Soft Start / Stop Reduction Gear Motor	B=1/15	02=0.2, 0.25, 0.27kw	B=6P G=6/12P
G4= Single Stage Soft Start / Stop Reduction Gear Motor	C=1/20	03=0.3, 0.37, 0.38kw	E=8P
G5= Single Stage Reduction Gear Motor	F=1/12	04=0.4, 0.45kw	F=12P
G6~G7= Planetary Reduction Gear Motor	E=1/8	05=0.5, 0.55kw	C=4/8P
	H=1/10	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	
		20=2.0kw	
		22=2.2kw	
		25=2.5kw	
		28=2.8kw	
		30=3.0kw	
		37=3.7, 3.75kw	
		55=5.5kw	

<< 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		

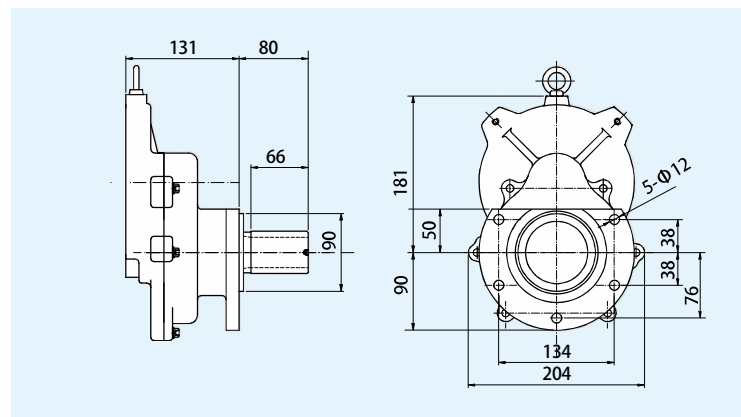


SPECIAL MOTOR FOR HOIST SADDLE

SPECIAL MOTOR FOR HOIST SADDLE



>> G4 SERIES (Soft Start/Stop)



Dimension Length (Pinion Included) : 435mm

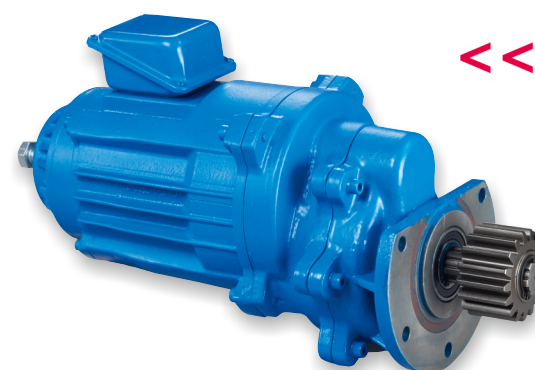
MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G4A-04A	0.4	4	200V - 600V	1/8.5	202	168	M3.5x11T M3.5x12T M3.5x13T M3.5x15T	30
G4A-02B	0.27	6			135	112		
G4A-02E	0.2	8			101	84		
G4A-01F	0.13	12			67	56		

Dimension Length (Pinion Included) : 467mm

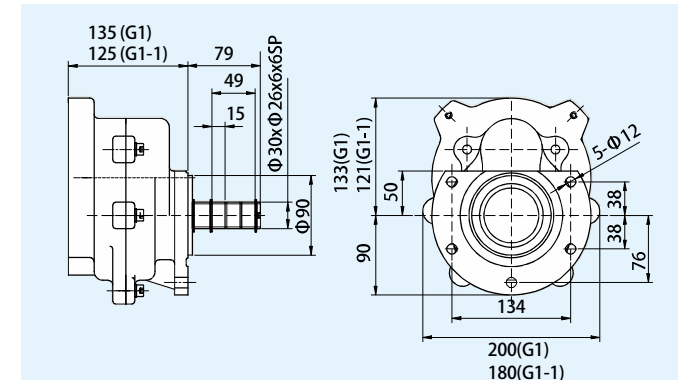
MODEL	POWER (kw)	POLE (P)	VOLTAGE	RAT.	RPM.		PINION (Replaceable)	WEIGHT (kg)
					60Hz	50Hz		
G4A-07A	0.75	4	200V - 600V	1/8.5	202	168	M3.5x11T M3.5x12T M3.5x13T M3.5x15T	37
G4A-05B	0.5	6			135	112		
G4A-03E	0.38	8			101	84		
G4A-02F	0.25	12			67	56		
G4A-04C	0.4/0.2	4/8			202/101	168/84		
G4A-04D	0.4/0.13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

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		



<< 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
G1-1B-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)	WEIGH (kg)
					60Hz	50Hz		
G1A-07A	0.75	4	200V - 600V	1/8.5	202	168	M3.0	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	M3.5	
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	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	200V - 600V	1/15	115/57	95/48	M4.0	41
G1B-07D	0.75/0.25	4/12			115/38	95/32		
G1B-05G	0.5/0.25	6/12			76/38	64/32		

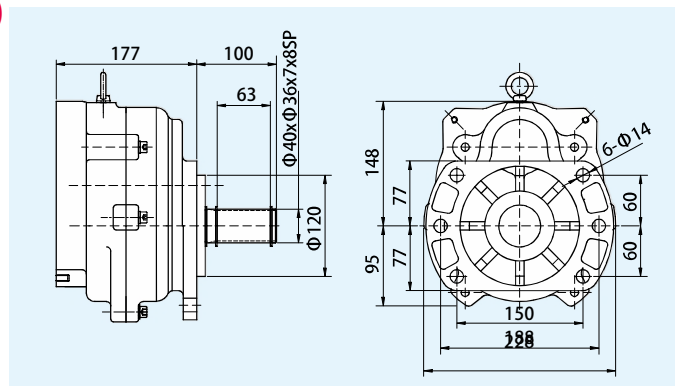


SPECIAL MOTOR FOR HOIST SADDLE

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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		

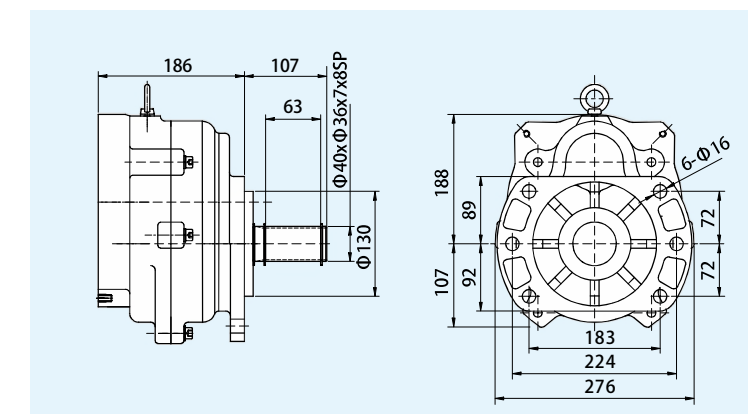
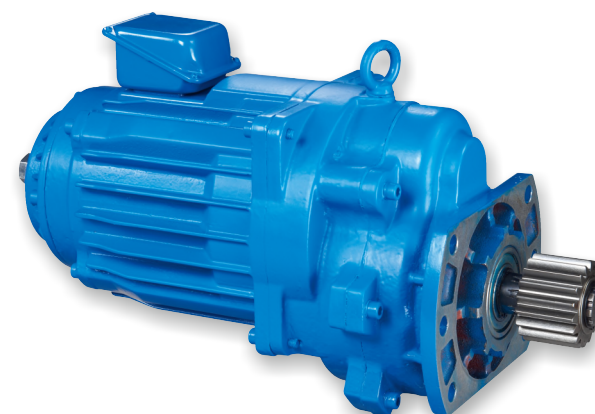
Dimension Length (Pinion Included) : 550mm

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 M4.0 M6.0	65
G2F-11D	1.1/0.37	4/12			143/48	119/40		
G2F-07G	0.73/0.37	6/12			96/48	79/40		
G2C-11C	1.1/0.55	4/8	200V - 600V	1/20	86/43	72/36	M3.5 M4.0 M6.0	65
G2C-11D	1.1/0.37	4/12			86/29	72/24		
G2C-07G	0.73/0.37	6/12			57/29	48/24		
G2F-15C	1.5/0.75	4/8	200V - 600V	1/12	143/72	119/60	M3.5 M4.0 M6.0	68
G2F-15D	1.5/0.5	4/12			143/48	119/40		
G2F-10G	1.0/0.5	6/12			96/48	79/40		
G2C-15C	1.5/0.75	4/8	200V - 600V	1/20	86/43	72/36	M3.5 M4.0 M6.0	68
G2C-15D	1.5/0.5	4/12			86/29	72/24		
G2C-10G	1.0/0.5	6/12			57/29	48/24		

<< 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		

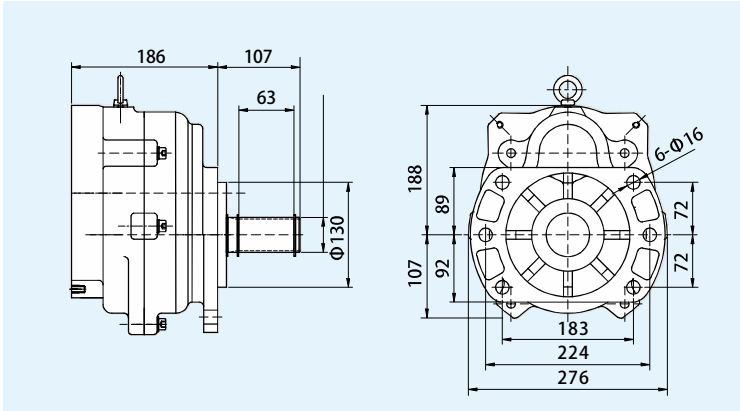
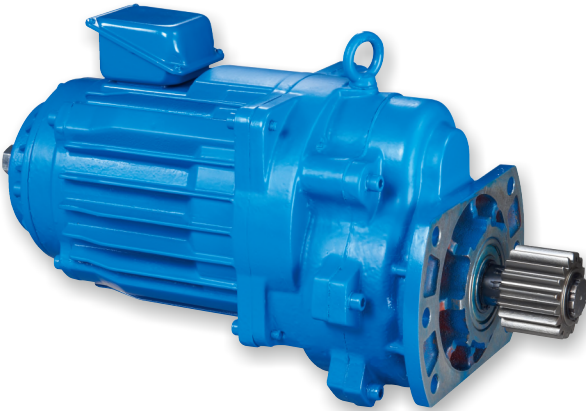


SPECIAL MOTOR FOR HOIST SADDLE

SPECIAL MOTOR FOR HOIST SADDLE



>> **G3 SERIES** (Soft Start/Stop)



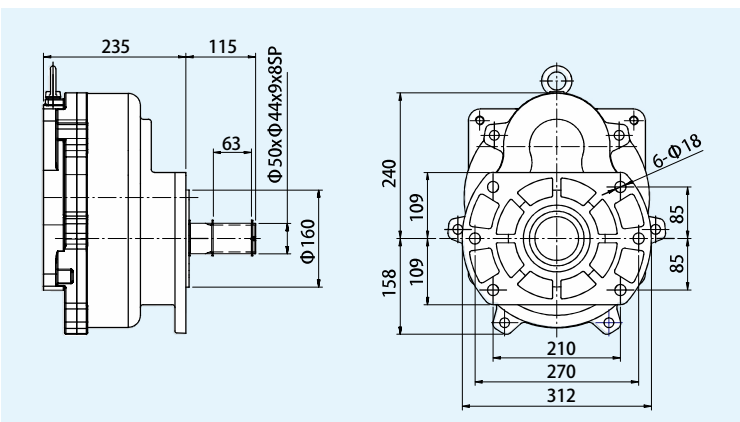
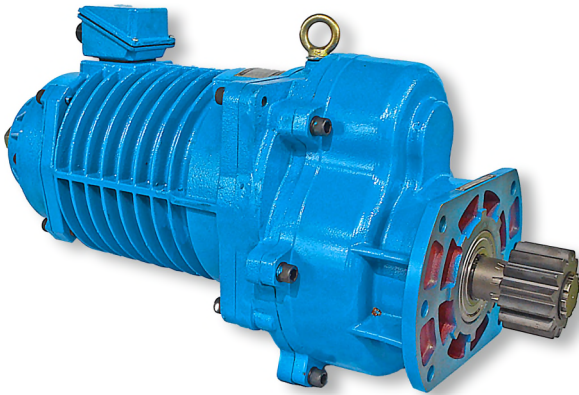
Dimension Length (Pinion Included) : 675mm

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	110
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	M6.0	110
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			48	40		
G8C-55A	5.5	4	200V - 600V	1/20	86	72	M10.0	195
G8C-37B	3.7	6			57	48		
G8C-28E	2.8	8			43	36		
G8C-18F	1.8	12			29	24		
G8F-55C	5.5/2.8	4/8	200V - 600V	1/12	143/72	119/60	M6.0	195
G8F-55D	5.5/1.8	4/12			143/48	119/40		
G8F-37G	3.7/1.8	6/12			96/48	79/40		
G8C-55C	5.5/2.8	4/8	200V - 600V	1/20	86/43	72/36	M10.0	195
G8C-55D	5.5/1.8	4/12			86/29	72/24		
G8C-37G	3.7/1.8	6/12			57/29	48/24		

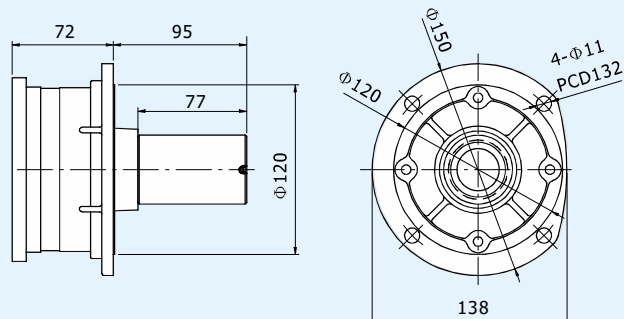
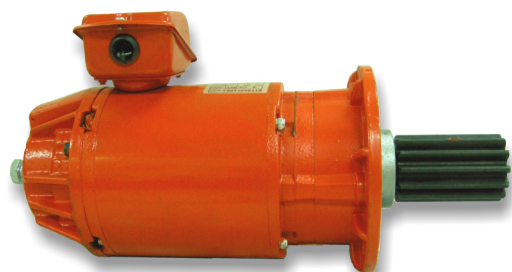


SPECIAL MOTOR FOR HOIST SADDLE

SPECIAL MOTOR FOR HOIST SADDLE



>> G6 SERIES (Non Soft Start/Stop)



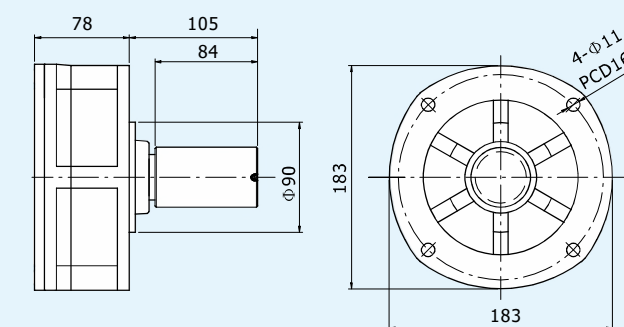
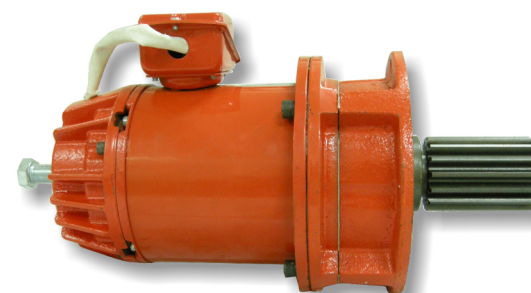
Dimension Length (Pinion Included) : 350mm

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 M3.0x15T M3.5x12T M3.5x16T	12
G6H-01B	0.17	6			115	95		
G6H-01E	0.13	8			86	72		
G6H-01F	0.08	12			57	48		
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		