



Parallel Shaft

G3 Series Gearmotor • Reducer

Model • Type Designation Standard Model Lineup

G3
Series

Gearmotor/Gearmotor with Brake

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Water-Resistant (IP65) Gearmotor/Gearmotor with Brake

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Gearmotor with Clutch and Brake

(Standard Type/Heavy duty)

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Reducer (Double Shaft Type)

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S-Type Reducer (Designated Motor Attachable Type)

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Model and Type Designation G3 Series(Parallel Shaft)

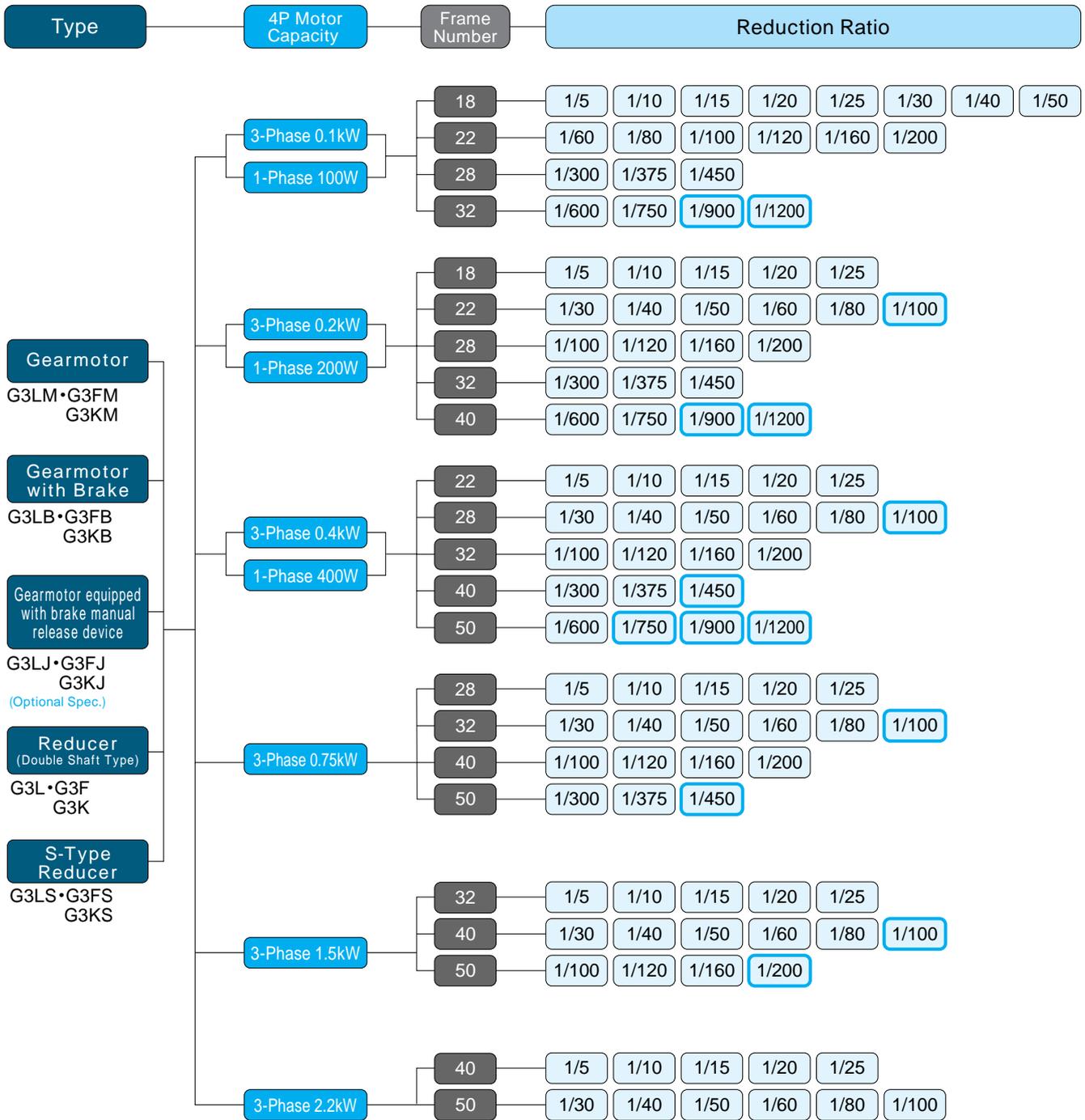
G3 series gearmotors and reducers are classified by codes as shown below. Specify these codes in your inquiry and order.

Type	Frame Number	Reduction Ratio	Motor Capacity	Option	Auxiliary Mark	Spec. Designation
G3 L M	22	50	T020	W A		
G3 F B	40	200	075		X	T9HZ

Series Name	G3 : G3 Series(Parallel Shaft)
Classification by Mount Form	L : Foot Mount
	F : Flange Mount
	K : Small Flange Mount(Frame No.18 ~ 32)
Classification by Motor Type	M : With Motor
	B : With Brake Motor
	J : With Brake Manual Release Device(Option)
	W : With Water-resistant Motor(Output Shaft material:SUS420J2)
	V : With Water-resistant Brake Motor(Output Shaft material:SUS420J2)
	G : With Outdoor Motor(Output Shaft material: S43C)
	H : With Outdoor Brake Motor(Output Shaft material: S43C)
	E : With Clutch/Brake
	Blank : Without Motor(Double Shaft Type)
	S : Designated Motor Attachable Type(S Type)
Frame No. and Diameter of Output shaft	Output Shaft Diameter
Reduction Ratio	5 : 1 / 5 ~ 1200 : 1 / 1200
Motor Designation and Capacity	T010 : 3-phase 0.1kW 010:0.1kW or equiv. (Parallel Shaft+S-Type)
	T020 : 3-phase 0.2kW 020:0.2kW or equiv. (Parallel Shaft+S-Type)
	T040 : 3-phase 0.4kW 040:0.4kW or equiv. (Parallel Shaft+S-Type)
	075 : 3-phase 0.75kW 0.75kW or equiv. (Parallel Shaft+S-Type)
	150 : 3-phase 1.5kW 1.5kW or equiv. (Parallel Shaft+S-Type)
	220 : 3-phase 2.2kW 2.2kW or equiv. (Parallel Shaft+S-Type)
	100 : 1-phase 100W
	200 : 1-phase 200W
	400 : 1-phase 400W
	Option
Note 1: For orders of gearmotors with the capacity of less than 0.4Kw and with terminal box, specify A or Z at the end of the capacity designation. In the standard specs. of gearmotors of the capacity of 0.4Kw with clutch and brake, the terminal box is originally equipped with, therefore, for orders, specify A at the end of the capacity designation accordingly. (Example:G3LE-22-10-T040A) All the products of the capacity of 0.75 ~ 2.2KW are equipped with terminal box and have no additional mark at the end of capacity designation. For the products equipped with rectifier, refer to P. E26. Note 2: Standard 1-phase products are not equipped with terminal box. Terminal box should be ordered additionally. Note 3: The E-Type terminal box is equipped as a standard, to the Water-Protect, Outdoor Type products. Therefore, for orders, specify E at the end of the capacity designation. Note 4: 1. The position of the terminal box hole is downward direction. 2. Without capcon. 3. Separate Rectifier 4. Insert brake lead wires in the terminal box. 5. With Screw-tap process.	W : High Voltage 3-phase: 380V / 50Hz, 400V / 50Hz, 400V / 60Hz, 440V / 60Hz 0.1kW ~ 0.4kW Without Terminal Box (Note 1) 0.75kW ~ 2.2kW With Terminal Box 1-phase : 200V / 50Hz, 200V / 60Hz (Custom design Specs.) Without Terminal Box (Note 2)
	A : Terminal Box(Option)
	Z : For 3-phase Brake Motor, Terminal Box with a built-in rectifier(Option)
	E : Terminal Box for Water-resistant outdoor motor(Standard Specs.) (Note 3)
	A1 : (Note 4)
Auxiliary Mark	Blank : Standard Specs. X : Mark for Additional Specs.
Spec. Designation	Indication of Terminal Box lead wire position Refer to the indication mark list in P. E35 for details.

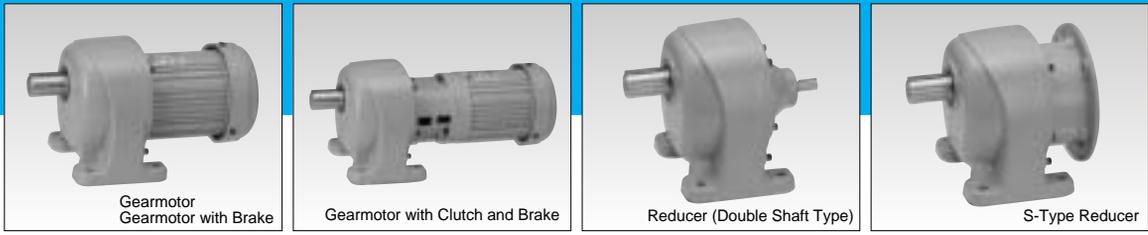
- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Standard Model Lineup G3 Series(Parallel Shaft)



Note 1) In the G3 Series, 3 kinds are available, namely Foot Mount, Flange Mount and Small Flange Mount. Please note that the Small Flange Mount is available only for the frame No.18 ~ 32.

2) The models enclosed with orange color bold line are low torque type. Special care should be given to the allowable torque in the performance table.



Type	4P Motor Capacity	Frame Number	Reduction Ratio														
Standard Type GT-PACK Gearmotor with Clutch and Brake G3LE・G3FE G3KE	3-Phase 0.1kW	18	1/5	1/10	1/15	1/20	1/25	1/30	1/40	1/50							
		22	1/60	1/80	1/100	1/120	1/160	1/200									
	3-Phase 0.2kW	18	1/5	1/10	1/15	1/20	1/25										
		22	1/30	1/40	1/50	1/60	1/80	1/100									
		28	1/100	1/120	1/160	1/200											
	3-Phase 0.4kW	22	1/5	1/10	1/15	1/20	1/25										
		28	1/30	1/40	1/50	1/60	1/80	1/100									
		32	1/100	1/120	1/160	1/200											
	3-Phase 0.75kW	28	1/5	1/10	1/15	1/20	1/25										
		32	1/30	1/40	1/50	1/60	1/80	1/100									
		40	1/100	1/120	1/160	1/200											
	Reinforced Type GT-PACK Gearmotor with Clutch and Brake G3LE・G3FE G3KE	3-Phase 0.2kW	22	1/5	1/10	1/15	1/20	1/25									
			28	1/30	1/40	1/50	1/60	1/80									
			32	1/100	1/120	1/160	1/200										
		3-Phase 0.4kW	28	1/5	1/10	1/15	1/20	1/25									
			32	1/30	1/40	1/50	1/60	1/80									
40			1/100	1/120	1/160	1/200											
3-Phase 0.75kW		32	1/5	1/10	1/15	1/20	1/25										
		40	1/30	1/40	1/50	1/60	1/80										
		50	1/100	1/120	1/160	1/200											

Note 1) In the G3 Series, 3 kinds are available, namely Foot Mount, Flange Mount and Small Flange Mount. Please note that the Small Flange Mount is available only for the frame No.18 ~ 32.

2) The models enclosed with orange color bold line are low torque type. Special care should be given to the allowable torque in the performance table.

- Parallel Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
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Parallel Shaft

Gearmotor Gearmotor with Brake

Model • Type Designation Standard Model Lineup

G3

Series

Standard Specifications G3 Series

Motor Part	Number of phase	3-Phase	1-Phase
	Capacity	0.1kW ~ 2.2kW	100W ~ 400W
	Power Source	3 Rated Power Source 200V 50/60Hz, 220V/60Hz	100V 50/60Hz
	Insulation Classification	Class B	Class B
	Starting Method	Direct start	Capacitor Start
	Protective cooling Method	Totally Enclosed fan-cooled (Totally Enclosed only for 0.1kW without brake)	Totally Enclosed fan-cooled
	Number of Pole	4	
Rating	Continuous Rating		
Speed Reduction Part	Reduction Method	Helical gear	
	Lubrication	Grease Lubrication(Maintenance Free)	
	Output Shaft	New JIS Key(JIS 1301-1996 Standard)	
	Output Shaft Material	S43C	
Case Material	Aluminium die-cast(Frame No.50: Cast iron)		
Ambient Conditions	Ambient Temperature	- 10 ~ 40	
	Ambient Humidity	85% max.(without any dew condensation)	
	Altitude	1,000m max.	
	Environment	Well ventilated place free from corrosive gas, explosive gas vapor and/or dust.	
Painting	Installation Location	Indoors	
	Painting Method	Anion painting, Acrylic paint	
	Painting Color	Grey(Mansel code: 9B6/0.5)	
Mounting Direction	No restriction in the mounting angle.(horizontally, vertically or heeling angle)		

Model and Type Designation G3 Series(Parallel Shaft)

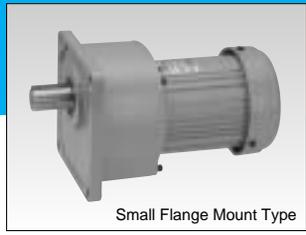
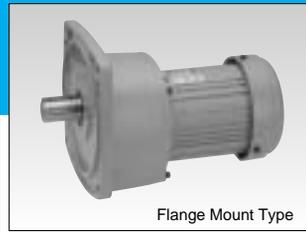
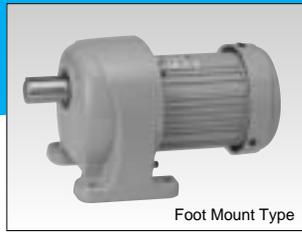
G3 series gearmotors and gearmotor with brake are classified by codes as shown below. Specify these codes in your inquiry and order.

Type	Frame Number	Reduction Ratio	Motor Capacity	Option	Auxiliary Mark	Spec. Designation
G3 L M	22	50	T020	W A		
G3 F B	40	200	075		X	T9HZ

Series Name	G3 : G3 Series(Parallel Shaft)
Classification by Mount Form	L : Foot Mount
	F : Flange Mount
	K : Small Flange Mount(Frame No.18 ~ 32)
Classification by Motor Type	M : With Motor
	B : With Brake Motor
	J : With Brake Manual Release Device(Option)
Frame No. and Diameter of Output shaft	Output Shaft Diameter
Reduction Ratio	5 : 1 / 5 ~ 1200 : 1 / 1200
Motor Designation and Capacity	T010 : 3-phase 0.1 kW
	T020 : 3-phase 0.2 kW
	T040 : 3-phase 0.4 kW
	075 : 3-phase 0.75kW
	150 : 3-phase 1.5 kW
	220 : 3-phase 2.2 kW
	100 : 1-phase 100W
	200 : 1-phase 200W
	400 : 1-phase 400W
Option	Blank : Standard Specifications 3-phase : 200V / 50Hz, 200V / 60Hz, 220V / 60Hz 0.1kW ~ 0.4kW Without Terminal Box (Note 1) 0.75kW ~ 2.2kW With Terminal Box 1-phase : 100V / 50Hz, 100V / 60Hz Without Terminal Box (Note 2)
	W : High Voltage 3-phase : 380V / 50Hz, 400V / 50Hz, 400V / 60Hz, 440V / 60Hz 0.1kW ~ 0.4kW Without Terminal Box (note 1) 0.75kW ~ 2.2kW With Terminal Box 1-phase : 200V / 50Hz, 200V / 60Hz (Custom design Specs.) Without Terminal Box (Note 2)
	A : Terminal Box(Option)
	Z : For 3-phase Brake Motor, Terminal Box with a built-in rectifier(Option)
	A1 : (Note 3)
Auxiliary Mark	Blank : Standard Specs.
	X : Mark for Additional Specs
Spec. Designation	Indication of Terminal Box lead wire position
	Refer to the indication mark list in P. E35 for details.

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Standard Model Lineup



Type	4P Motor Capacity	Frame Number	Reduction Ratio							
Gearmotor G3LM•G3FM G3KM Gearmotor with Brake G3LB•G3FB G3KB Gearmotor equipped with brake manual release device G3LJ•G3FJ G3KJ (Optional Spec.)	3-Phase 0.1kW 1-Phase 100W	18	1/5	1/10	1/15	1/20	1/25	1/30	1/40	1/50
		22	1/60	1/80	1/100	1/120	1/160	1/200		
		28	1/300	1/375	1/450					
		32	1/600	1/750	1/900	1/1200				
	3-Phase 0.2kW 1-Phase 200W	18	1/5	1/10	1/15	1/20	1/25			
		22	1/30	1/40	1/50	1/60	1/80	1/100		
		28	1/100	1/120	1/160	1/200				
		32	1/300	1/375	1/450					
	3-Phase 0.4kW 1-Phase 400W	22	1/5	1/10	1/15	1/20	1/25			
		28	1/30	1/40	1/50	1/60	1/80	1/100		
		32	1/100	1/120	1/160	1/200				
		40	1/300	1/375	1/450					
3-Phase 0.75kW	28	1/5	1/10	1/15	1/20	1/25				
	32	1/30	1/40	1/50	1/60	1/80	1/100			
	40	1/100	1/120	1/160	1/200					
	50	1/300	1/375	1/450						
3-Phase 1.5kW	32	1/5	1/10	1/15	1/20	1/25				
	40	1/30	1/40	1/50	1/60	1/80	1/100			
	50	1/100	1/120	1/160	1/200					
3-Phase 2.2kW	40	1/5	1/10	1/15	1/20	1/25				
	50	1/30	1/40	1/50	1/60	1/80	1/100			

Note 1) In the G3 Series, 3 kinds are available, namely Foot Mount, Flange Mount and Small Flange Mount. Please note that the Small Flange Mount is available only for the frame No.18 ~ 32.

2) The models enclosed with orange color bold line are low torque type. Special care should be given to the allowable torque in the performance table.

- Parallel Shaft Performance Table/Dimension
- Gearmotor with Brake
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- Reduce (Double Shaft)
- S-Type Reducer
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Parallel Shaft

Gearmotor Gearmotor with Brake

Performance Table Dimension diagram

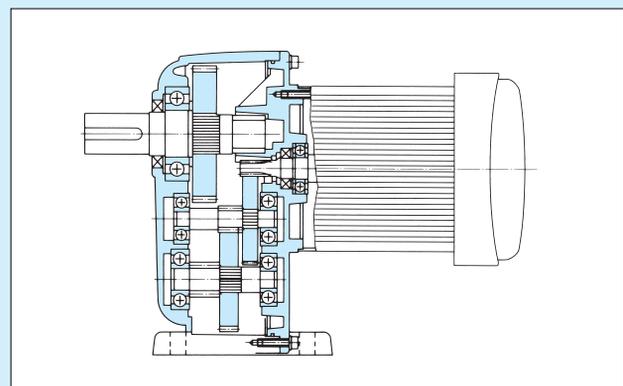
G3

Series

3-Phase

【Remarks】

Values in the parenthesis in the performance table/dimension diagram are the values of gearmotor with brake.
The output rotation speed is the value corresponds to the motor synchronous speed and the nominal reduction ratio.
The Shaded areas  in the performance table shows that in case gearmotors are wired according to the diagram shown on [page E16](#), the shaft rotates clock wise when viewing from output side. (Refer to the diagram shown below.)



Gearmotor Gearmotor with Brake

G3 Series 3-Phase 0.1kW

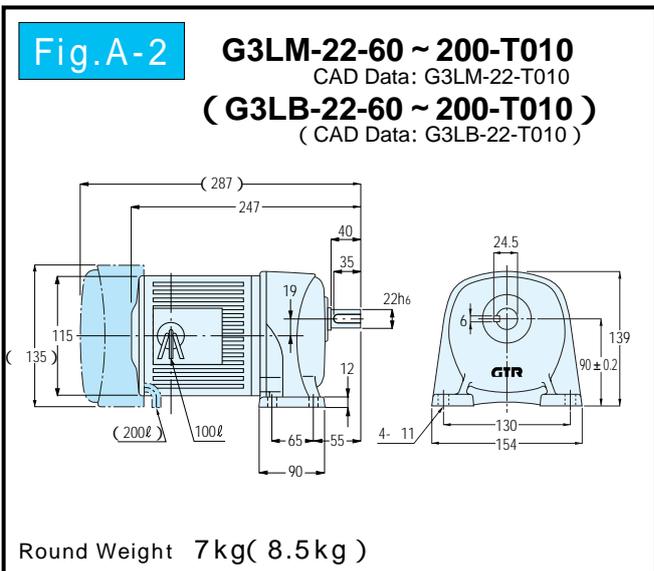
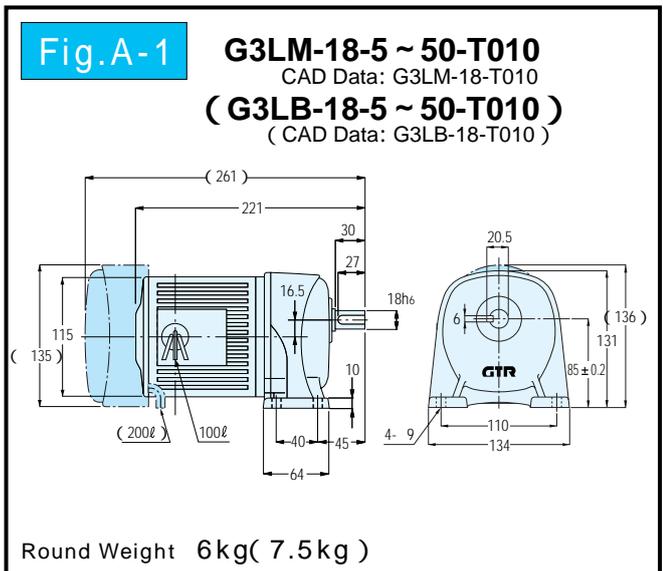
The values in parentheses in the Performance Table/Dimension Diagram indicate the values of gearmotors with brake.

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.1kW	T010	50/60/60	200/200/220	0.61/0.54/0.54	1420/1700/1720	B	Totally Enclosed non-ventilated (Totally Enclosed fan-cooled)

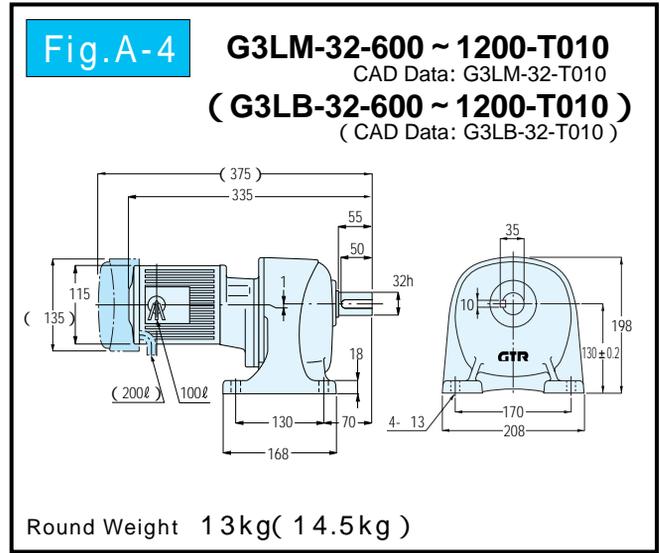
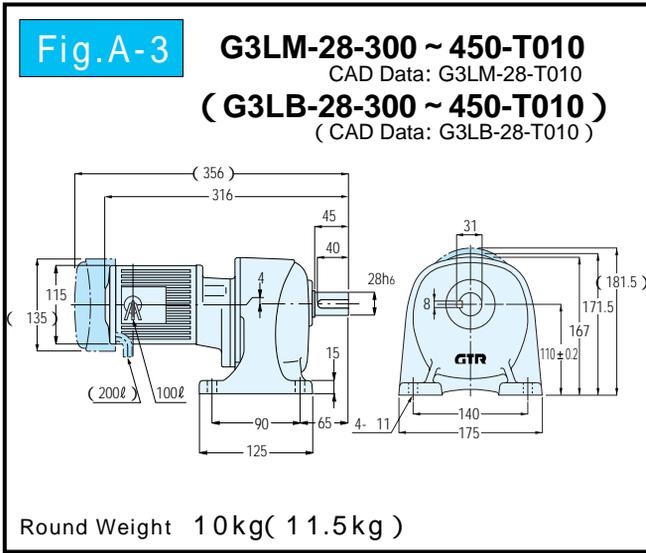
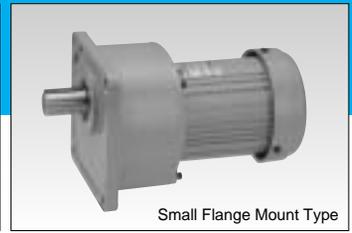
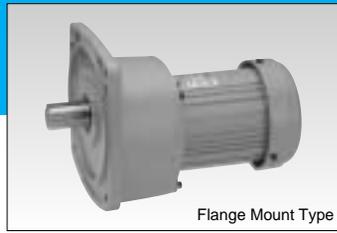
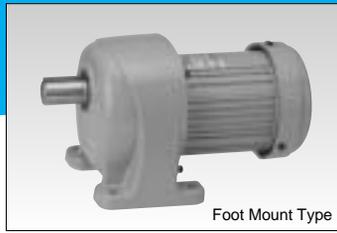
Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L		Page, Diagram No. of the Outer Dimension Diagram, Round Weight Gearmotor (Gearmotor with Brake)				
				50Hz	60Hz	N·m		kgf·m		N		kgf		G3LM (G3LB)	G3FM (G3FB)	G3KM (G3KB)
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf	N	kgf			
3-phase 0.1kW	18	1/ 5	33/ 164	300	360	3	2.5	0.31	0.26	770	78	P.A12 Fig.A-1 6kg (7.5kg)	P.A13 Fig.A-5 6.5kg (8kg)	P.A14 Fig.A-9 6.5kg (8kg)		
		1/ 10	77/ 779	150	180	6.1	5	0.62	0.51	1140	116					
		1/ 15	119/ 1804	100	120	9.1	7.5	0.93	0.77	1270	129					
		1/ 20	49/ 984	75	90	12	9.8	1.2	1	1530	156					
		1/ 25	28/ 697	60	72	15	12.7	1.5	1.3	1650	168					
		1/ 30	35/ 1066	50	60	19	14.7	1.9	1.5	1780	181					
		1/ 40	35/ 1404	37.5	45	24	19.6	2.4	2	1910	194					
	22	1/ 50	7/ 351	30	36	29	24.5	3	2.5	2040	208	P.A12 Fig.A-2 7kg (8.5kg)	P.A13 Fig.A-6 7.5kg (9kg)	P.A14 Fig.A-10 7.5kg (9kg)		
		1/ 60	11/ 684	25	30	35	29.4	3.6	3	2800	285					
		1/ 80	21/ 1634	18.8	22.5	47	39.2	4.8	4	3180	324					
		1/ 100	7/ 684	15	18	59	49	6	5	3180	324					
		1/ 120	147/17974	12.5	15	71	58.8	7.2	6	3180	324					
		1/ 160	21/ 3268	9.4	11.2	94	78.4	9.6	8	3180	324					
	28	1/ 200	21/ 4085	7.5	9	117	98	11.9	10	3180	324	P.A13 Fig.A-3 10kg (11.5kg)	P.A13 Fig.A-7 10.5kg (12kg)	P.A14 Fig.A-11 10.5kg (12kg)		
		1/ 300	221/65190	5	6	157	130	16	13.3	3430	350					
		1/ 375	187/68370	4	4.8	196	163	20	16.6	3430	350					
	32	1/ 450	181/79793	3.3	4	235	196	24	20	3430	350	P.A13 Fig.A-4 13kg (14.5kg)	P.A13 Fig.A-8 13.5kg (15kg)	P.A14 Fig.A-12 13.5kg (15kg)		
		1/ 600	147/88192	2.5	3	313	261	31.9	26.6	5880	600					
		1/ 750	49/36464	2	2.4	391	326	39.9	33.3	5880	600					
		*1/ 900	62/57063	1.7	2	431	391	44	39.9	5880	600					
			*1/1200	46/55195	1.3	1.5	431	431	44	44	5880	600				

- Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A11 regarding rotation direction of output shaft.
 3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

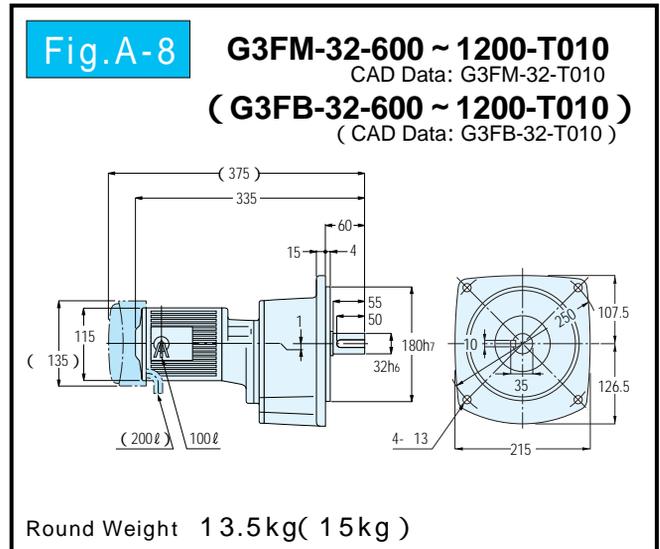
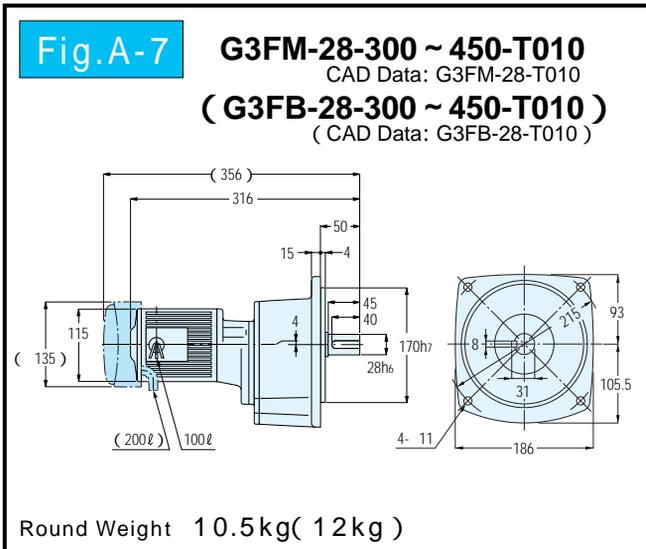
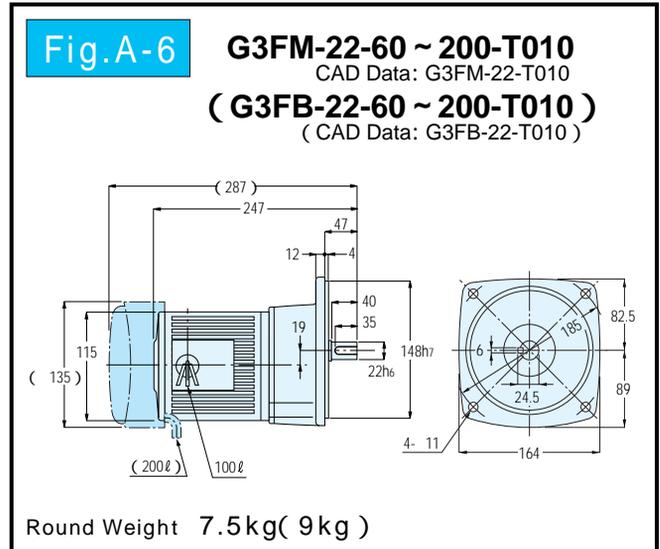
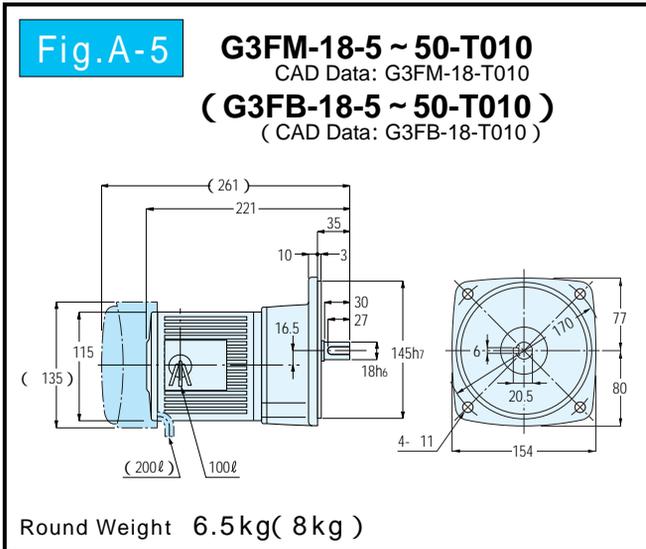
Foot Mount Type



Model Code P.A8 Multipurpose Inverter P.E86 ~ E92 Option P.E78 ~ E93



Flange Mount Type



- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

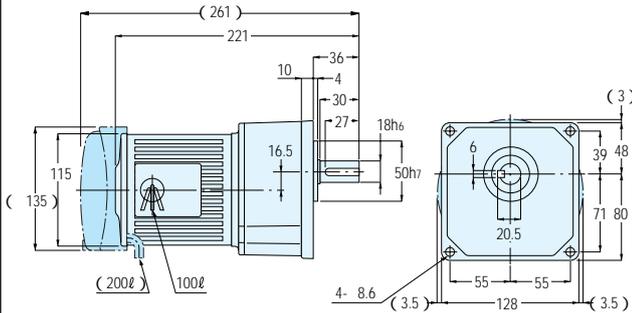
Gearmotor Gearmotor with Brake

G3 Series 3-Phase 0.1 kW

Small Flange Mount Type

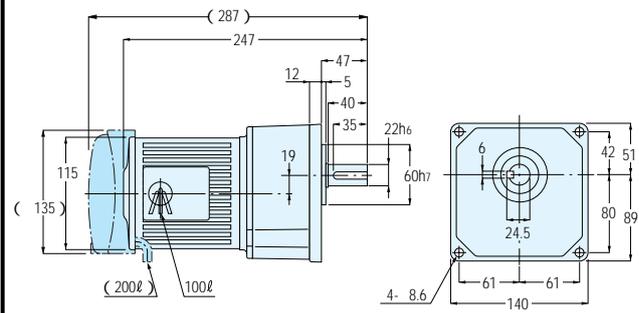
The values in parentheses in the Dimension Diagram indicate the values of gearmotors with brake.

Fig.A-9 **G3KM-18-5 ~ 50-T010**
CAD Data: G3KM-18-T010
(G3KB-18-5 ~ 50-T010)
(CAD Data: G3KB-18-T010)



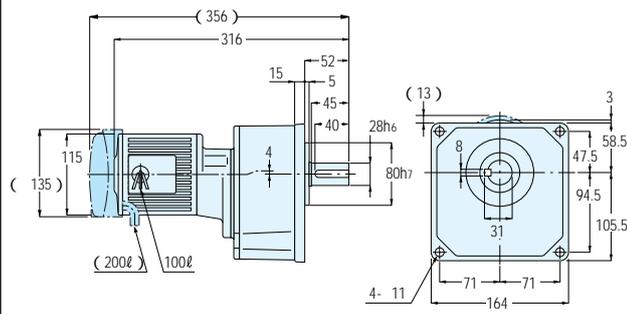
Round Weight 6.5kg(8kg)

Fig.A-10 **G3KM-22-60 ~ 200-T010**
CAD Data: G3KM-22-T010
(G3KB-22-60 ~ 200-T010)
(CAD Data: G3KB-22-T010)



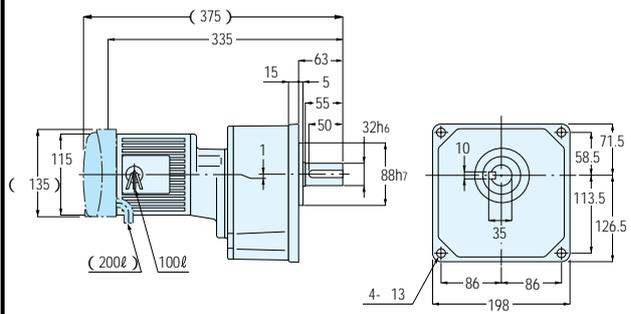
Round Weight 7.5kg(9kg)

Fig.A-11 **G3KM-28-300 ~ 450-T010**
CAD Data: G3KM-28-T010
(G3KB-28-300 ~ 450-T010)
(CAD Data: G3KB-28-T010)



Round Weight 10.5kg(12kg)

Fig.A-12 **G3KM-32-600 ~ 1200-T010**
CAD Data: G3KM-32-T010
(G3KB-32-600 ~ 1200-T010)
(CAD Data: G3KB-32-T010)



Round Weight 13.5kg(15kg)

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Model Code P.A8 Multipurpose Inverter P.E86 ~ E92 Option P.E78 ~ E93

Gearmotor Gearmotor with Brake

G3 Series 3-Phase 0.2kW

The values in parentheses in the Performance Table/Dimension Diagram indicate the values of gearmotors with brake.

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.2kW	T020	50/60/60	200/200/220	1.1/1.0/1.0	1420/1710/1720	B	Totally Enclosed Fan-cooled

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight Gearmotor (Gearmotor with Brake)				
				50Hz	60Hz	N·m		kgf·m		N		kgf		G3LM (G3LB)	G3FM (G3FB)	G3KM (G3KB)
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf	N	kgf			
3-phase 0.2kW	18	1/ 5	33/ 164	300	360	6.1	5	0.62	0.51	770	78	P.A16 Fig.A-13 6.5kg (8kg)	P.A18 Fig.A-18 7kg (8.5kg)	P.A19 Fig.A-23 7kg (8.5kg)		
		1/ 10	77/ 779	150	180	11.8	9.8	1.2	1	1140	116					
		1/ 15	119/ 1804	100	120	18.6	14.7	1.9	1.5	1270	129					
		1/ 20	49/ 984	75	90	24.5	20.6	2.5	2.1	1450	147					
		1/ 25	28/ 697	60	72	30.4	25.5	3.1	2.6	1550	158					
	22	1/ 30	7/ 216	50	60	36.3	30.4	3.7	3.1	2280	232	P.A16 Fig.A-14 7.5kg (9kg)	P.A18 Fig.A-19 8kg (9.5kg)	P.A19 Fig.A-24 8kg (9.5kg)		
		1/ 40	91/ 3600	37.5	45	47	39.2	4.8	4	2410	245					
		1/ 50	11/ 540	30	36	58.8	49	6	5	2540	259					
		1/ 60	637/39600	25	30	70.6	58.8	7.2	6	2800	285					
		1/ 80	91/ 7200	18.8	22.5	94.1	78.4	9.6	8	3000	306					
	28	1/ 100	11/ 1080	15	18	97	80.4	9.9	8.2	3180	324	P.A17 Fig.A-15 9.5kg (11kg)	P.A18 Fig.A-20 10kg (11.5kg)	P.A19 Fig.A-25 10kg (11.5kg)		
		1/ 100	13/ 1353	15	18	117	98	11.9	10	3690	376					
		1/ 120	91/11000	12.5	15	140	117	14.3	11.9	4320	440					
		1/ 160	1/ 165	9.4	11.2	187	156	19.1	15.9	4450	454					
	32	1/ 200	7/ 1375	7.5	9	234	195	23.9	19.9	4450	454	P.A17 Fig.A-16 13.5kg (15kg)	P.A18 Fig.A-21 14kg (15.5kg)	P.A19 Fig.A-26 14kg (15.5kg)		
		1/ 300	91/27348	5	6	313	261	31.9	26.6	5880	600					
		1/ 375	77/28620	4	4.8	391	326	39.9	33.3	5880	600					
	40	1/ 450	91/41022	3.3	4	431	391	44	39.9	5880	600	P.A17 Fig.A-17 20kg (21.5kg)	P.A18 Fig.A-22 21.5kg (23kg)			
		1/ 600	9/ 5300	2.5	3	626	521	63.9	53.2	7060	720					
		1/ 750	62/46427	2	2.4	764	653	78	66.6	7060	720					
*1/ 900		23/21259	1.7	2	764	764	78	78	7060	720						
*1/1200		9/10600	1.3	1.5	764	764	78	78	7060	720						

- Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A11 regarding rotation direction of output shaft.
 3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

Foot Mount Type

Fig.A-13 **G3LM-18-5 ~ 25-T020**
 CAD Data: G3LM-18-T020
(G3LB-18-5 ~ 25-T020)
 (CAD Data: G3LB-18-T020)

Round Weight 6.5kg(8kg)

Fig.A-14 **G3LM-22-30 ~ 100-T020**
 CAD Data: G3LM-22-T020
(G3LB-22-30 ~ 100-T020)
 (CAD Data: G3LB-22-T020)

Round Weight 7.5kg(9kg)

Model Code P.A8 Multipurpose Inverter P.E86 ~ E92 Option P.E78 ~ E93

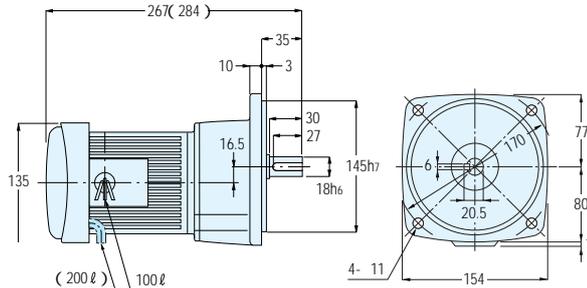
Gearmotor Gearmotor with Brake

G3 Series 3-Phase 0.2kW

Flange Mount Type

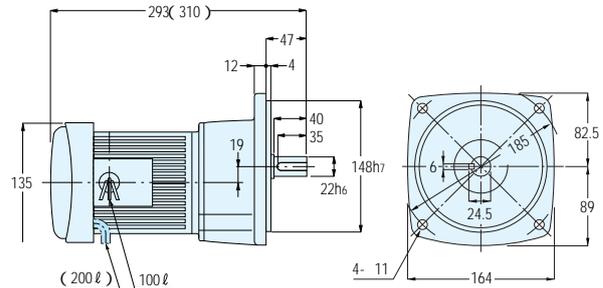
The values in parentheses in the Dimension Diagram indicate the values of gearmotors with brake.

Fig.A-18 **G3FM-18-5 ~ 25-T020**
CAD Data: G3FM-18-T020
(G3FB-18-5 ~ 25-T020)
(CAD Data: G3FB-18-T020)



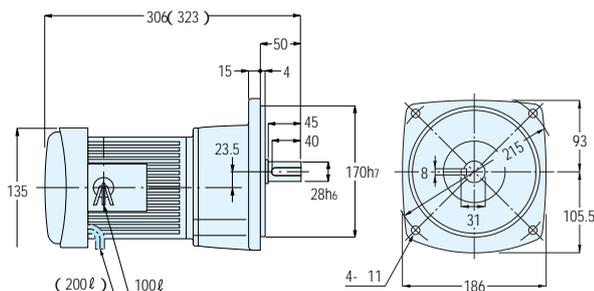
Round Weight 7kg(8.5kg)

Fig.A-19 **G3FM-22-30 ~ 100-T020**
CAD Data: G3FM-22-T020
(G3FB-22-30 ~ 100-T020)
(CAD Data: G3FB-22-T020)



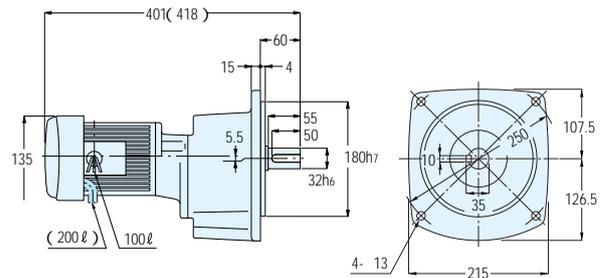
Round Weight 8kg(9.5kg)

Fig.A-20 **G3FM-28-100 ~ 200-T020**
CAD Data: G3FM-28-T020
(G3FB-28-100 ~ 200-T020)
(CAD Data: G3FB-28-T020)



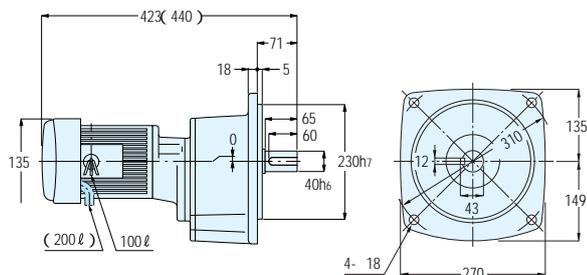
Round Weight 10kg(11.5kg)

Fig.A-21 **G3FM-32-300 ~ 450-T020**
CAD Data: G3FM-32-T020
(G3FB-32-300 ~ 450-T020)
(CAD Data: G3FB-32-T020)



Round Weight 14kg(15.5kg)

Fig.A-22 **G3FM-40-600 ~ 1200-T020**
CAD Data: G3FM-40-T020
(G3FB-40-600 ~ 1200-T020)
(CAD Data: G3FB-40-T020)



Round Weight 21.5kg(23kg)

Model Code
P.A8

Multipurpose Inverter
P.E86 ~ E92

Option
P.E78 ~ E93

Small Flange Mount Type

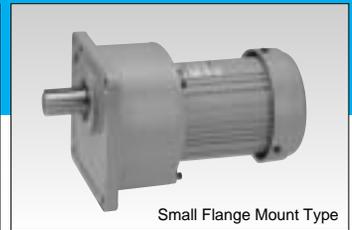
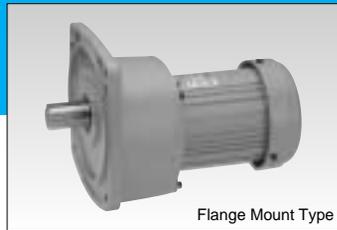
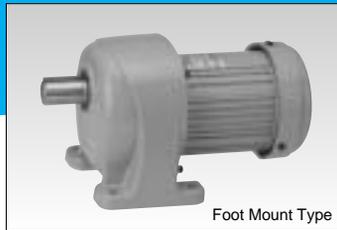
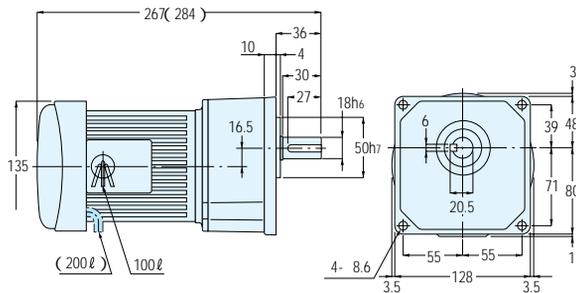
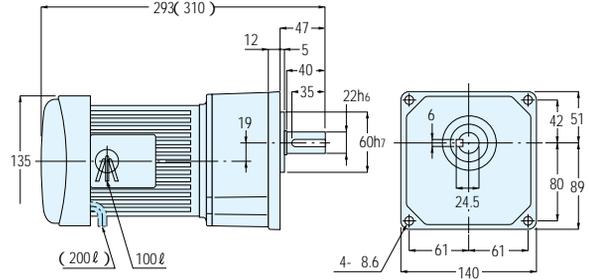


Fig.A-23 **G3KM-18-5 ~ 25-T020**
 CAD Data: G3KM-18-T020
(G3KB-18-5 ~ 25-T020)
 (CAD Data: G3KB-18-T020)



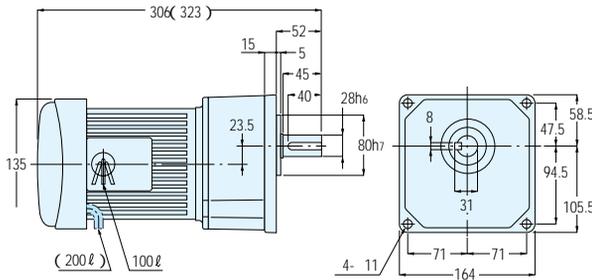
Round Weight 7kg(8.5kg)

Fig.A-24 **G3KM-22-30 ~ 100-T020**
 CAD Data: G3KM-22-T020
(G3KB-22-30 ~ 100-T020)
 (CAD Data: G3KB-22-T020)



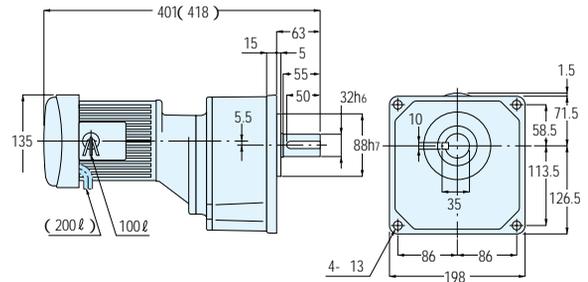
Round Weight 8kg(9.5kg)

Fig.A-25 **G3KM-28-100 ~ 200-T020**
 CAD Data: G3KM-28-T020
(G3KB-28-100 ~ 200-T020)
 (CAD Data: G3KB-28-T020)



Round Weight 10kg(11.5kg)

Fig.A-26 **G3KM-32-300 ~ 450-T020**
 CAD Data: G3KM-32-T020
(G3KB-32-300 ~ 450-T020)
 (CAD Data: G3KB-32-T020)



Round Weight 14kg(15.5kg)

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Gearmotor Gearmotor with Brake

G3 Series 3-Phase 0.4kW

The values in parentheses in the Performance Table/Dimension Diagram indicate the values of gearmotors with brake.

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.4kW	T040	50/60/60	200/200/220	2.1/1.8/1.8	1410/1690/1710	B	Totally Enclosed Fan-cooled

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight Gearmotor (Gearmotor with Brake)		
				50Hz	60Hz	N·m		kgf·m		N	kgf	G3LM (G3LB)	G3FM (G3FB)	G3KM (G3KB)
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz					
3-phase 0.4kW	22	1/ 5	7/ 34	300	360	12	10	1.2	1	1140	116	P.A20 Fig.A-27 9.5kg (11kg)	P.A22 Fig.A-32 10kg (11.5kg)	P.A23 Fig.A-37 10kg (11.5kg)
		1/ 10	7/ 68	150	180	25	21	2.5	2.1	1530	156			
		1/ 15	49/ 748	100	120	36	30	3.7	3.1	1780	181			
		1/ 20	7/ 136	75	90	48	40	4.9	4.1	1910	194			
		1/ 25	7/ 170	60	72	61	50	6.2	5.1	2050	209			
	28	1/ 30	1/ 30	50	60	73	61	7.4	6.2	3310	337	P.A20 Fig.A-28 11.5kg (13kg)	P.A22 Fig.A-33 12kg (13.5kg)	P.A23 Fig.A-38 12kg (13.5kg)
		1/ 40	221/ 8610	37.5	45	94	78	9.6	8	3690	376			
		1/ 50	187/ 9030	30	36	117	98	11.9	10	4080	416			
		1/ 60	169/ 9840	25	30	140	117	14.3	11.9	4450	454			
		1/ 80	65/ 5166	18.8	22.5	187	156	19.1	15.9	4450	454			
	32	*1/ 100	55/ 5418	15	18	193	161	19.7	16.4	4450	454	P.A21 Fig.A-29 14.5kg (16kg)	P.A22 Fig.A-34 15kg (16.5kg)	P.A23 Fig.A-39 15kg (16.5kg)
		1/ 100	7/ 688	15	18	234	195	23.9	19.9	6370	650			
		1/ 120	77/ 9360	12.5	15	281	234	28.7	23.9	7640	779			
		1/ 160	21/ 3328	9.4	11.2	374	313	38.2	31.9	7640	779			
	40	1/ 300	7/ 2160	5	6	626	521	63.9	53.2	7060	720	P.A21 Fig.A-30 23kg (24.5kg)	P.A22 Fig.A-35 24.5kg (26kg)	
		1/ 375	77/29328	4	4.8	764	653	78	66.6	7060	720			
		*1/ 450	49/21600	3.3	4	764	764	78	78	7060	720			
	50	1/ 600	57/35360	2.5	3	1225	1044	125	106.5	9800	1000	P.A21 Fig.A-31 52.5kg (54kg)	P.A22 Fig.A-36 57.5kg (59kg)	
		*1/ 750	25/19448	2	2.4	1225	1225	125	125	9800	1000			
		*1/ 900	5/ 4338	1.7	2	1225	1225	125	125	9800	1000			
		*1/1200	33/40664	1.3	1.5	1225	1225	125	125	9800	1000			

- Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A11 regarding rotation direction of output shaft.
 3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

Foot Mount Type

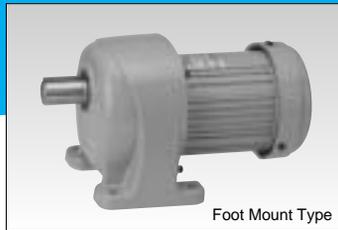
Fig.A-27 **G3LM-22-5 ~ 25-T040**
 CAD Data: G3LM-22-T040
(G3LB-22-5 ~ 25-T040)
 (CAD Data: G3LB-22-T040)

Round Weight 9.5kg(11kg)

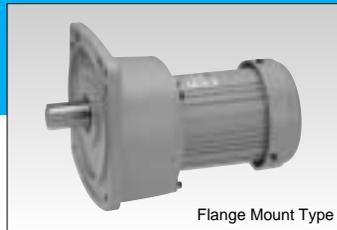
Fig.A-28 **G3LM-28-30 ~ 100-T040**
 CAD Data: G3LM-28-T040
(G3LB-28-30 ~ 100-T040)
 (CAD Data: G3LB-28-T040)

Round Weight 11.5kg(13kg)

Model Code P.A8 Multipurpose Inverter P.E86 ~ E92 Option P.E78 ~ E93



Foot Mount Type



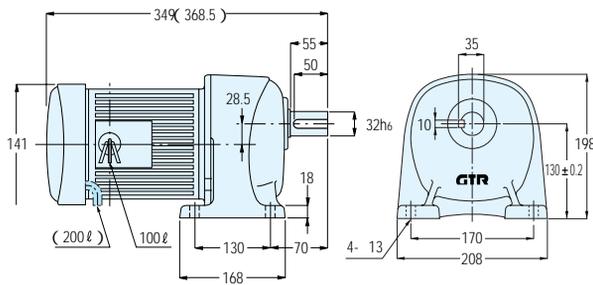
Flange Mount Type



Small Flange Mount Type

Fig.A-29

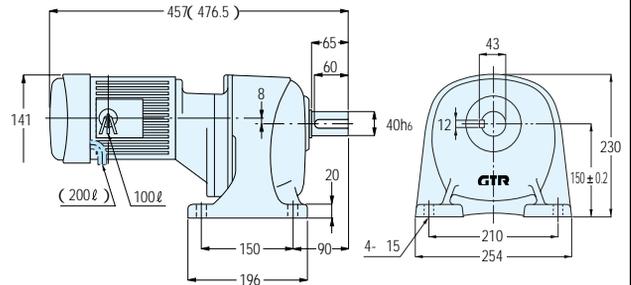
G3LM-32-100 ~ 200-T040
 CAD Data: G3LM-32-T040
(G3LB-32-100 ~ 200-T040)
 (CAD Data: G3LB-32-T040)



Round Weight 14.5kg(16 kg)

Fig.A-30

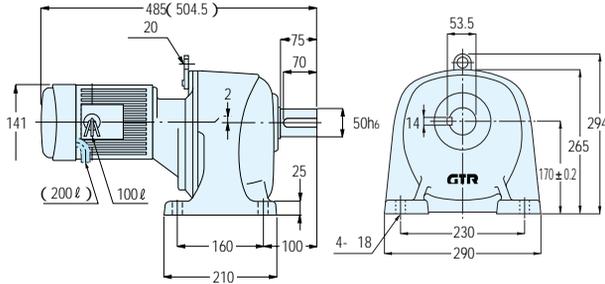
G3LM-40-300 ~ 450-T040
 CAD Data: G3LM-40-T040
(G3LB-40-300 ~ 450-T040)
 (CAD Data: G3LB-40-T040)



Round Weight 23kg(24.5 kg)

Fig.A-31

G3LM-50-600 ~ 1200-T040
 CAD Data: G3LM-50-T040
(G3LB-50-600 ~ 1200-T040)
 (CAD Data: G3LB-50-T040)



Round Weight 52.5kg(54 kg)

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Gearmotor Gearmotor with Brake

G3 Series 3-Phase 0.4kW

Flange Mount Type

The values in parentheses in the Dimension Diagram indicate the values of gearmotors with brake.

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Fig.A-32 **G3FM-22-5 ~ 25-T040**
CAD Data: G3FM-22-T040
(G3FB-22-5 ~ 25-T040)
(CAD Data: G3FB-22-T040)

Round Weight 10kg(11.5kg)

Fig.A-33 **G3FM-28-30 ~ 100-T040**
CAD Data: G3FM-28-T040
(G3FB-28-30 ~ 100-T040)
(CAD Data: G3FB-28-T040)

Round Weight 12kg(13.5kg)

Fig.A-34 **G3FM-32-100 ~ 200-T040**
CAD Data: G3FM-32-T040
(G3FB-32-100 ~ 200-T040)
(CAD Data: G3FB-32-T040)

Round Weight 15kg(16.5kg)

Fig.A-35 **G3FM-40-300 ~ 450-T040**
CAD Data: G3FM-40-T040
(G3FB-40-300 ~ 450-T040)
(CAD Data: G3FB-40-T040)

Round Weight 24.5kg(26kg)

Fig.A-36 **G3FM-50-600 ~ 1200-T040**
CAD Data: G3FM-50-T040
(G3FB-50-600 ~ 1200-T040)
(CAD Data: G3FB-50-T040)

Round Weight 57.5kg(59kg)

- Model Code
P.A8
- Multipurpose Inverter
P.E86 ~ E92
- Option
P.E78 ~ E93

Small Flange Mount Type

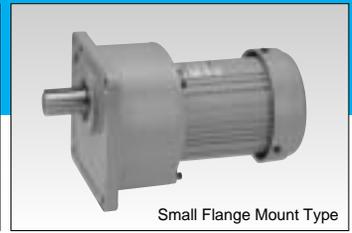
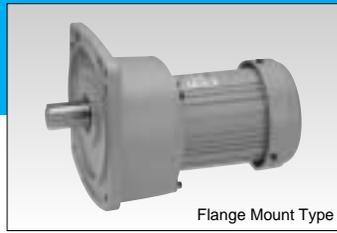
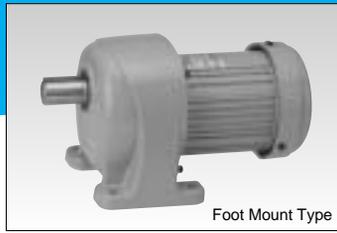
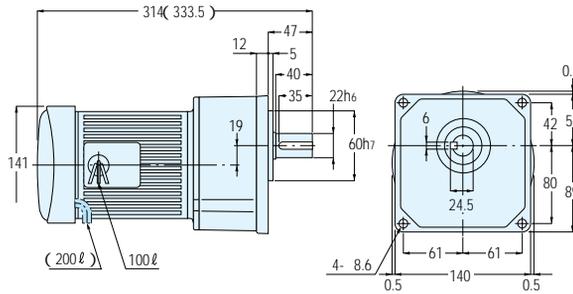
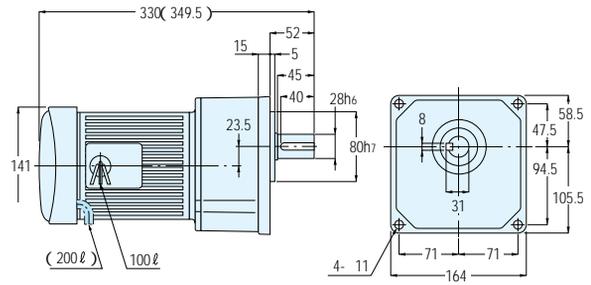


Fig.A-37 **G3KM-22-5 ~ 25-T040**
 CAD Data: G3KM-22-T040
(G3KB-22-5 ~ 25-T040)
 (CAD Data: G3KB-22-T040)



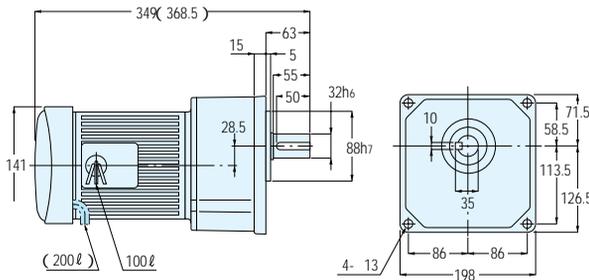
Round Weight 10kg(11.5kg)

Fig.A-38 **G3KM-28-30 ~ 100-T040**
 CAD Data: G3KM-28-T040
(G3KB-28-30 ~ 100-T040)
 (CAD Data: G3KB-28-T040)



Round Weight 12kg(13.5kg)

Fig.A-39 **G3KM-32-100 ~ 200-T040**
 CAD Data: G3KM-32-T040
(G3KB-32-100 ~ 200-T040)
 (CAD Data: G3KB-32-T040)



Round Weight 15kg(16.5kg)

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Gearmotor Gearmotor with Brake

G3 Series 3-Phase 0.75kW

The values in parentheses in the Performance Table/Dimension Diagram indicate the values of gearmotors with brake.

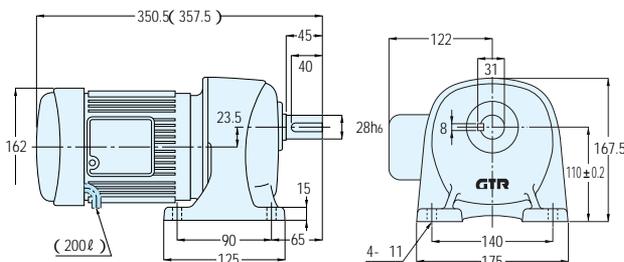
Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.75kW	075	50/60/60	200/200/220	3.7/3.3/3.2	1430/1720/1730	B	Totally Enclosed Fan-cooled

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight Gearmotor (Gearmotor with Brake)				
				50Hz	60Hz	N·m		kgf·m		N		kgf		G3LM (G3LB)	G3FM (G3FB)	G3KM (G3KB)
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf					
3-phase 0.75kW	28	1/ 5	91/ 459	300	360	23	19	2.3	1.9	1650	168	P.A24 Fig.A-40 15kg (17.5kg)	P.A25 Fig.A-44 15.5kg (18kg)	P.A26 Fig.A-48 15.5kg (18kg)		
		1/ 10	1/ 10	150	180	45	38	4.6	3.9	2280	232					
		1/ 15	91/ 1360	100	120	68	57	6.9	5.8	2800	285					
		1/ 20	5/ 102	75	90	91	75	9.3	7.7	3050	311					
	32	1/ 25	7/ 170	60	72	114	94	11.6	9.6	3180	324	P.A24 Fig.A-41 18.5kg (21kg)	P.A25 Fig.A-45 19kg (21.5kg)	P.A26 Fig.A-49 19kg (21.5kg)		
		1/ 30	3/ 92	50	60	136	114	13.9	11.6	5220	532					
		1/ 40	13/ 516	37.5	45	175	146	17.9	14.9	5470	558					
		1/ 50	11/ 540	30	36	220	183	22.4	18.7	5780	589					
		1/ 60	13/ 774	25	30	264	220	26.9	22.4	6080	620					
		*1/ 80	13/ 1032	18.8	22.5	351	293	35.8	29.9	6180	630					
	40	1/ 100	11/ 1080	15	18	362	302	36.9	30.8	6770	690	P.A25 Fig.A-42 25kg (27.5kg)	P.A25 Fig.A-46 26.5kg (29kg)			
		1/ 120	91/ 9000	15	18	439	366	44.8	37.3	9170	935					
		1/ 160	77/ 9400	12.5	15	527	439	53.8	44.8	9170	935					
		1/ 200	9/ 1400	9.4	11.2	703	585	71.7	59.7	9170	935					
	50	1/ 300	9/ 1750	7.5	9	764	732	78	74.7	9170	935	P.A25 Fig.A-43 56.5kg (59kg)	P.A25 Fig.A-47 61.5kg (64kg)			
		1/ 375	211/62013	5	6	1176	978	120	99.8	9800	1000					
*1/ 450		94/36103	4	4.8	1225	1225	125	125	9800	1000						
			65/29167	3.3	4	1225	1225	125	125	9800	1000					

- Note 1**) The allowable O.H.L indicated are the values in the central position of the output shaft.
2) Please be sure to read cautions stated on page A11 regarding rotation direction of output shaft.
3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

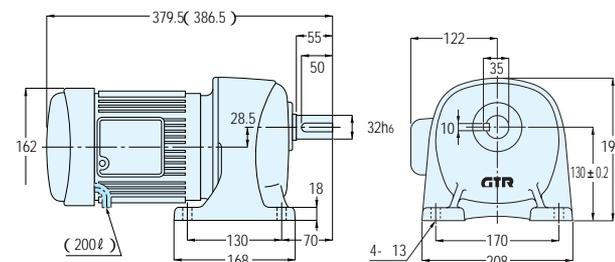
Foot Mount Type

Fig.A-40 G3LM-28-5 ~ 25-075
 CAD Data: G3LM-28-075
(G3LB-28-5 ~ 25-075)
 (CAD Data: G3LB-28-075)



Round Weight 15kg (17.5kg)

Fig.A-41 G3LM-32-30 ~ 100-075
 CAD Data: G3LM-32-075
(G3LB-32-30 ~ 100-075)
 (CAD Data: G3LB-32-075)



Round Weight 18.5kg (21kg)

Model Code
P.A8

Multipurpose Inverter
P.E86 ~ E92

Option
P.E78 ~ E93

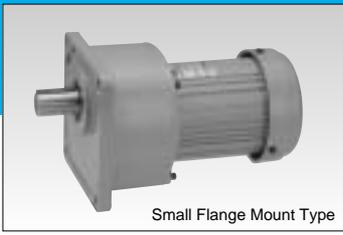
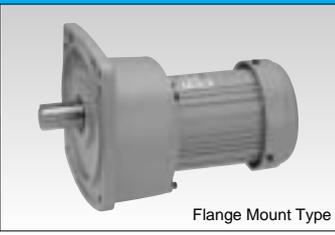
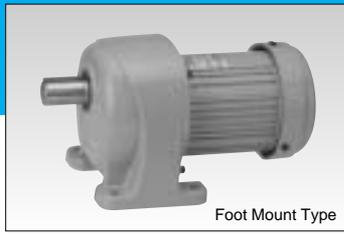


Fig.A-42 **G3LM-40-100 ~ 200-075**
 CAD Data: G3LM-40-075
(G3LB-40-100 ~ 200-075)
 (CAD Data: G3LB-40-075)

Round Weight 25kg(27.5kg)

Fig.A-43 **G3LM-50-300 ~ 450-075**
 CAD Data: G3LM-50-075
(G3LB-50-300 ~ 450-075)
 (CAD Data: G3LB-50-075)

Round Weight 56.5kg(59kg)

Flange Mount Type

Fig.A-44 **G3FM-28-5 ~ 25-075**
 CAD Data: G3FM-28-075
(G3FB-28-5 ~ 25-075)
 (CAD Data: G3FB-28-075)

Round Weight 15.5kg(18kg)

Fig.A-45 **G3FM-32-30 ~ 100-075**
 CAD Data: G3FM-32-075
(G3FB-32-30 ~ 100-075)
 (CAD Data: G3FB-32-075)

Round Weight 19kg(21.5kg)

Fig.A-46 **G3FM-40-100 ~ 200-075**
 CAD Data: G3FM-40-075
(G3FB-40-100 ~ 200-075)
 (CAD Data: G3FB-40-075)

Round Weight 26.5kg(29kg)

Fig.A-47 **G3FM-50-300 ~ 450-075**
 CAD Data: G3FM-50-075
(G3FB-50-300 ~ 450-075)
 (CAD Data: G3FB-50-075)

Round Weight 61.5kg(64kg)

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Gearmotor Gearmotor with Brake

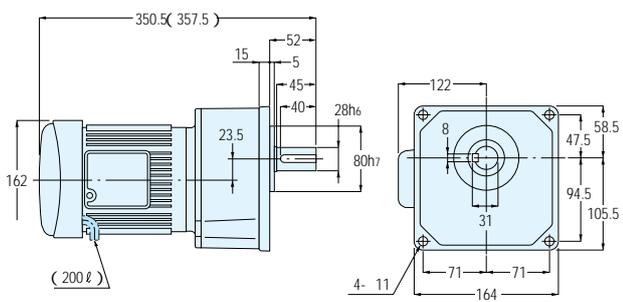
G3 Series 3-Phase 0.75kW

Small Flange Mount Type

The values in parentheses in the Dimension Diagram indicate the values of gearmotors with brake.

Fig.A-48

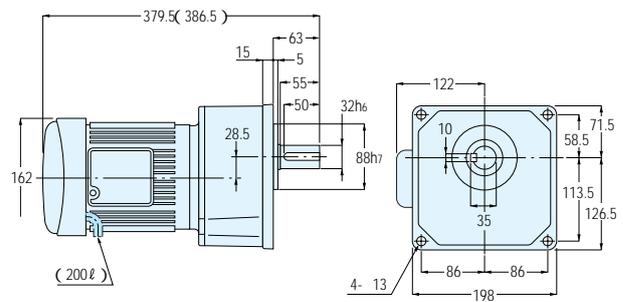
G3KM-28-5 ~ 25-075
CAD Data: G3KM-28-075
(G3KB-28-5 ~ 25-075)
(CAD Data: G3KB-28-075)



Round Weight 15.5kg(18kg)

Fig.A-49

G3KM-32-30 ~ 100-075
CAD Data: G3KM-32-075
(G3KB-32-30 ~ 100-075)
(CAD Data: G3KB-32-075)



Round Weight 19kg(21.5kg)

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Model Code P.A8 Multipurpose Inverter P.E86 ~ E92 Option P.E78 ~ E93

Gearmotor Gearmotor with Brake

G3 Series 3-Phase 1.5kW

The values in parentheses in the Performance Table/Dimension Diagram indicate the values of gearmotors with brake.

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
		1.5kW	150	50/60/60	200/200/220	6.6/6.1/5.8	1430/1720/1730	B

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight Gearmotor (Gearmotor with Brake)				
				50Hz	60Hz	N·m		kgf·m		N		kgf		G3LM (G3LB)	G3FM (G3FB)	G3KM (G3KB)
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf					
3-phase 1.5kW	32	1/ 5	1/ 5	300	360	45	38	4.6	3.9	2280	232	P.A28 Fig.A-50 24.5kg (28kg)	P.A29 Fig.A-53 25kg (28.5kg)	P.A30 Fig.A-56 25kg (28.5kg)		
		1/ 10	1/ 10	150	180	91	75	9.3	7.7	3180	324					
		1/ 15	1/ 15	100	120	136	114	13.9	11.6	3690	376					
		1/ 20	1/ 20	75	90	181	151	18.5	15.4	4190	427					
		1/ 25	9/ 230	60	72	226	189	23.1	19.3	4410	450					
	40	1/ 30	1/ 30	50	60	272	226	27.8	23.1	6600	673	P.A28 Fig.A-51 31.5kg (35kg)	P.A29 Fig.A-54 33kg (36.5kg)			
		1/ 40	13/ 540	37.5	45	351	293	35.8	29.9	6960	710					
		1/ 50	11/ 564	30	36	439	366	44.8	37.3	6960	710					
		1/ 60	91/ 5400	25	30	527	439	53.8	44.8	7210	735					
		1/ 80	13/ 1080	18.8	22.5	703	585	71.7	59.7	7400	755					
	50	*1/ 100	11/ 1128	15	18	724	603	73.9	61.5	7400	755	P.A29 Fig.A-52 61kg (64.5kg)	P.A29 Fig.A-55 66kg (69.5kg)			
		1/ 100	25/ 2618	15	18	878	732	89.6	74.7	12500	1275					
		1/ 120	77/ 8993	12.5	15	1060	878	108	89.6	12500	1275					
		1/ 160	33/ 5474	9.4	11.2	1230	1170	125	119	12500	1275					
*1/ 200		30/ 5831	7.5	9	1230	1230	125	125	12500	1275						

- Note 1)** The allowable O.H.L indicated are the values in the central position of the output shaft.
2) Please be sure to read cautions stated on page A11 regarding rotation direction of output shaft.
3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

Foot Mount Type

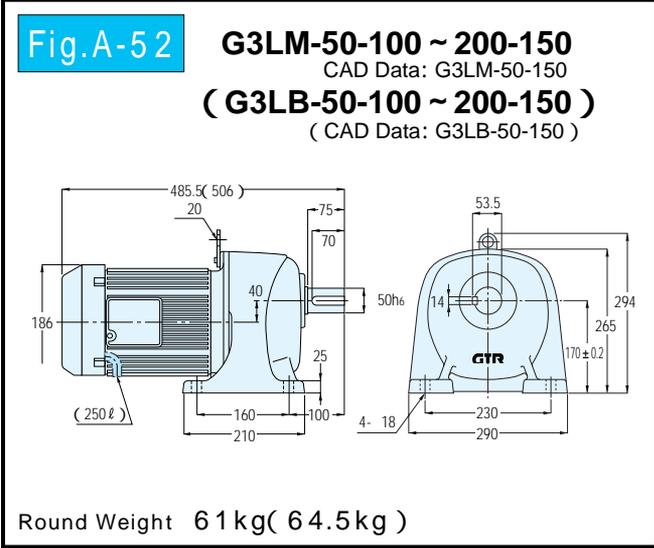
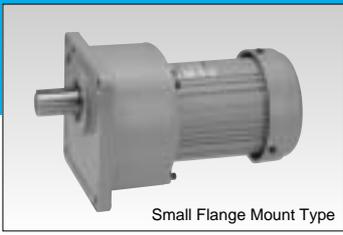
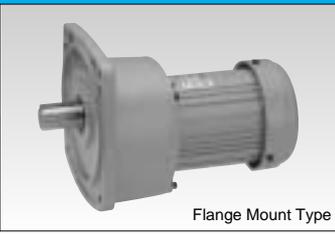
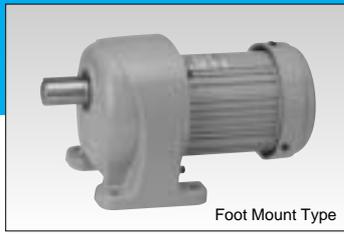
Fig.A-50 **G3LM-32-5 ~ 25-150**
 CAD Data: G3LM-32-150
(G3LB-32-5 ~ 25-150)
 (CAD Data: G3LB-32-150)

Round Weight 24.5kg (28kg)

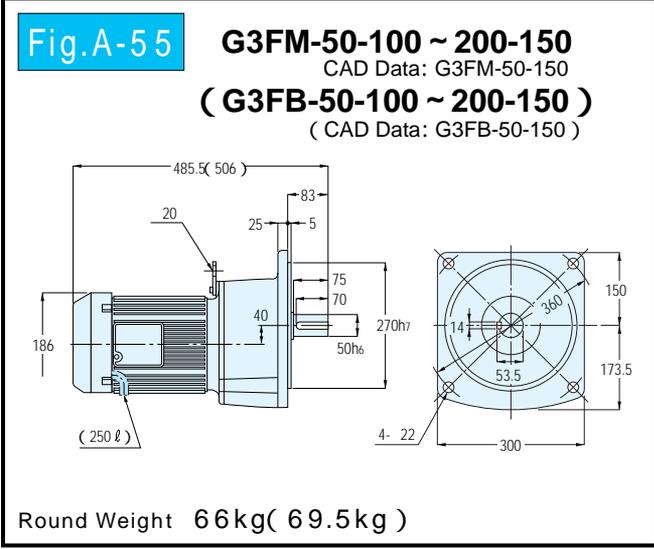
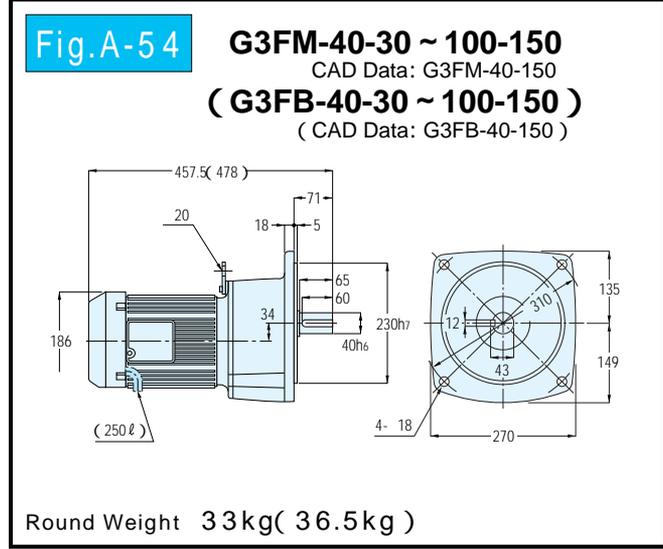
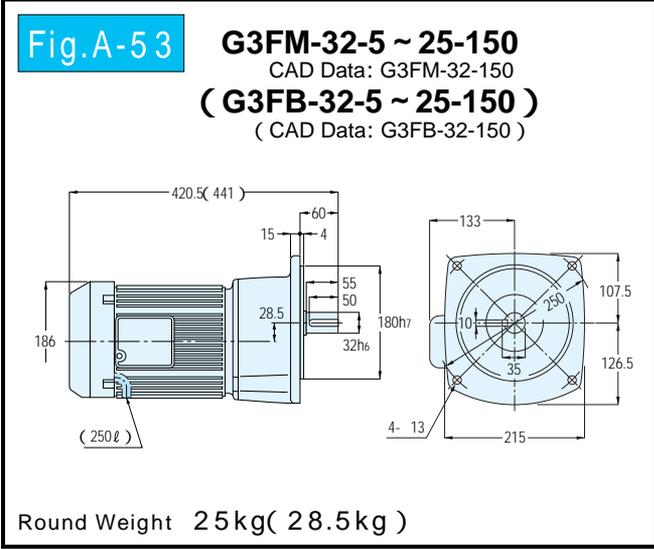
Fig.A-51 **G3LM-40-30 ~ 100-150**
 CAD Data: G3LM-40-150
(G3LB-40-30 ~ 100-150)
 (CAD Data: G3LB-40-150)

Round Weight 31.5kg (35kg)

Model Code P.A8 Multipurpose Inverter P.E86 ~ E92 Option P.E78 ~ E93



Flange Mount Type



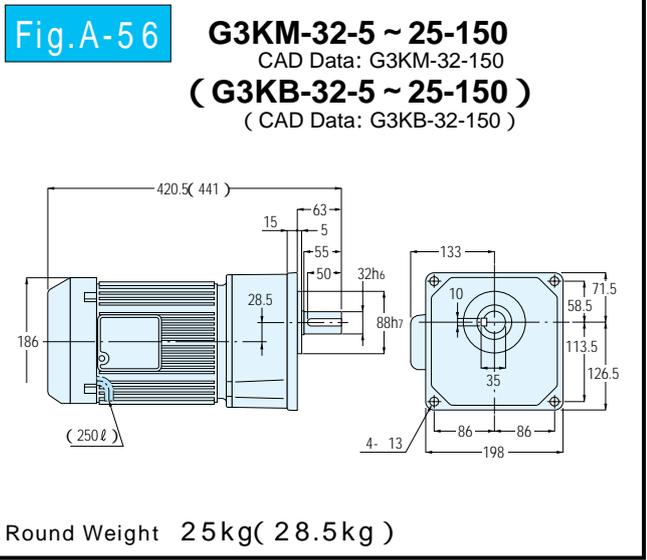
- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Gearmotor Gearmotor with Brake

G3 Series 3-Phase 1.5kW

The values in parentheses in the Dimension Diagram indicate the values of gearmotors with brake.

Small Flange Mount Type



- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Model Code P.A8	Multipurpose Inverter P.E86 ~ E92	Option P.E78 ~ E93
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Gearmotor Gearmotor with Brake

G3 Series 3-Phase 2.2kW

The values in parentheses in the Performance Table/Dimension Diagram indicate the values of gearmotors with brake.

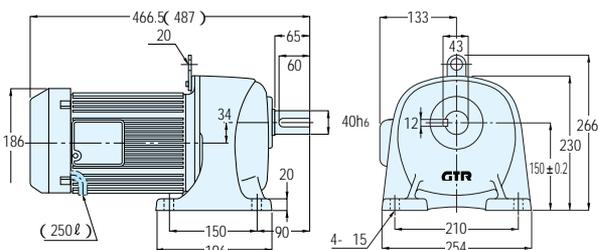
Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	2.2kW	220	50/60/60	200/200/220	9.0/8.6/8.0	1410/1690/1710	B	Totally Enclosed Fan-cooled

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight Gearmotor(Gearmotor with Brake)		
				50Hz	60Hz	N·m		kgf·m		N		kgf	G3LM (G3LB)	G3FM (G3FB)
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf			
3-phase 2.2kW	40	1/ 5	7/ 36	300	360	67	56	6.8	5.7	2800	285	P.A32 Fig.A-57 34.5kg (38kg)	P.A33 Fig.A-59 36kg (39.5kg)	
		1/ 10	7/ 72	150	180	133	111	13.6	11.3	4080	416			
		1/ 15	49/ 720	100	120	200	167	20.4	17	4580	467			
		1/ 20	7/ 144	75	90	266	221	27.1	22.6	5220	532			
		1/ 25	7/ 180	60	72	332	277	33.9	28.3	6110	623			
	50	1/ 30	5/ 154	50	60	399	332	40.7	33.9	9040	922	P.A32 Fig.A-58 64.5kg (68kg)	P.A33 Fig.A-60 69.5kg (73kg)	
		1/ 40	399/15488	37.5	45	515	429	52.6	43.8	9420	961			
		1/ 50	399/20240	30	36	644	537	65.7	54.8	10000	1020			
		1/ 60	49/ 2904	25	30	773	644	78.9	65.7	10000	1020			
		1/ 80	49/ 3795	18.8	22.5	1029	858	105	87.6	10100	1030			
		1/ 100	21/ 2116	15	18	1230	1080	125	110	10100	1030			

- Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A11 regarding rotation direction of output shaft.

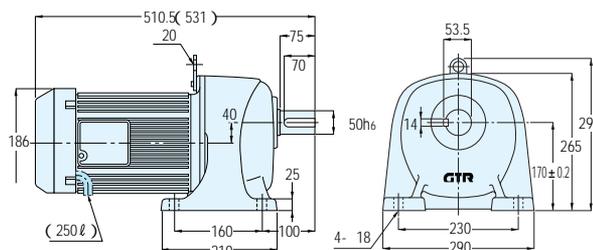
Foot Mount Type

Fig.A-57 **G3LM-40-5 ~ 25-220**
 CAD Data: G3LM-40-220
(G3LB-40-5 ~ 25-220)
 (CAD Data: G3LB-40-220)



Round Weight 34.5kg(38kg)

Fig.A-58 **G3LM-50-30 ~ 100-220**
 CAD Data: G3LM-50-220
(G3LB-50-30 ~ 100-220)
 (CAD Data: G3LB-50-220)



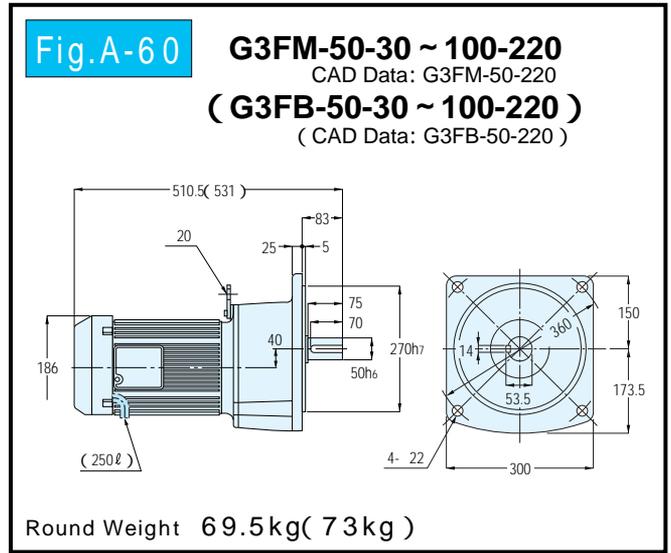
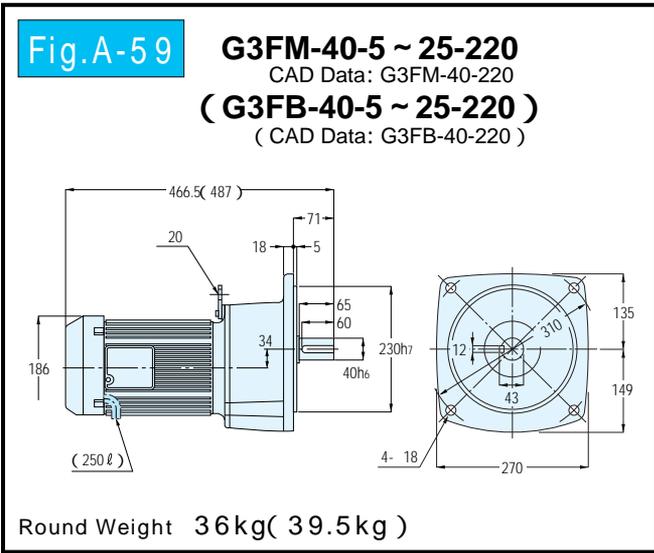
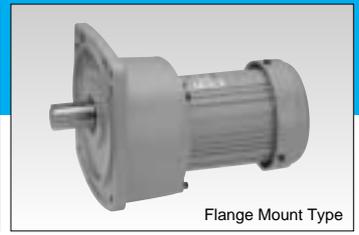
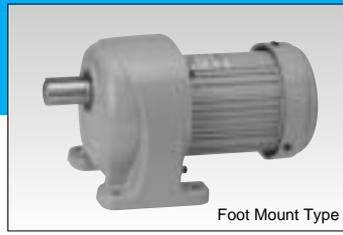
Round Weight 64.5kg(68kg)

Model Code
P.A8

Multipurpose Inverter
P.E86 ~ E92

Option
P.E78 ~ E93

Flange Mount Type



Parallel Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reducer (Double Shaft)
S-Type Reducer
Right Angle Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch /Brake
Reduce (Double Shaft)
S-Type Reducer
Hollow Shaft Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-Resistant, Outdoor Gearmotor with Brake
Reduce (Double Shaft)
S-Type Reducer
Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-Resistant, Outdoor Gearmotor with Brake
Reducer (Parallel Shaft)
S-Type Reducer
Technical Information
Standard Motors
Cautions for Safety
Option
GT-STEP Index Gearmotor
KOMPASS Gearbox

Gearmotor Gearmotor with Brake

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
 - Water-resistant, Outdoor Gearmotor with Brake
 - Gearmotor with Clutch/Brake
 - Reducer (Double Shaft)
 - S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
 - Water-resistant, Outdoor Gearmotor with Brake
 - Gearmotor with Clutch /Brake
 - Reduce (Double Shaft)
 - S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
 - Water-resistant, Outdoor Gearmotor with Brake
 - Reduce (Double Shaft)
 - S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table Dimension
- Gearmotor with Brake
 - Water-Resistant, Outdoor Gearmotor with Brake
 - Reducer (Parallel Shaft)
 - S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox



Parallel Shaft

Gearmotor Gearmotor with Brake

Performance Table Dimension diagram

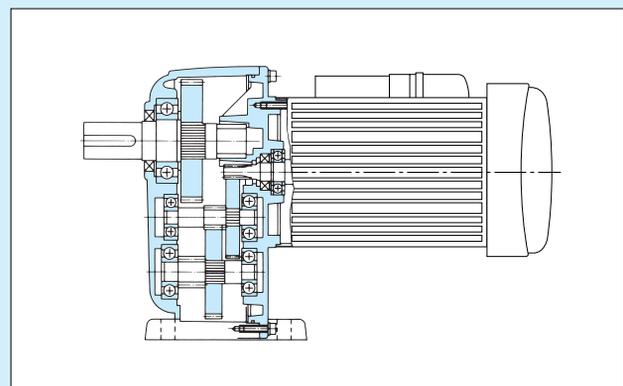
G3

Series

1-Phase

【Remarks】

Values in the parenthesis in the performance table/dimension diagram are the values of gearmotor with brake.
The output rotation speed is the value corresponds to the motor synchronous speed and the nominal reduction ratio.
The Shaded areas  in the performance table shows that in case gearmotors are wired according to the diagram shown on [page E16](#), the shaft rotates clock wise when viewing from output side. (Refer to the diagram shown below.)



Gearmotor Gearmotor with Brake

G3 Series 1-Phase 100W

The values in parentheses in the Performance Table/Dimension Diagram indicate the values of gearmotors with brake.

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system	Start System
		100W	100	50/60	100/100	2.7/2.4	1420/1710	B	Totally Enclosed (Totally Enclosed Fan-cooled)

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight Gearmotor (Gearmotor with Brake)				
				50Hz	60Hz	N·m		kgf·m		N		kgf		G3LM (G3LB)	G3FM (G3FB)	G3KM (G3KB)
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf					
1-phase 100W	18	1/ 5	33/ 164	300	360	3	2.5	0.31	0.26	770	78	P.A38 Fig.A-61 7.5kg (9kg)	P.A39 Fig.A-65 8kg (9.5kg)	P.A40 Fig.A-69 8kg (9.5kg)		
		1/ 10	77/ 779	150	180	6.1	5	0.62	0.51	1140	116					
		1/ 15	119/ 1804	100	120	9.1	7.5	0.93	0.77	1270	129					
		1/ 20	49/ 984	75	90	12	9.8	1.2	1	1530	156					
		1/ 25	28/ 697	60	72	15	12.7	1.5	1.3	1650	168					
		1/ 30	35/ 1066	50	60	19	14.7	1.9	1.5	1780	181					
		1/ 40	35/ 1404	37.5	45	24	19.6	2.4	2	1910	194					
	22	1/ 50	7/ 351	30	36	29	24.5	3	2.5	2040	208	P.A38 Fig.A-62 8.5kg (10kg)	P.A39 Fig.A-66 9kg (10.5kg)	P.A40 Fig.A-70 9kg (10.5kg)		
		1/ 60	11/ 684	25	30	35	29.4	3.6	3	2800	285					
		1/ 80	21/ 1634	18.8	22.5	47	39.2	4.8	4	3180	324					
		1/ 100	7/ 684	15	18	59	49	6	5	3180	324					
		1/ 120	147/17974	12.5	15	71	58.8	7.2	6	3180	324					
		1/ 160	21/ 3268	9.4	11.2	94	78.4	9.6	8	3180	324					
	28	1/ 200	21/ 4085	7.5	9	117	98	11.9	10	3180	324	P.A39 Fig.A-63 11.5kg (13kg)	P.A39 Fig.A-67 12kg (13.5kg)	P.A40 Fig.A-71 12kg (13.5kg)		
		1/ 300	221/65190	5	6	157	130	16	13.3	3430	350					
		1/ 375	187/68370	4	4.8	196	163	20	16.6	3430	350					
	32	1/ 450	181/79793	3.3	4	235	196	24	20	3430	350	P.A39 Fig.A-64 14.5kg (16kg)	P.A39 Fig.A-68 15kg (16.5kg)	P.A40 Fig.A-72 15kg (16.5kg)		
		1/ 600	147/88192	2.5	3	313	261	31.9	26.6	5880	600					
		1/ 750	49/36464	2	2.4	391	326	39.9	33.3	5880	600					
		*1/ 900	62/57063	1.7	2	431	391	44	39.9	5880	600					
			*1/1200	46/55195	1.3	1.5	431	431	44	44	5880	600				

- Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A37 regarding rotation direction of output shaft.
 3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

Foot Mount Type

Fig.A-61 **G3LM-18-5 ~ 50-100**
 CAD Data: G3LM-18-100
(G3LB-18-5 ~ 50-100)
 (CAD Data: G3LB-18-100)

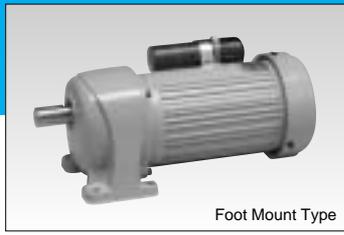
Round Weight 7.5kg(9kg)

Fig.A-62 **G3LM-22-60 ~ 200-100**
 CAD Data: G3LM-22-100
(G3LB-22-60 ~ 200-100)
 (CAD Data: G3LB-22-100)

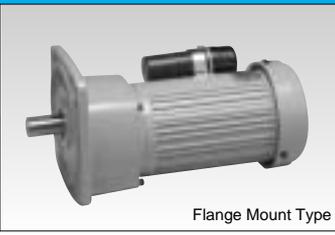
Round Weight 8.5kg(10kg)

Model Code
P.A8

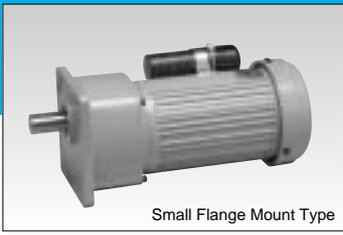
Option
P.E78 ~ E85



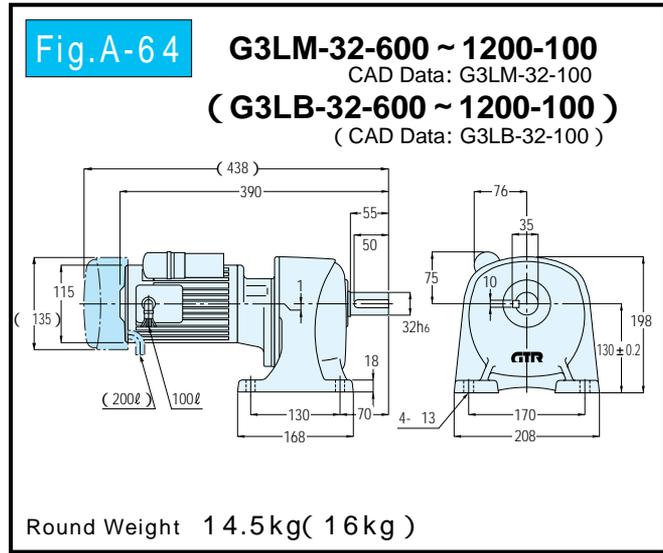
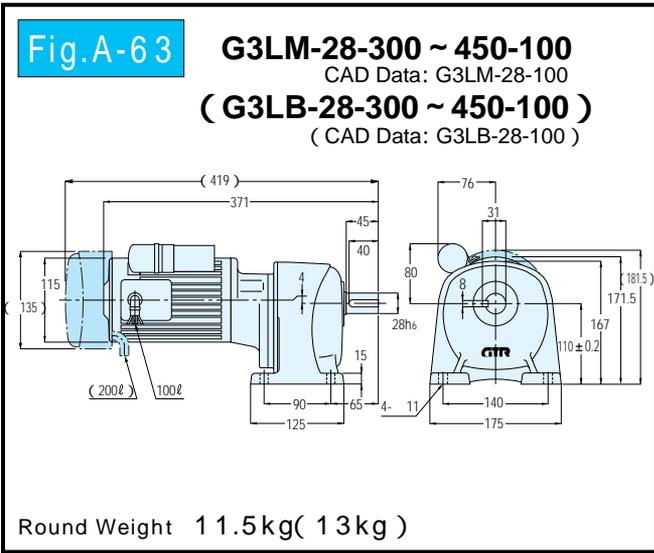
Foot Mount Type



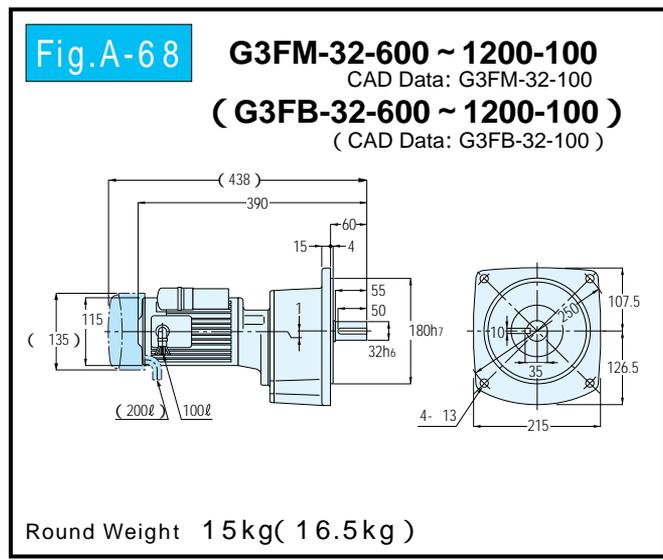
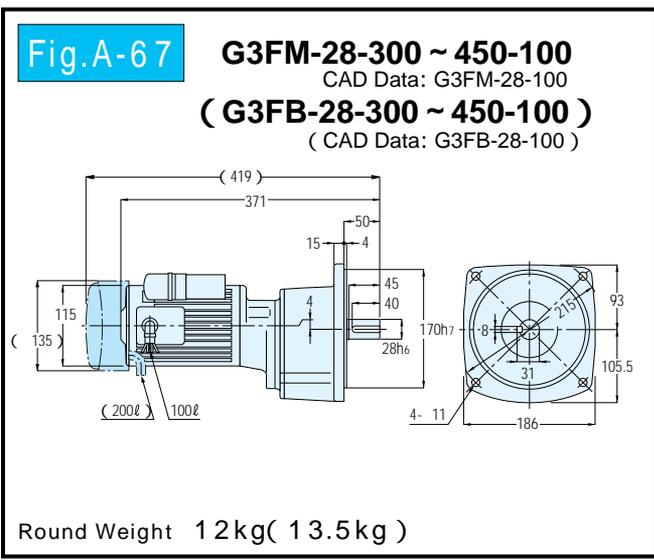
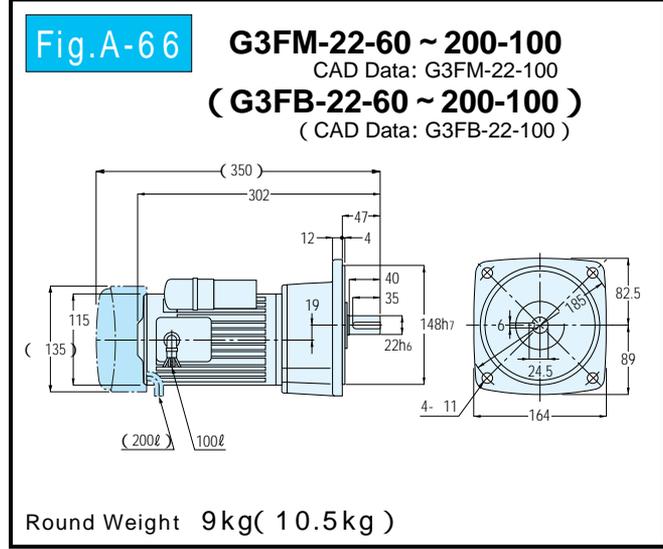
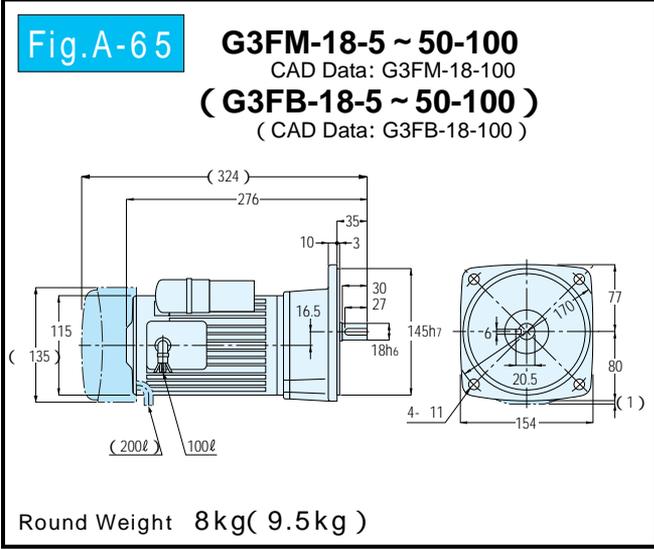
Flange Mount Type



Small Flange Mount Type



Flange Mount Type



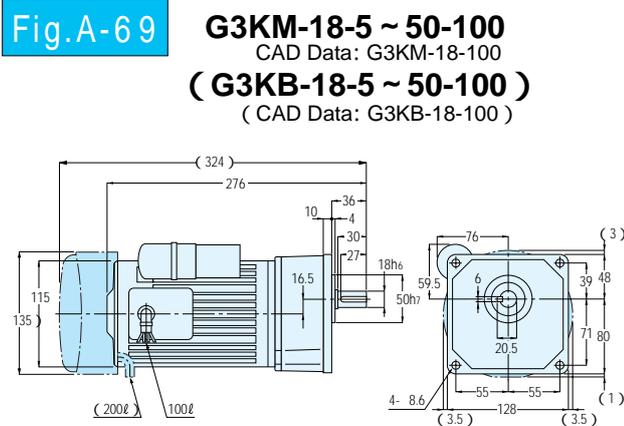
- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Gearmotor Gearmotor with Brake

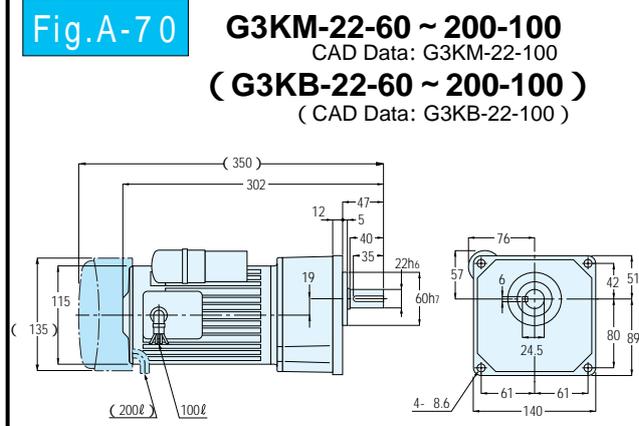
G3 Series 1-Phase 100W

Small Flange Mount Type

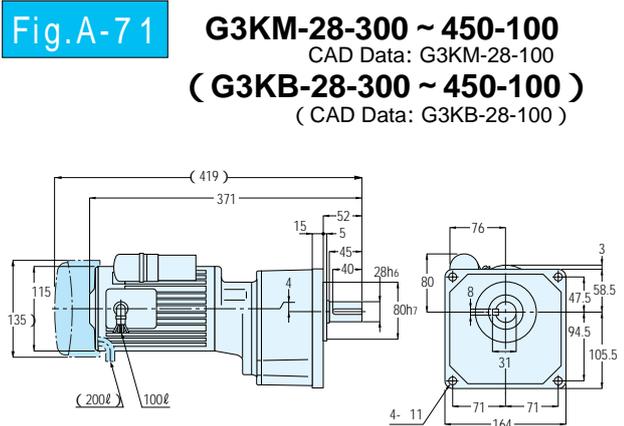
The values in parentheses in the Dimension Diagram indicate the values of gearmotors with brake.



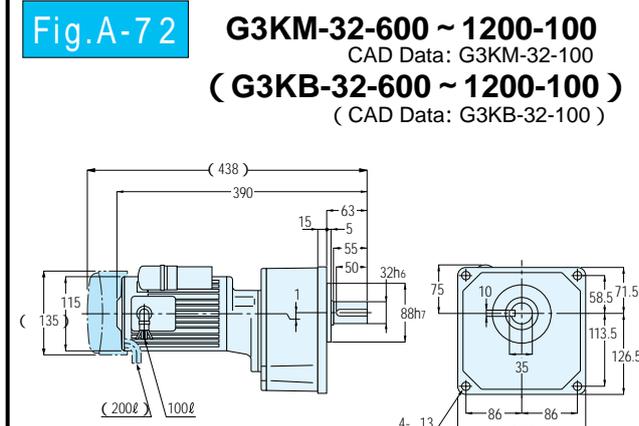
Round Weight 8 kg(9.5 kg)



Round Weight 9 kg(10.5 kg)



Round Weight 12 kg(13.5 kg)



Round Weight 15 kg(16.5 kg)

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Model Code P.A8 Option P.E78 ~ E85

Gearmotor Gearmotor with Brake

G3 Series 1-Phase 200W

The values in parentheses in the Performance Table/Dimension Diagram indicate the values of gearmotors with brake.

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system	Start System
		200W	200	50/60	100/100	5.1/4.5	1420/1700	B	Totally Enclosed Fan-cooled

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight Gearmotor (Gearmotor with Brake)				
				50Hz	60Hz	N·m		kgf·m		N		kgf		G3LM (G3LB)	G3FM (G3FB)	G3KM (G3KB)
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf					
1-phase 200W	18	1/ 5	33/ 164	300	360	6.1	5	0.62	0.51	770	78	P.A42 Fig.A-73 8.5kg (10kg)	P.A44 Fig.A-78 9kg (10.5kg)	P.A45 Fig.A-83 9kg (10.5kg)		
		1/ 10	77/ 779	150	180	11.8	9.8	1.2	1	1140	116					
		1/ 15	119/ 1804	100	120	18.6	14.7	1.9	1.5	1270	129					
		1/ 20	49/ 984	75	90	24.5	20.6	2.5	2.1	1450	147					
		1/ 25	28/ 697	60	72	30.4	25.5	3.1	2.6	1550	158					
	22	1/ 30	7/ 216	50	60	36.3	30.4	3.7	3.1	2280	232	P.A42 Fig.A-74 9.5kg (11kg)	P.A44 Fig.A-79 10kg (11.5kg)	P.A45 Fig.A-84 10kg (11.5kg)		
		1/ 40	91/ 3600	37.5	45	47	39.2	4.8	4	2410	245					
		1/ 50	11/ 540	30	36	58.8	49	6	5	2540	259					
		1/ 60	637/39600	25	30	70.6	58.8	7.2	6	2800	285					
		1/ 80	91/ 7200	18.8	22.5	94.1	78.4	9.6	8	3000	306					
	28	*1/ 100	11/ 1080	15	18	97	80.4	9.9	8.2	3180	324	P.A43 Fig.A-75 11.5kg (13kg)	P.A44 Fig.A-80 12kg (13.5kg)	P.A45 Fig.A-85 12kg (13.5kg)		
		1/ 100	13/ 1353	15	18	117	98	11.9	10	3690	376					
		1/ 120	91/11000	12.5	15	140	117	14.3	11.9	4320	440					
		1/ 160	1/ 165	9.4	11.2	187	156	19.1	15.9	4450	454					
	32	1/ 300	91/27348	5	6	313	261	31.9	26.6	5880	600	P.A43 Fig.A-76 15.5kg (17kg)	P.A44 Fig.A-81 16kg (17.5kg)	P.A45 Fig.A-86 16kg (17.5kg)		
		1/ 375	77/28620	4	4.8	391	326	39.9	33.3	5880	600					
		1/ 450	91/41022	3.3	4	431	391	44	39.9	5880	600					
	40	1/ 600	9/ 5300	2.5	3	626	521	63.9	53.2	7060	720	P.A43 Fig.A-77 22kg (23.5kg)	P.A44 Fig.A-82 23.5kg (25kg)			
		1/ 750	62/46427	2	2.4	764	653	78	66.6	7060	720					
		*1/ 900	23/21259	1.7	2	764	764	78	78	7060	720					
		*1/1200	9/10600	1.3	1.5	764	764	78	78	7060	720					

- Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A37 regarding rotation direction of output shaft.
 3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

Foot Mount Type

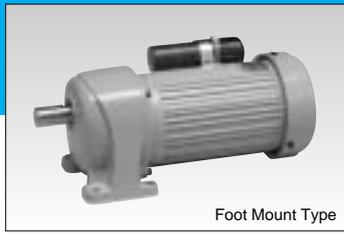
Fig.A-73 **G3LM-18-5 ~ 25-200**
 CAD Data: G3LM-18-200
(G3LB-18-5 ~ 25-200)
 (CAD Data: G3LB-18-200)

Round Weight 8.5kg(10kg)

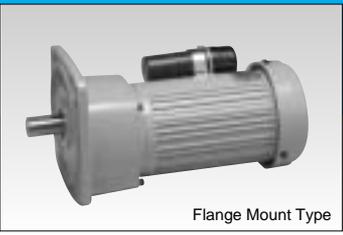
Fig.A-74 **G3LM-22-30 ~ 100-200**
 CAD Data: G3LM-22-200
(G3LB-22-30 ~ 100-200)
 (CAD Data: G3LB-22-200)

Round Weight 9.5kg(11kg)

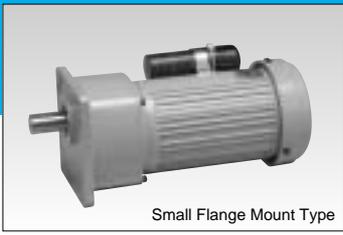
Model Code P.A8 Option P.E78 ~ E85



Foot Mount Type

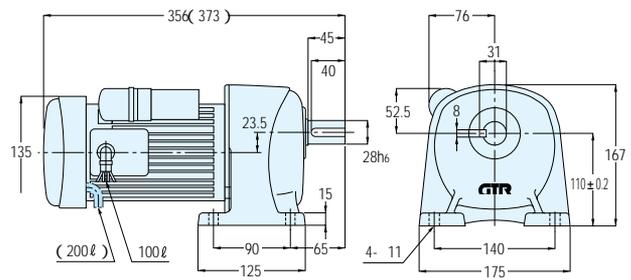


Flange Mount Type



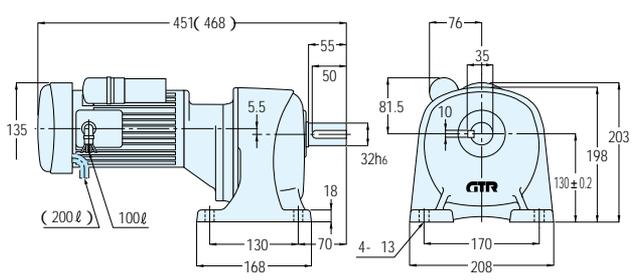
Small Flange Mount Type

Fig.A-75 **G3LM-28-100 ~ 200-200**
 CAD Data: G3LM-28-200
(G3LB-28-100 ~ 200-200)
 (CAD Data: G3LB-28-200)



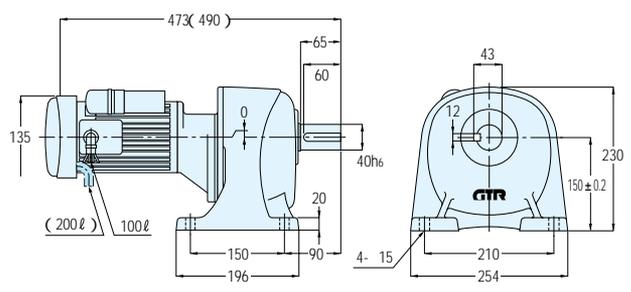
Round Weight 11.5kg(13kg)

Fig.A-76 **G3LM-32-300 ~ 450-200**
 CAD Data: G3LM-32-200
(G3LB-32-300 ~ 450-200)
 (CAD Data: G3LB-32-200)



Round Weight 15.5kg(17kg)

Fig.A-77 **G3LM-40-600 ~ 1200-200**
 CAD Data: G3LM-40-200
(G3LB-40-600 ~ 1200-200)
 (CAD Data: G3LB-40-200)



Round Weight 22kg(23.5kg)

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

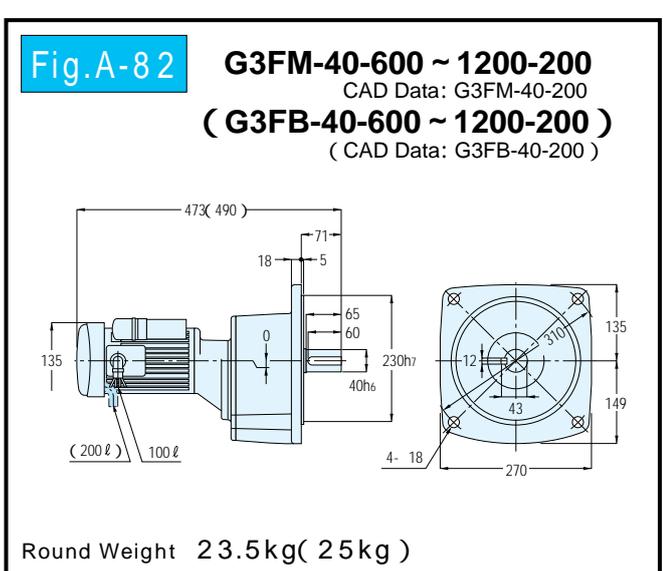
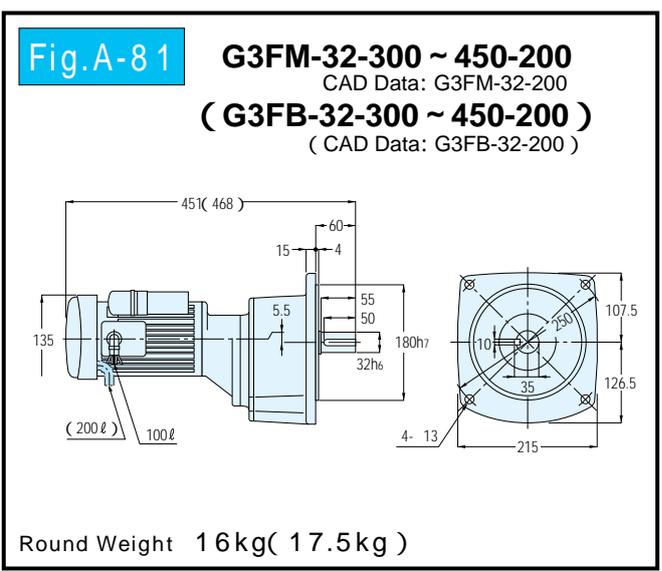
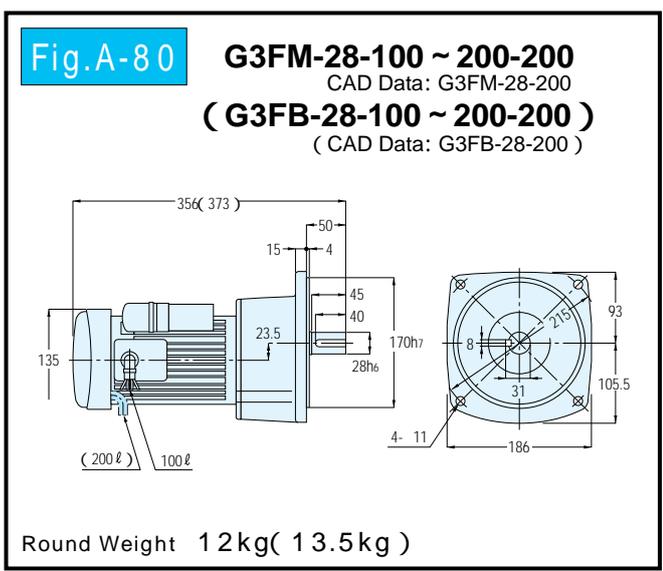
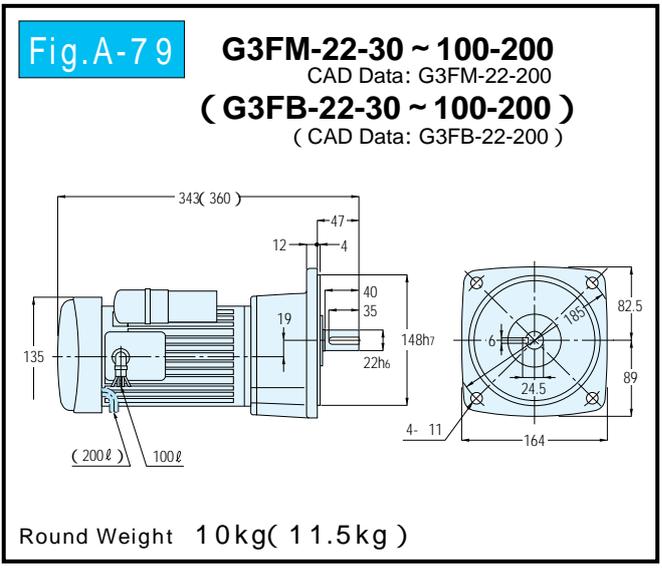
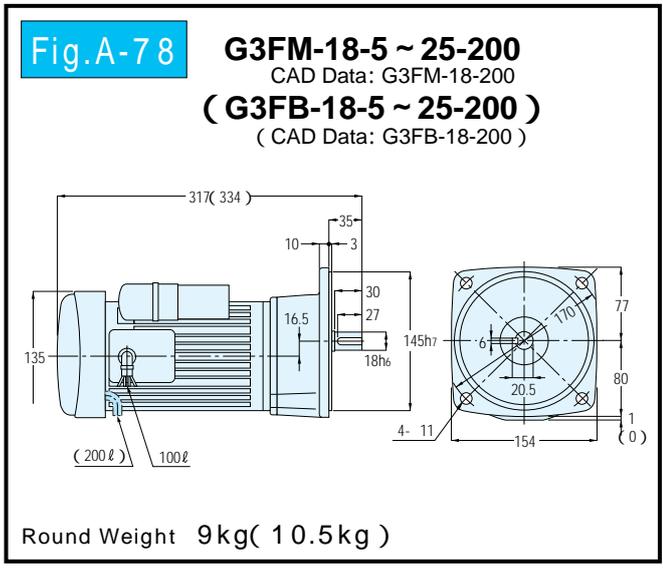
Gearmotor Gearmotor with Brake

G3 Series 1-Phase 200W

Flange Mount Type

The values in parentheses in the Dimension Diagram indicate the values of gearmotors with brake.

Parallel Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reducer (Double Shaft)
S-Type Reducer
Right Angle Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reducer (Double Shaft)
S-Type Reducer
Hollow Shaft Solid Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Reducer (Double Shaft)
S-Type Reducer
Concentric Hollow Shaft Concentric Solid Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Reducer (Parallel Shaft)
S-Type Reducer
Technical Information
Standard Motors
Cautions for Safety
Option
GT-STEP Index Gearmotor
KOMPASS Gearbox



Model Code P.A8 Option P.E78 ~ E85

Small Flange Mount Type

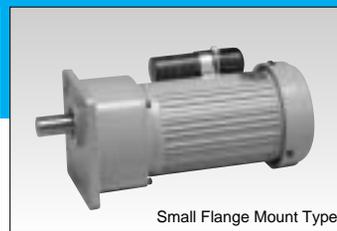
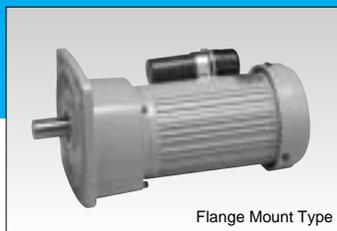
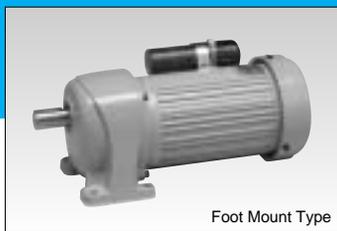
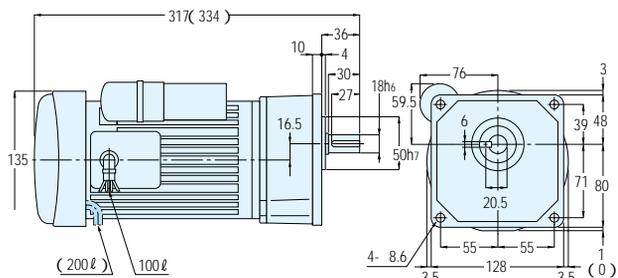


Fig.A-83

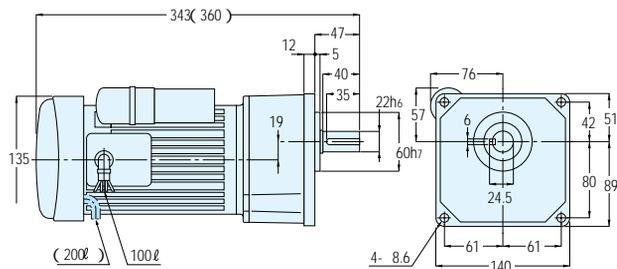
G3KM-18-5 ~ 25-200
CAD Data: G3KM-18-200
(G3KB-18-5 ~ 25-200)
(CAD Data: G3KB-18-200)



Round Weight 9kg(10.5kg)

Fig.A-84

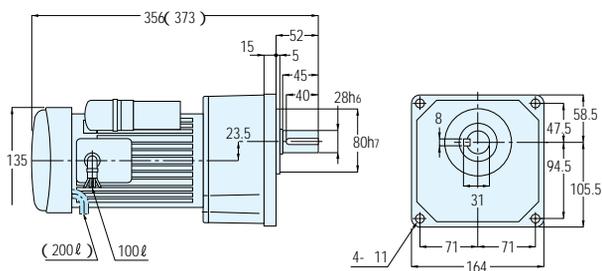
G3KM-22-30 ~ 100-200
CAD Data: G3KM-22-200
(G3KB-22-30 ~ 100-200)
(CAD Data: G3KB-22-200)



Round Weight 10kg(11.5kg)

Fig.A-85

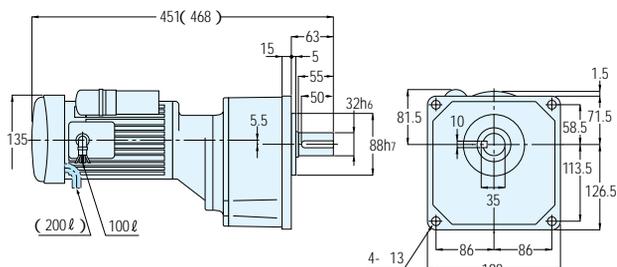
G3KM-28-100 ~ 200-200
CAD Data: G3KM-28-200
(G3KB-28-100 ~ 200-200)
(CAD Data: G3KB-28-200)



Round Weight 12kg(13.5kg)

Fig.A-86

G3KM-32-300 ~ 450-200
CAD Data: G3KM-32-200
(G3KB-32-300 ~ 450-200)
(CAD Data: G3KB-32-200)



Round Weight 16kg(17.5kg)

Parallel Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reducer (Double Shaft)
S-Type Reducer
Right Angle Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch /Brake
Reduce (Double Shaft)
S-Type Reducer
Hollow Shaft Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-Resistant, Outdoor Gearmotor with Brake
Reduce (Double Shaft)
S-Type Reducer
Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-Resistant, Outdoor Gearmotor with Brake
Reducer (Parallel Shaft)
S-Type Reducer
Technical Information
Standard Motors
Cautions for Safety
Option
GT-STEP Index Gearmotor
KOMPASS Gearbox

Gearmotor Gearmotor with Brake

G3 Series 1-Phase 400W

The values in parentheses in the Performance Table/Dimension Diagram indicate the values of gearmotors with brake.

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system	Start System
		400W	400	50/60	100/100	8.7/7.9	1440/1730	B	Totally Enclosed Fan-cooled

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight Gearmotor (Gearmotor with Brake)				
				50Hz	60Hz	N·m		kgf·m		N		kgf		G3LM (G3LB)	G3FM (G3FB)	G3KM (G3KB)
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf					
1-phase 400W	22	1/ 5	7/ 34	300	360	12	10	1.2	1	1140	116	P.A46 Fig.A-87 15kg (17.5kg)	P.A48 Fig.A-92 15.5kg (18kg)	P.A49 Fig.A-97 15.5kg (18kg)		
		1/ 10	7/ 68	150	180	25	21	2.5	2.1	1530	156					
		1/ 15	49/ 748	100	120	36	30	3.7	3.1	1780	181					
		1/ 20	7/ 136	75	90	48	40	4.9	4.1	1910	194					
		1/ 25	7/ 170	60	72	61	50	6.2	5.1	2050	209					
	28	1/ 30	1/ 30	50	60	73	61	7.4	6.2	3310	337	P.A46 Fig.A-88 17kg (19.5kg)	P.A48 Fig.A-93 17.5kg (20kg)	P.A49 Fig.A-98 17.5kg (20kg)		
		1/ 40	221/ 8610	37.5	45	94	78	9.6	8	3690	376					
		1/ 50	187/ 9030	30	36	117	98	11.9	10	4080	416					
		1/ 60	169/ 9840	25	30	140	117	14.3	11.9	4450	454					
		1/ 80	65/ 5166	18.8	22.5	187	156	19.1	15.9	4450	454					
	32	*1/ 100	55/ 5418	15	18	193	161	19.7	16.4	4450	454	P.A47 Fig.A-89 20kg (22.5kg)	P.A48 Fig.A-94 20.5kg (23kg)	P.A49 Fig.A-99 20.5kg (23kg)		
		1/ 100	7/ 688	15	18	234	195	23.9	19.9	6370	650					
		1/ 120	77/ 9360	12.5	15	281	234	28.7	23.9	7640	779					
		1/ 160	21/ 3328	9.4	11.2	374	313	38.2	31.9	7640	779					
	40	1/ 300	7/ 2160	5	6	626	521	63.9	53.2	7060	720	P.A47 Fig.A-90 28.5kg (31kg)	P.A48 Fig.A-95 30kg (32.5kg)			
		1/ 375	77/29328	4	4.8	764	653	78	66.6	7060	720					
		*1/ 450	49/21600	3.3	4	764	764	78	78	7060	720					
	50	1/ 600	57/35360	2.5	3	1225	1044	125	106.5	9800	1000	P.A47 Fig.A-91 58kg (60.5kg)	P.A48 Fig.A-96 63kg (65.5kg)			
		*1/ 750	25/19448	2	2.4	1225	1225	125	125	9800	1000					
		*1/ 900	5/ 4338	1.7	2	1225	1225	125	125	9800	1000					
*1/1200		33/40664	1.3	1.5	1225	1225	125	125	9800	1000						

- Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A37 regarding rotation direction of output shaft.
 3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

Foot Mount Type

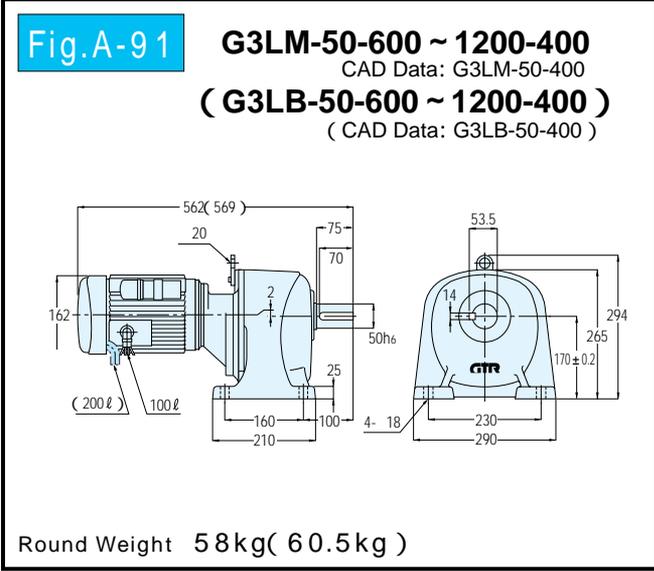
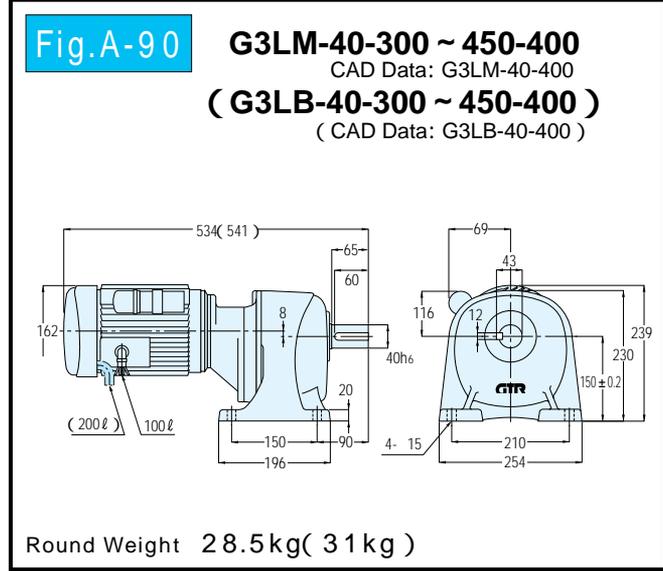
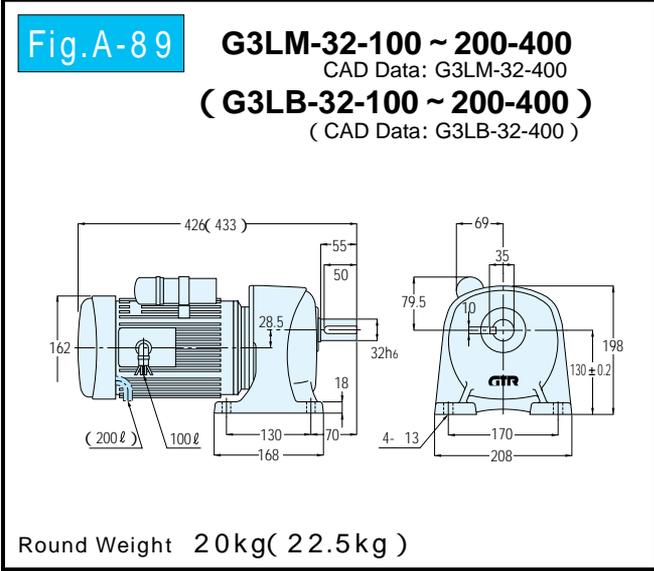
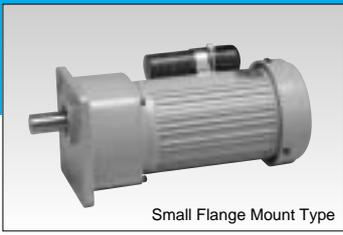
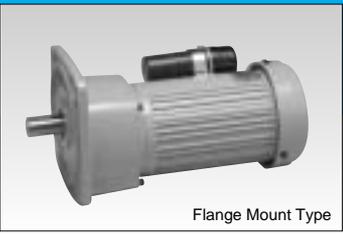
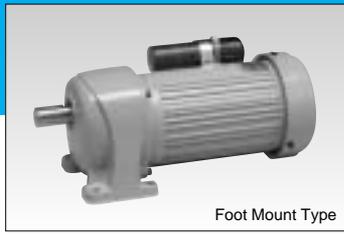
Fig.A-87 **G3LM-22-5 ~ 25-400**
 CAD Data: G3LM-22-400
(G3LB-22-5 ~ 25-400)
 (CAD Data: G3LB-22-400)

Round Weight 15kg (17.5kg)

Fig.A-88 **G3LM-28-30 ~ 100-400**
 CAD Data: G3LM-28-400
(G3LB-28-30 ~ 100-400)
 (CAD Data: G3LB-28-400)

Round Weight 17kg (19.5kg)

Model Code P.A8 Option P.E78 ~ E85



- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Gearmotor Gearmotor with Brake

G3 Series 1-Phase 400W

Flange Mount Type

The values in parentheses in the Dimension Diagram indicate the values of gearmotors with brake.

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Fig.A-92 **G3FM-22-5 ~ 25-400**
 CAD Data: G3FM-22-400
(G3FB-22-5 ~ 25-400)
 (CAD Data: G3FB-22-400)

Round Weight 15.5kg(18kg)

Fig.A-93 **G3FM-28-30 ~ 100-400**
 CAD Data: G3FM-28-400
(G3FB-28-30 ~ 100-400)
 (CAD Data: G3FB-28-400)

Round Weight 17.5kg(20kg)

Fig.A-94 **G3FM-32-100 ~ 200-400**
 CAD Data: G3FM-32-400
(G3FB-32-100 ~ 200-400)
 (CAD Data: G3FB-32-400)

Round Weight 20.5kg(23kg)

Fig.A-95 **G3FM-40-300 ~ 450-400**
 CAD Data: G3FM-40-400
(G3FB-40-300 ~ 450-400)
 (CAD Data: G3FB-40-400)

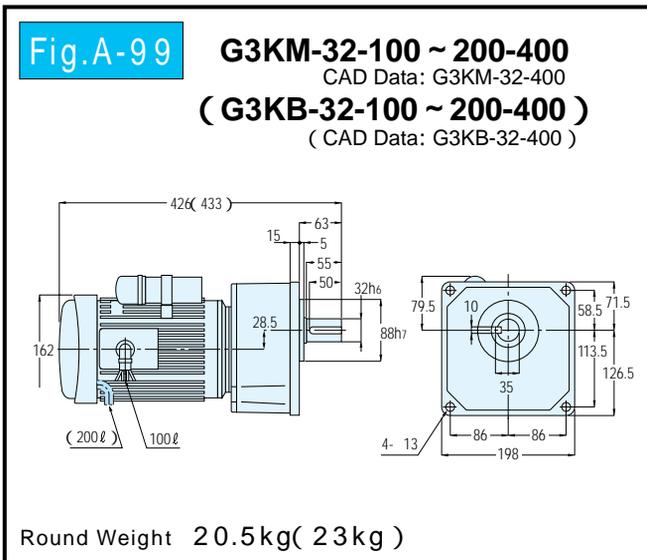
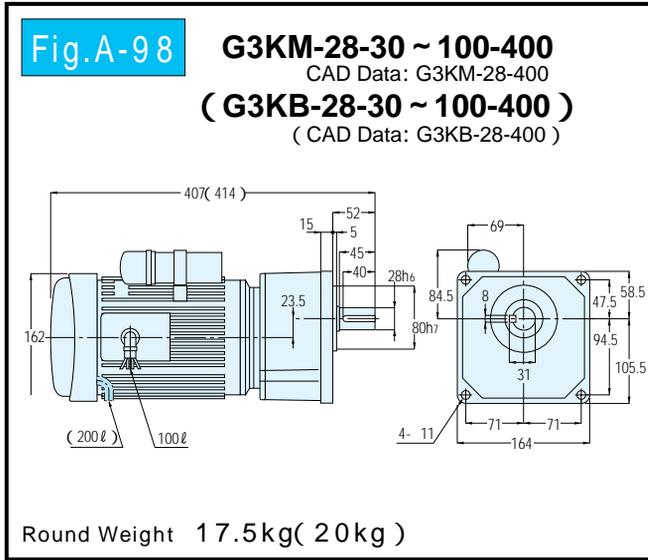
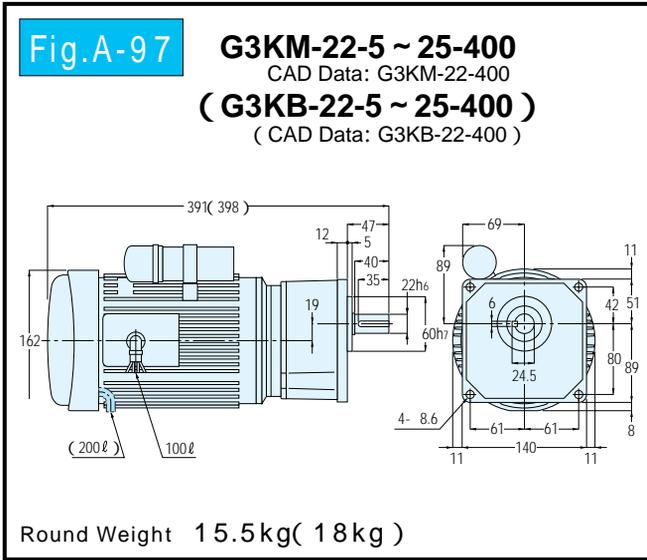
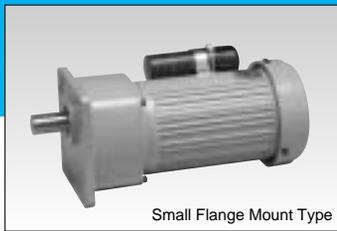
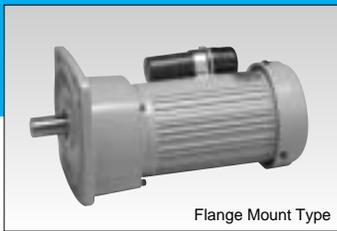
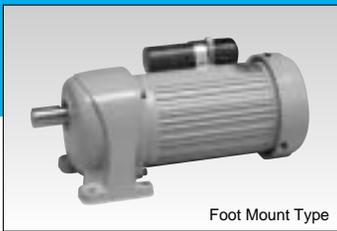
Round Weight 30kg(32.5kg)

Fig.A-96 **G3FM-50-600 ~ 1200-400**
 CAD Data: G3FM-50-400
(G3FB-50-600 ~ 1200-400)
 (CAD Data: G3FB-50-400)

Round Weight 63kg(65.5kg)

Model Code P.A8 Option P.E78 ~ E85

Small Flange Mount Type



Parallel Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reducer (Double Shaft)
S-Type Reducer
Right Angle Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch /Brake
Reduce (Double Shaft)
S-Type Reducer
Hollow Shaft Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-Resistant, Outdoor Gearmotor with Brake
Reduce (Double Shaft)
S-Type Reducer
Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-Resistant, Outdoor Gearmotor with Brake
Reducer (Parallel Shaft)
S-Type Reducer
Technical Information
Standard Motors
Cautions for Safety
Option
GT-STEP Index Gearmotor
KOMPASS Gearbox



Parallel Shaft IP-65

Water-Resistant Gearmotor Gearmotor with Brake

Model · Type Designation Standard Model Lineup

G3

Series

Standard Specifications G3 Series (Water-Resistant-Outdoor)

Motor Part	Number of phase	3-Phase
	Capacity	0.1kW ~ 2.2kW
	Power Source	3 Rated Power Source 200V 50/60Hz, 220V/60Hz
	Insulation Classification	Class B
	Starting Method	Direct start
	Protective cooling Method	Totally Enclosed fan-cooled(Totally Enclosed non-ventilated for 0.1kW)
	Number of Pole	4
	Rating	Continuous Rating
Speed Reduction Part	Reduction Method	Helical gear
	Lubrication	Grease Lubrication(Maintenance Free)
	Output Shaft	New JIS Key(JIS 1301-1996 Standard)
	Output Shaft Material	SUS420J2(Water-Resistant W/Carbon Steel Shaft is S43C)
	Case Material	Aluminium die-cast(Frame No.50: Cast iron)
Ambient Conditions	Ambient Temperature	- 10 ~ 40
	Ambient Humidity	100% max.(without any dew condensation)
	Altitude	1,000m max.
	Environment	Well ventilated place free from corrosive gas, Should not be used in water and the place where high-hydrostatic pressure receives.
	Installation Location	Indoors
Painting	Painting Method	Anion painting, Acrylic paint
	Painting Color	Grey(Mansel code: 9B6/0.5)
Mounting Direction	No restriction in the mounting angle.(horizontally, vertically or heeling angle)	

Model and Type Designation G3 Series(Parallel Shaft)

G3 series Water-Resistant-Outdoor gearmotor are classified by codes as shown below. Specify these codes in your inquiry and order.

Type	Frame Number	Reduction Ratio	Motor Capacity	Option	Terminal box	Auxiliary Mark	Spec. Designation
G3 L W	22	50	T020		E		
G3 F V	40	200	075	W	E	X	AA

Series Name	G3 : G3 Series (Parallel Shaft)
Classification by Mount Form	L : Foot Mount
	F : Flange Mount
	K : Small Flange Mount(Frame No.18 ~ 32)
Classification by Motor Type	W : With Water-resistant Motor W/SUS Shaft (JIS:SUS420J2)
	V : With Water-resistant Brake Motor (Output Shaft material:SUS420J2)
	G : With Water-resistant moter W/Carbon Steel Shaft (JIS:S43C)
	H : With Outdoor Brake Motor (Output Shaft material:S43C)
Frame No. and Diameter of Output shaft	Output Shaft Diameter
Reduction Ratio	5 : 1 / 5 ~ 1200 : 1 / 1200
Motor Designation and Capacity	T010 : 3-phase 0.1 kW
	T020 : 3-phase 0.2 kW
	T040 : 3-phase 0.4 kW
	075 : 3-phase 0.75kW
	150 : 3-phase 1.5 kW
	220 : 3-phase 2.2 kW
Option	Blank : Standard Specifications 3-phase: 200V / 50Hz, 200V / 60Hz, 220V / 60Hz
	W : High Voltage 3-phase: 380V / 50Hz, 400V / 50Hz, 400V / 60Hz, 440V / 60Hz
Terminal box	E : Terminal Box for Water-resistant type (Standard Specs.)
Auxiliary Mark	Blank : Standard Specs.
	X : Mark for Additional Specs.
Spec. Designation	Specification Code for Rectifier built-in Wiring For details, refer to the Specification Code Table on page E31. Indication of Terminal Box lead wire position Refer to the indication mark list in P. E35 for details.

Note Spec. Designation does not appear on the product type designation in the nameplate. It is specified on the additional numbers in the nameplate.

Separated rectifier type is the standard specification of the terminal box in gearmotors with brake. When you need the rectifier built-in type, contact us with the following manner. We will do the wiring accordingly.For details, refer to page E31.

Type	Type Code when ordering(Example) (Indicate this type cord in your order.)
Standard (rectifier separated)	G3LV-32-200-T040E
AC Switching A	G3LV-32-200-T040EX-AA
AC Switching B	G3LV-32-200-T040EX-AB
DC Switching	G3LV-32-200-T040EX-DC

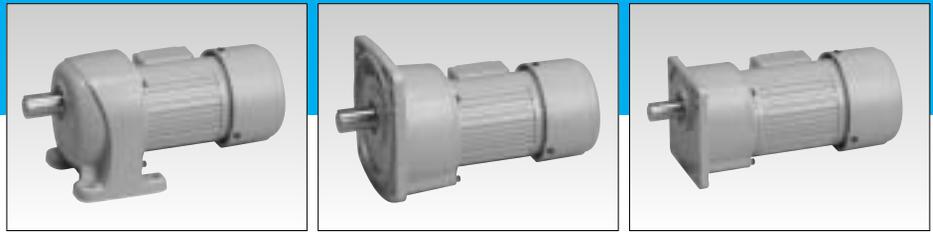
(Note) The wiring method indication code does not appear on the product-type name. It appears in the supplemental number column on the nameplate.

Model•Type Code (Option)

Capacity•Option
T040 E X - AA

Terminal box	Refer to the above table.
Auxiliary Code	Refer to the above table.
Wiring Method Indication Code Note	Refer to the table on the left.

Standard Model Lineup



Standard Model Lineup

Type	4P Motor Capacity	Frame Number	Reduction Ratio							
Water-Resistant Gearmotor W/SUS Shaft G3LW•G3FW G3KW Water-Resistant Brake Gearmotor W/SUS Shaft G3LV•G3FV G3KV Water-Resistant Gearmotor W/Carbon Steel Shaft G3LG•G3FG G3KG Water-Resistant Brake Gearmotor W/Carbon Steel Shaft G3LH•G3FH G3KH	3-Phase 0.1kW	18	1/5	1/10	1/15	1/20	1/25	1/30	1/40	1/50
		22	1/60	1/80	1/100	1/120	1/160	1/200		
		28	1/300	1/375	1/450					
		32	1/600	1/750	1/900	1/1200				
	3-Phase 0.2kW	18	1/5	1/10	1/15	1/20	1/25			
		22	1/30	1/40	1/50	1/60	1/80	1/100		
		28	1/100	1/120	1/160	1/200				
		32	1/300	1/375	1/450					
	3-Phase 0.4kW	22	1/5	1/10	1/15	1/20	1/25			
		28	1/30	1/40	1/50	1/60	1/80	1/100		
		32	1/100	1/120	1/160	1/200				
		40	1/300	1/375	1/450					
3-Phase 0.75kW	50	1/600	1/750	1/900	1/1200					
	28	1/5	1/10	1/15	1/20	1/25				
	32	1/30	1/40	1/50	1/60	1/80	1/100			
	40	1/100	1/120	1/160	1/200					
3-Phase 1.5kW	50	1/300	1/375	1/450						
	32	1/5	1/10	1/15	1/20	1/25				
	40	1/30	1/40	1/50	1/60	1/80	1/100			
	50	1/100	1/120	1/160	1/200					
3-Phase 2.2kW	40	1/5	1/10	1/15	1/20	1/25				
	50	1/30	1/40	1/50	1/60	1/80	1/100			

Note 1) In the G3 Series, 3 kinds are available, namely Foot Mount, Flange Mount and Small Flange Mount. Please note that the Small Flange Mount is available only for the frame No.18 ~ 32.

2) The models enclosed with orange color bold line are low torque type. Special care should be given to the allowable torque in the performance table.

Parallel Shaft Performance Table/Dimension

Gearmotor with Brake

Water-resistant, Outdoor Gearmotor with Brake

Gearmotor with Clutch/Brake

Reducer (Double Shaft)

S-Type Reducer

Right Angle Shaft Performance Table/Dimension

Gearmotor with Brake

Water-resistant, Outdoor Gearmotor with Brake

Gearmotor with Clutch/Brake

Reduce (Double Shaft)

S-Type Reducer

Hollow Shaft Solid Shaft Performance Table/Dimension

Gearmotor with Brake

Water-Resistant, Outdoor Gearmotor with Brake

Reduce (Double Shaft)

S-Type Reducer

Concentric Hollow Shaft Concentric Solid Shaft Performance Table Dimension

Gearmotor with Brake

Water-Resistant, Outdoor Gearmotor with Brake

Reducer (Parallel Shaft)

S-Type Reducer

Technical Information

Standard Motors

Cautions for Safety

Option

GT-STEP Index Gearmotor

KOMPASS Gearbox



Parallel Shaft IP-65

Water-Resistant W/SUS Shaft
Water-Resistant W/Carbon Steel Shaft
**Gearmotor
Gearmotor with Brake**

Performance Table Dimension diagram

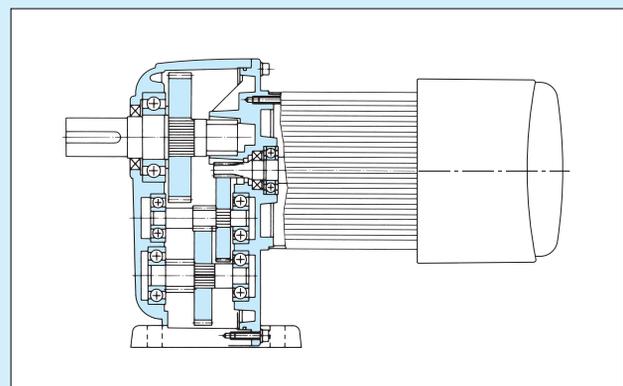
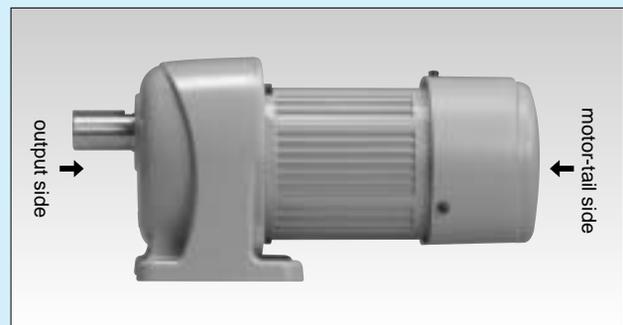
G3

Series

3-Phase

【Remarks】

Values in the parenthesis in the performance table/dimension diagram are the values of gearmotor with brake.
The output rotation speed is the value corresponds to the motor synchronous speed and the nominal reduction ratio.
The Shaded areas  in the performance table shows that in case gearmotors are wired according to the diagram shown on [page E28](#), the shaft rotates clock wise when viewing from output side. (Refer to the diagram shown below.)



Water-Resistant Gearmotor Water-Resistant Gearmotor with Brake

G3 Series 3-Phase 0.1 kW

The values in parentheses in the Performance Table/Dimension Diagram indicate the values of gearmotors with brake.

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.1kW	T010	50/60/60	200/200/220	0.61/0.54/0.54	1420/1700/1720	B	Totally Enclosed

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight Gearmotor (Gearmotor with Brake)				
				50Hz	60Hz	N·m		kgf·m		N		kgf		G3L $\frac{W}{Y}$ (G3L $\frac{X}{Y}$)	G3F $\frac{W}{Y}$ (G3F $\frac{X}{Y}$)	G3K $\frac{W}{Y}$ (G3K $\frac{X}{Y}$)
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf					
3-phase 0.1kW	18	1/ 5	33/ 164	300	360	3	2.5	0.31	0.26	770	78	P.A56 Fig.A-100 6kg (7.5kg)	P.A57 Fig.A-104 6.5kg (8kg)	P.A58 Fig.A-108 6.5kg (8kg)		
		1/ 10	77/ 779	150	180	6.1	5	0.62	0.51	1140	116					
		1/ 15	119/ 1804	100	120	9.1	7.5	0.93	0.77	1270	129					
		1/ 20	49/ 984	75	90	12	9.8	1.2	1	1530	156					
		1/ 25	28/ 697	60	72	15	12.7	1.5	1.3	1650	168					
		1/ 30	35/ 1066	50	60	19	14.7	1.9	1.5	1780	181					
	22	1/ 40	35/ 1404	37.5	45	24	19.6	2.4	2	1910	194	P.A56 Fig.A-101 7kg (8.5kg)	P.A57 Fig.A-105 7.5kg (9kg)	P.A58 Fig.A-109 7.5kg (9kg)		
		1/ 50	7/ 351	30	36	29	24.5	3	2.5	2040	208					
		1/ 60	11/ 684	25	30	35	29.4	3.6	3	2800	285					
		1/ 80	21/ 1634	18.8	22.5	47	39.2	4.8	4	3180	324					
		1/ 100	7/ 684	15	18	59	49	6	5	3180	324					
		1/ 120	147/17974	12.5	15	71	58.8	7.2	6	3180	324					
	28	1/ 160	21/ 3268	9.4	11.2	94	78.4	9.6	8	3180	324	P.A57 Fig.A-102 10kg (11.5kg)	P.A57 Fig.A-106 10.5kg (12kg)	P.A58 Fig.A-110 10.5kg (12kg)		
		1/ 200	21/ 4085	7.5	9	117	98	11.9	10	3180	324					
		1/ 300	221/65190	5	6	157	130	16	13.3	3430	350					
		1/ 375	187/68370	4	4.8	196	163	20	16.6	3430	350					
		1/ 450	181/79793	3.3	4	235	196	24	20	3430	350					
		1/ 600	147/88192	2.5	3	313	261	31.9	26.6	5880	600					
32	1/ 750	49/36464	2	2.4	391	326	39.9	33.3	5880	600	P.A57 Fig.A-103 13kg (14.5kg)	P.A57 Fig.A-107 13.5kg (15kg)	P.A58 Fig.A-111 13.5kg (15kg)			
	*1/ 900	62/57063	1.7	2	431	391	44	39.9	5880	600						
	*1/1200	46/55195	1.3	1.5	431	431	44	44	5880	600						

- Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A55 regarding rotation direction of output shaft.
 3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

Foot Mount Type

Fig.A-100 **G3L $\frac{W}{Y}$ -18-5 ~ 50-T010E**
 CAD Data: G3L $\frac{W}{Y}$ -18-T010E
(G3L $\frac{X}{Y}$ -18-5 ~ 50-T010E)
 (CAD Data: G3L $\frac{X}{Y}$ -18-T010E)

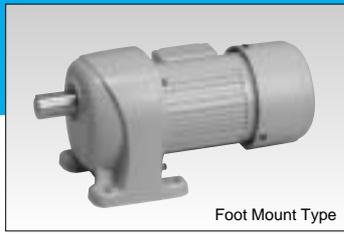
Round Weight 6kg(7.5 kg)

Fig.A-101 **G3L $\frac{W}{Y}$ -22-60 ~ 200-T010E**
 CAD Data: G3L $\frac{W}{Y}$ -22-T010E
(G3L $\frac{X}{Y}$ -22-60 ~ 200-T010E)
 (CAD Data: G3L $\frac{X}{Y}$ -22-T010E)

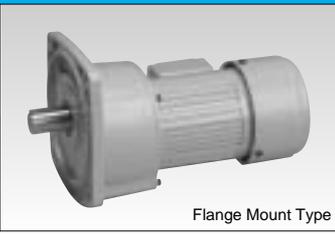
Round Weight 7kg(8.5 kg)

Note) For the dimension of the key for the output shaft, refer to the detailed dimensions common to output shafts on page E52.

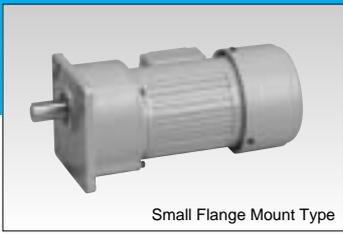
Model Code P.A52	Multipurpose Inverter P.E86 ~ E92	Option P.E78 ~ E92
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Foot Mount Type



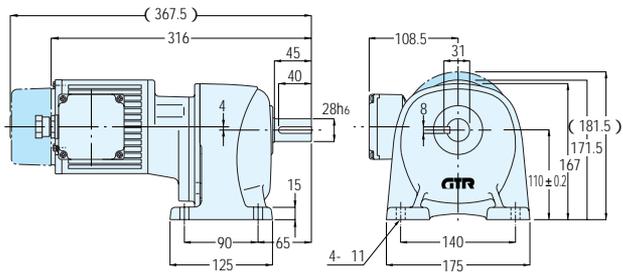
Flange Mount Type



Small Flange Mount Type

Fig.A-102

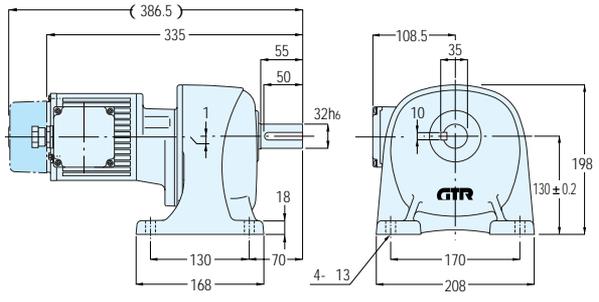
G3L_W-28-300 ~ 450-T010E
 CAD Data: G3L_W-28-T010E
(G3L_H-28-300 ~ 450-T010E)
 (CAD Data: G3L_H-28-T010E)



Round Weight 10kg(11.5kg)

Fig.A-103

G3L_W-32-600 ~ 1200-T010E
 CAD Data: G3L_W-32-T010E
(G3L_H-32-600 ~ 1200-T010E)
 (CAD Data: G3L_H-32-T010E)

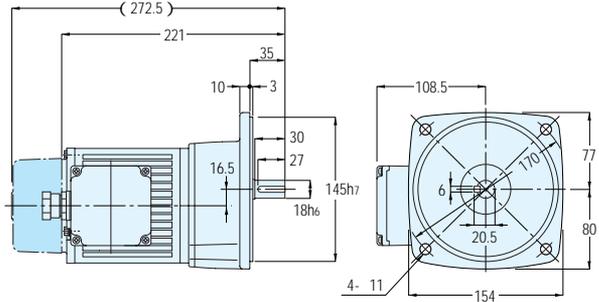


Round Weight 13kg(14.5kg)

Flange Mount Type

Fig.A-104

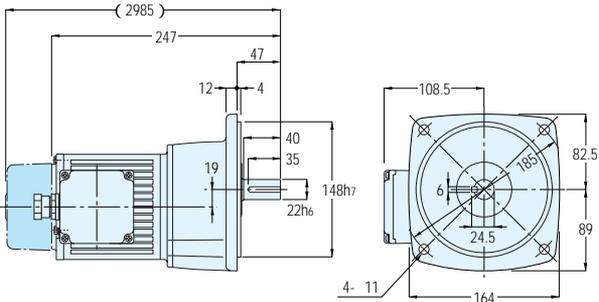
G3F_W-18-5 ~ 50-T010E
 CAD Data: G3F_W-18-T010E
(G3F_H-18-5 ~ 50-T010E)
 (CAD Data: G3F_H-18-T010E)



Round Weight 6.5kg(8kg)

Fig.A-105

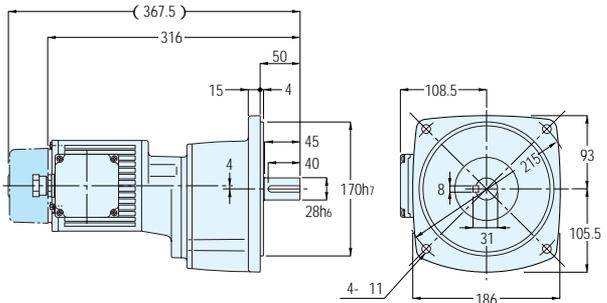
G3F_W-22-60 ~ 200-T010E
 CAD Data: G3F_W-22-T010E
(G3F_H-22-60 ~ 200-T010E)
 (CAD Data: G3F_H-22-T010E)



Round Weight 7.5kg(9kg)

Fig.A-106

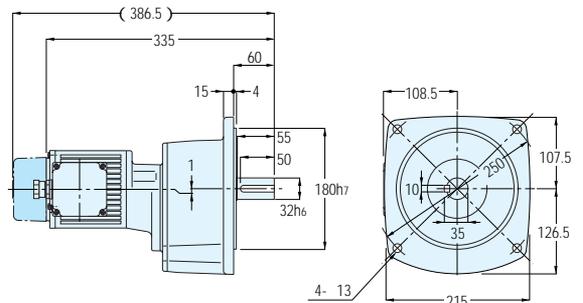
G3F_W-28-300 ~ 450-T010E
 CAD Data: G3F_W-28-T010E
(G3F_H-28-300 ~ 450-T010E)
 (CAD Data: G3F_H-28-T010E)



Round Weight 10.5kg(12kg)

Fig.A-107

G3F_W-32-600 ~ 1200-T010E
 CAD Data: G3F_W-32-T010E
(G3F_H-32-600 ~ 1200-T010E)
 (CAD Data: G3F_H-32-T010E)



Round Weight 13.5kg(15kg)

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Water-Resistant Gearmotor Water-Resistant Gearmotor with Brake

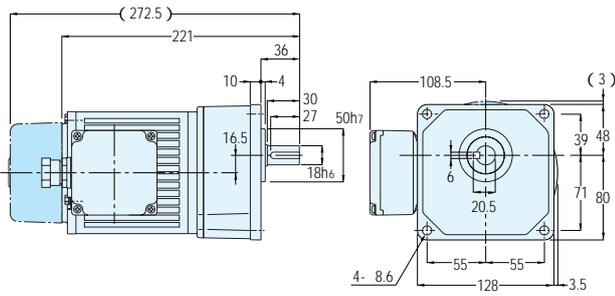
G3 Series 3-Phase 0.1 kW

Small Flange Mount Type

The values in parentheses in the Dimension Diagram indicate the values of gearmotors with brake.

Fig.A-108

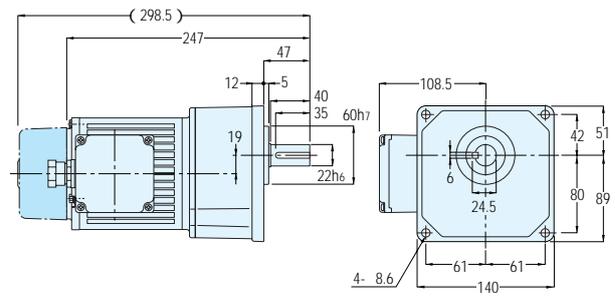
G3K_G^W-18-5 ~ 50-T010E
CAD Data: G3K_G^W-18-T010E
(G3K_H^W-18-5 ~ 50-T010E)
(CAD Data: G3K_H^W-18-T010E)



Round Weight 6.5 kg(8 kg)

Fig.A-109

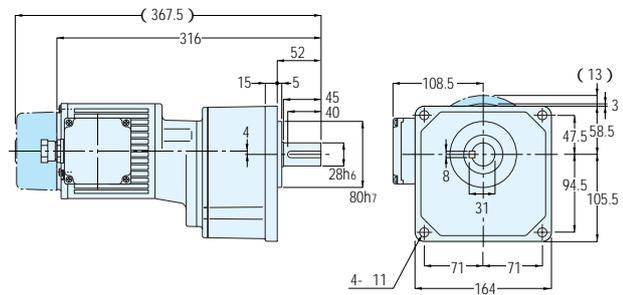
G3K_G^W-22-60 ~ 200-T010E
CAD Data: G3K_G^W-22-T010E
(G3K_H^W-22-60 ~ 200-T010E)
(CAD Data: G3K_H^W-22-T010E)



Round Weight 7.5 kg(9 kg)

Fig.A-110

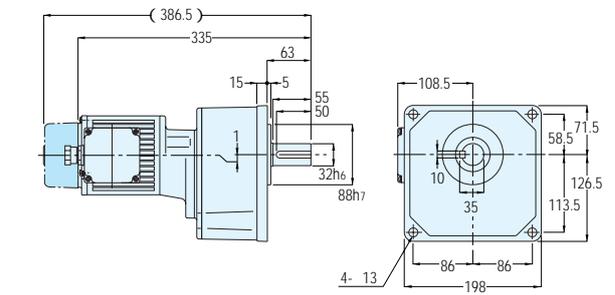
G3K_G^W-28-300 ~ 450-T010E
CAD Data: G3K_G^W-28-T010E
(G3K_H^W-28-300 ~ 450-T010E)
(CAD Data: G3K_H^W-28-T010E)



Round Weight 10.5 kg(12 kg)

Fig.A-111

G3K_G^W-32-600 ~ 1200-T010E
CAD Data: G3K_G^W-32-T010E
(G3K_H^W-32-600 ~ 1200-T010E)
(CAD Data: G3K_H^W-32-T010E)



Round Weight 13.5 kg(15 kg)

(Note) For the dimension of the key for the output shaft, refer to the detailed dimensions common to output shafts on page E52.

Model Code P.A52	Multipurpose Inverter P.E86 ~ E92	Option P.E78 ~ E92
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- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Water-Resistant Gearmotor Water-Resistant Gearmotor with Brake

G3 Series 3-Phase 0.2kW

The values in parentheses in the Performance Table/Dimension Diagram indicate the values of gearmotors with brake.

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.2kW	T020	50/60/60	200/200/220	1.1/1.0/1.0	1420/1710/1720	B	Totally Enclosed Fan-cooled

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight Gearmotor (Gearmotor with Brake)				
				50Hz	60Hz	N·m		kgf·m		N		kgf		G3L _W (G3L _W)	G3F _W (G3F _W)	G3K _W (G3K _W)
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf					
3-phase 0.2kW	18	1/ 5	33/ 164	300	360	6.1	5	0.62	0.51	770	78	P.A60 Fig.A-112 6.5kg (8kg)	P.A62 Fig.A-117 7kg (8.5kg)	P.A63 Fig.A-122 7kg (8.5kg)		
		1/ 10	77/ 779	150	180	11.8	9.8	1.2	1	1140	116					
		1/ 15	119/ 1804	100	120	18.6	14.7	1.9	1.5	1270	129					
		1/ 20	49/ 984	75	90	24.5	20.6	2.5	2.1	1450	147					
		1/ 25	28/ 697	60	72	30.4	25.5	3.1	2.6	1550	158					
	22	1/ 30	7/ 216	50	60	36.3	30.4	3.7	3.1	2280	232	P.A60 Fig.A-113 7.5kg (9kg)	P.A62 Fig.A-118 8kg (9.5kg)	P.A63 Fig.A-123 8kg (9.5kg)		
		1/ 40	91/ 3600	37.5	45	47	39.2	4.8	4	2410	245					
		1/ 50	11/ 540	30	36	58.8	49	6	5	2540	259					
		1/ 60	637/39600	25	30	70.6	58.8	7.2	6	2800	285					
		1/ 80	91/ 7200	18.8	22.5	94.1	78.4	9.6	8	3000	306					
	28	* 1/ 100	11/ 1080	15	18	97	80.4	9.9	8.2	3180	324	P.A61 Fig.A-144 9.5kg (11kg)	P.A62 Fig.A-119 10kg (11.5kg)	P.A63 Fig.A-124 10kg (11.5kg)		
		1/ 100	13/ 1353	15	18	117	98	11.9	10	3690	376					
		1/ 120	91/11000	12.5	15	140	117	14.3	11.9	4320	440					
		1/ 160	1/ 165	9.4	11.2	187	156	19.1	15.9	4450	454					
	32	1/ 200	7/ 1375	7.5	9	234	195	23.9	19.9	4450	454	P.A61 Fig.A-115 13.5kg (15kg)	P.A62 Fig.A-120 14kg (15.5kg)	P.A63 Fig.A-125 14kg (15.5kg)		
		1/ 300	91/27348	5	6	313	261	31.9	26.6	5880	600					
		1/ 375	77/28620	4	4.8	391	326	39.9	33.3	5880	600					
	40	1/ 450	91/41022	3.3	4	431	391	44	39.9	5880	600	P.A61 Fig.A-116 20kg (21.5kg)	P.A62 Fig.A-121 21.5kg (23kg)			
		1/ 600	9/ 5300	2.5	3	626	521	63.9	53.2	7060	720					
		1/ 750	62/46427	2	2.4	764	653	78	66.6	7060	720					
* 1/ 900		23/21259	1.7	2	764	764	78	78	7060	720						
* 1/1200		9/10600	1.3	1.5	764	764	78	78	7060	720						

- Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A55 regarding rotation direction of output shaft.
 3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

Foot Mount Type

Fig.A-112 **G3L_W-18-5 ~ 25-T020E**
 CAD Data : G3L_W-18-T020E
(G3L_W-18-5 ~ 25-T020E)
 (CAD Data : G3L_W-18-T020E)

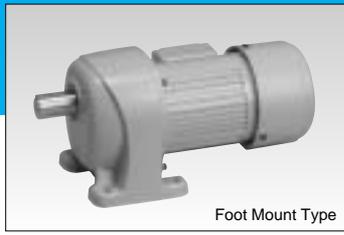
Round Weight 6.5kg(8kg)

Fig.A-113 **G3L_W-22-30 ~ 100-T020E**
 CAD Data : G3L_W-22-T020E
(G3L_W-22-30 ~ 100-T020E)
 (CAD Data : G3L_W-22-T020E)

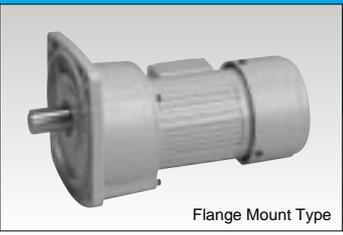
Round Weight 7.5kg(9kg)

Note) For the dimension of the key for the output shaft, refer to the detailed dimensions common to output shafts on page E52.

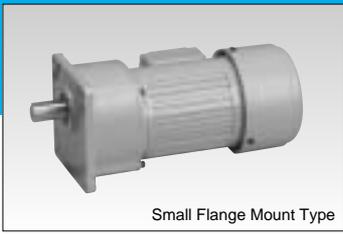
Model Code P.A52 Multipurpose Inverter P.E86 ~ E92 Option P.E78 ~ E92



Foot Mount Type



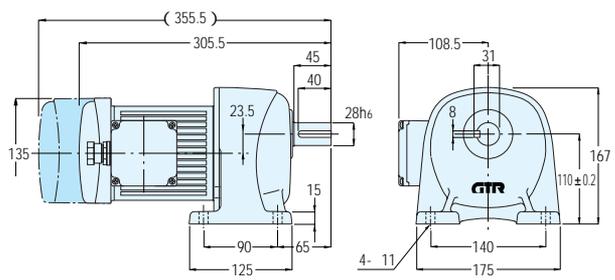
Flange Mount Type



Small Flange Mount Type

Fig.A-114

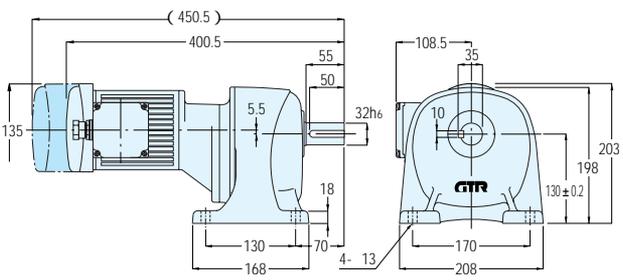
G3L_W -28-100 ~ 200-T020E
 CAD Data : G3L_W-28-T020E
(G3L_H -28-100 ~ 200-T020E)
 (CAD Data : G3L_H-28-T020E)



Round Weight 9.5kg(11kg)

Fig.A-115

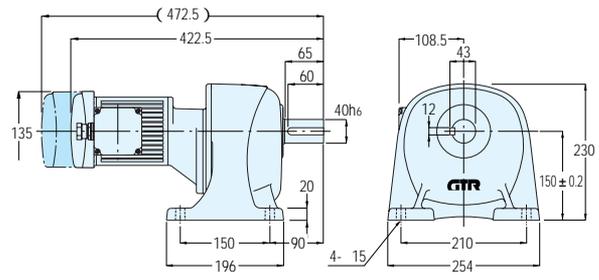
G3L_W -32-300 ~ 450-T020E
 CAD Data : G3L_W-32-T020E
(G3L_H -32-300 ~ 450-T020E)
 (CAD Data : G3L_H-32-T020E)



Round Weight 13.5kg(15kg)

Fig.A-116

G3L_W -40-600 ~ 1200-T020E
 CAD Data : G3L_W-40-T020E
(G3L_H -40-600 ~ 1200-T020E)
 (CAD Data : G3L_H-40-T020E)



Round Weight 20kg(21.5kg)

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Water-Resistant Gearmotor Water-Resistant Gearmotor with Brake

G3 Series 3-Phase 0.2kW

Flange Mount Type

The values in parentheses in the Dimension Diagram indicate the values of gearmotors with brake.

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Fig.A-117 **G3F_W^W-18-5 ~ 25-T020E**
 CAD Data: G3F_W^W-18-T020E
(G3F_H^W-18-5 ~ 25-T020E)
 (CAD Data: G3F_H^W-18-T020E)

Round Weight 7kg(8.5kg)

Fig.A-118 **G3F_W^W-22-30 ~ 100-T020E**
 CAD Data: G3F_W^W-22-T020E
(G3F_H^W-22-30 ~ 100-T020E)
 (CAD Data: G3F_H^W-22-T020E)

Round Weight 8kg(9.5kg)

Fig.A-119 **G3F_W^W-28-100 ~ 200-T020E**
 CAD Data: G3F_W^W-28-T020E
(G3F_H^W-28-100 ~ 200-T020E)
 (CAD Data: G3F_H^W-28-T020E)

Round Weight 10kg(11.5kg)

Fig.A-120 **G3F_W^W-32-300 ~ 450-T020E**
 CAD Data: G3F_W^W-32-T020E
(G3F_H^W-32-300 ~ 450-T020E)
 (CAD Data: G3F_H^W-32-T020E)

Round Weight 14kg(15.5kg)

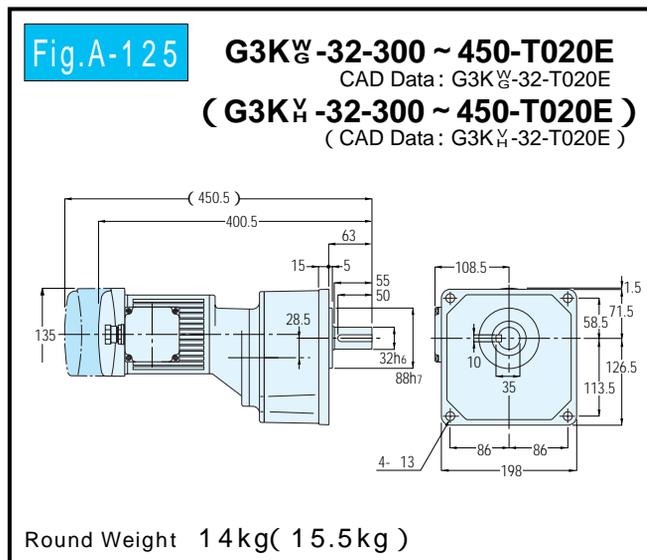
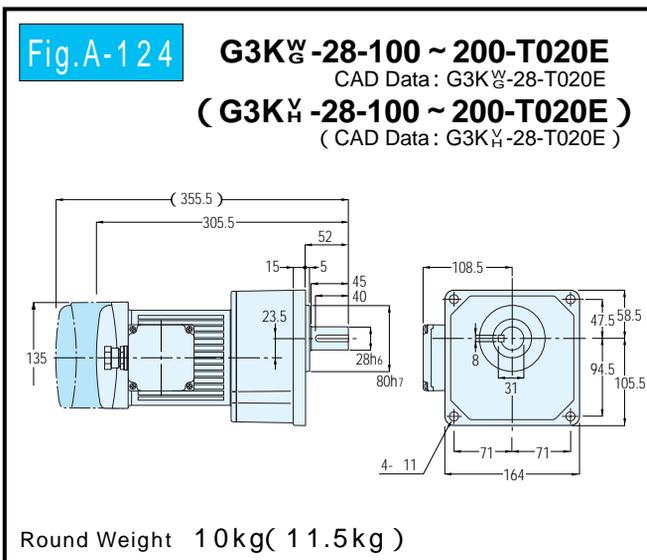
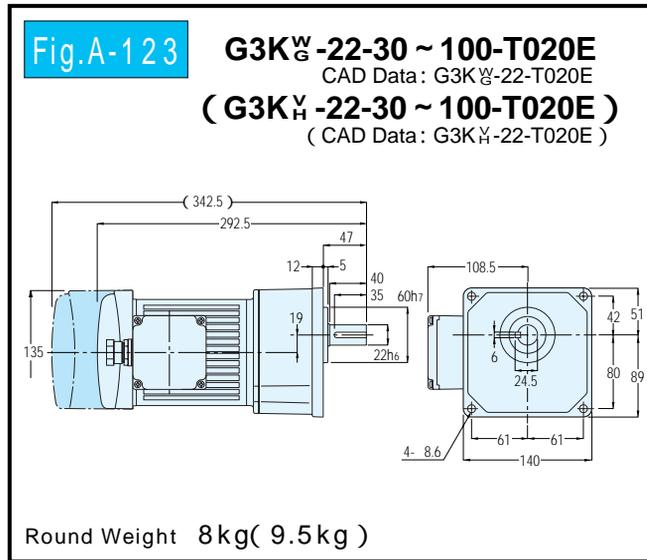
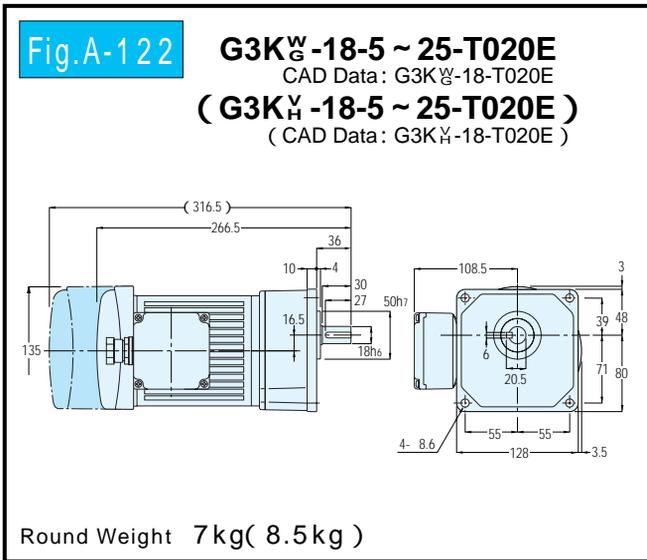
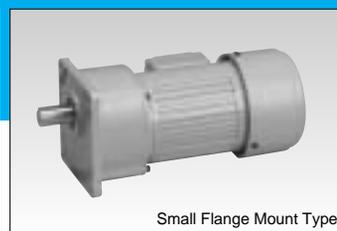
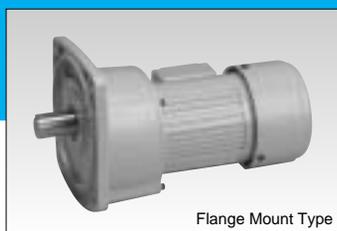
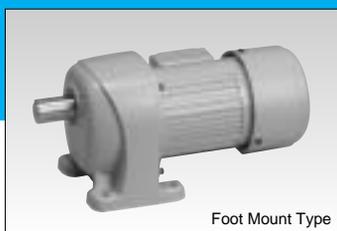
Fig.A-121 **G3F_W^W-40-600 ~ 1200-T020E**
 CAD Data: G3F_W^W-40-T020E
(G3F_H^W-40-600 ~ 1200-T020E)
 (CAD Data: G3F_H^W-40-T020E)

Round Weight 21.5kg(23kg)

Note) For the dimension of the key for the output shaft, refer to the detailed dimensions common to output shafts on page E52.

Model Code P.A52	Multipurpose Inverter P.E86 ~ E92	Option P.E78 ~ E92
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Small Flange Mount Type



Parallel Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reducer (Double Shaft)
S-Type Reducer
Right Angle Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reduce (Double Shaft)
S-Type Reducer
Hollow Shaft Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-Resistant, Outdoor Gearmotor with Brake
Reduce (Double Shaft)
S-Type Reducer
Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-Resistant, Outdoor Gearmotor with Brake
Reducer (Parallel Shaft)
S-Type Reducer
Technical Information
Standard Motors
Cautions for Safety
Option
GT-STEP Index Gearmotor
KOMPASS Gearbox

Water-Resistant Gearmotor Water-Resistant Gearmotor with Brake

G3 Series 3-Phase 0.4kW

The values in parentheses in the Performance Table/Dimension Diagram indicate the values of gearmotors with brake.

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.4kW	T040	50/60/60	200/200/220	2.1/1.8/1.8	1410/1690/1710	B	Totally Enclosed Fan-cooled

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight Gearmotor (Gearmotor with Brake)				
				50Hz	60Hz	N·m		kgf·m		N		kgf		G3L _W (G3L _Y)	G3F _W (G3F _Y)	G3K _W (G3K _Y)
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf					
3-phase 0.4kW	22	1/ 5	7/ 34	300	360	12	10	1.2	1	1140	116	P.A64 Fig.A-126 9.5kg (11kg)	P.A66 Fig.A-131 10kg (11.5kg)	P.A67 Fig.A-136 10kg (11.5kg)		
		1/ 10	7/ 68	150	180	25	21	2.5	2.1	1530	156					
		1/ 15	49/ 748	100	120	36	30	3.7	3.1	1780	181					
		1/ 20	7/ 136	75	90	48	40	4.9	4.1	1910	194					
		1/ 25	7/ 170	60	72	61	50	6.2	5.1	2050	209					
	28	1/ 30	1/ 30	50	60	73	61	7.4	6.2	3310	337	P.A64 Fig.A-127 11.5kg (13kg)	P.A66 Fig.A-132 12kg (13.5kg)	P.A67 Fig.A-137 12kg (13.5kg)		
		1/ 40	221/ 8610	37.5	45	94	78	9.6	8	3690	376					
		1/ 50	187/ 9030	30	36	117	98	11.9	10	4080	416					
		1/ 60	169/ 9840	25	30	140	117	14.3	11.9	4450	454					
		1/ 80	65/ 5166	18.8	22.5	187	156	19.1	15.9	4450	454					
	32	* 1/ 100	55/ 5418	15	18	193	161	19.7	16.4	4450	454	P.A65 Fig.A-128 14.5kg (16kg)	P.A66 Fig.A-133 15kg (16.5kg)	P.A67 Fig.A-138 15kg (16.5kg)		
		1/ 100	7/ 688	15	18	234	195	23.9	19.9	6370	650					
		1/ 120	77/ 9360	12.5	15	281	234	28.7	23.9	7640	779					
		1/ 160	21/ 3328	9.4	11.2	374	313	38.2	31.9	7640	779					
	40	1/ 300	7/ 2160	5	6	626	521	63.9	53.2	7060	720	P.A65 Fig.A-129 23kg (24.5kg)	P.A66 Fig.A-134 24.5kg (26kg)			
		1/ 375	77/29328	4	4.8	764	653	78	66.6	7060	720					
		* 1/ 450	49/21600	3.3	4	764	764	78	78	7060	720					
	50	1/ 600	57/35360	2.5	3	1225	1044	125	106.5	9800	1000	P.A65 Fig.A-130 52.5kg (54kg)	P.A66 Fig.A-135 57.5kg (59kg)			
		* 1/ 750	25/19448	2	2.4	1225	1225	125	125	9800	1000					
		* 1/ 900	5/ 4338	1.7	2	1225	1225	125	125	9800	1000					
* 1/1200		33/40664	1.3	1.5	1225	1225	125	125	9800	1000						

- Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A55 regarding rotation direction of output shaft.
 3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

Foot Mount Type

Fig.A-126 **G3L_W-22-5 ~ 25-T040E**
 CAD Data: G3L_W-22-T040E
(G3L_Y-22-5 ~ 25-T040E)
 (CAD Data: G3L_Y-22-T040E)

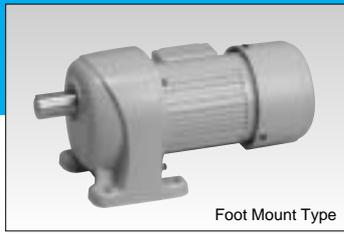
Round Weight 9.5kg(11 kg)

Fig.A-127 **G3L_W-28-30 ~ 100-T040E**
 CAD Data: G3L_W-28-T040E
(G3L_Y-28-30 ~ 100-T040E)
 (CAD Data: G3L_Y-28-T040E)

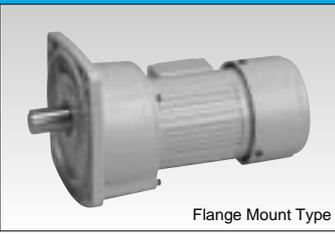
Round Weight 11.5kg(13 kg)

Note) For the dimension of the key for the output shaft, refer to the detailed dimensions common to output shafts on page E52.

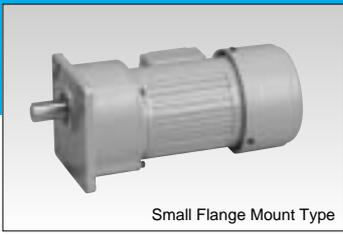
Model Code P.A52	Multipurpose Inverter P.E86 ~ E92	Option P.E78 ~ E92
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Foot Mount Type



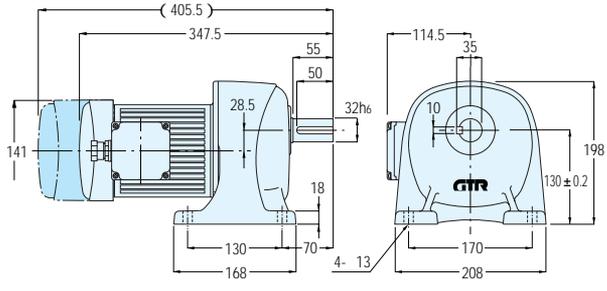
Flange Mount Type



Small Flange Mount Type

Fig.A-128

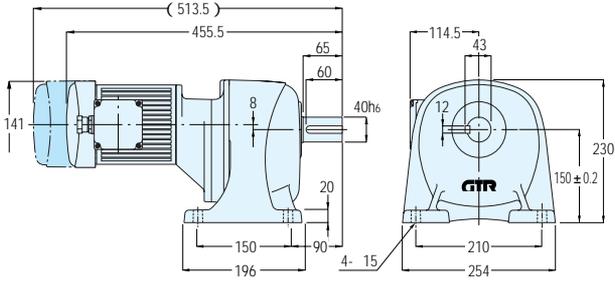
G3L_W -32-100 ~ 200-T040E
 CAD Data : G3L_W-32-T040E
(G3L_H -32-100 ~ 200-T040E)
 (CAD Data : G3L_H-32-T040E)



Round Weight 14.5kg(16kg)

Fig.A-129

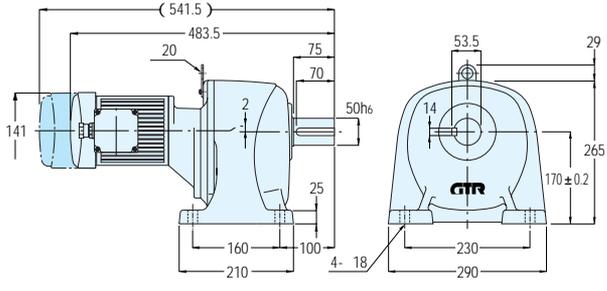
G3L_W -40-300 ~ 450-T040E
 CAD Data : G3L_W-40-T040E
(G3L_H -40-300 ~ 450-T040E)
 (CAD Data : G3L_H-40-T040E)



Round Weight 23kg(24.5kg)

Fig.A-130

G3L_W -50-600 ~ 1200-T040E
 CAD Data : G3L_W-50-T040E
(G3L_H -50-600 ~ 1200-T040E)
 (CAD Data : G3L_H-50-T040E)



Round Weight 52.5kg(54kg)

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

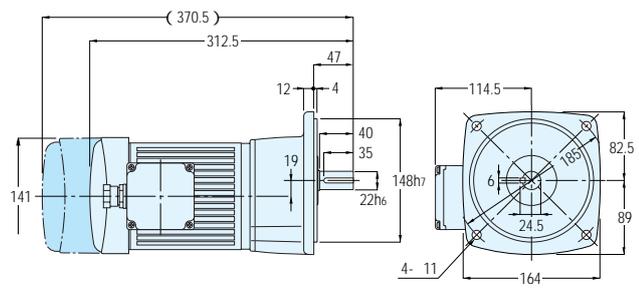
Water-Resistant Gearmotor Water-Resistant Gearmotor with Brake

G3 Series 3-Phase 0.4kW

Flange Mount Type

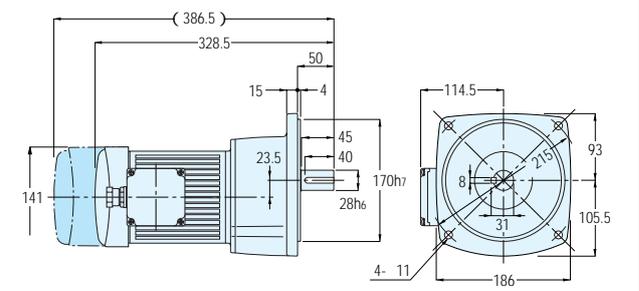
The values in parentheses in the Dimension Diagram indicate the values of gearmotors with brake.

Fig.A-131 **G3F_W-22-5 ~ 25-T040E**
CAD Data: G3F_W-22-T040E
(G3F_H-22-5 ~ 25-T040E)
(CAD Data: G3F_H-22-T040E)



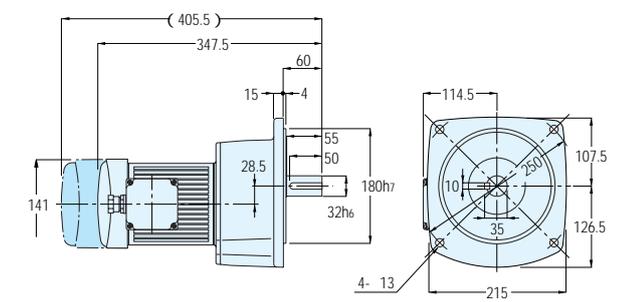
Round Weight 10 kg(11.5 kg)

Fig.A-132 **G3F_W-28-30 ~ 100-T040E**
CAD Data: G3F_W-28-T040E
(G3F_H-28-30 ~ 100-T040E)
(CAD Data: G3F_H-28-T040E)



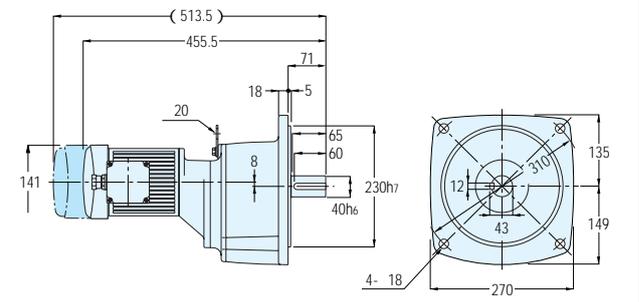
Round Weight 12 kg(13.5 kg)

Fig.A-133 **G3F_W-32-100 ~ 200-T040E**
CAD Data: G3F_W-32-T040E
(G3F_H-32-100 ~ 200-T040E)
(CAD Data: G3F_H-32-T040E)



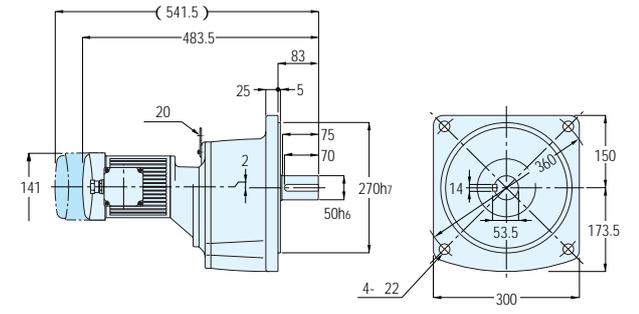
Round Weight 15 kg(16.5 kg)

Fig.A-134 **G3F_W-40-300 ~ 450-T040E**
CAD Data: G3F_W-40-T040E
(G3F_H-40-300 ~ 450-T040E)
(CAD Data: G3F_H-40-T040E)



Round Weight 24.5 kg(26 kg)

Fig.A-135 **G3F_W-50-600 ~ 1200-T040E**
CAD Data: G3F_W-50-T040E
(G3F_H-50-600 ~ 1200-T040E)
(CAD Data: G3F_H-50-T040E)



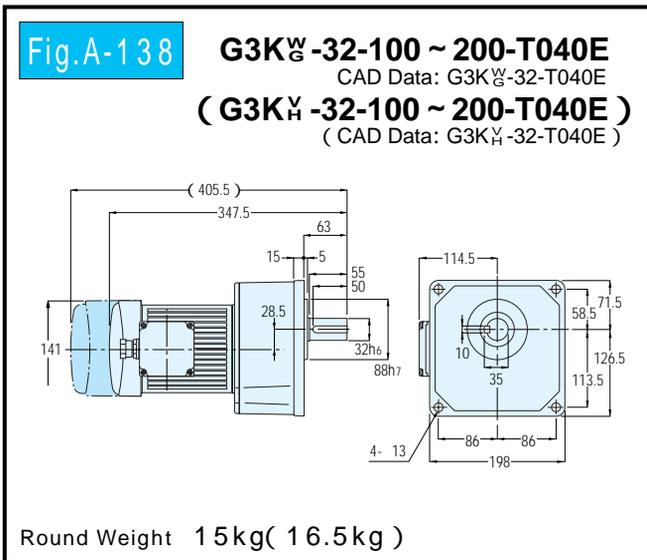
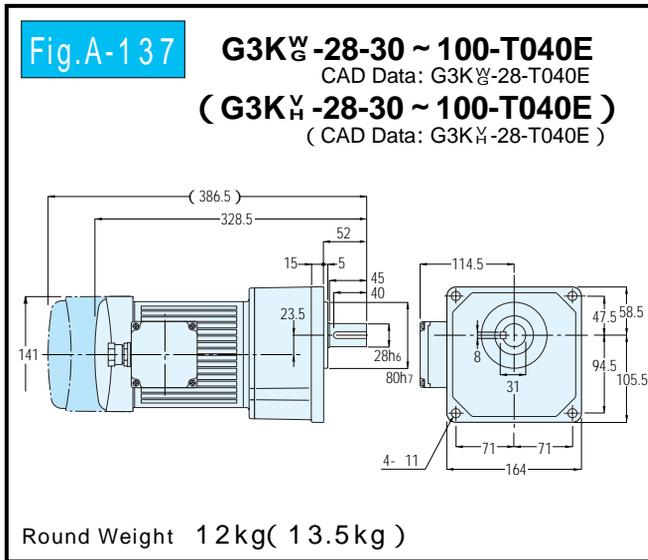
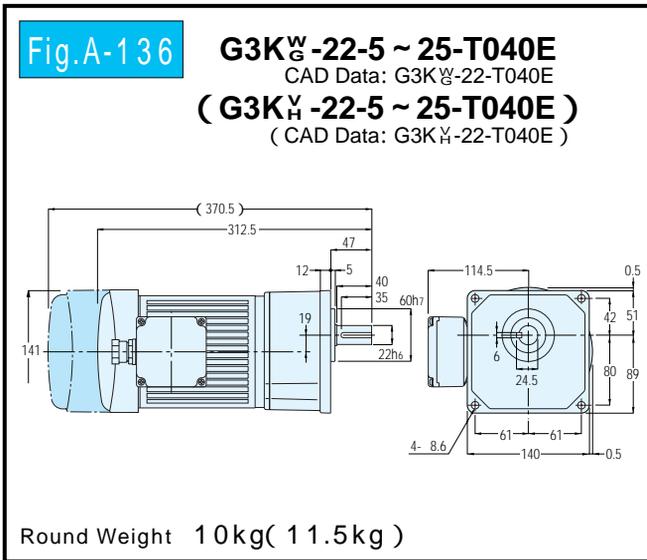
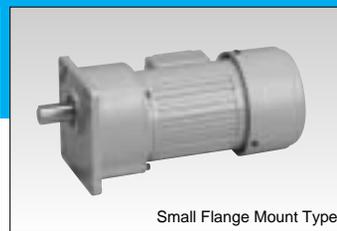
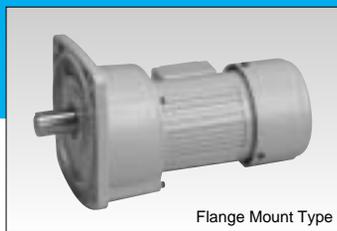
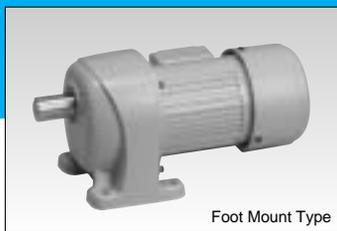
Round Weight 57.5 kg(59 kg)

Note) For the dimension of the key for the output shaft, refer to the detailed dimensions common to output shafts on page E52.

Model Code P.A52	Multipurpose Inverter P.E86 ~ E92	Option P.E78 ~ E92
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- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Small Flange Mount Type



Parallel Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reducer (Double Shaft)
S-Type Reducer
Right Angle Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch /Brake
Reduce (Double Shaft)
S-Type Reducer
Hollow Shaft Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Reduce (Double Shaft)
S-Type Reducer
Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Reducer (Parallel Shaft)
S-Type Reducer
Technical Information
Standard Motors
Cautions for Safety
Option
GT-STEP Index Gearmotor
KOMPASS Gearbox

Water-Resistant Gearmotor Water-Resistant Gearmotor with Brake

G3 Series 3-Phase 0.75kW

The values in parentheses in the Performance Table/Dimension Diagram indicate the values of gearmotors with brake.

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.75kW	075	50/60/60	200/200/220	3.7/3.3/3.2	1430/1720/1730	B	Totally Enclosed Fan-cooled

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight Gearmotor(Gearmotor with Brake)			
				50Hz	60Hz	N·m		kgf·m		N		kgf	G3L $\frac{W}{Y}$ (G3L $\frac{X}{Z}$)	G3F $\frac{W}{Y}$ (G3F $\frac{X}{Z}$)	G3K $\frac{W}{Y}$ (G3K $\frac{X}{Z}$)
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf				
3-phase 0.75kW	28	1/ 5	91/ 459	300	360	23	19	2.3	1.9	1650	168	P.A68 Fig.A-139 15kg (17.5kg)	P.A69 Fig.A-143 15.5kg (18kg)	P.A70 Fig.A-147 15.5kg (18kg)	
		1/ 10	1/ 10	150	180	45	38	4.6	3.9	2280	232				
		1/ 15	91/ 1360	100	120	68	57	6.9	5.8	2800	285				
		1/ 20	5/ 102	75	90	91	75	9.3	7.7	3050	311				
	32	1/ 25	7/ 170	60	72	114	94	11.6	9.6	3180	324	P.A68 Fig.A-140 18.5kg (21kg)	P.A69 Fig.A-144 19kg (21.5kg)	P.A70 Fig.A-148 19kg (21.5kg)	
		1/ 30	3/ 92	50	60	136	114	13.9	11.6	5220	532				
		1/ 40	13/ 516	37.5	45	175	146	17.9	14.9	5470	558				
		1/ 50	11/ 540	30	36	220	183	22.4	18.7	5780	589				
		1/ 60	13/ 774	25	30	264	220	26.9	22.4	6080	620				
		* 1/ 100	11/ 1080	15	18	362	302	36.9	30.8	6770	690				
	40	1/ 100	91/ 9000	15	18	439	366	44.8	37.3	9170	935	P.A69 Fig.A-141 25kg (27.5kg)	P.A69 Fig.A-145 26.5kg (29kg)		
		1/ 120	77/ 9400	12.5	15	527	439	53.8	44.8	9170	935				
		1/ 160	9/ 1400	9.4	11.2	703	585	71.7	59.7	9170	935				
		1/ 200	9/ 1750	7.5	9	764	732	78	74.7	9170	935				
	50	1/ 300	211/62013	5	6	1176	978	120	99.8	9800	1000	P.A69 Fig.A-142 56.5kg (59kg)	P.A69 Fig.A-146 61.5kg (64kg)		
		1/ 375	94/36103	4	4.8	1225	1225	125	125	9800	1000				
* 1/ 450		65/29167	3.3	4	1225	1225	125	125	9800	1000					

- Note 1**) The allowable O.H.L indicated are the values in the central position of the output shaft.
2) Please be sure to read cautions stated on page A55 regarding rotation direction of output shaft.
3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

Foot Mount Type

Fig.A-139 **G3L $\frac{W}{Y}$ -28-5 ~ 25-075E**
 CAD Data: G3L $\frac{W}{Y}$ -28-075E
(G3L $\frac{X}{Z}$ -28-5 ~ 25-075E)
 (CAD Data: G3L $\frac{X}{Z}$ -28-075E)

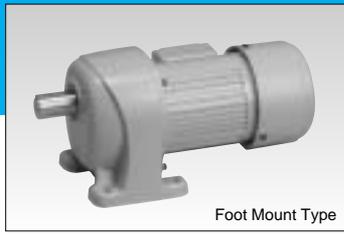
Round Weight 15kg (17.5kg)

Fig.A-140 **G3L $\frac{W}{Y}$ -32-30 ~ 100-075E**
 CAD Data: G3L $\frac{W}{Y}$ -32-075E
(G3L $\frac{X}{Z}$ -32-30 ~ 100-075E)
 (CAD Data: G3L $\frac{X}{Z}$ -32-075E)

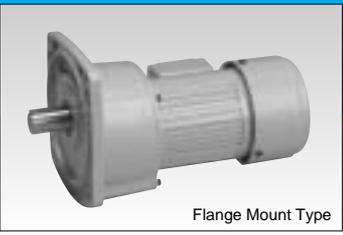
Round Weight 18.5kg (21kg)

Note) For the dimension of the key for the output shaft, refer to the detailed dimensions common to output shafts on page E52.

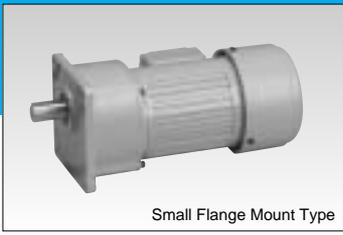
Model Code P.A52	Multipurpose Inverter P.E86 ~ E92	Option P.E78 ~ E92
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Foot Mount Type

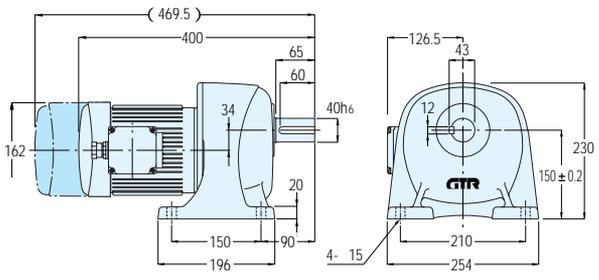


Flange Mount Type



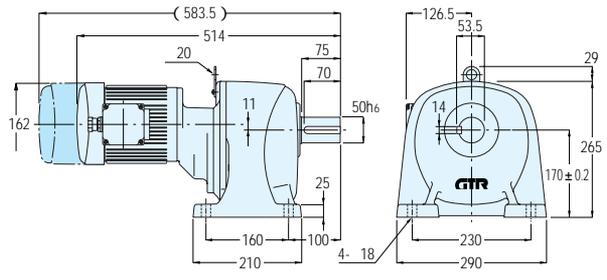
Small Flange Mount Type

Fig.A-141 **G3L_gW-40-100 ~ 200-075E**
 CAD Data: G3L_gW-40-075E
(G3L_hW-40-100 ~ 200-075E)
 (CAD Data: G3L_hW-40-075E)



Round Weight 25kg(27.5kg)

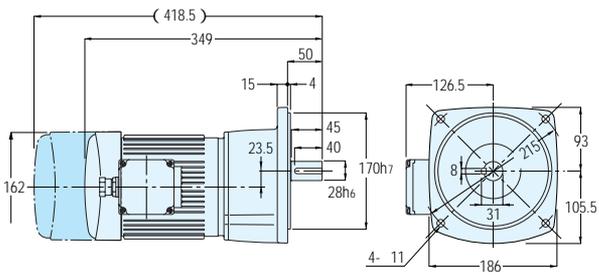
Fig.A-142 **G3L_gW-50-300 ~ 450-075E**
 CAD Data: G3L_gW-50-075E
(G3L_hW-50-300 ~ 450-075E)
 (CAD Data: G3L_hW-50-075E)



Round Weight 56.5kg(59kg)

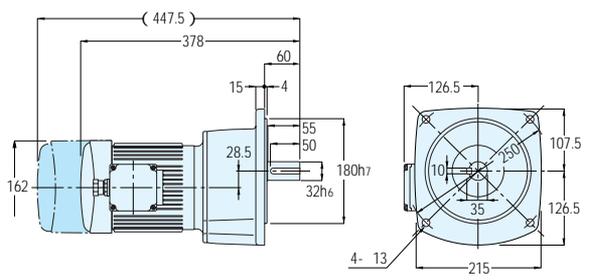
Flange Mount Type

Fig.A-143 **G3F_gW-28-5 ~ 25-075E**
 CAD Data: G3F_gW-28-075E
(G3F_hW-28-5 ~ 25-075E)
 (CAD Data: G3F_hW-28-075E)



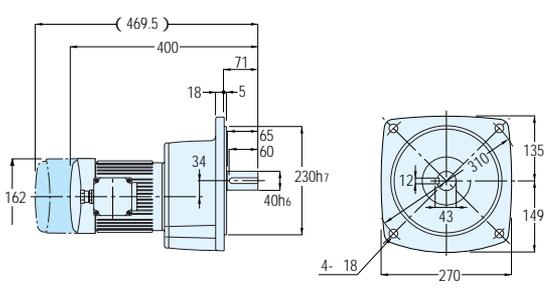
Round Weight 15.5kg(18kg)

Fig.A-144 **G3F_gW-32-30 ~ 100-075E**
 CAD Data: G3F_gW-32-075E
(G3F_hW-32-30 ~ 100-075E)
 (CAD Data: G3F_hW-32-075E)



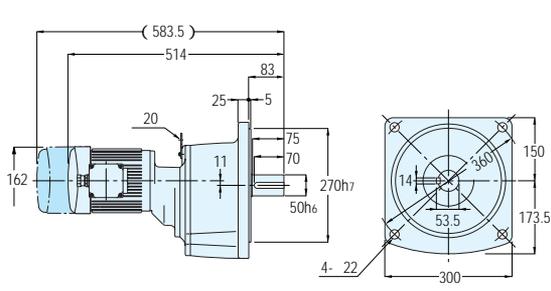
Round Weight 19kg(21.5kg)

Fig.A-145 **G3F_gW-40-100 ~ 200-075E**
 CAD Data: G3F_gW-40-075E
(G3F_hW-40-100 ~ 200-075E)
 (CAD Data: G3F_hW-40-075E)



Round Weight 26.5kg(29kg)

Fig.A-146 **G3F_gW-50-300 ~ 450-075E**
 CAD Data: G3F_gW-50-075E
(G3F_hW-50-300 ~ 450-075E)
 (CAD Data: G3F_hW-50-075E)



Round Weight 61.5kg(64kg)

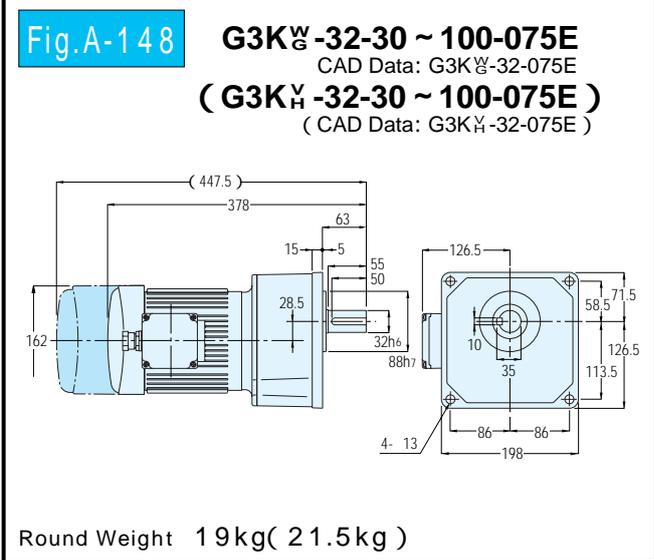
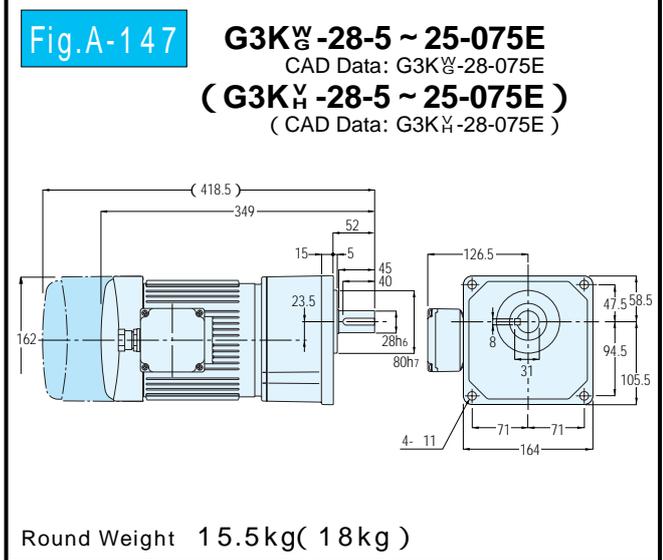
- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Water-Resistant Gearmotor Water-Resistant Gearmotor with Brake

G3 Series 3-Phase 0.75kW

Small Flange Mount Type

The values in parentheses in the Dimension Diagram indicate the values of gearmotors with brake.



- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Note) For the dimension of the key for the output shaft, refer to the detailed dimensions common to output shafts on page E52.

Model Code P.A52	Multipurpose Inverter P.E86 ~ E92	Option P.E78 ~ E92
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Water-Resistant Gearmotor

G3 Series 3-Phase 1.5kW

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	1.5kW	150	50/60/60	200/200/220	6.6/6.1/5.8	1430/1720/1730	B	Totally Enclosed Fan-cooled

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight		
				50Hz	60Hz	N·m		kgf·m		N	kgf	Gearmotor		
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	G3L \forall	G3F \forall	G3K \forall		
3-phase 1.5kW	32	1/ 5	1/ 5	300	360	45	38	4.6	3.9	2280	232	P.A72 Fig.A-149 24.5kg	P.A73 Fig.A-152 25kg	P.A74 Fig.A-155 25kg
		1/ 10	1/ 10	150	180	91	75	9.3	7.7	3180	324			
		1/ 15	1/ 15	100	120	136	114	13.9	11.6	3690	376			
		1/ 20	1/ 20	75	90	181	151	18.5	15.4	4190	427			
	40	1/ 25	9/ 230	60	72	226	189	23.1	19.3	4410	450	P.A72 Fig.A-150 31.5kg	P.A73 Fig.A-153 33kg	
		1/ 30	1/ 30	50	60	272	226	27.8	23.1	6600	673			
		1/ 40	13/ 540	37.5	45	351	293	35.8	29.9	6960	710			
		1/ 50	11/ 564	30	36	439	366	44.8	37.3	6960	710			
		1/ 60	91/5400	25	30	527	439	53.8	44.8	7210	735			
	50	1/ 80	13/1080	18.8	22.5	703	585	71.7	59.7	7400	755	P.A72 Fig.A-151 61kg	P.A73 Fig.A-154 66kg	
		* 1/ 100	11/1128	15	18	724	603	73.9	61.5	7400	755			
		1/ 100	25/2618	15	18	878	732	89.6	74.7	12500	1275			
1/ 120		77/8993	12.5	15	1060	878	108	89.6	12500	1275				
		1/ 160	33/5474	9.4	11.2	1230	1170	125	119	12500	1275			
		* 1/ 200	30/5831	7.5	9	1230	1230	125	125	12500	1275			

- Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A55 regarding rotation direction of output shaft.
 3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

Foot Mount Type

Fig.A-149 **G3L \forall -32-5 ~ 25-150E**
CAD Data: G3L \forall -32-150E

Round Weight 24.5 kg

Fig.A-150 **G3L \forall -40-30 ~ 100-150E**
CAD Data: G3L \forall -40-150E

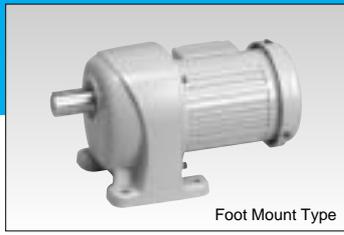
Round Weight 31.5 kg

Fig.A-151 **G3L \forall -50-100 ~ 200-150E**
CAD Data: G3L \forall -50-150E

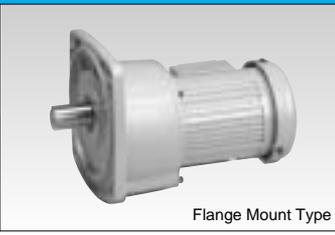
Round Weight 61 kg

Note) For the dimension of the key for the output shaft, refer to the detailed dimensions common to output shafts on page E52.

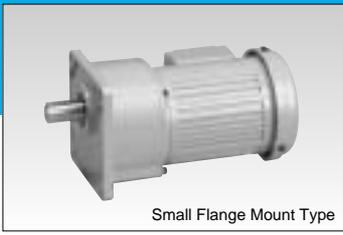
Model Code P.A52	Multipurpose Inverter P.E86 ~ E92	Option P.E78 ~ E92
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Foot Mount Type



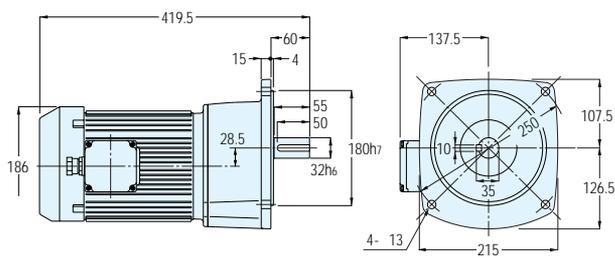
Flange Mount Type



Small Flange Mount Type

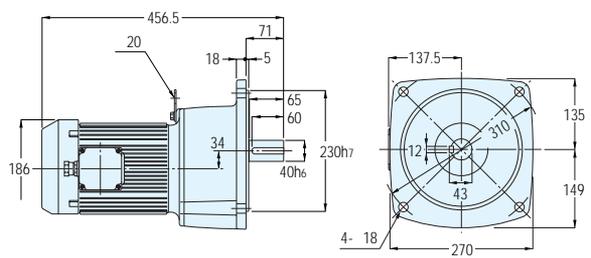
Flange Mount Type

Fig.A-152 **G3F_W-32-5 ~ 25-150E**
CAD Data: G3F_W-32-150E



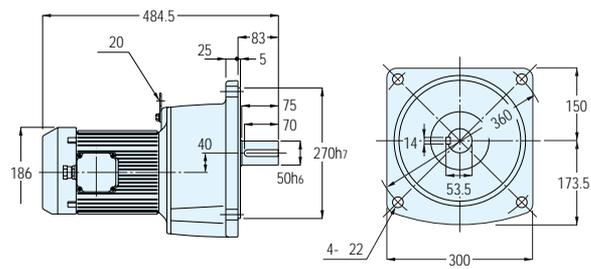
Round Weight 25 kg

Fig.A-153 **G3F_W-40-30 ~ 100-150E**
CAD Data: G3F_W-40-150E



Round Weight 33 kg

Fig.A-154 **G3F_W-50-100 ~ 200-150E**
CAD Data: G3F_W-50-150E



Round Weight 66 kg

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

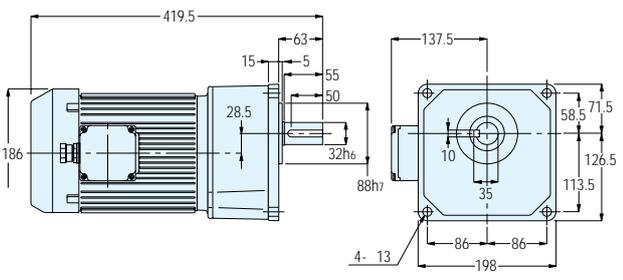
Water-Resistant Gearmotor

G3 Series 3-Phase 1.5kW

Small Flange Mount Type

Fig.A-155

G3K_W-32-5 ~ 25-150E
CAD Data: G3K_W-32-150E



Round Weight 25 kg

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Note) For the dimension of the key for the output shaft, refer to the detailed dimensions common to output shafts on page E52.

Model Code P.A52	Multipurpose Inverter P.E86 ~ E92	Option P.E78 ~ E92
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Water-Resistant Gearmotor

G3 Series 3-Phase 2.2kW

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	2.2kW	220	50/60/60	200/200/220	9.0/8.6/8.0	1410/1690/1710	B	Totally Enclosed Fan-cooled

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight			
				Gearmotor		N·m		kgf·m		N		kgf		G3L _W	G3F _W
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf				
3-phase 2.2kW	40	1/ 5	7/ 36	300	360	67	56	6.8	5.7	2800	285	P.A76 Fig.A-156 34.5kg	P.A77 Fig.A-158 36kg		
		1/ 10	7/ 72	150	180	133	111	13.6	11.3	4080	416				
		1/ 15	49/ 720	100	120	200	167	20.4	17	4580	467				
		1/ 20	7/ 144	75	90	266	221	27.1	22.6	5220	532				
		1/ 25	7/ 180	60	72	332	277	33.9	28.3	6110	623				
	50	1/ 30	5/ 154	50	60	399	332	40.7	33.9	9040	922	P.A76 Fig.A-157 64.5kg	P.A77 Fig.A-159 69.5kg		
		1/ 40	399/15488	37.5	45	515	429	52.6	43.8	9420	961				
		1/ 50	399/20240	30	36	644	537	65.7	54.8	10000	1020				
		1/ 60	49/ 2904	25	30	773	644	78.9	65.7	10000	1020				
		1/ 80	49/ 3795	18.8	22.5	1029	858	105	87.6	10100	1030				
		1/ 100	21/ 2116	15	18	1230	1080	125	110	10100	1030				

Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.

2) Please be sure to read cautions stated on page A55 regarding rotation direction of output shaft.

Foot Mount Type

Fig.A-156 **G3L_W-40-5 ~ 25-220E**
CAD Data: G3L_W-40-220E

Round Weight 34.5kg

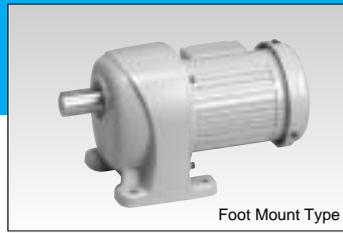
Fig.A-157 **G3L_W-50-30 ~ 100-220E**
CAD Data: G3L_W-50-220E

Round Weight 64.5kg

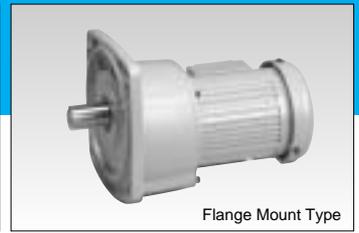
Note) For the dimension of the key for the output shaft, refer to the detailed dimensions common to output shafts on page E52.

Model Code P.A52	Multipurpose Inverter P.E86 ~ E92	Option P.E78 ~ E92
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Flange Mount Type



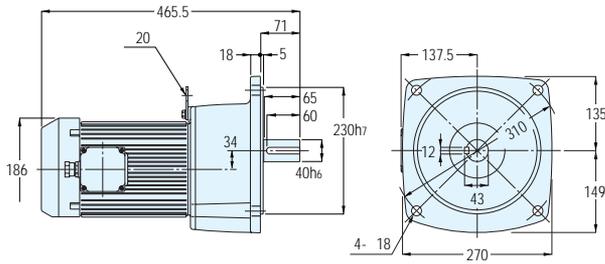
Foot Mount Type



Flange Mount Type

Fig.A-158

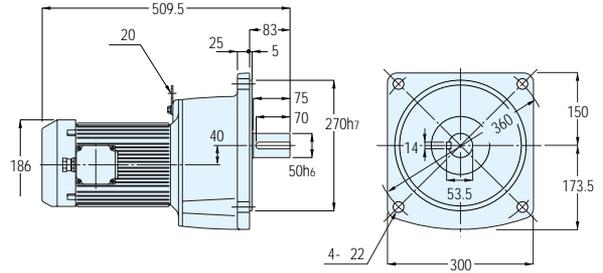
G3F^W-40-5 ~ 25-220E
CAD Data: G3F^W-40-220E



Round Weight 36 kg

Fig.A-159

G3F^W-50-30 ~ 100-220E
CAD Data: G3F^W-50-220E



Round Weight 69.5 kg

Parallel Shaft
(Performance Table/Dimension)

Gearmotor with Brake

Water-resistant, Outdoor Gearmotor with Brake

Gearmotor with Clutch/Brake

Reducer (Double Shaft)

S-Type Reducer

Right Angle Shaft
(Performance Table/Dimension)

Gearmotor with Brake

Water-resistant, Outdoor Gearmotor with Brake

Gearmotor with Clutch /Brake

Reduce (Double Shaft)

S-Type Reducer

Hollow Shaft
Solid Shaft
Performance Table/Dimension

Gearmotor with Brake

Water-Resistant, Outdoor Gearmotor with Brake

Reduce (Double Shaft)

S-Type Reducer

Concentric Hollow Shaft
Concentric Solid Shaft
Performance Table/Dimension

Gearmotor with Brake

Water-Resistant, Outdoor Gearmotor with Brake

Reducer (Parallel Shaft)

S-Type Reducer

Technical Information

Standard Motors

Cautions for Safety

Option

GT-STEP Index Gearmotor

KOMPASS Gearbox



Parallel Shaft

Gearmotor with Clutch and Brake

(Standard Type/Heavy Duty Type)

Model • Type Designation Standard Model Lineup

G3
Series

Standard Specifications G3 Series (With clutch and Brake)

Motor Part	Number of phase	3-Phase
	Capacity	0.1kW ~ 0.75kW(Heavy Duty 0.2kW ~ 0.75kW)
	Power Source	3 Rated Power Source 200V 50/60Hz, 220V/60Hz
	Insulation Classification	Class B
	Starting Method	Direct start
	Protective cooling Method	Totally Enclosed Fan-cooled(Totally Enclosed non-Lentilated for 0.1kW)
	Number of Pole	4
	Rating	Continuous Rating
Speed Reduction Part	Reduction Method	Helical gear
	Lubrication	Grease Lubrication(Maintenance Free)
	Output Shaft	New JIS Key(JIS 1301-1996 Standard)
	Output Shaft Material	S43C
	Case Material	Aluminium die-cast
Ambient Conditions	Ambient Temperature	- 10 ~ 40
	Ambient Humidity	85%max.(without any dew condensation)
	Altitude	1,000m max.
	Environment	Well ventilated place free from corrosive gas, explosive gas vapor and/or dust.
	Installation Location	Indoors
Painting	Painting Method	Anion painting, Acrylic paint
	Painting Color	Grey(Mansel code: 9B6/0.5)
Mounting Direction	No restriction in the mounting angle.(horizontally, vertically or heeling angle)	

Model and Type Designation G3 Series(Parallel Shaft)

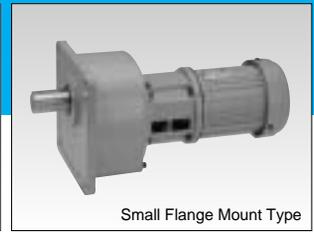
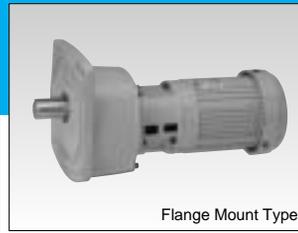
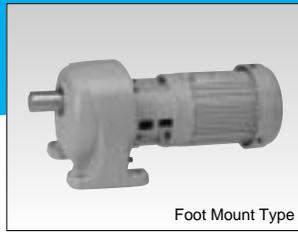
G3 series gearmotors with Clutch and Brake are classified by codes as shown below. Specify these codes in your inquiry and order.

Type	Frame Number	Reduction Ratio	Motor Capacity	Option	Auxiliary Mark	Spec. Designation
G3 L E	28	50	T040	A		
G3 F E	40	200	075	W	X	

Series Name	G3 : G3 Series (Parallel Shaft)
Classification by Mount Form	L : Foot Mount
	F : Flange Mount
	K : Small Flange Mount (Frame No.18 ~ 32)
Classification by Motor Type	E : With Clutch/Brake
Frame Number and Diameter of Output Shaft: Diameter of Output Shaft	Output Shaft Diameter
Reduction Ratio	5:1 / 5 ~ 200:1 / 200
Motor Type and Capacity	T010 : 3-phase 0.1 kW
	T020 : 3-phase 0.2 kW
	T040 : 3-phase 0.4 kW
	075 : 3-phase 0.75kW
Option <small>Note 1: When terminal box is required, please indicate "A" at the end of motor capacity. For 0.1kW and 0.2kW type. For 0.4kW type, with "A" box is the standard, so please indicate "A" at the end of motor capacity. (For example, G3LE-22-10-T040A, A is required) 0.75kW type automatically leads to come with terminal box, so there is not "A" for 0.75kW as option.</small>	Blank : 3-phase : 200V / 50Hz, 200V / 60Hz, 220V / 60Hz 0.1kW ~ 0.2kW Without Terminal Box <small>(note 1)</small> 0.4kW ~ 0.75kW With Terminal Box
	W : 3-phase : 380V / 50Hz, 400V / 50Hz, 400V / 60Hz, 440V / 60Hz 0.1kW ~ 0.2kW Without Terminal Box <small>(note 1)</small> 0.4kW ~ 0.75kW With Terminal Box
	A : Terminal Box(For 0.1kW and 0.2kW)
Auxiliary Mark	Blank : Standard Specifications
	X : Mark for Additional Specs.
Specification Code <small>Note: Spec. Designation does not appear on the product type designation in the nameplate. It is specified on the additional numbers in the nameplate.</small>	Blank : Standard Specifications

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Standard Model Lineup



Type	4P Motor Capacity	Frame Number	Reduction Ratio									
Standard Type GT-PACK Gearmotor with Clutch and Brake G3LE・G3FE G3KE	3-Phase 0.1kW	18	1/5	1/10	1/15	1/20	1/25	1/30	1/40	1/50		
		22	1/60	1/80	1/100	1/120	1/160	1/200				
	3-Phase 0.2kW	18	1/5	1/10	1/15	1/20	1/25					
		22	1/30	1/40	1/50	1/60	1/80	1/100				
		28	1/100	1/120	1/160	1/200						
	3-Phase 0.4kW	22	1/5	1/10	1/15	1/20	1/25					
		28	1/30	1/40	1/50	1/60	1/80	1/100				
		32	1/100	1/120	1/160	1/200						
	3-Phase 0.75kW	28	1/5	1/10	1/15	1/20	1/25					
		32	1/30	1/40	1/50	1/60	1/80	1/100				
		40	1/100	1/120	1/160	1/200						
	Heavy Duty Type GT-PACK Gearmotor with Clutch and Brake G3LE・G3FE G3KE	3-Phase 0.2kW	22	1/5	1/10	1/15	1/20	1/25				
28			1/30	1/40	1/50	1/60	1/80					
32			1/100	1/120	1/160	1/200						
3-Phase 0.4kW		28	1/5	1/10	1/15	1/20	1/25					
		32	1/30	1/40	1/50	1/60	1/80					
		40	1/100	1/120	1/160	1/200						
3-Phase 0.75kW		32	1/5	1/10	1/15	1/20	1/25					
		40	1/30	1/40	1/50	1/60	1/80					
		50	1/100	1/120	1/160	1/200						

- Note 1) In the G3 Series, 3 kinds are available, namely Foot Mount, Flange Mount and Small Flange Mount. Please note that the Small Flange Mount is available only for the frame No.18 ~ 32.
- 2) 1/100 The models enclosed with orange color bold line are low torque type. Special care should be given to the allowable torque in the performance table.

- Parallel Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox



Parallel Shaft

Gearmotor with Clutch and Brake (Standard Type)

Performance Table Dimension diagram

G3

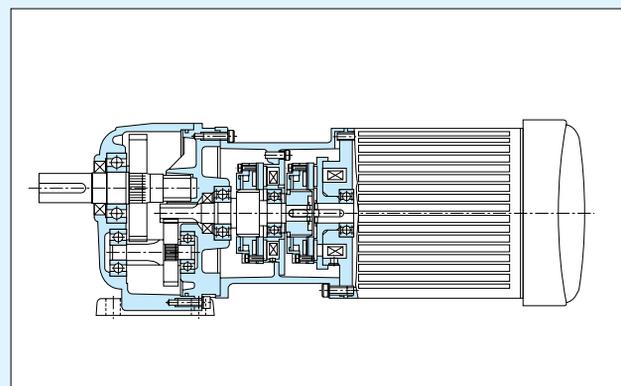
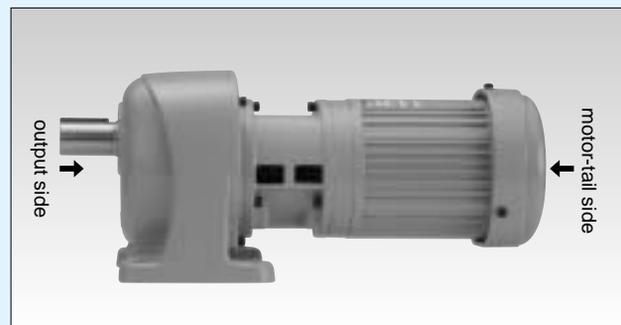
Series

3-Phase

【Remarks】

The output rotation speed is the value corresponds to the motor synchronous speed and the nominal reduction ratio.

The Shaded areas  in the performance table shows that in case gearmotors are wired according to the diagram shown on [page E41](#), the shaft rotates clock wise when viewing from output side. (Refer to the diagram shown below.)



Gearmotor with Clutch and Brake

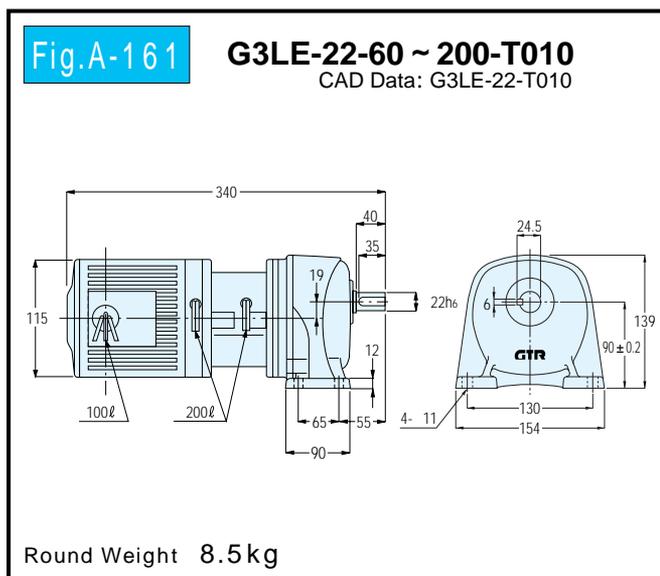
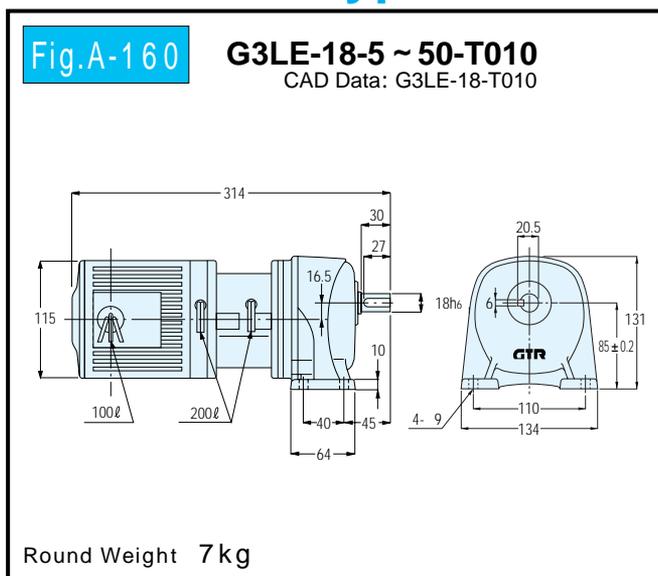
G3 Series 3-Phase 0.1 kW Standard Type

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.1kW	T010	50/60/60	200/200/220	0.61/0.54/0.54	1420/1700/1720	B	Totally Enclosed

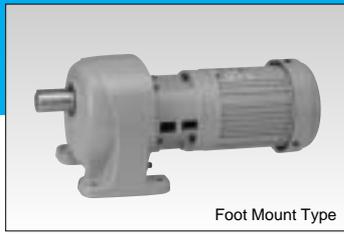
Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight		
				50Hz	60Hz	N·m		kgf·m		N	kgf	3-Phase		
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf	G3LE	G3FE	G3KE
3-phase 0.1kW	18	1/ 5	33/ 164	300	360	3	2.5	0.31	0.26	770	78	P.A84 Fig.A-160 7kg	P.A85 Fig.A-162 7.5kg	P.A85 Fig.A-164 7.5kg
		1/ 10	77/ 779	150	180	6.1	5	0.62	0.51	1140	116			
		1/ 15	119/ 1804	100	120	9.1	7.5	0.93	0.77	1270	129			
		1/ 20	49/ 984	75	90	12	9.8	1.2	1	1530	156			
		1/ 25	28/ 697	60	72	15	12.7	1.5	1.3	1650	168			
		1/ 30	35/ 1066	50	60	19	14.7	1.9	1.5	1780	181			
		1/ 40	35/ 1404	37.5	45	24	19.6	2.4	2	1910	194			
	22	1/ 50	7/ 351	30	36	29	24.5	3	2.5	2040	208	P.A84 Fig.A-161 8.5kg	P.A85 Fig.A-163 9kg	P.A85 Fig.A-165 9kg
		1/ 60	11/ 684	25	30	35	29.4	3.6	3	2800	285			
		1/ 80	21/ 1634	18.8	22.5	47	39.2	4.8	4	3180	324			
		1/ 100	7/ 684	15	18	59	49	6	5	3180	324			
		1/ 120	147/17974	12.5	15	71	58.8	7.2	6	3180	324			
		1/ 160	21/ 3268	9.4	11.2	94	78.4	9.6	8	3180	324			
		1/ 200	21/ 4085	7.5	9	117	98	11.9	10	3180	324			

Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A83 regarding rotation direction of output shaft.

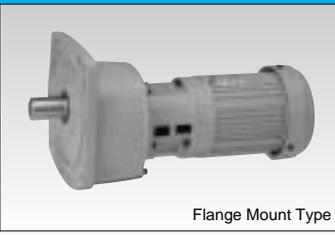
Foot Mount Type



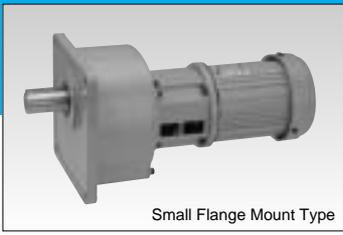
Model Code P.A80 Option P.E78 ~ E79



Foot Mount Type



Flange Mount Type



Small Flange Mount Type

Flange Mount Type

Fig.A-162 G3FE-18-5 ~ 50-T010
CAD Data: G3FE-18-T010

Round Weight 7.5kg

Fig.A-163 G3FE-22-60 ~ 200-T010
CAD Data: G3FE-22-T010

Round Weight 9kg

Small Flange Mount Type

Fig.A-164 G3KE-18-5 ~ 50-T010
CAD Data: G3KE-18-T010

Round Weight 7.5kg

Fig.A-165 G3KE-22-60 ~ 200-T010
CAD Data: G3KE-22-T010

Round Weight 9kg

- Parallel Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer
- Right Angle Shaft (Performance Table/Dimension)
- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch /Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Hollow Shaft Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer
- Technical Information
- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox

Gearmotor with Clutch and Brake

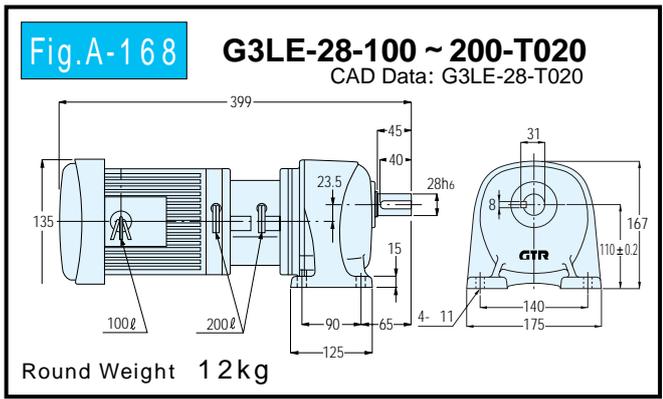
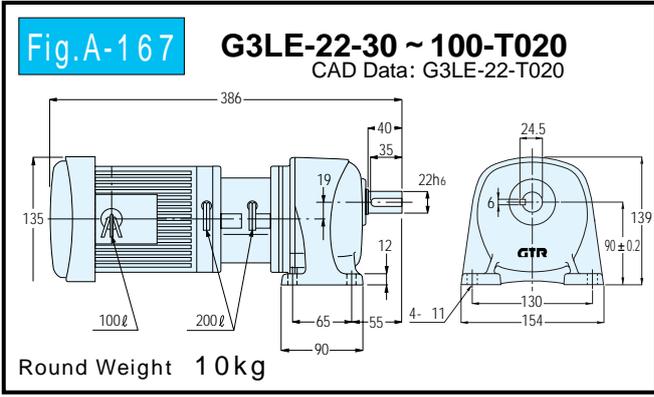
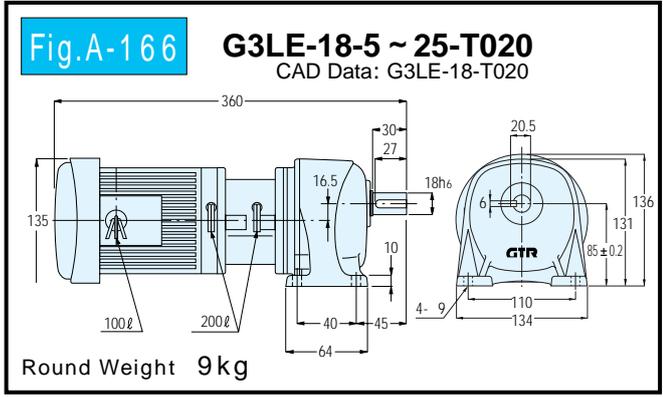
G3 Series 3-Phase 0.2kW Standard Type

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.2kW	T020	50/60/60	200/200/220	1.1/1.0/1.0	1420/1710/1720	B	Totally Enclosed fan-cooled

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L		Page, Diagram No. of the Outer Dimension Diagram, Round Weight				
				50Hz	60Hz	N·m		kgf·m		N		kgf		3-Phase		
						50Hz	60Hz	50Hz	60Hz	N	kgf	G3LE	G3FE	G3KE		
3-phase 0.2kW	18	1/ 5	33/ 164	300	360	6.1	5	0.62	0.51	770	78	P.A86 Fig.A-166 9kg	P.A87 Fig.A-169 9.5kg	P.A87 Fig.A-172 9.5kg		
		1/ 10	77/ 779	150	180	11.8	9.8	1.2	1	1140	116					
		1/ 15	119/ 1804	100	120	18.6	14.7	1.9	1.5	1270	129					
		1/ 20	49/ 984	75	90	24.5	20.6	2.5	2.1	1450	147					
	22	1/ 25	28/ 697	60	72	30.4	25.5	3.1	2.6	1550	158	P.A86 Fig.A-167 10kg	P.A87 Fig.A-170 10.5kg	P.A87 Fig.A-173 10.5kg		
		1/ 30	7/ 216	50	60	36.3	30.4	3.7	3.1	2280	232					
		1/ 40	91/ 3600	37.5	45	47	39.2	4.8	4	2410	245					
		1/ 50	11/ 540	30	36	58.8	49	6	5	2540	259					
	28	1/ 60	637/39600	25	30	70.6	58.8	7.2	6	2800	285	P.A86 Fig.A-168 12kg	P.A87 Fig.A-171 12.5kg	P.A87 Fig.A-174 12.5kg		
		1/ 80	91/ 7200	18.8	22.5	94.1	78.4	9.6	8	3000	306					
		*1/ 100	11/ 1080	15	18	97	80.4	9.9	8.2	3180	324					
		1/ 100	13/ 1353	15	18	117	98	11.9	10	3690	376					
28	1/ 120	91/11000	12.5	15	140	117	14.3	11.9	4320	440	P.A86 Fig.A-168 12kg	P.A87 Fig.A-171 12.5kg	P.A87 Fig.A-174 12.5kg			
	1/ 160	1/ 165	9.4	11.2	187	156	19.1	15.9	4450	454						
	1/ 200	7/ 1375	7.5	9	234	195	23.9	19.9	4450	454						

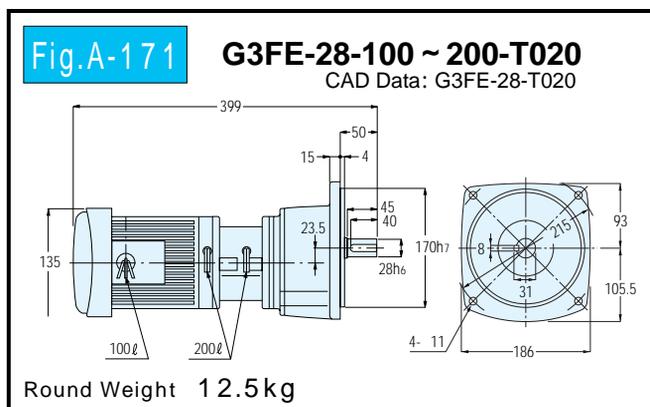
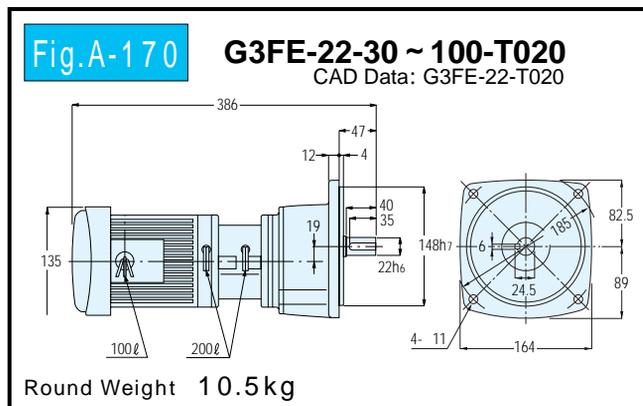
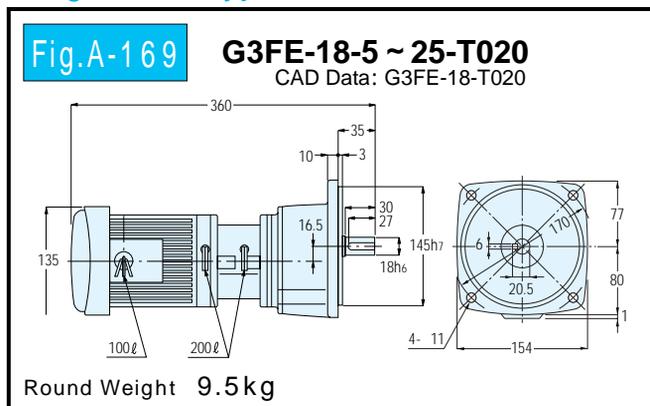
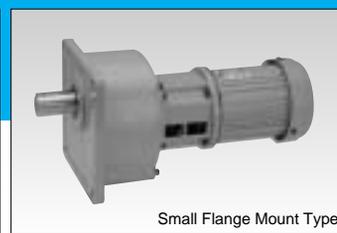
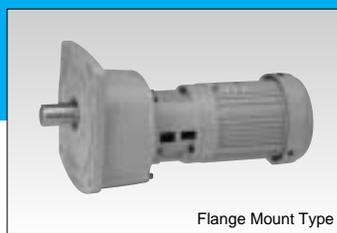
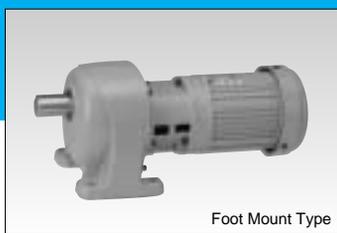
- Note 1**) The allowable O.H.L indicated are the values in the central position of the output shaft.
2) Please be sure to read cautions stated on page A83 regarding rotation direction of output shaft.
3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

Foot Mount Type

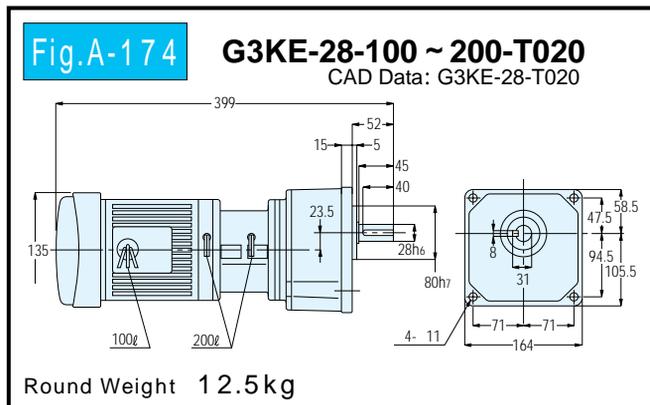
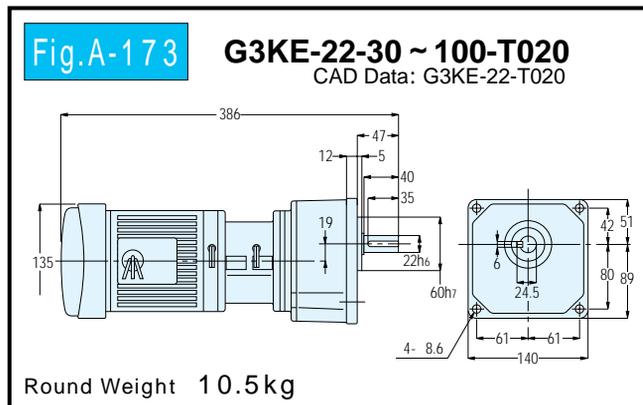
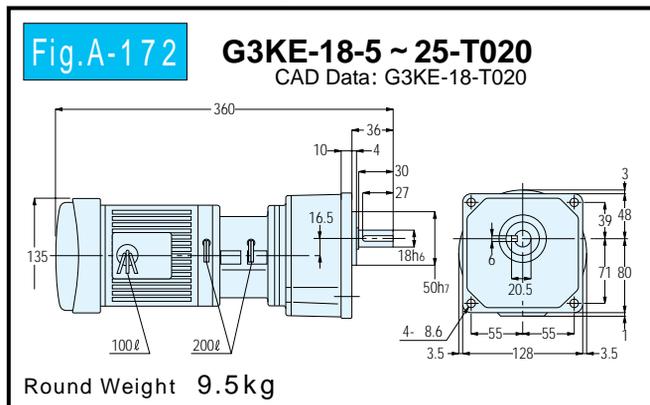


Model Code P.A80 Option P.E78 ~ E79

Flange Mount Type



Small Flange Mount Type



Parallel Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reducer (Double Shaft)
S-Type Reducer
Right Angle Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reduce (Double Shaft)
S-Type Reducer
Hollow Shaft Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Reduce (Double Shaft)
S-Type Reducer
Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Reducer (Parallel Shaft)
S-Type Reducer
Technical Information
Standard Motors
Cautions for Safety
Option
GT-STEP Index Gearmotor
KOMPASS Gearbox

Gearmotor with Clutch and Brake

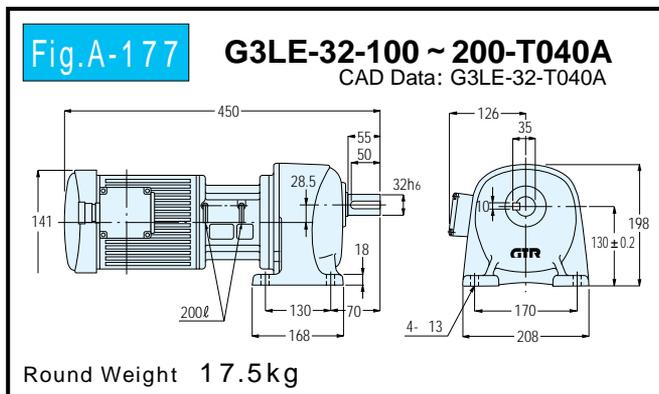
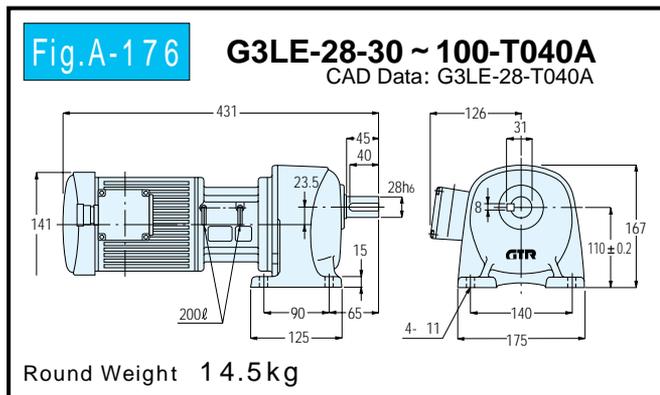
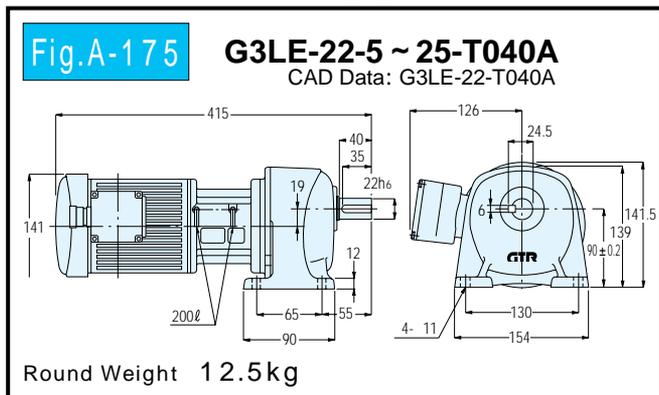
G3 Series 3-Phase 0.4kW Standard Type

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.4kW	T040	50/60/60	200/200/220	2.1/1.8/1.8	1410/1690/1710	B	Totally Enclosed fan-cooled

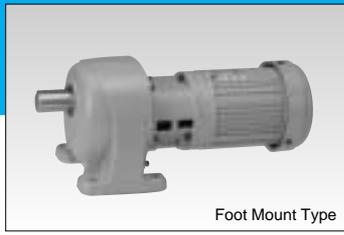
Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L.		Page, Diagram No. of the Outer Dimension Diagram, Round Weight		
				50Hz	60Hz	N·m		kgf·m		N	kgf	3-Phase		
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz			G3LE	G3FE	G3KE
3-phase 0.4kW	22	1/ 5	7/ 34	300	360	12	10	1.2	1	1140	116	P.A88 Fig.A-175 12.5kg	P.A89 Fig.A-178 13kg	P.A89 Fig.A-181 13kg
		1/ 10	7/ 68	150	180	25	21	2.5	2.1	1530	156			
		1/ 15	49/ 748	100	120	36	30	3.7	3.1	1780	181			
		1/ 20	7/ 136	75	90	48	40	4.9	4.1	1910	194			
		1/ 25	7/ 170	60	72	61	50	6.2	5.1	2050	209			
	28	1/ 30	1/ 30	50	60	73	61	7.4	6.2	3310	337	P.A88 Fig.A-176 14.5kg	P.A89 Fig.A-179 15kg	P.A89 Fig.A-182 15kg
		1/ 40	221/ 8610	37.5	45	94	78	9.6	8	3690	376			
		1/ 50	187/ 9030	30	36	117	98	11.9	10	4080	416			
		1/ 60	169/ 9840	25	30	140	117	14.3	11.9	4450	454			
		1/ 80	65/ 5166	18.8	22.5	187	156	19.1	15.9	4450	454			
	32	*1/ 100	55/ 5418	15	18	193	161	19.7	16.4	4450	454	P.A88 Fig.A-177 17.5kg	P.A89 Fig.A-180 18kg	P.A89 Fig.A-183 18kg
		1/ 100	7/ 688	15	18	234	195	23.9	19.9	6370	650			
1/ 120		77/ 9360	12.5	15	281	234	28.7	23.9	7640	779				
1/ 160		21/ 3328	9.4	11.2	374	313	38.2	31.9	7640	779				
		1/ 200	189/38272	7.5	9	431	390	44	39.8	7640	779			

- Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A83 regarding rotation direction of output shaft.
 3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

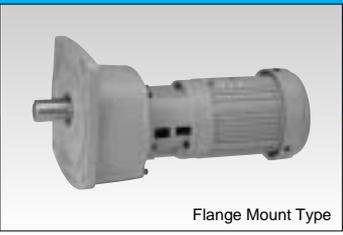
Foot Mount Type



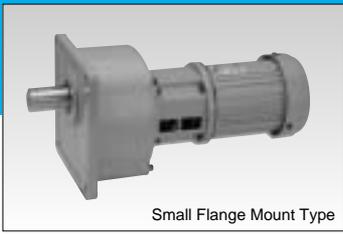
Model Code P.A80 Option P.E78 ~ E79



Foot Mount Type

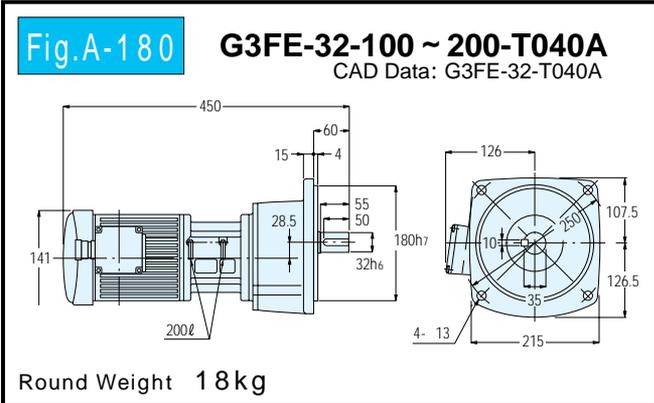
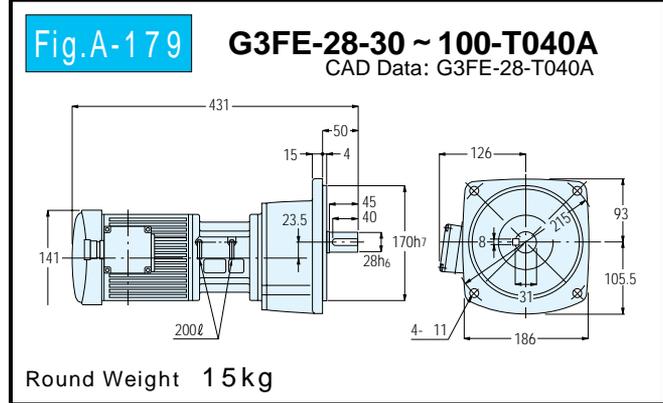
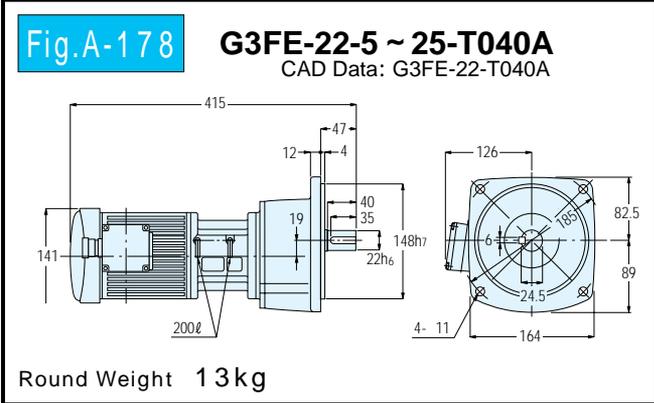


Flange Mount Type

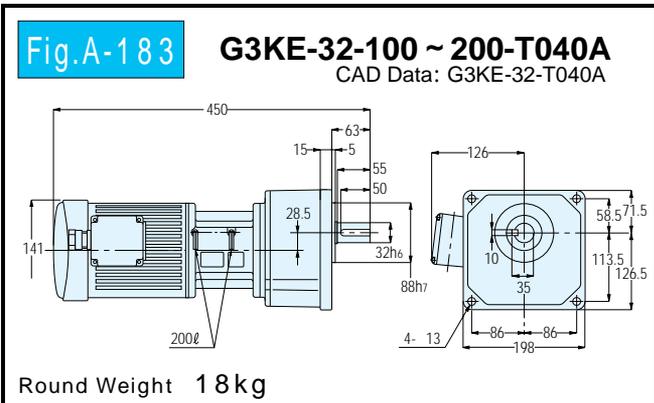
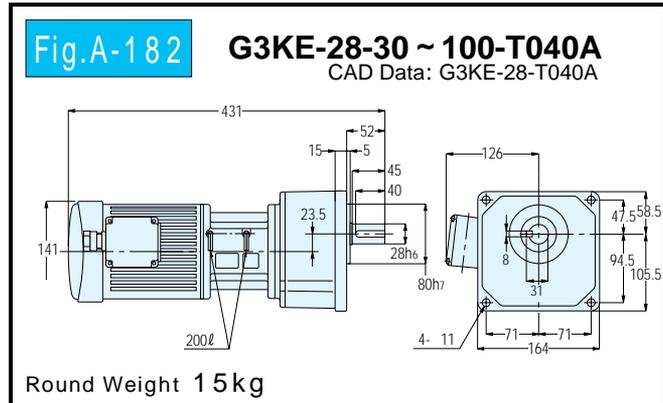
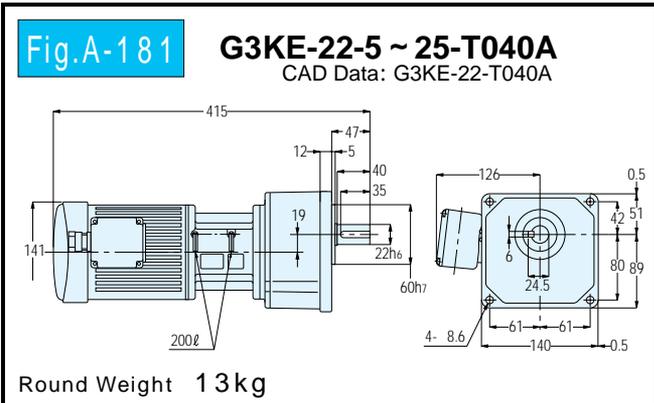


Small Flange Mount Type

Flange Mount Type



Small Flange Mount Type



Parallel Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reducer (Double Shaft)
S-Type Reducer
Right Angle Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reduce (Double Shaft)
S-Type Reducer
Hollow Shaft Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Reduce (Double Shaft)
S-Type Reducer
Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Reducer (Parallel Shaft)
S-Type Reducer
Technical Information
Standard Motors
Cautions for Safety
Option
GT-STEP Index Gearmotor
KOMPASS Gearbox

Gearmotor with Clutch and Brake

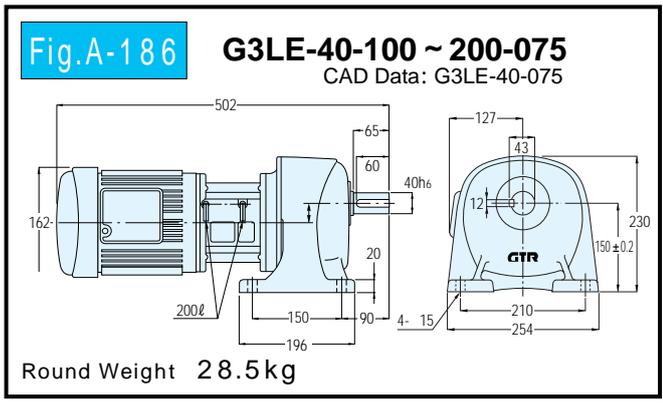
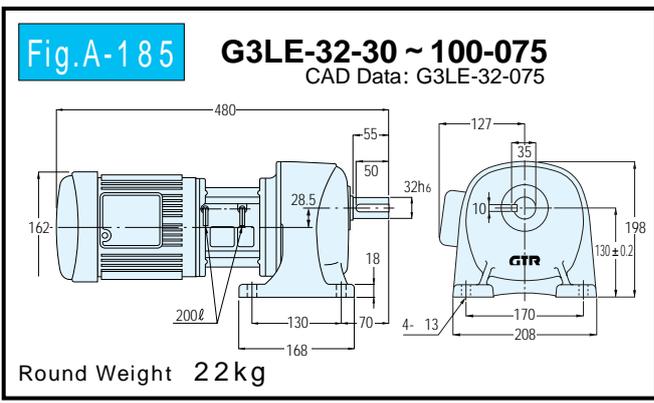
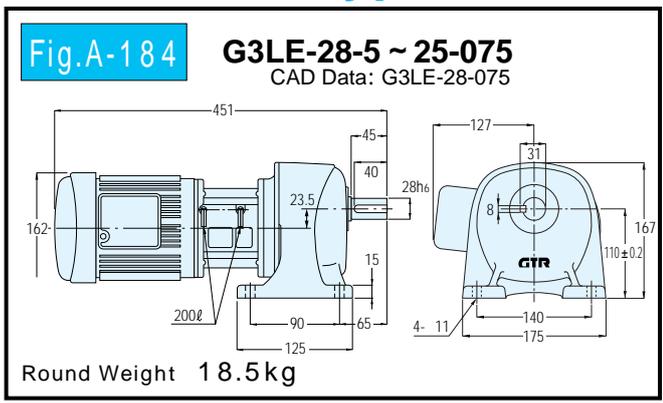
G3 Series 3-Phase 0.75kW Standard Type

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.75kW	075	50/60/60	200/200/220	3.7/3.3/3.2	1430/1720/1730	B	Totally Enclosed fan-cooled

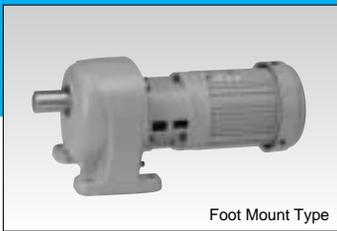
Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L		Page, Diagram No. of the Outer Dimension Diagram, Round Weight				
				50Hz	60Hz	N·m		kgf·m		N		kgf		3-Phase		
						50Hz	60Hz	50Hz	60Hz	N	kgf	G3LE	G3FE	G3KE		
3-phase 0.75kW	28	1/ 5	91/ 459	300	360	23	19	2.3	1.9	1650	168	P.A90 Fig.A-184 18.5kg	P.A91 Fig.A-187 19kg	P.A91 Fig.A-190 19kg		
		1/ 10	1/ 10	150	180	45	38	4.6	3.9	2280	232					
		1/ 15	91/ 1360	100	120	68	57	6.9	5.8	2800	285					
		1/ 20	5/ 102	75	90	91	75	9.3	7.7	3050	311					
		1/ 25	7/ 170	60	72	114	94	11.6	9.6	3180	324					
	32	1/ 30	3/ 92	50	60	136	114	13.9	11.6	5220	532	P.A90 Fig.A-185 22kg	P.A91 Fig.A-188 22.5kg	P.A91 Fig.A-191 22.5kg		
		1/ 40	13/ 516	37.5	45	175	146	17.9	14.9	5470	558					
		1/ 50	11/ 540	30	36	220	183	22.4	18.7	5780	589					
		1/ 60	13/ 774	25	30	264	220	26.9	22.4	6080	620					
		1/ 80	13/ 1032	18.8	22.5	351	293	35.8	29.9	6180	630					
	40	* 1/ 100	11/ 1080	15	18	362	302	36.9	30.8	6770	690	P.A90 Fig.A-186 28.5kg	P.A91 Fig.A-189 30kg			
		1/ 100	91/ 9000	15	18	439	366	44.8	37.3	9170	935					
1/ 120		77/ 9400	12.5	15	527	439	53.8	44.8	9170	935						
1/ 160		9/ 1400	9.4	11.2	703	585	71.7	59.7	9170	935						
		1/ 200	9/ 1750	7.5	9	764	732	78	74.7	9170	935					

- Note 1**) The allowable O.H.L indicated are the values in the central position of the output shaft.
2) Please be sure to read cautions stated on page A83 regarding rotation direction of output shaft.
3) The models marked with * are limited torque type. Be sure to refer to the allowable torque in the Performance Table.

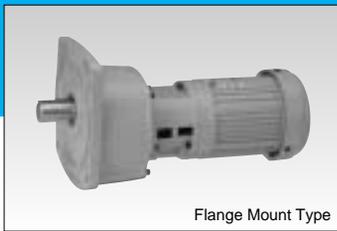
Foot Mount Type



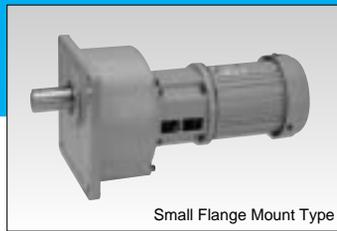
Model Code P.A80 Option P.E78 ~ E79



Foot Mount Type



Flange Mount Type

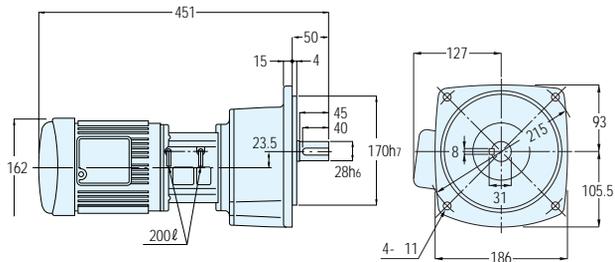


Small Flange Mount Type

Flange Mount Type

Fig.A-187

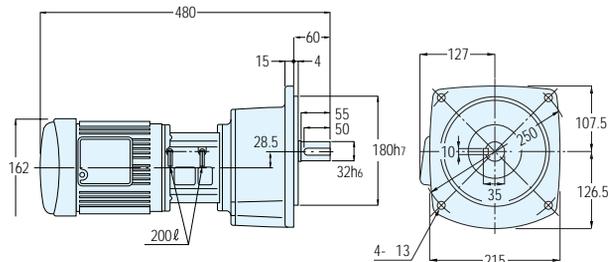
G3FE-28-5 ~ 25-075
CAD Data: G3FE-28-075



Round Weight 19 kg

Fig.A-188

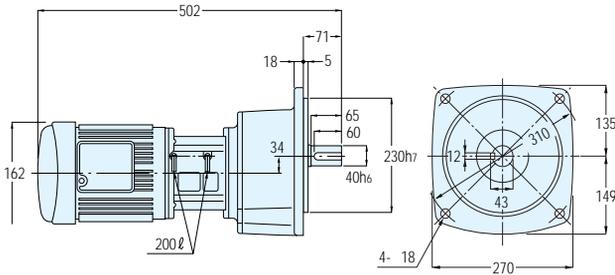
G3FE-32-30 ~ 100-075
CAD Data: G3FE-32-075



Round Weight 22.5 kg

Fig.A-189

G3FE-40-100 ~ 200-075
CAD Data: G3FE-40-075

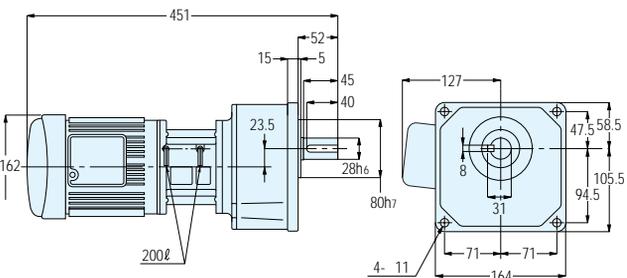


Round Weight 30 kg

Small Flange Mount Type

Fig.A-190

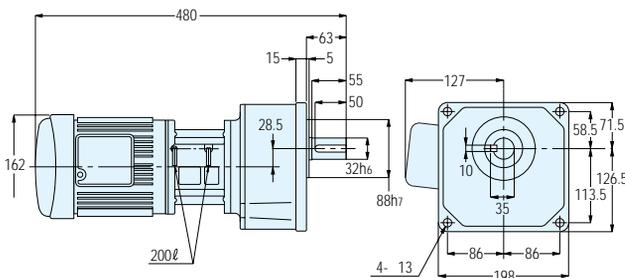
G3KE-28-5 ~ 25-075
CAD Data: G3KE-28-075



Round Weight 19 kg

Fig.A-191

G3KE-32-30 ~ 100-075
CAD Data: G3KE-32-075



Round Weight 22.5 kg

Parallel Shaft (Performance Table/Dimension)

- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer

Right Angle Shaft (Performance Table/Dimension)

- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer

Hollow Shaft Solid Shaft Performance Table/Dimension

- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer

Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension

- Gearmotor with Brake
- Water-Resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer

Technical Information

- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox



Parallel Shaft

Gearmotor with Clutch and Brake (Heavy duty Type)

Performance Table Dimension diagram

G3

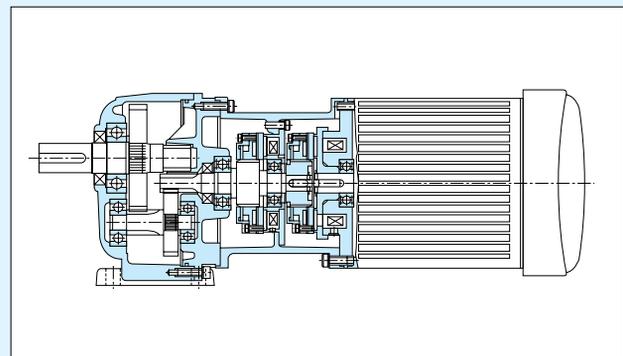
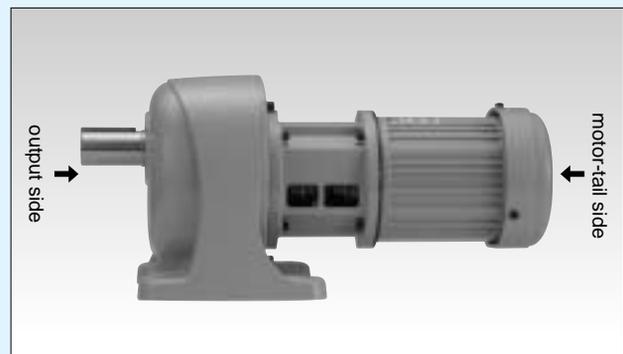
Series

3-Phase

【Remarks】

The output rotation speed is the value corresponds to the motor synchronous speed and the nominal reduction ratio.

The Shaded areas  in the performance table shows that in case gearmotors are wired according to the diagram shown on [page E41](#), the shaft rotates clock wise when viewing from output side. (Refer to the diagram shown below.)



Gearmotor with Clutch and Brake

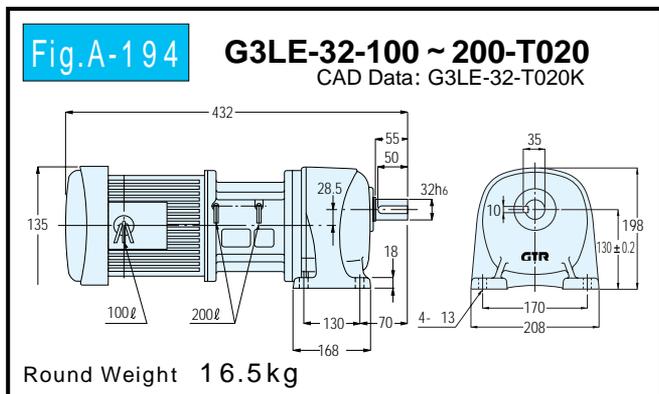
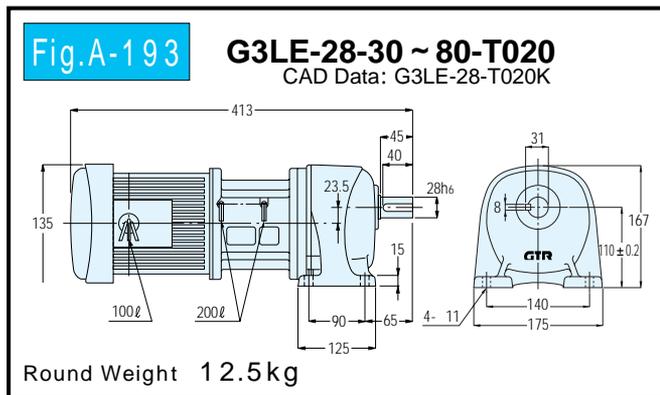
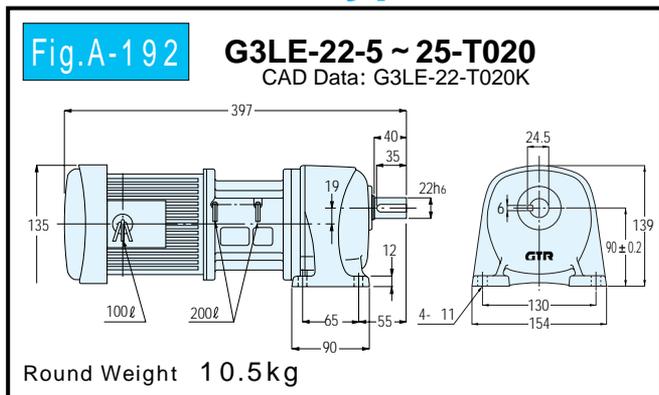
G3 Series 3-Phase 0.2kW Heavy duty type

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.2kW	T020	50/60/60	200/200/220	1.1/1.0/1.0	1420/1710/1720	B	Totally Enclosed fan-cooled

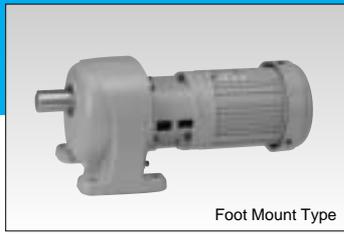
Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L		Page, Diagram No. of the Outer Dimension Diagram, Round Weight		
				50Hz	60Hz	N·m		kgf·m		N	kgf	3-Phase		
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz			G3LE	G3FE	G3KE
3-phase 0.2kW	22	1/ 5	7/ 34	300	360	6.1	5	0.62	0.51	1140	116	P.A94 Fig.A-192 10.5kg	P.A95 Fig.A-195 11kg	P.A95 Fig.A-198 11kg
		1/ 10	7/ 68	150	180	11.8	9.8	1.2	1	1530	156			
		1/ 15	49/ 748	100	120	18.6	14.7	1.9	1.5	1780	181			
		1/ 20	7/ 136	75	90	24.5	20.6	2.5	2.1	1910	194			
	28	1/ 25	7/ 170	60	72	30.4	25.5	3.1	2.6	2050	209	P.A94 Fig.A-193 12.5kg	P.A95 Fig.A-196 13kg	P.A95 Fig.A-199 13kg
		1/ 30	1/ 30	50	60	36.3	30.4	3.7	3.1	3310	337			
		1/ 40	221/ 8610	37.5	45	47	39.2	4.8	4	3690	376			
		1/ 50	187/ 9030	30	36	58.8	49	6	5	4080	416			
	32	1/ 60	169/ 9840	25	30	70.6	58.8	7.2	6	4450	454	P.A94 Fig.A-194 16.5kg	P.A95 Fig.A-197 17kg	P.A95 Fig.A-200 17kg
		1/ 80	65/ 5166	18.8	22.5	94.1	78.4	9.6	8	4450	454			
		1/ 100	7/ 688	15	18	117	98	11.9	10	6370	650			
		1/ 120	77/ 9360	12.5	15	140	117	14.3	11.9	7640	779			
		1/ 160	21/ 3328	9.4	11.2	187	156	19.1	15.9	7640	779			
		1/ 200	189/38272	7.5	9	234	195	23.9	19.9	7640	779			

Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A93 regarding rotation direction of output shaft.

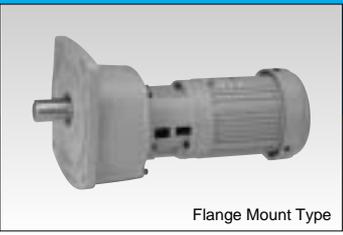
Foot Mount Type



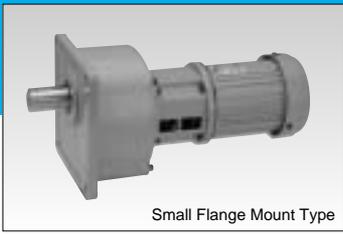
Model Code P.A80 Option P.E78 ~ E79



Foot Mount Type

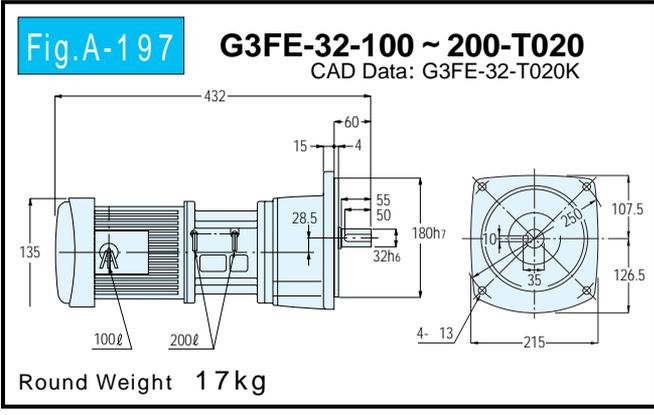
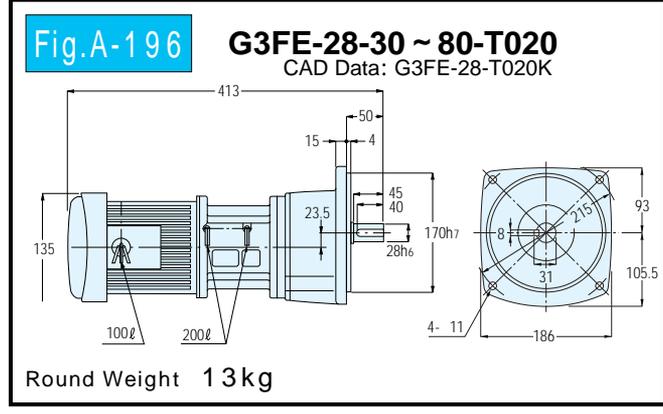
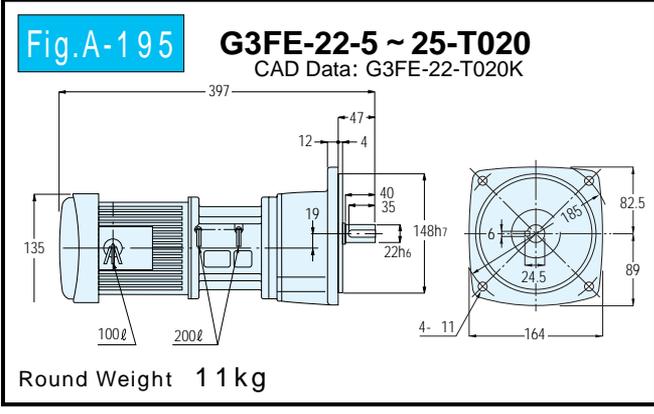


Flange Mount Type

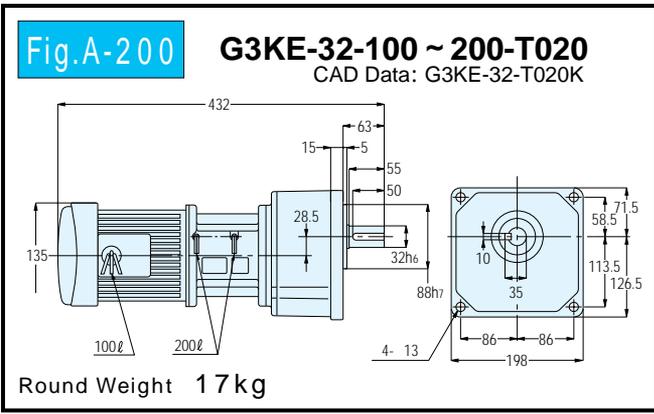
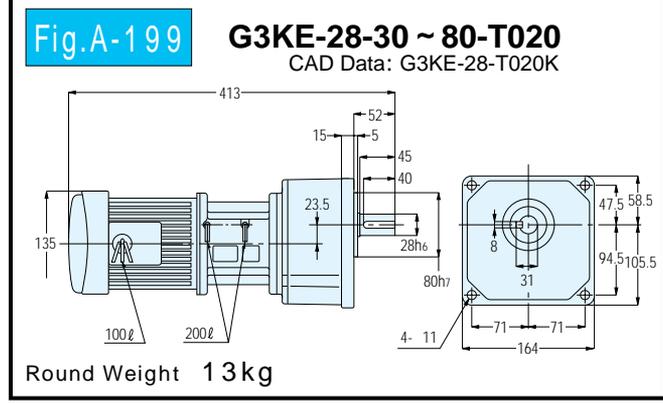
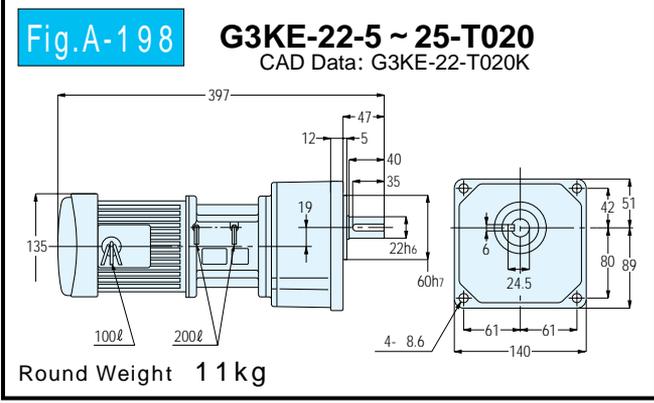


Small Flange Mount Type

Flange Mount Type



Small Flange Mount Type



Parallel Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reducer (Double Shaft)
S-Type Reducer
Right Angle Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reduce (Double Shaft)
S-Type Reducer
Hollow Shaft Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-Resistant, Outdoor Gearmotor with Brake
Reduce (Double Shaft)
S-Type Reducer
Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension
Gearmotor with Brake
Water-Resistant, Outdoor Gearmotor with Brake
Reducer (Parallel Shaft)
S-Type Reducer
Technical Information
Standard Motors
Cautions for Safety
Option
GT-STEP Index Gearmotor
KOMPASS Gearbox

Gearmotor with Clutch and Brake

G3 Series 3-Phase 0.4kW Heavy duty type

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.4kW	T040	50/60/60	200/200/220	2.1/1.8/1.8	1410/1690/1710	B	Totally Enclosed fan-cooled

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L		Page, Diagram No. of the Outer Dimension Diagram, Round Weight		
				50Hz	60Hz	N·m		kgf·m		N	kgf	3-Phase		
				50Hz	60Hz	50Hz	60Hz	50Hz	60Hz	N	kgf	G3LE	G3FE	G3KE
3-phase 0.4kW	28	1/ 5	91/ 459	300	360	12	10	1.2	1	1650	168	P.A96 Fig.A-201 15kg	P.A97 Fig.A-204 15.5kg	P.A97 Fig.A-207 15.5kg
		1/ 10	1/ 10	150	180	25	21	2.5	2.1	2280	232			
		1/ 15	91/1360	100	120	36	30	3.7	3.1	2800	285			
		1/ 20	5/ 102	75	90	48	40	4.9	4.1	3050	311			
		1/ 25	7/ 170	60	72	61	50	6.2	5.1	3180	324			
	32	1/ 30	3/ 92	50	60	73	61	7.4	6.2	5220	532	P.A96 Fig.A-202 18kg	P.A97 Fig.A-205 18.5kg	P.A97 Fig.A-208 18.5kg
		1/ 40	13/ 516	37.5	45	94	78	9.6	8	5470	558			
		1/ 50	11/ 540	30	36	117	98	11.9	10	5780	589			
		1/ 60	13/ 774	25	30	140	117	14.3	11.9	6080	620			
	40	1/ 100	91/9000	15	18	234	195	23.9	19.9	9170	935	P.A96 Fig.A-203 26.5kg	P.A97 Fig.A-206 28kg	
		1/ 120	77/9400	12.5	15	281	234	28.7	23.9	9170	935			
		1/ 160	9/1400	9.4	11.2	374	313	38.2	31.9	9170	935			
1/ 200		9/1750	7.5	9	468	390	47.8	39.8	9170	935				

Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A93 regarding rotation direction of output shaft.

Foot Mount Type

Fig.A-201 G3LE-28-5 ~ 25-T040A
CAD Data: G3LE-28-T040AK

Round Weight 15 kg

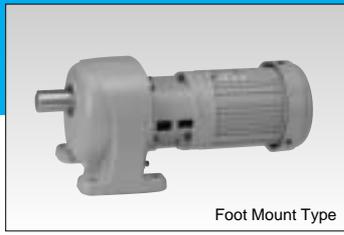
Fig.A-202 G3LE-32-30 ~ 80-T040A
CAD Data: G3LE-32-T040AK

Round Weight 18 kg

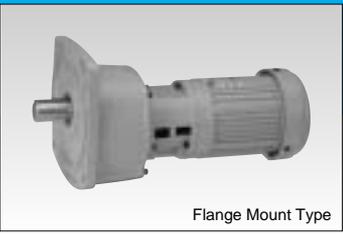
Fig.A-203 G3LE-40-100 ~ 200-T040A
CAD Data: G3LE-40-T040AK

Round Weight 26.5 kg

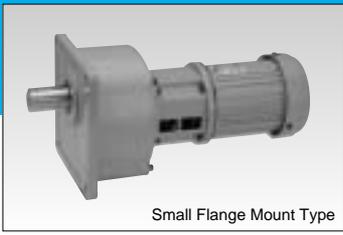
Model Code P.A80 Option P.E78 ~ E79



Foot Mount Type



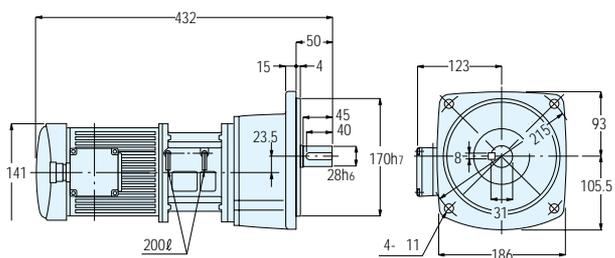
Flange Mount Type



Small Flange Mount Type

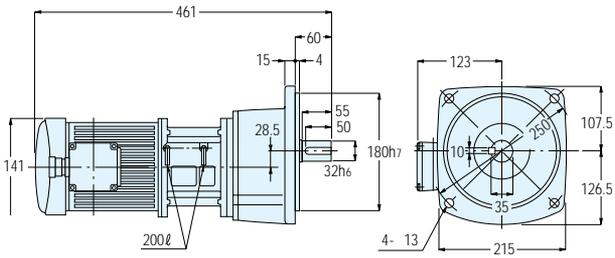
Flange Mount Type

Fig.A-204 G3FE-28-5 ~ 25-T040A
CAD Data: G3FE-28-T040AK



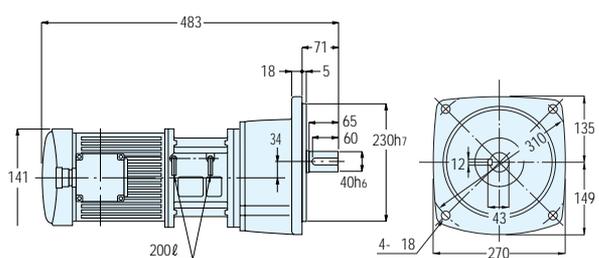
Round Weight 15.5 kg

Fig.A-205 G3FE-32-30 ~ 80-T040A
CAD Data: G3FE-32-T040AK



Round Weight 18.5 kg

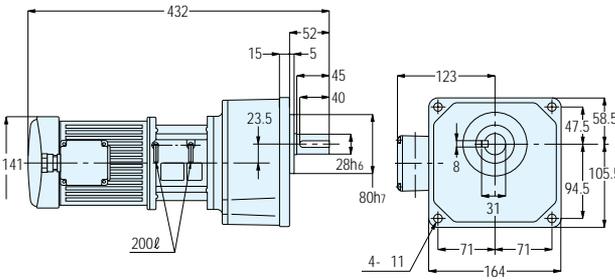
Fig.A-206 G3FE-40-100 ~ 200-T040A
CAD Data: G3FE-40-T040AK



Round Weight 28 kg

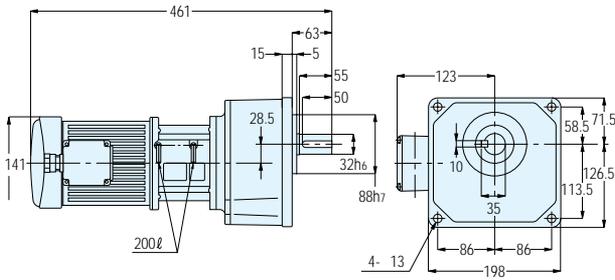
Small Flange Mount Type

Fig.A-207 G3KE-28-5 ~ 25-T040A
CAD Data: G3KE-28-T040AK



Round Weight 15.5 kg

Fig.A-208 G3KE-32-30 ~ 80-T040A
CAD Data: G3KE-32-T040AK



Round Weight 18.5 kg

Parallel Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch/Brake
Reducer (Double Shaft)
S-Type Reducer
Right Angle Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-resistant, Outdoor Gearmotor with Brake
Gearmotor with Clutch /Brake
Reduce (Double Shaft)
S-Type Reducer
Hollow Shaft Solid Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-Resistant, Outdoor Gearmotor with Brake
Reduce (Double Shaft)
S-Type Reducer
Concentric Hollow Shaft Concentric Solid Shaft (Performance Table/Dimension)
Gearmotor with Brake
Water-Resistant, Outdoor Gearmotor with Brake
Reducer (Parallel Shaft)
S-Type Reducer
Technical Information
Standard Motors
Cautions for Safety
Option
GT-STEP Index Gearmotor
KOMPASS Gearbox

Gearmotor with Clutch and Brake

G3 Series 3-Phase 0.75kW Heavy duty type

Motor Specs. Standard Voltage (Continuous Rated 4 Poles)	Capacity	Motor Capacity Designation	Frequency (Hz)	Voltage (V)	Rated Current (A)	Rated Rotation Speed (rpm)	Insulation Classification	Protective Cooling system
	0.75kW	075	50/60/60	200/200/220	3.7/3.3/3.2	1430/1720/1730	B	Totally Enclosed fan-cooled

Motor Capacity	Frame No.	Reduction Ratio	Actual Reduction Ratio (Fraction)	Output Shaft Rotation Speed (rpm)		Output Shaft Allowable Torque				Output Shaft Allowable O.H.L		Page, Diagram No. of the Outer Dimension Diagram, Round Weight		
				50Hz	60Hz	N·m		kgf·m		N	kgf	3-Phase		
						50Hz	60Hz	50Hz	60Hz			G3LE	G3FE	G3KE
3-phase 0.75kW	32	1/ 5	1/ 5	300	360	23	19	2.3	1.9	2280	232	P.A98 Fig.A-209 22.5kg	P.A99 Fig.A-212 23kg	P.A99 Fig.A-215 23kg
		1/ 10	1/ 10	150	180	45	38	4.6	3.9	3180	324			
		1/ 15	1/ 15	100	120	68	57	6.9	5.8	3690	376			
		1/ 20	1/ 20	75	90	91	75	9.3	7.7	4190	427			
		1/ 25	9/ 230	60	72	114	94	11.6	9.6	4410	450			
	40	1/ 30	1/ 30	50	60	136	114	13.9	11.6	6600	673	P.A98 Fig.A-210 29kg	P.A99 Fig.A-213 30.5kg	
		1/ 40	13/ 540	37.5	45	175	146	17.9	14.9	6960	710			
		1/ 50	11/ 564	30	36	220	183	22.4	18.7	6960	710			
		1/ 60	91/5400	25	30	264	220	26.9	22.4	7210	735			
		1/ 80	13/1080	18.8	22.5	351	293	35.8	29.9	7400	755			
	50	1/ 100	25/2618	15	18	439	366	44.8	37.3	12500	1275	P.A98 Fig.A-211 60.5kg	P.A99 Fig.A-214 65.5kg	
		1/ 120	77/8993	12.5	15	527	439	53.8	44.8	12500	1275			
		1/ 160	33/5474	9.4	11.2	703	585	71.7	59.7	12500	1275			
		1/ 200	30/5831	7.5	9	878	732	89.6	74.7	12500	1275			

Note 1) The allowable O.H.L indicated are the values in the central position of the output shaft.
 2) Please be sure to read cautions stated on page A93 regarding rotation direction of output shaft.

Foot Mount Type

Fig.A-209 G3LE-32-5 ~ 25-075
CAD Data: G3LE-32-075K

Round Weight 22.5 kg

Fig.A-210 G3LE-40-30 ~ 80-075
CAD Data: G3LE-40-075K

Round Weight 29 kg

Fig.A-211 G3LE-50-100 ~ 200-075
CAD Data: G3LE-50-075K

Round Weight 60.5 kg

Model Code P.A80 Option P.E78 ~ E79

Flange Mount Type

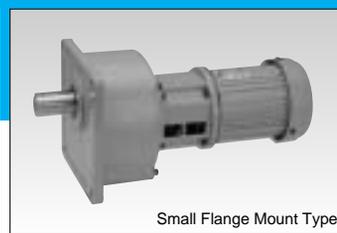
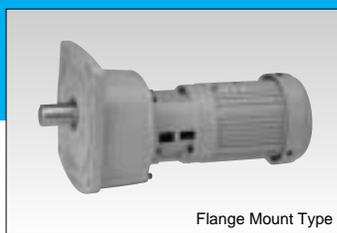
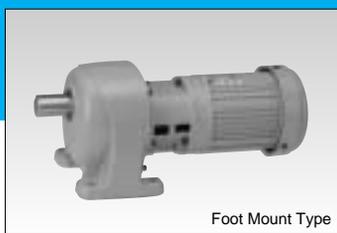
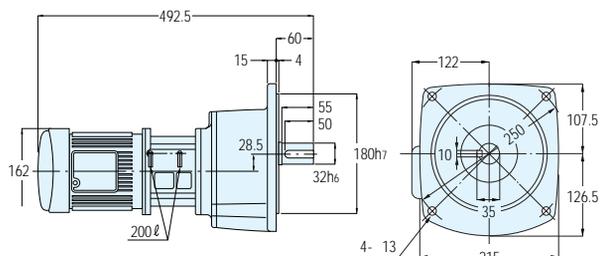


Fig.A-212

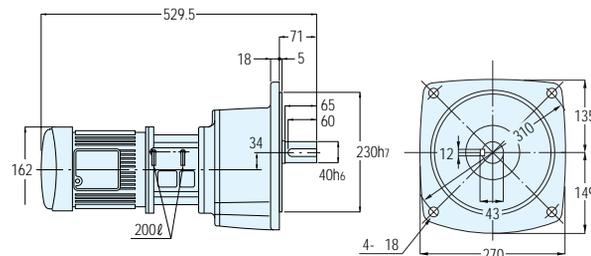
G3FE-32-5 ~ 25-075
CAD Data: G3FE-32-075K



Round Weight 23 kg

Fig.A-213

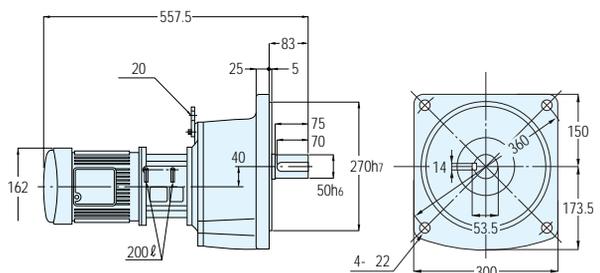
G3FE-40-30 ~ 80-075
CAD Data: G3FE-40-075K



Round Weight 30.5 kg

Fig.A-214

G3FE-50-100 ~ 200-075
CAD Data: G3FE-50-075K

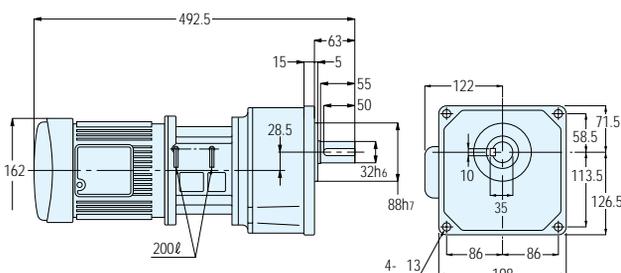


Round Weight 65.5 kg

Small Flange Mount Type

Fig.A-215

G3KE-32-5 ~ 25-075
CAD Data: G3KE-32-075K



Round Weight 23 kg

Parallel Shaft (Performance Table/Dimension)

- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reducer (Double Shaft)
- S-Type Reducer

Right Angle Shaft (Performance Table/Dimension)

- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Gearmotor with Clutch/Brake
- Reduce (Double Shaft)
- S-Type Reducer

Hollow Shaft Solid Shaft Performance Table/Dimension

- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reduce (Double Shaft)
- S-Type Reducer

Concentric Hollow Shaft Concentric Solid Shaft Performance Table/Dimension

- Gearmotor with Brake
- Water-resistant, Outdoor Gearmotor with Brake
- Reducer (Parallel Shaft)
- S-Type Reducer

Technical Information

- Standard Motors
- Cautions for Safety
- Option
- GT-STEP Index Gearmotor
- KOMPASS Gearbox