Gearmotors General Catalog

INDUCTION GEARMOTORS

G/G3 Type

Parallel Shaft

Standard Specification
Model and Type Codes
Standard Model Lineup

Standard Specification

G Type Gearmotors/Gearmotors with Brake

Series		MINI	
Motor Unit	Number of Phases	3-Phase	1-Phase
	Power	15 W to 90 W	15 W to 90 W
	Power Supply	Standard Voltage 200 V/50 Hz, 200 V/60 Hz, 220 V/60 Hz High Voltage (400 V Class) 380 V/50 Hz, 400 V/50 Hz, 400 V/60 Hz, 440 V/60 Hz	Standard Voltage 100 V/50 Hz, 100 V/60 Hz High Voltage (200 V Class) 200 V/50 Hz, 200 V/60 Hz
	Insulation Class	Ins. B	Ins. B
	Startup Method	Direct Power Input	Capacitor Run
	Cooling Method	Totally Enclosed Non-Ventilated (TENV) (IC410) or Totally Enclosed Fan Cooled (TEFC) (IC411)	
	Number of Motor Poles	4	
	Rating	Continuous	
Reducer	Reduction Type	Helical Gear	
	Lubrication Type	Grease Lubrication (Maintenance-free)	
	Output Shaft	JIS Key (JIS B 1301-1996 plain form) * The key is included.	
	Output Shaft Material	Carbon Steel	
	Case Material	Aluminum Die-cast	
Ambient Conditions	Ambient Temperature	-10 °C to 40 °C	
	Ambient Humidity	85 % max (No Condensation)	
	Altitude	1,000 m max	
	Installation Environment	A place free from corrosive gas, explosive gas, and/or vapor. Well ventilated place with no dust.	
	Installation Place	Indoors	
Paint	Paint Color	Gray	
Mounting Direction		No limitations to mounting angle	
Motor Characteristics Table		P.56	P.57
Performance Table		P.60	
Drawings		P.68	

G3 Type Gearmotors/Gearmotors with Brake

Series		MID				
Motor Unit	Number of Phases	3-Phase				1-Phase
	Power	0.1 kW to 2.2 kW				0.1 kW to 0.4 kW
	Power Supply	Type	Global Standards Conformance	Power Supply/Frequency		Standard Voltage 100 V/50 Hz, 100 V/60 Hz High Voltage (200 V Class) 200 V/50 Hz, 200 V/60 Hz
		Standard Voltage	UL/CE/CCC	200 V/50 Hz, 200 V/60 Hz, 220 V/60 Hz		
		High Voltage (400 V Class)	UL/CE/CCC	380 V/50 Hz, 400 V/50 Hz, 400 V/60 Hz, 440 V/60 Hz		
		Special Voltage	South Korea UL/CE/CCC	220 V/60 Hz, 380 V/60 Hz (Dual Voltage)		
			China/Europe UL/CE/CCC	220 V/50 Hz, 380 V/50 Hz (Dual Voltage) 230 V/50 Hz		
			North America/ Europe UL/CE/CCC	208 V/60 Hz, 230 V/60 Hz, 460 V/60 Hz (Dual Voltage) 400 V/50 Hz		
			North America/ Europe UL/CE/CCC	415 V/50 Hz, 440 V/50 Hz, 480 V/60 Hz		
			North America UL	575 V/60 Hz		
	Insulation Class	Ins. F				Ins. B
	Startup Method	Direct Power Input				Capacitor Start
	Cooling Method	Totally Enclosed Fan Cooled (TEFC) (IC411) (All of 0.1 kW and 0.2 kW models without brake are totally enclosed non-ventilated (TENV) (IC410))				Totally Enclosed Fan Cooled (TEFC) (IC411) (0.1 kW models without a brake are totally enclosed (TENV) (IC410))
	Number of Motor Poles	4				
	Rating	Power	Motor Efficiency	UL/CE Standard	CCC Standard	Continuous
		0.1 kW	IE1	Continuous	Continuous	
		0.2 kW, 0.4 kW (Note 1)	IE2	Continuous	Short Time (120 minutes)	
		0.75 kW or above	IE3, GB3	Continuous	Continuous	
Reducer	Reduction Type	Helical Gear				
	Lubrication Type	Grease Lubrication (Maintenance-free)				
	Output Shaft	JIS Key (JIS B 1301-1996 plain form) * The key is included.				
	Output Shaft Material	Carbon Steel				
	Case Material	Aluminum Die-cast (Frame size 50 is made of cast iron.)				
Ambient Conditions	Ambient Temperature	-10 °C to 40 °C				
	Ambient Humidity	85 % max (No Condensation)				
	Altitude	1,000 m max				
	Installation Environment	A well ventilated place free from corrosive gas, explosive gas, vapor and/or chemicals Not to be exposed to direct rain. Not to be exposed to direct sunlight. The brake should not to be exposed to water, dust, oil/grease, or oil mist. Models with water protection rating IPX0 shall not be exposed directly to water.				
Paint	Paint Color	Gray				
Protective Structure (Note 2)		IP44 or IP40				IP40
Mounting Direction		No limitations to mounting angle				
Motor Characteristics Table		P.58				P.59
Performance Table		P.63				P.66
Drawings		P.68				

Note 1: For CCC Standard, Three-phase 0.2 kW and Three-phase 0.4 kW are certified under limited duty cycle. Please be cautious upon selecting this product.
Note 2: The protective structure differs depending on the model.

G/G3 Type IP65 Gearmotors/IP65 Gearmotors with Brake

Series		MINI		MID			
Motor Unit	Number of Phases	3-Phase	1-Phase	3-Phase			
	Power	15 W to 90 W	15 W to 60 W	0.1 kW to 2.2 kW			
	Power Supply	Standard Voltage 200 V/50 Hz, 200 V/60 Hz, 220 V/60 Hz	Standard Voltage 100 V/50 Hz, 100 V/60 Hz	**Type**	**Global Standards Conformance**	**Power Supply/ Frequency**	
				Standard Voltage	UL/CE/CCC	200 V/50 Hz, 200 V/60 Hz, 220 V/60 Hz	
				High Voltage (400 V Class)	UL/CE/CCC	380 V/50 Hz, 400 V/50 Hz, 400 V/60 Hz, 440 V/60 Hz	
				Special Voltage	South Korea UL/CE/CCC	220 V/60 Hz, 380 V/60 Hz (Dual Voltage)	
					China/Europe UL/CE/CCC	220 V/50 Hz, 380 V/50 Hz (Dual Voltage) 230 V/50 Hz	
					North America/ Europe UL/CE/CCC	208 V/60 Hz, 230 V/60 Hz, 460 V/60 Hz (Dual Voltage) 400 V/50 Hz	
					North America/ Europe UL/CE/CCC	415 V/50 Hz, 440 V/50 Hz, 480 V/60 Hz	
					North America UL	575 V/60 Hz	
	Insulation Class	Ins. B		Ins. F			
	Startup Method	Direct Power Input	Capacitor Run	Direct Power Input			
	Cooling Method	Totally Enclosed Non-Ventilated (TENV) (IC410)		Totally Enclosed Fan Cooled (TEFC) (IC411) (All of 0.1 kW and 0.2 kW models without brake are totally enclosed non-ventilated (TENV) (IC410))			
	Number of Motor Poles	4					
	Rating	Continuous		**Power**	**Motor Efficiency**	**UL/CE Standard**	**CCC Standard**
				0.1 kW	IE1	Continuous	Continuous
				0.2 kW, 0.4 kW (Note 1)	IE2	Continuous	Short Time (120 minutes)
				0.75 kW or above	IE3, GB3	Continuous	Continuous
Reducer	Reduction Type	Helical Gear					
	Lubrication Type	Grease Lubrication (Maintenance-free)					
	Output Shaft	JIS Key (JIS B 1301-1996 plain form) * The key is included.					
	Output Shaft Material	Stainless Steel		Stainless steel or carbon steel			
	Case Material	Aluminum Die-cast		Aluminum Die-cast (Frame size 50 is made of cast iron.)			
Ambient Conditions	Ambient Temperature	-10 °C to 40 °C					
	Ambient Humidity	100 % max (No Condensation)					
	Altitude	1,000 m max					
	Installation Environment	A place free from corrosive gas, explosive gas, and/or vapor Not to be exposed to strong rain and wind. Not to be exposed to direct sunlight. Not to be used underwater, environments with exposure to high pressure water splashes, and exposure to cleansing chemicals.					
Paint	Paint Color	Gray					
Protective Structure		IP65					
Mounting Direction		No limitations to mounting angle					
Motor Characteristics Table		P.116		P.117			
Performance Table		P.118		P.120			
Drawings		P.123		P.124			

Note 1: For CCC Standard, Three-phase 0.2 kW and Three-phase 0.4 kW are certified under limited duty cycle. Please be cautious upon selecting this product.

G3 Type Gearmotors with Clutch/Brake

Series		MID
Motor Unit	Number of Phases	3-Phase
	Power	0.1 kW to 0.75 kW
	Power Supply	Standard Voltage 200 V/50 Hz, 200 V/60 Hz, 220 V/60 Hz High Voltage (400 V Class) 380 V/50 Hz, 400 V/50 Hz, 400 V/60 Hz, 440 V/60 Hz
	Insulation Class	Ins. F
	Startup Method	Direct Power Input
	Cooling Method	Totally Enclosed Fan Cooled (TEFC) (IC411) (0.1 kW to 0.2 kW models are totally enclosed non-ventilated. (TENV) (IC410))
	Number of Motor Poles	4
	Rating	Continuous
Reducer	Reduction Type	Helical Gear
	Lubrication Type	Grease Lubrication (Maintenance-free)
	Output Shaft	JIS Key (JIS B 1301-1996 plain form) * The key is included.
	Output Shaft Material	Carbon Steel
	Case Material	Aluminum Die-cast
Ambient Conditions	Ambient Temperature	-10 °C to 40 °C
	Ambient Humidity	85 % max (No Condensation)
	Altitude	1,000 m max
	Installation Environment	A place free from corrosive gas, explosive gas, and/or vapor. Well ventilated place with no dust.
	Installation Place	Indoors
Paint	Paint Color	Gray
Mounting Direction		No limitations to mounting angle
Motor Characteristics		P.142
Performance Table		P.143
Drawings		P.145

G Type Speed Control Gearmotors

Series		MINI
Motor Unit	Number of Phases	1-Phase
	Power	15 W to 90 W
	Power Supply	Standard Voltage 100 V/50 Hz, 100 V/60 Hz High Voltage (200 V Class) 200 V/50 Hz, 200 V/60 Hz
	Insulation Class	Ins. B
	Startup Method	Capacitor Run
	Cooling Method	Totally Enclosed Non-Ventilated (TENV) (IC410) (60 to 90 W: provided with a forced fan (TEFC) (IC411))
	Number of Motor Poles	4
	Rating	Continuous
Reducer	Reduction Type	Helical Gear
	Lubrication Type	Grease Lubrication (Maintenance-free)
	Output Shaft	JIS Key (JIS B 1301-1996 plain form) * The key is included.
	Output Shaft Material	Carbon Steel
	Case Material	Aluminum Die-cast
Ambient Conditions	Ambient Temperature	-10 °C to 40 °C
	Ambient Humidity	85 % max (No Condensation)
	Altitude	1,000 m max
	Installation Environment	A place free from corrosive gas, explosive gas, and/or vapor. Well ventilated place with no dust.
	Installation Place	Indoors
Paint	Paint Color	Gray
Mounting Direction		No limitations to mounting angle
Motor Characteristics Table		P.152
Performance Table		P.154
Drawings		P.157

G3 Type Reducers (Double Shaft Type)

Series		MID
4-Poles Motor Power Class		0.1 kW Class to 2.2 kW Class
Reducer	Reduction Type	Helical Gear
	Lubrication Type	Grease Lubrication (Maintenance-free)
	Output Shaft	JIS Key (JIS B 1301-1996 plain form) * The key is included.
	Input Shaft	JIS Key (JIS B 1301-1996 plain form) * The key is included.
	Output Shaft Material	Carbon Steel
	Input Shaft Material	Carbon Steel
	Case Material	Aluminum Die-cast (Frame size 50 is made of cast iron.)
Ambient Conditions	Ambient Temperature	-10 °C to 40 °C
	Ambient Humidity	85 % max (No Condensation)
	Altitude	1,000 m max
	Installation Environment	A place free from corrosive gas, explosive gas, and/or vapor. Well ventilated place with no dust.
	Installation Place	Indoors
Paint	Paint Color	Gray
Mounting Direction		No limitations to mounting angle
Performance Table		P.168
Drawings		P.170

G3 Type S-Type Reducers

Series		MID
4-Poles Motor Power Class		0.1 kW Class to 2.2 kW Class
Reducer	Reduction Type	Helical Gear
	Lubrication Type	Grease Lubrication (Maintenance-free)
	Output Shaft	JIS Key (JIS B 1301-1996 plain form) * The key is included.
	Output Shaft Material	Carbon Steel
	Case Material	Aluminum Die-cast (Frame size 50 is made of cast iron.)
Ambient Conditions	Ambient Temperature	-10 °C to 40 °C
	Ambient Humidity	85 % max (No Condensation)
	Altitude	1,000 m max
	Installation Environment	A place free from corrosive gas, explosive gas, and/or vapor. Well ventilated place with no dust.
	Installation Place	Indoors
Paint	Paint Color	Gray
Mounting Direction		No limitations to mounting angle
Performance Table		P.178
Drawings		P.180

Model and Type Codes

G Type Gearmotors/Gearmotors with Brake MINI Series

Mounting Type	Motor Type		Frame Size		Reduction Ratio		Motor Power	Supply Voltage	Terminal Box	Option	Option Code
GL	M	–	12	–	50	–	T25				
GF	MN	–	40	–	1500	–	S90	W	C	X	T6
①	②		③		④		⑤	⑥	⑦	⑧	⑨

①Mounting Type	GL : Parallel Shaft Foot Mount
	GF : Parallel Shaft Flange Mount
	GK : Parallel Shaft Small Flange Mount (Frame sizes 22 to 32)
②Motor Type	M : With Motor
	MN : With Brakemotor
	MR : Motor with Simple Brake (Option)
③Frame Size and Output Shaft Diameter	Output Shaft Diameter
④Reduction Ratio	5: 1/5 to 1800: 1/1800
⑤Motor Power	T15 : 3-Phase 15 W
	T25 : 3-Phase 25 W
	T40 : 3-Phase 40 W
	T60 : 3-Phase 60 W
	T90 : 3-Phase 90 W
	S15 : 1-Phase 15 W
	S25 : 1-Phase 25 W
	S40 : 1-Phase 40 W
	S60 : 1-Phase 60 W
	S90 : 1-Phase 90 W
⑥Supply Voltage (High Voltage Option)	Blank : Standard Voltage 3-Phase: 200 V/50 Hz, 200 V/60 Hz, 220 V/60 Hz 1-Phase: 100 V/50 Hz, 100 V/60 Hz
	W : High Voltage 3-Phase: 380 V/50 Hz, 400 V/50 Hz, 400 V/60 Hz, 440 V/60 Hz 1-Phase: 200 V/50 Hz, 200 V/60 Hz
⑦Terminal Box (Option) (Note 1)	Blank : Flying Leads (Standard Type)
	T : T Type Terminal Box
	K : K Type Terminal Box
	C : Terminal Box with Built-in Rectifier for Gearmotor with Brake (Note 1)
⑧Option	Blank : Standard Specification
	X : Special Specification Code
⑨Option Code (Note 2)	Lead Wires/Terminal Box Position Code Please refer to the list of option codes on page 527 for details.

Note 1: When using an inverter for a C type terminal box, be sure to designate an AC switching (A) connection.
Please refer to page 537 for details.
Note 2: The option code will not be shown in the nomenclature on the nameplate. But it will be shown in the Option code row of the nameplate.

G3 Type Gearmotors/Gearmotors with Brake MID Series [3-Phase]

Gearhead Type					Motor Type							Brake Specifications	Option	
Mounting Type	Frame Size	Shaft Arrangement	Reduction Ratio		Motor Type	Motor Specifications	Motor Power	Number of Phases	Supply Voltage	Standards	Terminal Box	Brake	Option	Option Code
G3L	18	N	50	–	M	M	01	T	N	N	T	N		
G3F	32	N	100	–	M	M	04	T	W	N	T	B4	X	AA
G3K	32	N	25	–	M	D	15	T	K	N	T	B2	X	T9HZ
①	②	③	④		⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭

①Mounting Type	G3L	: Parallel Shaft Foot Mount
	G3F	: Parallel Shaft Flange Mount
	G3K	: Parallel Shaft Small Flange Mount (Frame sizes 18 to 32)
②Frame Size and Output Shaft Diameter	Output Shaft Diameter	
③Shaft Arrangement	N	: Parallel Shaft
④Reduction Ratio	5: 1/5 to 12X: 1/1200	
⑤Motor Type	M	: Standard Induction Motor (IP40 or IP44)
⑥Motor Specifications (Note 1)	M	: IE1 Efficiency Ins. F (0.1 kW) IE2 Efficiency Ins. F (0.2 kW to 0.4 kW)
	D	: IE3 Efficiency Ins. F (0.75 kW to 2.2 kW)
⑦Motor Power	01	: 0.1 kW
	02	: 0.2 kW
	04	: 0.4 kW
	08	: 0.75 kW
	15	: 1.5 kW
	22	: 2.2 kW
⑧Number of Phases	T	: 3-Phase

⑨Supply Voltage		⑫Brake Specifications (Note 2)				
		N	B2	B4	J2	J4
⑨Supply Voltage	N : 200 V/50 Hz, 200 V/60 Hz, 220 V/60 Hz	○	○		○	
	W : 380 V/50 Hz, 400 V/50 Hz, 400 V/60 Hz, 440 V/60 Hz	○		○		○
	K : 220 V/60 Hz, 380 V/60 Hz	○	○	○	○	○
	C : 220 V/50 Hz, 230 V/50 Hz, 380 V/50 Hz	○	○	○	○	○
	A : 208 V/60 Hz, 230 V/60 Hz, 460 V/60 Hz, 400 V/50 Hz	○	○	○	○	○
	E : 415 V/50 Hz, 440 V/50 Hz, 480 V/60 Hz	○		○		○
	M : 575 V/60 Hz	○	○		○	

⑩Standards	N	: UL/CE/CCC
	A	: UL* Supply Voltage: M (575 V/60 Hz) only
⑪Terminal Box (Note 3)	T	: T Type Terminal Box (steel plate) (induction motor standard)
	N	: Flying Leads
⑫Brake Specifications	N	: No Brake
	B2	: 200 V Class Brake
	B4	: 400 V Class Brake
	J2	: 200 V Class Brakemotor with Manual Release
	J4	: 400 V Class Brakemotor with Manual Release
⑬Option	Blank	: Standard Specification
	X	: Special Specification Code
⑭Option Code (Note 4)	Built-in Rectifier Connection Code For details, please refer to the list of option codes on page 507.	
	Terminal Box Position Code For details, please refer to the list of option codes on page 528.	
	For other option codes, please refer to the list of option codes on page 936.	

Note 1: For CCC Standard, Three-phase 0.2 kW and Three-phase 0.4 kW are certified under limited duty cycle. Please be cautious upon selecting the product.
Note 2: ○ indicates a brake specification that can be manufactured.
Note 3: With regard to the types of flying leads, only supply voltage codes N are covered.
Note 4: The option code will not be shown in the nomenclature on the nameplate. But it will be shown in the Option code row of the nameplate.

G3 Type Gearmotors/Gearmotors with Brake MID Series [1-Phase]

Gearhead Type					Motor Type							Brake Specifications	Option	
Mounting Type	Frame Size	Shaft Arrangement	Reduction Ratio		Motor Type	Motor Specifications	Motor Power	Number of Phases	Supply Voltage	Standards	Terminal Box	Brake	Option	Option Code
G3L	18	N	50	–	M	M	01	C	N	J	A	N		
G3F	32	N	450	–	M	M	02	C	W	J	A	B2		
G3K	28	N	100	–	M	M	04	C	N	J	A	B2	X	T9HZ
①	②	③	④		⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭

①Mounting Type	G3L : Parallel Shaft Foot Mount
	G3F : Parallel Shaft Flange Mount
	G3K : Parallel Shaft Small Flange Mount (Frame sizes 18 to 32)
②Frame Size and Output Shaft Diameter	Output Shaft Diameter
③Shaft Arrangement	N : Parallel Shaft
④Reduction Ratio	5: 1/5 to 12X: 1/1200
⑤Motor Type	M : Standard Induction Motor (IP40)
⑥Motor Specifications	M : IE1 Efficiency Ins. B
⑦Motor Power	01 : 0.1 kW
	02 : 0.2 kW
	04 : 0.4 kW
⑧Number of Phases	C : 1-Phase Capacitor Start
⑨Supply Voltage (Note 1)	N : 100 V/50 Hz, 100 V/60 Hz
	W : 200 V/50 Hz, 200 V/60 Hz
⑩Standards	J : No Standards
⑪Terminal Box	A : A Type Terminal Box (Aluminum)
⑫Brake Specifications	N : No Brake
	B2 : 200 V Class Brake
⑬Option	Blank : Standard Specification
	X : Special Specification Code
⑭Option Code (Note 2)	Terminal Box Position Code Please refer to page 530 for details.

Note 1: For voltages/frequencies not listed above, please contact your nearest Sales Office or the CS Center.
Note 2: The option code will not be shown in the nomenclature on the nameplate. But it will be shown in the Option code row of the nameplate.

G Type IP65 Gearmotors/IP65 Gearmotors with Brake MINI Series

Mounting Type	Motor Type		Frame Size		Reduction Ratio		Motor Power	Option	Option Code
GL	W	–	12	–	50	–	T25		
GF	V	–	18	–	200	–	T90	X	T6
①	②		③		④		⑤	⑥	⑦

①Mounting Type	GL	: Parallel Shaft Foot Mount
	GF	: Parallel Shaft Flange Mount
②Motor Type	W	: With IP65 Motor (Output Shaft Material: Stainless Steel)
	V	: With IP65 Brakemotor (Output Shaft Material: Stainless Steel)
③Frame Size and Output Shaft Diameter	Output Shaft Diameter	
④Reduction Ratio	5: 1/5 to 240: 1/240	
⑤Motor Power and Supply Voltage/ Frequency	T15	: 3-Phase 15 W
	T25	: 3-Phase 25 W
	T40	: 3-Phase 40 W
	T60	: 3-Phase 60 W
	T90	: 3-Phase 90 W
	S15	: 1-Phase 15 W
	S25	: 1-Phase 25 W
	S40	: 1-Phase 40 W
	S60	: 1-Phase 60 W
	3-Phase 1-Phase	: 200 V/50 Hz, 200 V/60 Hz, 220 V/60 Hz : 100 V/50 Hz, 100 V/60 Hz
⑥Option	Blank	: Standard Specification
	X	: Special Specification Code
⑦Option Code (Note 1)	Cabtyre Cable Position Code Please refer to the list of option codes on page 527 for details.	

Note 1: The option code will not be shown in the nomenclature on the nameplate. But it will be shown in the Option code row of the nameplate.

G3 Type IP65 Gearmotors/IP65 Gearmotors with Brake MID Series

Gearhead Type					Motor Type							Brake Specifications	Option	
Mounting Type	Frame Size	Shaft Arrangement	Reduction Ratio		Motor Type	Motor Specifications	Motor Power	Number of Phases	Supply Voltage	Standards	Terminal Box	Brake	Option	Option Code
G3L	18	N	50	–	W	M	01	T	N	N	E	N		
G3F	32	S	100	–	W	M	04	T	W	N	E	V4	X	AA
G3K	32	N	60	–	W	D	08	T	K	N	E	V2	X	T9HZ
①	②	③	④		⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭

①Mounting Type	G3L : Parallel Shaft Foot Mount		
	G3F : Parallel Shaft Flange Mount		
	G3K : Parallel Shaft Small Flange Mount (Frame sizes 18 to 32)		
②Frame Size and Output Shaft Diameter	Output Shaft Diameter		
③Shaft Arrangement and Material	Shaft Arrangement		Parallel Shaft
	Material	Carbon Steel	N
		Stainless Steel	S
④Reduction Ratio	5: 1/5 to 12X: 1/1200		
⑤Motor Type	W : IP65 Induction Motor		
⑥Motor Specifications (Note 1)	M : IE1 Efficiency Ins. F (0.1 kW) IE2 Efficiency Ins. F (0.2 kW to 0.4 kW)		
	D : IE3 Efficiency Ins. F (0.75 kW to 2.2 kW)		
⑦Motor Power	01 : 3-Phase 0.1 kW		
	02 : 3-Phase 0.2 kW		
	04 : 3-Phase 0.4 kW		
	08 : 3-Phase 0.75 kW		
	15 : 3-Phase 1.5 kW		
	22 : 3-Phase 2.2 kW		
⑧Number of Phases (Note 2)	T : 3-Phase		

⑨Supply Voltage		⑫Brake Specifications (Note 3)		
		N	V2	V4
N	: 200 V/50 Hz, 200 V/60 Hz, 220 V/60 Hz	○	○	
W	: 380 V/50 Hz, 400 V/50 Hz, 400 V/60 Hz, 440 V/60 Hz	○		○
K	: 220 V/60 Hz, 380 V/60 Hz	○	○	○
C	: 220 V/50 Hz, 230 V/50 Hz, 380 V/50 Hz	○	○	○
A	: 208 V/60 Hz, 230 V/60 Hz, 460 V/60 Hz, 400 V/50 Hz	○	○	○
E	: 415 V/50 Hz, 440 V/50 Hz, 480 V/60 Hz	○		○
M	: 575 V/60 Hz	○	○	

⑩Standards	N : UL/CE/CCC	
	A : UL* Supply Voltage: M (575 V/60 Hz) only	
⑪Terminal Box	E : E Type Terminal Box (Aluminum)	
⑫Brake Specifications (Note 5)	N : No Brake	
	V2 : IP65 200 V Class Brake (Note 4)	
	V4 : IP65 400 V Class Brake (Note 4)	
⑬Option	Blank : Standard Specification	
	X : Special Specification Code	
⑭Option Code (Note 6)	Built-in Rectifier Connection Code For details, please refer to the list of option codes on page 507.	
	Terminal Box Position Code For details, please refer to the list of option codes on page 528.	
	For other option codes, please refer to the list of option codes on page 936.	

Note 1: For CCC Standard, Three-phase 0.2 kW and Three-phase 0.4 kW are certified under limited duty cycle. Please be cautious upon selecting the product.
Note 2: Single-phase types are not available.
Note 3: ○ indicates a brake specification that can be manufactured.
Note 4: IP65 gearmotors with a brake are not available for 1.5 kW and 2.2 kW.
Note 5: The rectifier is included with the product.
Note 6: The option code will not be shown in the nomenclature on the nameplate. But it will be shown in the Option code row of the nameplate.

G3 Type Gearmotors with Clutch/Brake MID Series

Gearhead Type					Motor Type							Brake Specifications	Option	
Mounting Type	Frame Size	Shaft Arrangement	Reduction Ratio		Motor Type	Motor Specifications	Motor Power	Number of Phases	Supply Voltage	Standards	Terminal Box	Brake	Option	Option Code
G3L	18	N	25	–	E	M	02	T	N	J	T	N		
G3F	22	N	80	–	E	M	04	T	W	J	T	N		
G3K	32	N	100	–	E	D	08	T	W	J	T	N	X	T9HZ
①	②	③	④		⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭

①Mounting Type	G3L : Parallel Shaft Foot Mount
	G3F : Parallel Shaft Flange Mount
	G3K : Parallel Shaft Small Flange Mount (Frame sizes 18 to 32)
②Frame Size and Output Shaft Diameter	Output Shaft Diameter
③Shaft Arrangement	N : Parallel Shaft
④Reduction Ratio	5: 1/5 to 200: 1/200
⑤Motor Type	E : Induction Motor With Clutch/Brake
⑥Motor Specifications	M : IE1 Efficiency Ins. F (0.1 kW) IE2 Efficiency Ins. F (0.2 kW to 0.4 kW)
	D : IE3 Efficiency Ins. F
⑦Motor Power	01 : 0.1 kW
	02 : 0.2 kW
	04 : 0.4 kW
	08 : 0.75 kW
⑧Number of Phases	T : 3-Phase
⑨Supply Voltage (Note 1)	N : 200 V/50 Hz, 200 V/60 Hz, 220 V/60 Hz
	W : 380 V/50 Hz, 400 V/50 Hz, 400 V/60 Hz, 440 V/60 Hz
⑩Standards	J : No Standards
⑪Terminal Box	T : T Type Terminal Box (Steel Plate)
⑫Brake Specifications	N : No Brake (With Clutch/Brake)
⑬Option	Blank : Standard Specification
	X : Special Specification Code
⑭Option Code (Note 2)	Terminal Box Position Code Please refer to page 530 for details.

Note 1: For voltages/frequencies not listed above, please contact your nearest Sales Office or the CS Center.
Note 2: The option code will not be shown in the nomenclature on the nameplate. But it will be shown in the Option code row of the nameplate.
Note 3: Please avoid using gearmotors with clutch/brake in vertical operation (lifting). There is a danger of falling during a power outage.

G Type Speed Control Gearmotors MINI Series

Mounting Type	Motor Type		Frame Size		Reduction Ratio		Motor Power	Supply Voltage	Terminal Box	Option	Option Code
GL	U	–	12	–	50	–	S25				
GF	P	–	40	–	1500	–	S90	W	C	X	T6
①	②		③		④		⑤	⑥	⑦	⑧	⑨

①Mounting Type	GL	: Parallel Shaft Foot Mount
	GF	: Parallel Shaft Flange Mount
	GK	: Parallel Shaft Small Flange Mount (Frame sizes 22 to 32)
②Motor Type	U	: U Type with Speed Control Motor (Controller Set)
	P	: P Type with Speed Control Motor (Controller: Sold Separately)
③Frame Size and Output Shaft Diameter	Output Shaft Diameter	
④Reduction Ratio	5: 1/5 to 1800: 1/1800	
⑤Motor Power	S15	: 1-Phase 15 W
	S25	: 1-Phase 25 W
	S40	: 1-Phase 40 W
	S60	: 1-Phase 60 W
	S90	: 1-Phase 90 W
⑥Supply Voltage (High Voltage Option)	Blank 1-Phase	: Standard Voltage : 100 V/50 Hz, 100 V/60 Hz
	W 1-Phase	: High Voltage (200 V Class) : 200 V/50 Hz, 200 V/60 Hz
⑦Terminal Box (Option) (Note 1)	Blank	: Flying Leads (Standard Type)
	C	: Terminal Box for P Type Speed Controller
⑧Option	Blank	: Standard Specification
	X	: Special Specification Code
⑨Option Code (Note 2)	Lead Wires/Terminal Box Position Code Please refer to the list of option codes on page 527 for details.	

Note 1: Please refer to page 583 for the specifications of terminal boxes.
Note 2: The option code will not be shown in the nomenclature on the nameplate. But it will be shown in the Option code row of the nameplate.

Controller

■ Type Code

Part Number			Supply Voltage	Function	Part Number
SC	P	–	10	1	L

- **Blank**: U Type
  L : P Type
- **Function**
  - 0: Only Variable Speed (Only U Type)
  - 1: Variable Speed + Instant Stop
  - 2: Variable Speed + Instant Stop + Slow Start/Slow Down
  - 3: Variable Speed + Instant Stop + Slow Start/Slow Down + Parallel Operation
- **Voltage**
  - 10: 1-Phase 100 V
  - 20: 1-Phase 200 V
- U: U Type (sold in set with gearmotor)
  P: P Type (sold separately from gearmotor)
- SC: Generic name for Speed Controller

G3 Type Reducers (Double Shaft Type) MID Series

Mounting Type	Motor Type		Frame Size		Reduction Ratio		Motor Power Class	Option	Terminal Box	Option	Option Code
G3L		–	22	–	50	–	020				
G3F		–	40	–	200	–	075			X	
①	②		③		④		⑤	⑥	⑦	⑧	⑨

①Mounting Type	G3L : Parallel Shaft Foot Mount
	G3F : Parallel Shaft Flange Mount
	G3K : Parallel Shaft Small Flange Mount (Frame sizes 18 to 32)
②Motor Type	Blank : Without Motor (Double Shaft Type)
③Frame Size and Output Shaft Diameter	Output Shaft Diameter
④Reduction Ratio	5: 1/5 to 1200: 1/1200
⑤Motor Power Class	010 : 0.1 kW Class
	020 : 0.2 kW Class
	040 : 0.4 kW Class
	075 : 0.75 kW Class
	150 : 1.5 kW Class
	220 : 2.2 kW Class
⑥Option	Blank : Standard Specification There is no applicable option.
⑦Terminal Box	Blank : Standard Specification
⑧Option	Blank : Standard Specification
	X : Special Specification Code
⑨Option Code (Note 1)	Blank : Standard Specification

Note 1: The option code will not be shown in the nomenclature on the nameplate. But it will be shown in the Option code row of the nameplate.

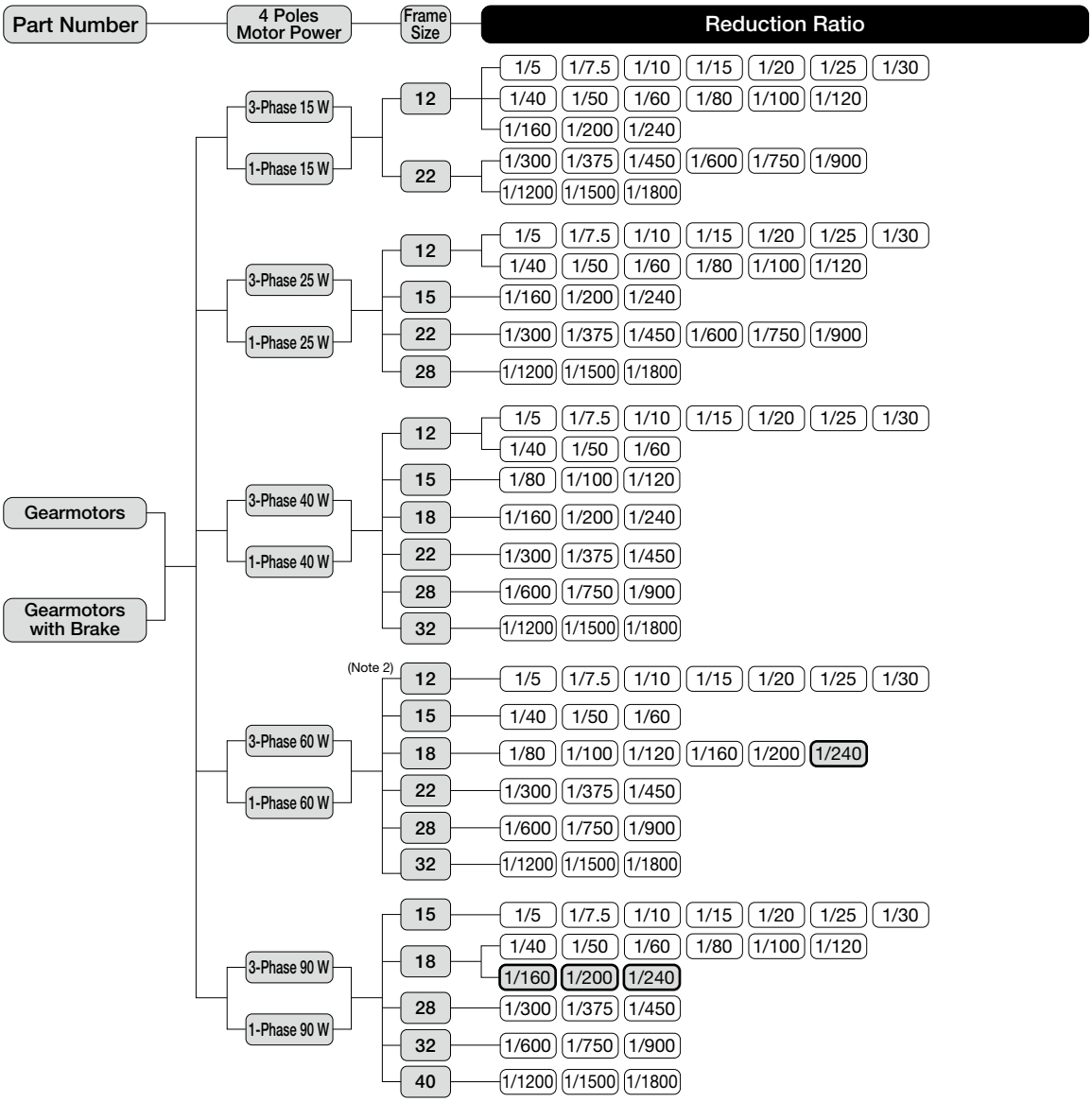
G3 Type S-Type Reducers MID Series

Mounting Type	Motor Type		Frame Size		Reduction Ratio		Motor Power Class	Option	Terminal Box	Option
G3L	S	–	22	–	50	–	020			
G3F	S	–	40	–	200	–	075			X
①	②		③		④		⑤	⑥	⑦	⑧

①Mounting Type	G3L : Parallel Shaft Foot Mount
	G3F : Parallel Shaft Flange Mount
	G3K : Parallel Shaft Small Flange Mount (Frame sizes 18 to 32)
②Motor Type	S : Type That Can be Equipped with Designated Motor (S-Type)
③Frame Size and Output Shaft Diameter	Output Shaft Diameter
④Reduction Ratio	5: 1/5 to 1200: 1/1200
⑤Motor Power Class	010 : 0.1 kW Class
	020 : 0.2 kW Class
	040 : 0.4 kW Class
	075 : 0.75 kW Class
	150 : 1.5 kW Class
	220 : 2.2 kW Class
⑥Option	Blank : Standard Specification
⑦Terminal Box	Blank : Standard Specification
⑧Option	Blank : Standard Specification
	X : Special Specification Code

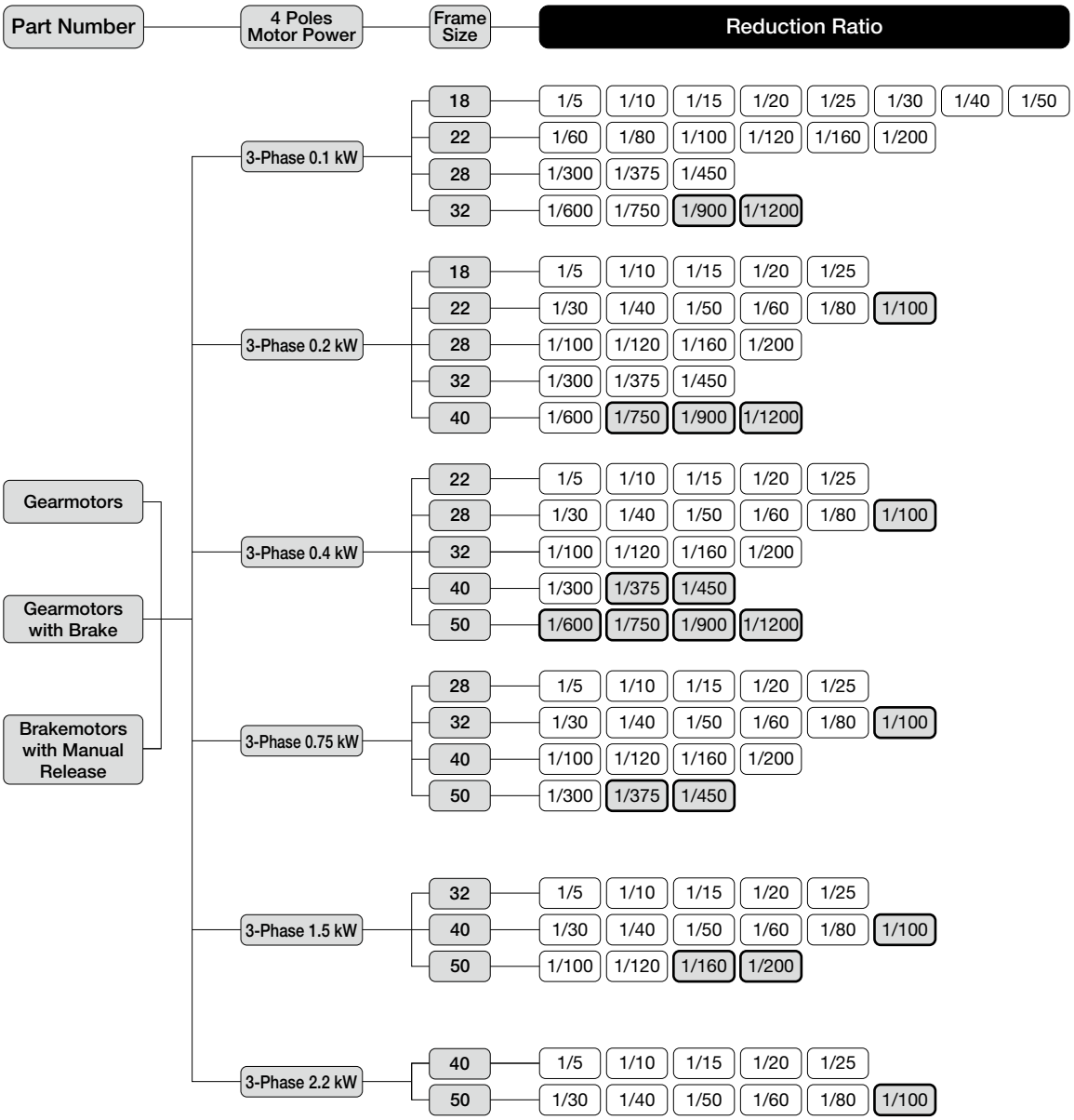
Standard Model Lineup

G Type Gearmotors/Gearmotors with Brake MINI Series



Note 1: Please note that mounting type GK is available only for frame sizes 22 to 32.
Note 2: The frame size for types other than Three-phase standard voltage types is 15. The frame size for all Single-phase types is 15.
Note 3: ⬭ indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.

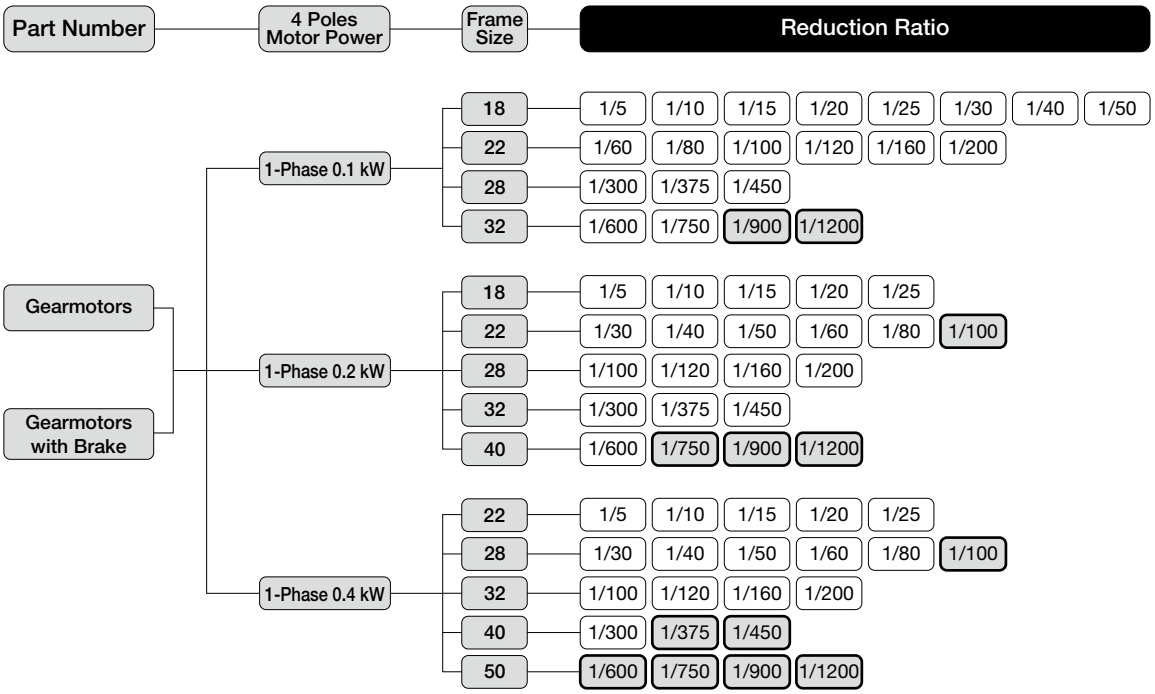
G3 Type Gearmotors/Gearmotors with Brake MID Series



Note 1: The G3 Type is available in three types: Foot mount, Flange mount, and Small flange mount.
Please note that mounting type G3K is available only for frame sizes 18 to 32.

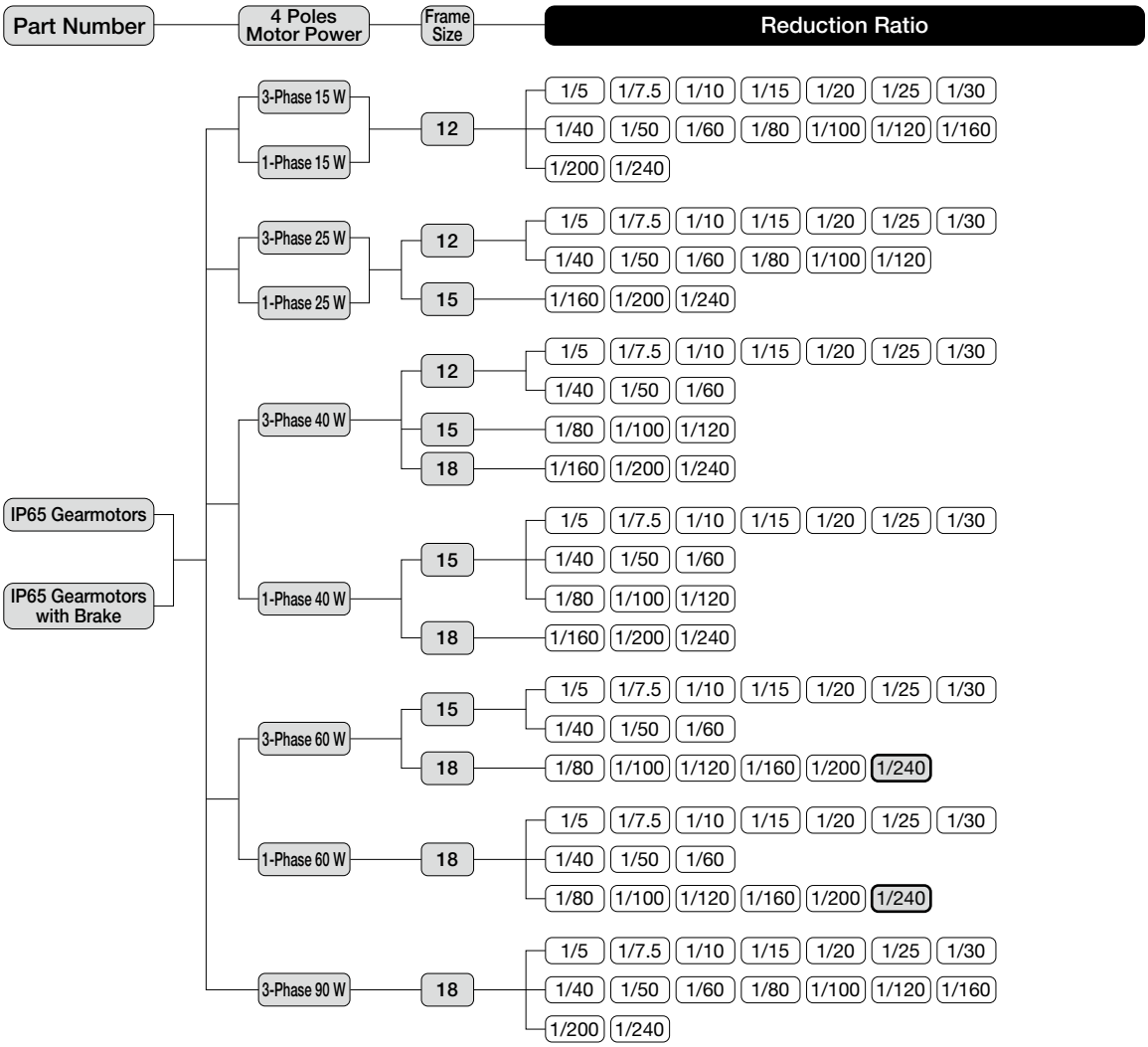
Note 2: ▭ indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.

G3 Type Gearmotors/Gearmotors with Brake MID Series



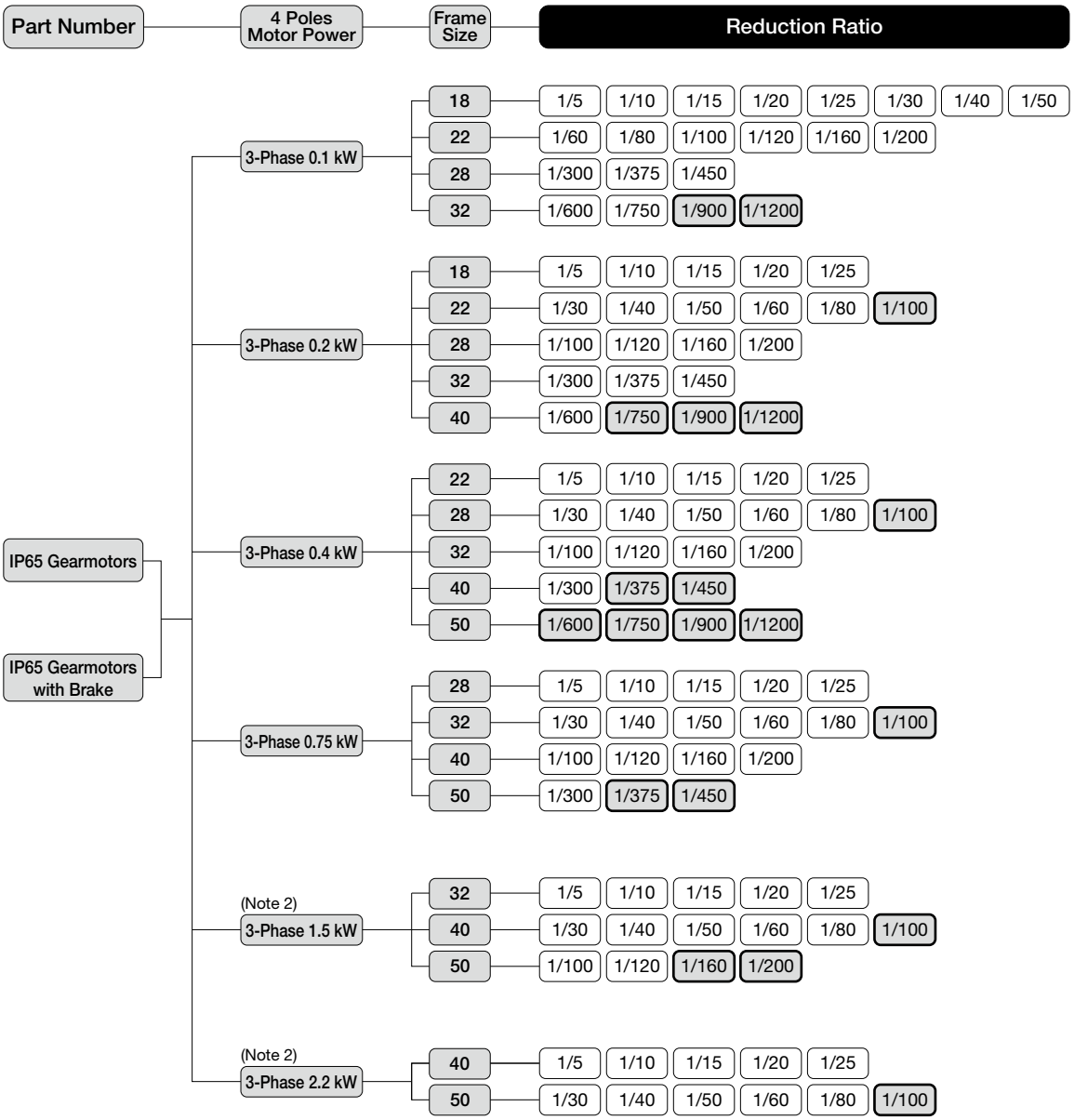
Note 1: The G3 Type is available in three types: Foot mount, Flange mount, and Small flange mount.
Please note that mounting type G3K is available only for frame sizes 18 to 32.
Note 2: ▭ indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.

G Type IP65 Gearmotors/IP65 Gearmotors with Brake MINI Series



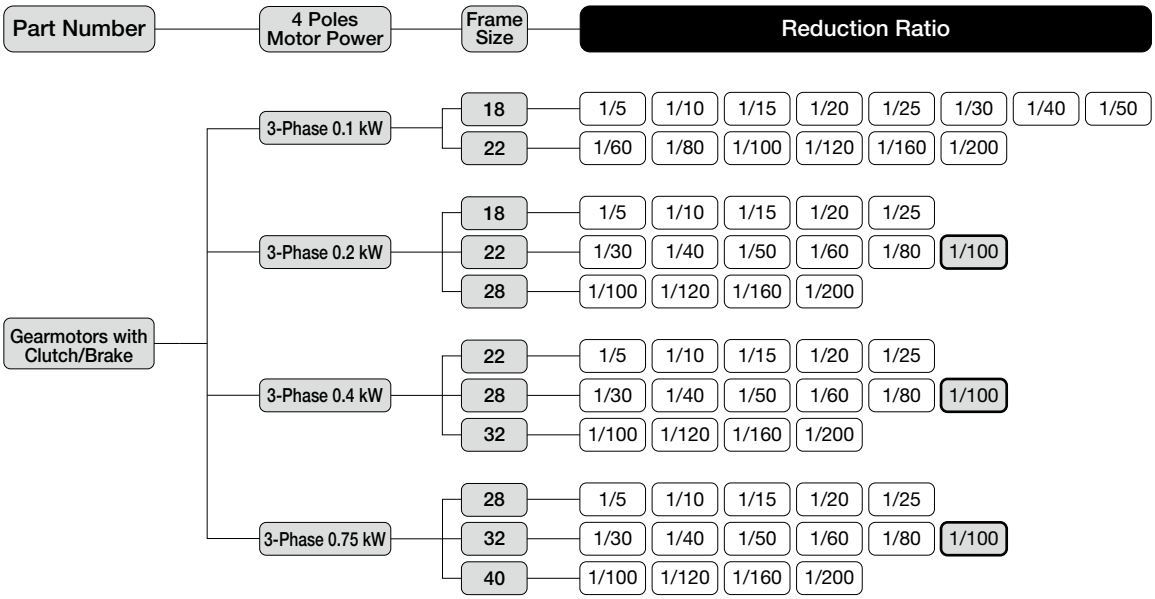
Note 1: Single-phase types are not available.
Note 2: ⬭ indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.

G3 Type IP65 Gearmotors/IP65 Gearmotors with Brake MID Series



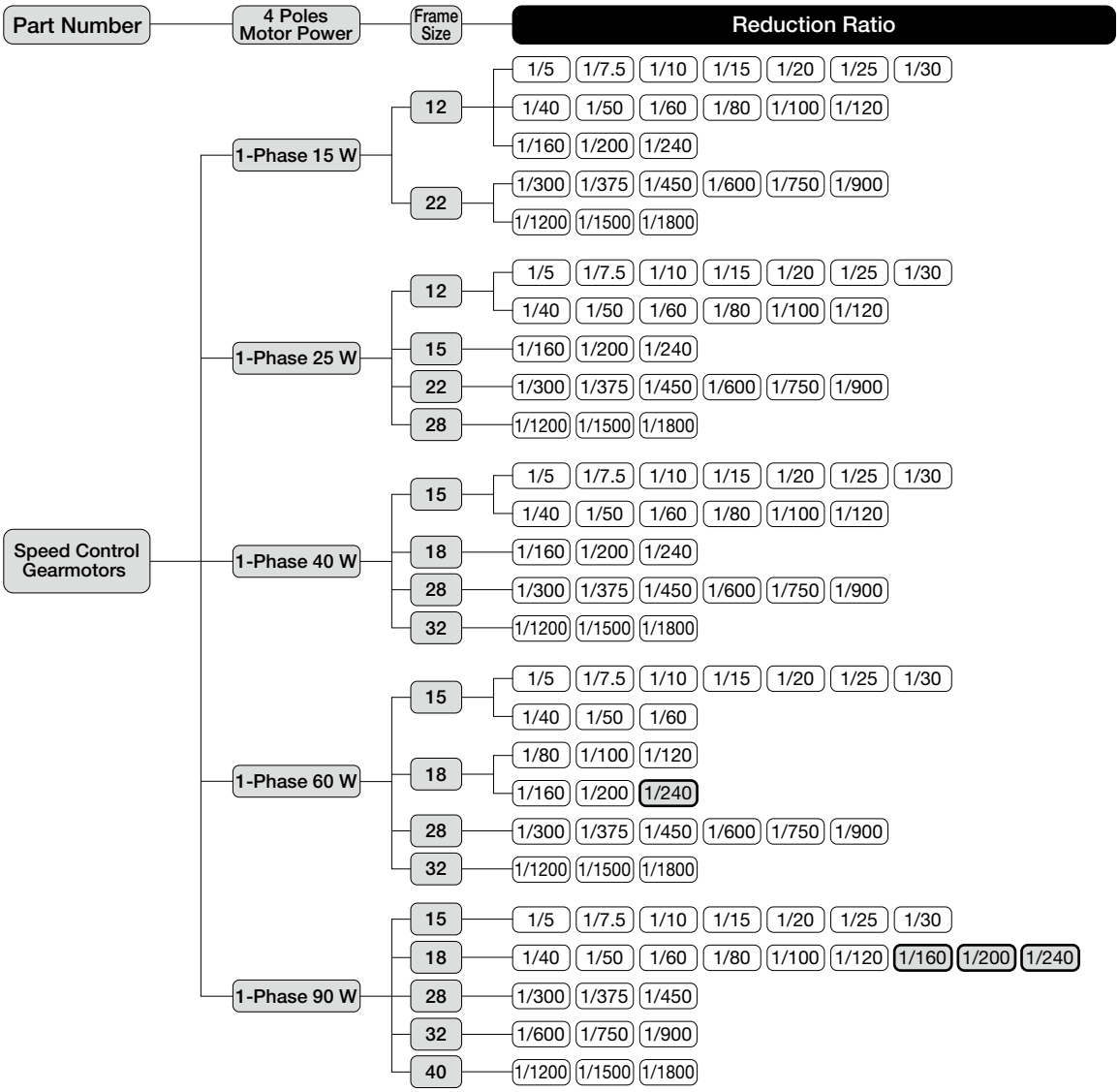
Note 1: The G3 Type is available in three types: Foot mount, Flange mount, and Small flange mount.
Please note that mounting type G3K is available only for frame sizes 18 to 32.
Note 2: IP65 gearmotors with a brake are not available with motor powers of 1.5 kW and 2.2 kW.
Note 3: ▭ indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.

G3 Type Gearmotors with Clutch/Brake MID Series



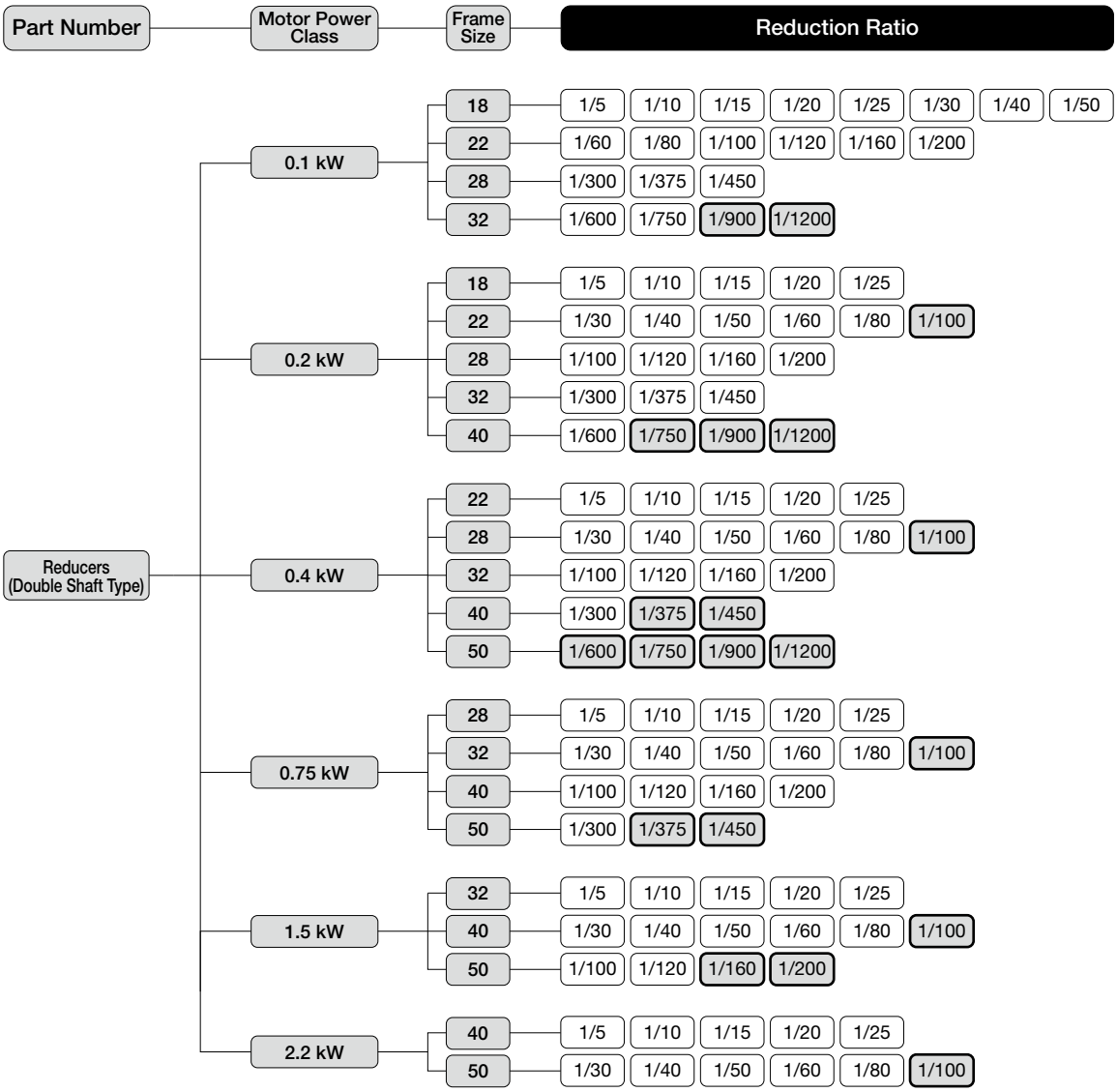
Note 1: The G3 Type is available in three types: Foot mount, Flange mount, and Small flange mount.
Please note that mounting type G3K is available only for frame sizes 18 to 32.
Note 2: ▭ indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.

G Type Speed Control Gearmotors MINI Series



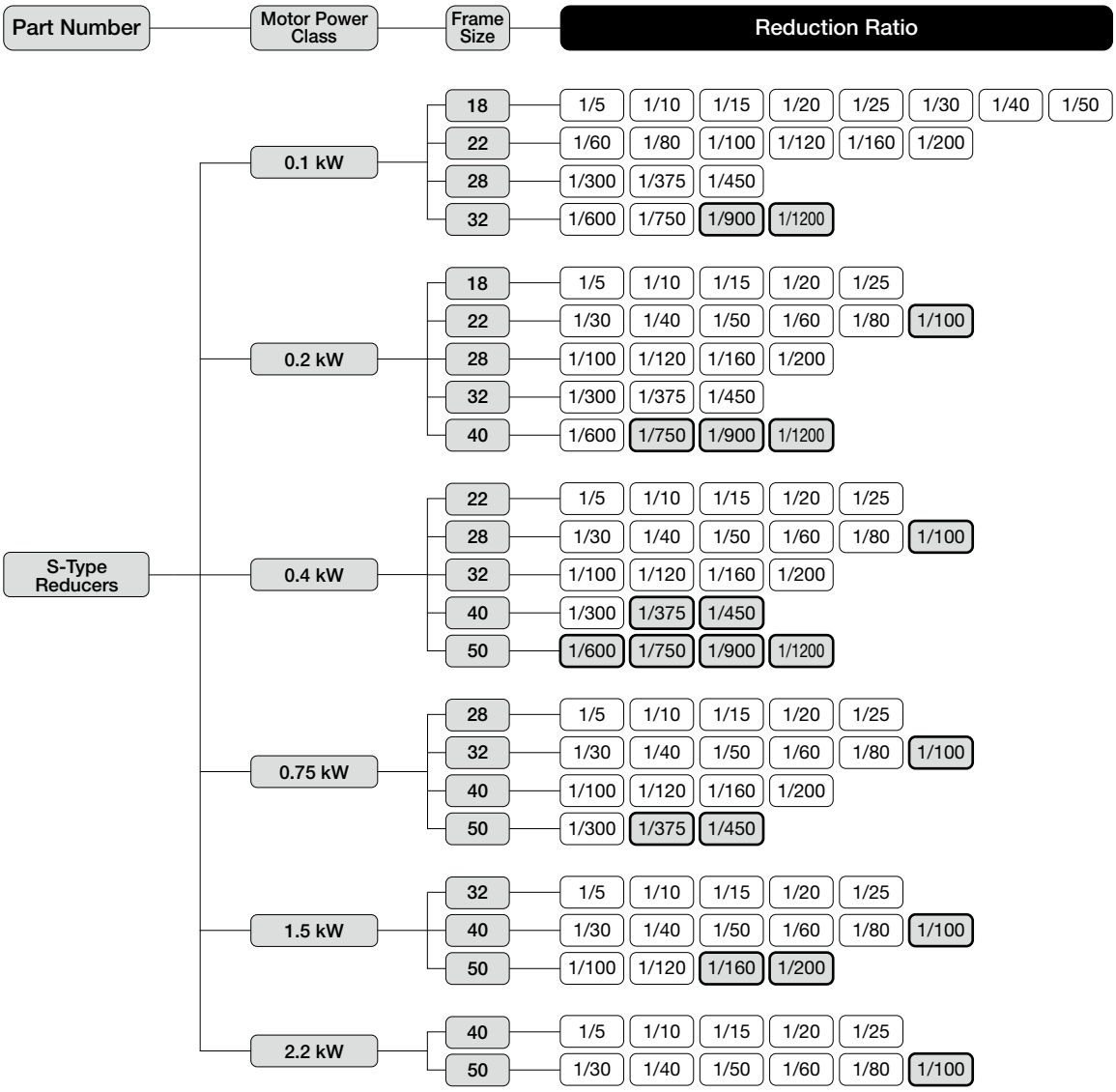
Note 1: Please note that mounting type GK is available only for frame sizes 22 to 32.
Note 2: ⬭ indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.

G3 Type Reducers (Double Shaft Type) MID Series



Note 1: The G3 Type is available in three types: Foot mount, Flange mount, and Small flange mount.
Please note that mounting type G3K is available only for frame sizes 18 to 32.
Note 2: ▭ indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.

G3 Type S-Type Reducers MID Series



Note 1: The G3 Type is available in three types: Foot mount, Flange mount, and Small flange mount.
Please note that mounting type G3K is available only for frame sizes 18 to 32.
Note 2: ▭ indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.

MEMO

1. Gearmotors Gearmotors with Brake

1-1. Motor Characteristics Table

G Type 3-Phase Standard Voltage

Series	Power (W)	Voltage (V)	Frequency (Hz)	Frame Size	Rated Current (A)	Rated Speed (r/min)	Startup Current (A)
MINI	15	200/200/220	50/60/60	12	0.14/0.13/0.13	1350/1550/1600	0.30/0.28/0.31
				22	0.14/0.13/0.13	1350/1550/1600	0.30/0.28/0.31
	25	200/200/220	50/60/60	12	0.21/0.19/0.19	1350/1550/1600	0.44/0.42/0.46
				15	0.18/0.17/0.17	1350/1550/1600	0.43/0.41/0.46
				22	0.21/0.19/0.19	1350/1550/1600	0.44/0.42/0.46
				28	0.18/0.17/0.17	1350/1550/1600	0.43/0.41/0.46
	40	200/200/220	50/60/60	12	0.29/0.27/0.27	1350/1550/1600	0.67/0.62/0.68
				15	0.27/0.26/0.26	1350/1550/1550	0.73/0.69/0.76
				18	0.21/0.21/0.21	1350/1550/1600	0.66/0.64/0.70
				22	0.29/0.27/0.27	1350/1550/1600	0.67/0.62/0.68
				28	0.27/0.26/0.26	1350/1550/1550	0.73/0.69/0.76
				32	0.27/0.26/0.26	1350/1550/1550	0.73/0.69/0.76
	60	200/200/220	50/60/60	12	0.42/0.39/0.39	1350/1550/1550	0.94/0.86/1.00
				15	0.40/0.36/0.36	1350/1550/1600	1.04/0.97/1.07
				18	0.33/0.33/0.33	1350/1550/1600	1.06/1.01/1.11
				22	0.42/0.39/0.39	1350/1550/1550	0.94/0.86/1.00
				28	0.40/0.36/0.36	1350/1550/1600	1.04/0.97/1.07
				32	0.40/0.36/0.36	1350/1550/1600	1.04/0.97/1.07
	90	200/200/220	50/60/60	15	0.51/0.48/0.48	1350/1550/1550	1.42/1.36/1.49
				18	0.47/0.47/0.47	1350/1550/1600	1.59/1.51/1.66
				28	0.51/0.48/0.48	1350/1550/1550	1.42/1.36/1.49
				32	0.51/0.48/0.48	1350/1550/1550	1.42/1.36/1.49
				40	0.47/0.47/0.47	1350/1550/1600	1.59/1.51/1.66

G Type 3-Phase High Voltage (400 V Class)

Series	Power (W)	Voltage (V)	Frequency (Hz)	Frame Size	Rated Current (A)	Rated Speed (r/min)	Startup Current (A)
MINI	15	380/400/400/440	50/50/60/60	12	0.11/0.12/0.10/0.11	1400/1400/1700/1700	0.26/0.28/0.26/0.29
				22	0.11/0.12/0.10/0.11	1400/1400/1700/1700	0.26/0.28/0.26/0.29
	25	380/400/400/440	50/50/60/60	12	0.11/0.12/0.11/0.12	1350/1400/1600/1650	0.26/0.28/0.26/0.29
				15	0.09/0.09/0.09/0.09	1300/1350/1550/1600	0.20/0.21/0.20/0.22
				22	0.11/0.12/0.11/0.12	1350/1400/1600/1650	0.26/0.28/0.26/0.29
				28	0.09/0.09/0.09/0.09	1300/1350/1550/1600	0.20/0.21/0.20/0.22
	40	380/400/400/440	50/50/60/60	12	0.14/0.14/0.14/0.14	1300/1350/1550/1600	0.30/0.32/0.30/0.33
				15	0.13/0.14/0.13/0.14	1300/1350/1550/1600	0.33/0.35/0.33/0.37
				18	0.10/0.10/0.10/0.10	1350/1400/1600/1650	0.31/0.34/0.32/0.35
				22	0.14/0.14/0.14/0.14	1300/1350/1550/1600	0.30/0.32/0.30/0.33
				28	0.13/0.14/0.13/0.14	1300/1350/1550/1600	0.33/0.35/0.33/0.37
				32	0.13/0.14/0.13/0.14	1300/1350/1550/1600	0.33/0.35/0.33/0.37
	60	380/400/400/440	50/50/60/60	15	0.17/0.17/0.17/0.17	1300/1350/1550/1600	0.43/0.45/0.43/0.47
				18	0.16/0.16/0.16/0.16	1350/1400/1600/1650	0.48/0.51/0.49/0.54
				22	0.20/0.20/0.20/0.20	1250/1300/1500/1550	0.38/0.40/0.38/0.41
				28	0.17/0.17/0.17/0.17	1300/1350/1550/1600	0.43/0.45/0.43/0.47
				32	0.17/0.17/0.17/0.17	1300/1350/1550/1600	0.43/0.45/0.43/0.47
	90	380/400/400/440	50/50/60/60	15	0.26/0.26/0.26/0.26	1300/1350/1550/1600	0.70/0.74/0.69/0.77
				18	0.23/0.23/0.24/0.24	1350/1350/1600/1650	0.73/0.78/0.74/0.81
				28	0.26/0.26/0.26/0.26	1300/1350/1550/1600	0.70/0.74/0.69/0.77
				32	0.26/0.26/0.26/0.26	1300/1350/1550/1600	0.70/0.74/0.69/0.77
				40	0.23/0.23/0.24/0.24	1350/1350/1600/1650	0.73/0.78/0.74/0.81

The rated current in the motor characteristics table is the current data for the motor operating without a gearbox.
With regard to gearmotors with a brake, it is necessary to consider the current value flowing through the brake as needed.
For more details, please contact your nearest Sales Office or the CS Center.

G Type 1-Phase Standard Voltage

Series	Power (W)	Voltage (V)	Frequency (Hz)	Frame Size	Rated Current (A)	Rated Speed (r/min)	Startup Current (A)	Capacitor (μF)
MINI	15	100/100	50/60	12	0.39/0.35	1350/1650	0.72/0.67	5
				22	0.39/0.35	1350/1650	0.72/0.67	5
	25	100/100	50/60	12	0.48/0.48	1350/1600	0.86/0.80	7
				15	0.44/0.45	1350/1650	1.00/0.92	7
				22	0.48/0.48	1350/1600	0.86/0.80	7
				28	0.44/0.45	1350/1650	1.00/0.92	7
	40	100/100	50/60	12	0.67/0.80	1400/1650	1.26/1.23	12
				15	0.61/0.66	1350/1650	1.43/1.36	10
				18	0.63/0.64	1400/1650	2.16/2.00	10
				22	0.67/0.80	1400/1650	1.26/1.23	12
				28	0.61/0.66	1350/1650	1.43/1.36	10
				32	0.61/0.66	1350/1650	1.43/1.36	10
	60	100/100	50/60	15	0.90/1.00	1350/1600	2.11/1.98	15
				18	0.90/1.00	1400/1650	2.55/2.37	15
				22	0.90/1.10	1300/1500	1.33/1.34	15
				28	0.90/1.00	1350/1600	2.11/1.98	15
				32	0.90/1.00	1350/1600	2.11/1.98	15
	90	100/100	50/60	15	1.30/1.40	1350/1600	2.89/2.68	20
				18	1.20/1.40	1350/1600	3.27/3.04	20
				28	1.30/1.40	1350/1600	2.89/2.68	20
				32	1.30/1.40	1350/1600	2.89/2.68	20
				40	1.20/1.40	1350/1600	3.27/3.04	20

G Type 1-Phase High Voltage (200 V Class)

Series	Power (W)	Voltage (V)	Frequency (Hz)	Frame Size	Rated Current (A)	Rated Speed (r/min)	Startup Current (A)	Capacitor (μF)
MINI	15	200/200	50/60	12	0.21/0.19	1350/1650	0.35/0.33	1.2
				22	0.21/0.19	1350/1650	0.35/0.33	1.2
	25	200/200	50/60	12	0.26/0.25	1350/1600	0.47/0.44	1.7
				15	0.23/0.24	1350/1650	0.46/0.45	1.7
				22	0.26/0.25	1350/1600	0.47/0.44	1.7
				28	0.23/0.24	1350/1650	0.46/0.45	1.7
	40	200/200	50/60	12	0.34/0.33	1350/1600	0.66/0.60	2.5
				15	0.29/0.34	1350/1600	0.64/0.61	2.5
				18	0.31/0.32	1400/1650	0.98/0.92	2.5
				22	0.34/0.33	1350/1600	0.66/0.60	2.5
				28	0.29/0.34	1350/1600	0.64/0.61	2.5
				32	0.29/0.34	1350/1600	0.64/0.61	2.5
	60	200/200	50/60	15	0.45/0.48	1350/1600	1.06/1.00	3.5
				18	0.42/0.45	1400/1650	1.29/1.22	3.5
				22	0.43/0.50	1300/1500	0.67/0.64	3.5
				28	0.45/0.48	1350/1600	1.06/1.00	3.5
				32	0.45/0.48	1350/1600	1.06/1.00	3.5
	90	200/200	50/60	15	0.65/0.66	1350/1600	1.44/1.35	5
				18	0.59/0.65	1400/1650	1.67/1.58	5
				28	0.65/0.66	1350/1600	1.44/1.35	5
				32	0.65/0.66	1350/1600	1.44/1.35	5
				40	0.59/0.65	1400/1650	1.67/1.58	5

The rated current in the motor characteristics table is the current data for the motor operating without a gearbox.
With regard to gearmotors with a brake, it is necessary to consider the current value flowing through the brake as needed.
For more details, please contact your nearest Sales Office or the CS Center.

G Type 3-Phase Standard Voltage/High Voltage (400 V Class)/Special Voltage

Series	Power	Power Supply/ Certification Codes	Voltage (V)	Frequency (Hz)	Rated Current (A)	Startup Current (A)	Rated Speed (r/min)
MID	0.1 kW	NN	200/200/220	50/60/60	0.61/0.54/0.54	2.39/2.27/2.52	1410/1690/1710
		WN	380/400/400/440	50/50/60/60	0.31/0.31/0.28/0.28	1.12/1.18/1.12/1.22	1400/1410/1690/1720
		KN	220/380	60/60	0.52/0.30	1.90/1.10	1680/1680
		CN	220/230/380	50/50/50	0.55/0.54/0.31	1.94/2.03/1.12	1400/1410/1400
		AN	208/230/460/400	60/60/60/50	0.54/0.57/0.29/0.31	2.35/2.62/1.26/1.21	1690/1730/1730/1410
		EN	415/440/480	50/50/60	0.30/0.29/0.26	1.06/1.12/1.17	1390/1420/1720
		MA	575	60	0.20	0.87	1700
	0.2 kW IE2	NN	200/200/220	50/60/60	1.1/1.0/1.0	4.70/4.35/4.85	1400/1680/1700
		WN	380/400/400/440	50/50/60/60	0.56/0.56/0.50/0.50	2.29/2.38/2.29/2.48	1390/1400/1680/1710
		KN	220/380	60/60	0.93/0.52	3.70/2.20	1680/1680
		CN	220/230/380	50/50/50	0.99/0.98/0.56	3.97/4.15/2.29	1400/1410/1390
		AN	208/230/460/400	60/60/60/50	1.0/1.0/0.50/0.56	4.78/5.16/2.56/2.44	1680/1720/1720/1400
		EN	415/440/480	50/50/60	0.50/0.50/0.45	1.75/1.86/2.00	1370/1400/1700
		MA	575	60	0.40	1.78	1710
	0.4 kW IE2	NN	200/200/220	50/60/60	2.1/1.8/1.8	9.50/8.60/9.60	1400/1680/1700
		WN	380/400/400/440	50/50/60/60	1.0/1.0/0.9/0.9	4.35/4.65/4.30/4.75	1390/1400/1680/1710
		KN	220/380	60/60	1.7/1.0	7.10/4.00	1670/1670
		CN	220/230/380	50/50/50	1.8/1.8/1.0	7.53/7.88/4.35	1390/1400/1390
		AN	208/230/460/400	60/60/60/50	1.8/1.8/0.9/1.0	8.90/9.76/4.73/4.78	1680/1720/1720/1400
		EN	415/440/480	50/50/60	0.96/0.95/0.82	3.96/4.20/4.20	1390/1410/1680
		MA	575	60	0.68	3.51	1700
	0.75 kW IE3	NN	200/200/220	50/60/60	3.2/3.0/2.9	19.1/16.6/18.6	1440/1720/1740
		WN	380/400/400/440	50/50/60/60	1.65/1.60/1.50/1.40	9.00/9.60/8.30/9.30	1430/1440/1730/1740
		KN	220/380	60/60	2.8/1.6	17.9/10.8	1750/1750
		CN	220/230/380	50/50/50	2.8/2.7/1.65	15.6/16.3/9.00	1430/1440/1430
		AN	208/230/460/400	60/60/60/50	2.9/2.8/1.4/1.6	18.3/19.6/10.2/10.0	1740/1750/1750/1440
		EN	415/440/480	50/50/60	1.50/1.50/1.35	9.1/9.65/9.70	1440/1450/1750
		MA	575	60	1.10	6.60	1750
	1.5 kW IE3	NN	200/200/220	50/60/60	6.4/6.0/5.7	43.5/36.0/40.3	1450/1740/1750
		WN	380/400/400/440	50/50/60/60	3.3/3.2/3.0/2.9	21.7/23.1/18.6/20.7	1440/1450/1740/1750
		KN	220/380	60/60	5.6/3.2	43.2/24.3	1760/1760
		CN	220/230/380	50/50/50	5.6/5.6/3.3	37.6/39.3/21.7	1450/1460/1440
		AN	208/230/460/400	60/60/60/50	5.9/5.7/2.9/3.2	42.3/45.3/23.0/24.3	1750/1760/1760/1450
		EN	415/440/480	50/50/60	3.0/3.0/2.7	19.8/21.0/18.5	1460/1470/1760
		MA	575	60	2.2	15.3	1760
	2.2 kW IE3	NN	200/200/220	50/60/60	8.8/8.4/7.9	58.5/47.0/52.5	1450/1740/1750
		WN	380/400/400/440	50/50/60/60	4.5/4.4/4.2/3.9	30.0/32.0/25.0/28.0	1440/1450/1740/1750
		KN	220/380	60/60	7.8/4.5	56.4/32.3	1760/1760
		CN	220/230/380	50/50/50	7.9/7.7/4.5	52.0/54.3/30.0	1460/1470/1440
		AN	208/230/460/400	60/60/60/50	8.3/7.9/4.0/4.5	60.8/65.2/34.8/36.3	1750/1770/1770/1470
		EN	415/440/480	50/50/60	4.3/4.3/3.8	33.1/35.5/29.8	1460/1470/1770
		MA	575	60	3.3	24.4	1760

The rated current in the motor characteristics table is the current data for the motor operating without a gearbox.
With regard to gearmotors with a brake, it is necessary to consider the current value flowing through the brake as needed.
For more details, please contact your nearest Sales Office or the CS Center.

G3 Type 1-Phase Standard Voltage

Series	Power	Startup Method	Voltage (V)	Frequency (Hz)	Rated Current (A)	Startup Current (A)	Rated Speed (r/min)	Startup Torque (%)	Breakdown Torque (%)
MID	0.1 kW	Capacitor Start	100/100	50/60	2.7/2.4	10.5/10.5	1420/1710	220/204	188/184
	0.2 kW	Capacitor Start	100/100	50/60	5.1/4.5	20.0/20.0	1420/1700	276/294	194/187
	0.4 kW	Capacitor Start	100/100	50/60	8.7/7.9	32.0/32.0	1440/1730	210/205	189/178

The rated current in the motor characteristics table is the current data for the motor operating without a gearbox.
With regard to gearmotors with a brake, it is necessary to consider the current value flowing through the brake as needed.
For more details, please contact your nearest Sales Office or the CS Center.

G3 Type 1-Phase High Voltage (200 V Class)

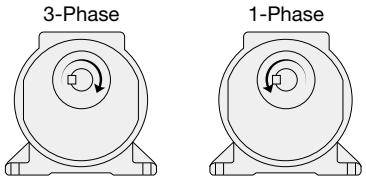
Series	Power	Startup Method	Voltage (V)	Frequency (Hz)	Rated Current (A)	Startup Current (A)	Rated Speed (r/min)	Startup Torque (%)	Breakdown Torque (%)
MID	0.1 kW	Capacitor Start	200/200	50/60	1.3/1.2	5.4/5.4	1420/1710	222/200	194/182
	0.2 kW	Capacitor Start	200/200	50/60	2.5/2.2	10.0/10.0	1420/1700	254/250	203/205
	0.4 kW	Capacitor Start	200/200	50/60	4.3/3.9	19.0/18.9	1440/1730	181/190	240/217

The rated current in the motor characteristics table is the current data for the motor operating without a gearbox.
With regard to gearmotors with a brake, it is necessary to consider the current value flowing through the brake as needed.
For more details, please contact your nearest Sales Office or the CS Center.

1-2. Performance Table

G Type Gearmotors/Gearmotors with Brake

[Notes]
- The output shaft speed is the value relative to the synchronous speed of the motor and the reduction ratio.
- Allowable output shaft O.H.L. is the value at the middle of the output shaft.
- In the performance table, the reduction ratio in ▭ indicates that when the connection is made as shown on page 492 (CW), the direction of rotation is clockwise in the case of a three-phase motor or counterclockwise in the case of a single-phase motor when viewed from the output shaft side. (Refer to the figure on the right)
- The "*" mark indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.



Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min 50 Hz	Output Shaft Speed r/min 60 Hz	Allowable Output Shaft Torque N·m	Allowable Output Shaft O.H.L. N	Drawings Foot Mount	Drawings Flange Mount	Drawings Small Flange Mount
MINI	15 W	12	1/5	1/5	300	360	0.29	98	P.68	P.87	-
			1/7.5	1/7.5	200	240	0.49	196			
			1/10	1/10	150	180	0.69	245			
			1/15	1/15	100	120	0.98	343			
			1/20	1/20	75	90	1.27	441			
			1/25	1/25	60	72	1.67	490			
			1/30	1/29	50	60	1.96	539			
			1/40	1/40	37.5	45	2.65	588			
			1/50	1/50	30	36	3.33	637			
			1/60	1/58	25	30	3.92	686			
			1/80	1/80	18.8	22.5	5.00	735			
			1/100	1/100	15	18	6.27	735			
			1/120	1/120	12.5	15	7.45	784			
			1/160	1/160	9.4	11.2	9.80	784			
			1/200	1/200	7.5	9	12.7	784			
			1/240	1/232	6.3	7.5	14.7	784			
		22	1/300	91/27000	5	6	16.7	1760	P.73	P.92	P.107
			1/375	11/4050	4	4.8	20.6	1760			
			1/450	637/297000	3.3	4	25.5	1760			
			1/600	91/54000	2.5	3	33.3	1760			
			1/750	11/8100	2	2.4	42.1	1760			
			1/900	637/594000	1.7	2	50.0	1760			
			1/1200	91/104400	1.3	1.5	66.6	1760			
			1/1500	11/15660	1	1.2	83.3	1760			
			1/1800	637/1148400	0.8	1	98.0	1760			
	25 W	12	1/5	1/5	300	360	0.59	98	P.68	P.87	-
			1/7.5	1/7.5	200	240	0.78	196			
			1/10	1/10	150	180	1.08	245			
			1/15	1/15	100	120	1.67	343			
			1/20	1/20	75	90	2.25	441			
			1/25	1/25	60	72	2.74	490			
			1/30	1/29	50	60	3.33	539			
			1/40	1/40	37.5	45	4.41	588			
			1/50	1/50	30	36	5.49	637			
			1/60	1/58	25	30	6.66	686			
			1/80	1/80	18.8	22.5	8.43	735			
			1/100	1/100	15	18	10.8	735			
			1/120	1/120	12.5	15	12.7	784			
		15	1/160	1/160	9.4	11.2	16.7	1080	P.69	P.88	-
			1/200	1/200	7.5	9	20.6	1080			
			1/240	1/232	6.3	7.5	25.5	1080			
		22	1/300	91/27000	5	6	28.4	1760	P.73	P.92	P.107
			1/375	11/4050	4	4.8	35.3	1760			
			1/450	637/297000	3.3	4	42.1	1760			
			1/600	91/54000	2.5	3	55.9	1760			
			1/750	11/8100	2	2.4	69.6	1760			
			1/900	637/594000	1.7	2	84.3	1760			
		28	1/1200	221/249690	1.3	1.5	108	2740	P.76	P.95	P.110
			1/1500	187/261870	1	1.2	137	2740			
			1/1800	169/285360	0.8	1	167	2740			

Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft Torque	Allowable Output Shaft O.H.L.	Drawings		
					50 Hz	60 Hz	N·m	N	Foot Mount	Flange Mount	Small Flange Mount
MINI	40 W	12	1/5	1/5	300	360	0.88	98	P.68	P.87	-
			1/7.5	1/7.5	200	240	1.37	196			
			1/10	1/10	150	180	1.76	245			
			1/15	1/15	100	120	2.65	343			
			1/20	1/20	75	90	3.53	441			
			1/25	1/25	60	72	4.41	490			
			1/30	1/29	50	60	5.29	539			
			1/40	1/40	37.5	45	7.06	588			
			1/50	1/50	30	36	8.82	637			
			1/60	1/58	25	30	10.8	686			
		15	1/80	1/80	18.8	22.5	13.7	980	P.69	P.88	-
			1/100	1/100	15	18	16.7	980			
			1/120	1/120	12.5	15	20.6	1080			
		18	1/160	1/160	9.4	11.2	26.5	1370	P.70	P.89	-
			1/200	1/200	7.5	9	33.3	1370			
			1/240	1/240	6.3	7.5	40.2	1370			
		22	1/300	91/27000	5	6	45.1	1760	P.73	P.92	P.107
			1/375	11/4050	4	4.8	55.9	1760			
			1/450	637/297000	3.3	4	67.6	1760			
		28	1/600	221/129150	2.5	3	90.2	2740	P.76	P.95	P.110
			1/750	187/135450	2	2.4	118	2740			
			1/900	169/147600	1.7	2	137	2740			
		32	1/1200	13/14964	1.3	1.5	176	5100	P.79	P.98	P.113
			1/1500	11/15660	1	1.2	225	5100			
			1/1800	13/22446	0.8	1	274	5100			
	60 W	12 (Note 1)	1/5	1/5	300	360	1.37	98	P.68	P.87	-
			1/7.5	1/7.5	200	240	2.06	196			
			1/10	1/10	150	180	2.74	245			
			1/15	1/15	100	120	4.12	343			
			1/20	1/20	75	90	5.49	441			
			1/25	1/25	60	72	6.96	490			
			1/30	1/29	50	60	8.33	539			
		15 (Note 1)	1/5	1/5	300	360	1.37	98	P.69	P.88	-
			1/7.5	1/7.5	200	240	2.06	196			
			1/10	1/10	150	180	2.74	245			
			1/15	1/15	100	120	4.12	343			
			1/20	1/20	75	90	5.49	441			
			1/25	1/25	60	72	6.96	490			
			1/30	1/29	50	60	8.33	539			
		15	1/40	1/40	37.5	45	10.8	784			
			1/50	1/50	30	36	13.7	882			
			1/60	1/58	25	30	16.7	882			
		18	1/80	1/80	18.8	22.5	20.6	1270	P.70	P.89	-
			1/100	1/100	15	18	26.5	1270			
			1/120	1/120	12.5	15	31.4	1370			
			1/160	1/160	9.4	11.2	42.1	1370			
			1/200	1/200	7.5	9	52.9	1370			
			* 1/240	1/240	6.3	7.5	53.9	1370			
		22	1/300	91/27000	5	6	70.6	1760	P.73	P.92	P.107
			1/375	11/4050	4	4.8	88.2	1760			
			1/450	637/297000	3.3	4	108	1760			
		28	1/600	221/129150	2.5	3	137	2740	P.76	P.95	P.110
			1/750	187/135450	2	2.4	176	2740			
			1/900	169/147600	1.7	2	216	2740			
		32	1/1200	13/14964	1.3	1.5	284	5100	P.79	P.98	P.113
			1/1500	11/15660	1	1.2	353	5100			
			1/1800	13/22446	0.8	1	421	5100			

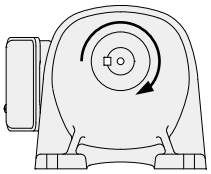
Note 1: Please note that with regard to reduction ratios of 1/5 to 1/30 of 60 W gearmotors, the frame size for Three-phase standard voltages (200 V class) is 12, but the frame size for Three-phase high voltage (400 V class) and Single-phase voltages is 15.

Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft Torque	Allowable Output Shaft O.H.L.	Drawings		
					50 Hz	60 Hz	N·m	N	Foot Mount	Flange Mount	Small Flange Mount
MINI	90 W	15	1/5	1/5	300	360	2.06	147	P.69	P.88	-
			1/7.5	1/7.5	200	240	3.14	245			
			1/10	1/10	150	180	4.12	343			
			1/15	1/15	100	120	6.17	441			
			1/20	1/20	75	90	8.33	539			
			1/25	1/25	60	72	10.8	588			
			1/30	1/29	50	60	12.7	686			
		18	1/40	1/40	37.5	45	16.7	1080	P.70	P.89	-
			1/50	1/50	30	36	20.6	1180			
			1/60	1/60	25	30	24.5	1180			
			1/80	1/80	18.8	22.5	31.4	1270			
			1/100	1/100	15	18	39.2	1270			
			1/120	1/120	12.5	15	47.0	1370			
			* 1/160	1/160	9.4	11.2	53.9	1370			
			* 1/200	1/200	7.5	9	53.9	1370			
			* 1/240	1/240	6.3	7.5	53.9	1370			
		28	1/300	221/64575	5	6	108	2740	P.76	P.95	P.110
			1/375	187/67725	4	4.8	137	2740			
			1/450	169/73800	3.3	4	157	2740			
		32	1/600	13/7740	2.5	3	216	5100	P.79	P.98	P.113
			1/750	11/8100	2	2.4	265	5100			
			1/900	13/11610	1.7	2	314	5100			
		40	1/1200	13/14964	1.3	1.5	421	7060	P.82	P.101	-
			1/1500	11/15660	1	1.2	529	7060			
			1/1800	13/22443	0.8	1	637	7060			

Note 1: Please be sure to read the notes on page 60.

G3 Type Gearmotors/Gearmotors with Brake

[Notes]
- The output shaft speed is the value relative to the synchronous speed of the motor and the reduction ratio.
- ▭ in the performance table indicates that the shaft rotates clockwise when viewed from the output shaft side when the connection is made as shown on page 493 (CW). (Refer to the figure on the right)
- Allowable output shaft O.H.L. is the value at the middle of the output shaft.
- The "*" mark indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.



Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft Torque N·m		Allowable Output Shaft O.H.L.	Drawings		
					50 Hz	60 Hz	50 Hz	60 Hz	N	Foot Mount	Flange Mount	Small Flange Mount
MID	3-Phase 0.1 kW	18	1/5	33/164	300	360	3	2.5	770	P.71	P.90	P.105
			1/10	77/779	150	180	6.1	5	1140			
			1/15	119/1804	100	120	9.1	7.5	1270			
			1/20	49/984	75	90	12	9.8	1530			
			1/25	28/697	60	72	15	12.7	1650			
			1/30	35/1066	50	60	19	14.7	1780			
			1/40	35/1404	37.5	45	24	19.6	1910			
			1/50	7/351	30	36	29	24.5	2040			
		22	1/60	11/684	25	30	35	29.4	2800	P.74	P.93	P.108
			1/80	21/1634	18.8	22.5	47	39.2	3180			
			1/100	7/684	15	18	59	49	3180			
			1/120	147/17974	12.5	15	71	58.8	3180			
			1/160	21/3268	9.4	11.2	94	78.4	3180			
			1/200	21/4085	7.5	9	117	98	3180			
		28	1/300	221/65190	5	6	157	130	3430	P.77	P.96	P.111
			1/375	187/68370	4	4.8	196	163	3430			
			1/450	1183/521520	3.3	4	235	196	3430			
		32	1/600	147/88192	2.5	3	313	261	5880	P.80	P.99	P.114
			1/750	49/36464	2	2.4	391	326	5880			
			* 1/900	62/57063	1.7	2	431	391	5880			
			* 1/1200	46/55195	1.3	1.5	431	431	5880			
	3-Phase 0.2 kW	18	1/5	33/164	300	360	6.1	5	770	P.71	P.90	P.105
			1/10	77/779	150	180	11.8	9.8	1140			
			1/15	119/1804	100	120	18.6	14.7	1270			
			1/20	49/984	75	90	24.5	20.6	1450			
			1/25	28/697	60	72	30.4	25.5	1550			
		22	1/30	7/216	50	60	36.3	30.4	2280	P.74	P.93	P.108
			1/40	91/3600	37.5	45	47	39.2	2410			
			1/50	11/540	30	36	58.8	49	2540			
			1/60	637/39600	25	30	70.6	58.8	2800			
			1/80	91/7200	18.8	22.5	94.1	78.4	3000			
			* 1/100	11/1080	15	18	97	80.4	3180			
		28	1/100	13/1353	15	18	117	98	3690	P.77	P.96	P.111
			1/120	91/11000	12.5	15	140	117	4320			
			1/160	1/165	9.4	11.2	187	156	4450			
			1/200	7/1375	7.5	9	234	195	4450			
		32	1/300	91/27348	5	6	313	261	5880	P.80	P.99	P.114
			1/375	77/28620	4	4.8	391	326	5880			
			1/450	91/41022	3.3	4	431	391	5880			
		40	1/600	9/5300	2.5	3	626	521	7060	P.83	P.102	-
			* 1/750	62/46427	2	2.4	764	653	7060			
			* 1/900	23/21259	1.7	2	764	764	7060			
			* 1/1200	9/10600	1.3	1.5	764	764	7060			

Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft Torque N·m		Allowable Output Shaft O.H.L.	Drawings		
					50 Hz	60 Hz	50 Hz	60 Hz	N	Foot Mount	Flange Mount	Small Flange Mount
MID	3-Phase 0.4 kW	22	1/5	7/34	300	360	12	10	1140	P.74	P.93	P.108
			1/10	7/68	150	180	25	21	1530			
			1/15	49/748	100	120	36	30	1780			
			1/20	7/136	75	90	48	40	1910			
			1/25	7/170	60	72	61	50	2050			
		28	1/30	1/30	50	60	73	61	3310	P.77	P.96	P.111
			1/40	221/8610	37.5	45	94	78	3690			
			1/50	187/9030	30	36	117	98	4080			
			1/60	169/9840	25	30	140	117	4450			
			1/80	65/5166	18.8	22.5	187	156	4450			
			* 1/100	55/5418	15	18	193	161	4450			
		32	1/100	7/688	15	18	234	195	6370	P.80	P.99	P.114
			1/120	77/9360	12.5	15	281	234	7640			
			1/160	21/3328	9.4	11.2	374	313	7640			
			1/200	189/38272	7.5	9	431	390	7640			
		40	1/300	7/2160	5	6	626	521	7060	P.83	P.102	-
			* 1/375	77/29328	4	4.8	764	653	7060			
			* 1/450	49/21600	3.3	4	764	764	7060			
		50	* 1/600	57/35360	2.5	3	1225	1044	9800	P.85	P.104	-
			* 1/750	25/19448	2	2.4	1225	1225	9800			
			* 1/900	5/4338	1.7	2	1225	1225	9800			
			* 1/1200	33/40664	1.3	1.5	1225	1225	9800			

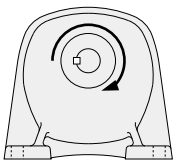
Note 1: Please be sure to read the notes on page 63.

Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft Torque N·m		Allowable Output Shaft O.H.L.	Drawings		
					50 Hz	60 Hz	50 Hz	60 Hz	N	Foot Mount	Flange Mount	Small Flange Mount
MID	3-Phase 0.75 kW	28	1/5	91/459	300	360	23	19	1650	P.77	P.96	P.111
			1/10	1/10	150	180	45	38	2280			
			1/15	91/1360	100	120	68	57	2800			
			1/20	5/102	75	90	91	75	3050			
			1/25	7/170	60	72	114	94	3180			
		32	1/30	3/92	50	60	136	114	5220	P.80	P.99	P.114
			1/40	13/516	37.5	45	175	146	5470			
			1/50	11/540	30	36	220	183	5780			
			1/60	13/774	25	30	264	220	6080			
			1/80	13/1032	18.8	22.5	351	293	6180			
			* 1/100	11/1080	15	18	362	302	6770			
		40	1/100	91/9000	15	18	439	366	9170	P.83	P.102	-
			1/120	77/9400	12.5	15	527	439	9170			
			1/160	9/1400	9.4	11.2	703	585	9170			
			1/200	9/1750	7.5	9	764	732	9170			
		50	1/300	211/62013	5	6	1176	978	9800	P.85	P.104	-
			* 1/375	94/36103	4	4.8	1225	1225	9800			
			* 1/450	65/29167	3.3	4	1225	1225	9800			
	3-Phase 1.5 kW	32	1/5	1/5	300	360	45	38	2280	P.80	P.99	P.114
			1/10	1/10	150	180	91	75	3180			
			1/15	1/15	100	120	136	114	3690			
			1/20	1/20	75	90	181	151	4190			
			1/25	9/230	60	72	226	189	4410			
		40	1/30	1/30	50	60	272	226	6600	P.83	P.102	-
			1/40	13/540	37.5	45	351	293	6960			
			1/50	11/564	30	36	439	366	6960			
			1/60	91/5400	25	30	527	439	7210			
			1/80	13/1080	18.8	22.5	703	585	7400			
			* 1/100	11/1128	15	18	724	603	7400			
		50	1/100	25/2618	15	18	878	732	12500	P.85	P.104	-
			1/120	77/8993	12.5	15	1060	878	12500			
			* 1/160	33/5474	9.4	11.2	1230	1170	12500			
			* 1/200	30/5831	7.5	9	1230	1230	12500			
	3-Phase 2.2 kW	40	1/5	7/36	300	360	67	56	2800	P.83	P.102	-
			1/10	7/72	150	180	133	111	4080			
			1/15	49/720	100	120	200	167	4580			
			1/20	7/144	75	90	266	221	5220			
			1/25	7/180	60	72	332	277	6110			
		50	1/30	5/154	50	60	399	332	9040	P.85	P.104	-
			1/40	399/15488	37.5	45	515	429	9420			
			1/50	399/20240	30	36	644	537	10000			
			1/60	49/2904	25	30	773	644	10000			
			1/80	49/3795	18.8	22.5	1029	858	10100			
			* 1/100	21/2116	15	18	1230	1080	10100			

Note 1: Please be sure to read the notes on page 63.

G3 Type Gearmotors/Gearmotors with Brake

[Notes]
- The output shaft speed is the value relative to the synchronous speed of the motor and the reduction ratio.
- ☐ in the performance table indicates that the shaft rotates clockwise when viewed from the output shaft side when the connection is made as shown on page 494 (CW). (Refer to the figure on the right)
- Allowable output shaft O.H.L. is the value at the middle of the output shaft.
- The "*" mark indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.



Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft Torque N·m		Allowable Output Shaft O.H.L. N	Drawings		
					50 Hz	60 Hz	50 Hz	60 Hz		Foot Mount	Flange Mount	Small Flange Mount
MID	1-Phase 0.1 kW	18	1/5	33/164	300	360	3	2.5	770	P.72	P.91	P.106
			1/10	77/779	150	180	6.1	5	1140			
			1/15	119/1804	100	120	9.1	7.5	1270			
			1/20	49/984	75	90	12	9.8	1530			
			1/25	28/697	60	72	15	12.7	1650			
			1/30	35/1066	50	60	19	14.7	1780			
			1/40	35/1404	37.5	45	24	19.6	1910			
			1/50	7/351	30	36	29	24.5	2040			
		22	1/60	11/684	25	30	35	29.4	2800	P.75	P.94	P.109
			1/80	21/1634	18.8	22.5	47	39.2	3180			
			1/100	7/684	15	18	59	49	3180			
			1/120	147/17974	12.5	15	71	58.8	3180			
			1/160	21/3268	9.4	11.2	94	78.4	3180			
			1/200	21/4085	7.5	9	117	98	3180			
		28	1/300	221/65190	5	6	157	130	3430	P.78	P.97	P.112
			1/375	187/68370	4	4.8	196	163	3430			
			1/450	1183/521520	3.3	4	235	196	3430			
		32	1/600	147/88192	2.5	3	313	261	5880	P.81	P.100	P.115
			1/750	49/36464	2	2.4	391	326	5880			
			* 1/900	62/57063	1.7	2	431	391	5880			
			* 1/1200	46/55195	1.3	1.5	431	431	5880			
	1-Phase 0.2 kW	18	1/5	33/164	300	360	6.1	5	770	P.72	P.91	P.106
			1/10	77/779	150	180	11.8	9.8	1140			
			1/15	119/1804	100	120	18.6	14.7	1270			
			1/20	49/984	75	90	24.5	20.6	1450			
			1/25	28/697	60	72	30.4	25.5	1550			
		22	1/30	7/216	50	60	36.3	30.4	2280	P.75	P.94	P.109
			1/40	91/3600	37.5	45	47	39.2	2410			
			1/50	11/540	30	36	58.8	49	2540			
			1/60	637/39600	25	30	70.6	58.8	2800			
			1/80	91/7200	18.8	22.5	94.1	78.4	3000			
			* 1/100	11/1080	15	18	97	80.4	3180			
		28	1/100	13/1353	15	18	117	98	3690	P.78	P.97	P.112
			1/120	91/11000	12.5	15	140	117	4320			
			1/160	1/165	9.4	11.2	187	156	4450			
			1/200	7/1375	7.5	9	234	195	4450			
		32	1/300	91/27348	5	6	313	261	5880	P.81	P.100	P.115
			1/375	77/28620	4	4.8	391	326	5880			
			1/450	91/41022	3.3	4	431	391	5880			
		40	1/600	9/5300	2.5	3	626	521	7060	P.84	P.103	-
			* 1/750	62/46427	2	2.4	764	653	7060			
			* 1/900	23/21259	1.7	2	764	764	7060			
			* 1/1200	9/10600	1.3	1.5	764	764	7060			

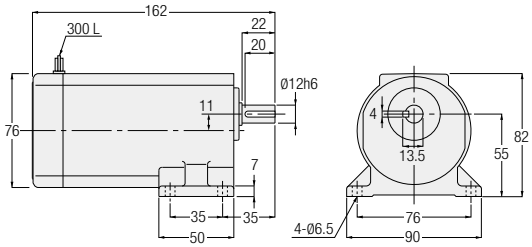
Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft Torque N·m		Allowable Output Shaft O.H.L. N	Drawings		
					50 Hz	60 Hz	50 Hz	60 Hz		Foot Mount	Flange Mount	Small Flange Mount
MID	1-Phase 0.4 kW	22	1/5	7/34	300	360	12	10	1140	P.75	P.94	P.109
			1/10	7/68	150	180	25	21	1530			
			1/15	49/748	100	120	36	30	1780			
			1/20	7/136	75	90	48	40	1910			
			1/25	7/170	60	72	61	50	2050			
		28	1/30	1/30	50	60	73	61	3310	P.78	P.97	P.112
			1/40	221/8610	37.5	45	94	78	3690			
			1/50	187/9030	30	36	117	98	4080			
			1/60	169/9840	25	30	140	117	4450			
			1/80	65/5166	18.8	22.5	187	156	4450			
			* 1/100	55/5418	15	18	193	161	4450			
		32	1/100	7/688	15	18	234	195	6370	P.81	P.100	P.115
			1/120	77/9360	12.5	15	281	234	7640			
			1/160	21/3328	9.4	11.2	374	313	7640			
			1/200	189/38272	7.5	9	431	390	7640			
		40	1/300	7/2160	5	6	626	521	7060	P.84	P.103	-
			* 1/375	77/29328	4	4.8	764	653	7060			
			* 1/450	49/21600	3.3	4	764	764	7060			
		50	* 1/600	57/35360	2.5	3	1225	1044	9800	P.86	P.105	-
			* 1/750	25/19448	2	2.4	1225	1225	9800			
			* 1/900	5/4338	1.7	2	1225	1225	9800			
			* 1/1200	33/40664	1.3	1.5	1225	1225	9800			

1-3. Drawings

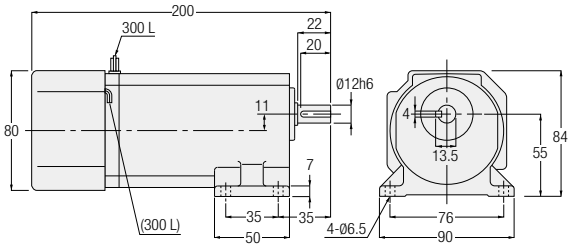
G Type Parallel Shaft | Shaft Diameter **12** | **Foot** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



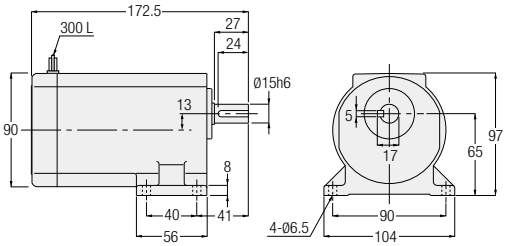
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	15 W	GLM-12-✱✱✱-T15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	No	2
		GLM-12-✱✱✱-T15W				
		GLMN-12-✱✱✱-T15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	2	Yes	2
		GLMN-12-✱✱✱-T15W				
	25 W	GLM-12-✱✱✱-T25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	1	No	2
		GLM-12-✱✱✱-T25W				
		GLMN-12-✱✱✱-T25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	2	Yes	2
		GLMN-12-✱✱✱-T25W				
	40 W	GLM-12-✱✱✱-T40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	1	No	2
		GLM-12-✱✱✱-T40W		2		
		GLMN-12-✱✱✱-T40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	2	Yes	2
		GLMN-12-✱✱✱-T40W				
	60 W	GLM-12-✱✱✱-T60	5, 7.5, 10, 15, 20, 25, 30	2	No	2
		GLMN-12-✱✱✱-T60			Yes	
1-Phase	15 W	GLM-12-✱✱✱-S15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	No	2
		GLM-12-✱✱✱-S15W				
		GLMN-12-✱✱✱-S15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	2	Yes	2
		GLMN-12-✱✱✱-S15W				
	25 W	GLM-12-✱✱✱-S25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	1	No	2
		GLM-12-✱✱✱-S25W				
		GLMN-12-✱✱✱-S25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	2	Yes	2
		GLMN-12-✱✱✱-S25W				
	40 W	GLM-12-✱✱✱-S40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	2	No	2
		GLM-12-✱✱✱-S40W				
		GLMN-12-✱✱✱-S40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	2	Yes	2
		GLMN-12-✱✱✱-S40W				

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 60 for the performance table.

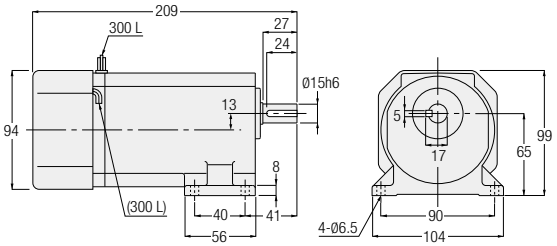
G Type Parallel Shaft | Shaft Diameter **15** | **Foot** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



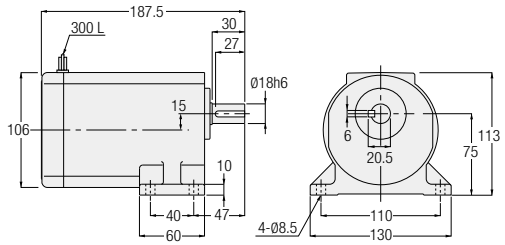
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	25 W	GLM-15-✱✱✱-T25	160, 200, 240	1	No	3
		GLM-15-✱✱✱-T25W				
		GLMN-15-✱✱✱-T25	160, 200, 240	2	Yes	3
		GLMN-15-✱✱✱-T25W				
	40 W	GLM-15-✱✱✱-T40	80, 100, 120	1	No	3
		GLM-15-✱✱✱-T40W				
		GLMN-15-✱✱✱-T40	80, 100, 120	2	Yes	3
		GLMN-15-✱✱✱-T40W				
	60 W	GLM-15-✱✱✱-T60	40, 50, 60	1	No	3
		GLM-15-✱✱✱-T60W	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60			
		GLMN-15-✱✱✱-T60	40, 50, 60	2	Yes	3
		GLMN-15-✱✱✱-T60W	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60			
	90 W	GLM-15-✱✱✱-T90	5, 7.5, 10, 15, 20, 25, 30	1	No	3
		GLM-15-✱✱✱-T90W		2		
		GLMN-15-✱✱✱-T90	5, 7.5, 10, 15, 20, 25, 30	2	Yes	3
		GLMN-15-✱✱✱-T90W				
1-Phase	25 W	GLM-15-✱✱✱-S25	160, 200, 240	1	No	3
		GLM-15-✱✱✱-S25W				
		GLMN-15-✱✱✱-S25	160, 200, 240	2	Yes	3
		GLMN-15-✱✱✱-S25W				
	40 W	GLM-15-✱✱✱-S40	80, 100, 120	1	No	3
		GLM-15-✱✱✱-S40W				
		GLMN-15-✱✱✱-S40	80, 100, 120	2	Yes	3
		GLMN-15-✱✱✱-S40W				
	60 W	GLM-15-✱✱✱-S60	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	2	No	3
		GLM-15-✱✱✱-S60W				
		GLMN-15-✱✱✱-S60	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	2	Yes	3
		GLMN-15-✱✱✱-S60W				
	90 W	GLM-15-✱✱✱-S90	5, 7.5, 10, 15, 20, 25, 30	2	No	3
		GLM-15-✱✱✱-S90W				
		GLMN-15-✱✱✱-S90	5, 7.5, 10, 15, 20, 25, 30	2	Yes	3
		GLMN-15-✱✱✱-S90W				

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 60 for the performance table.

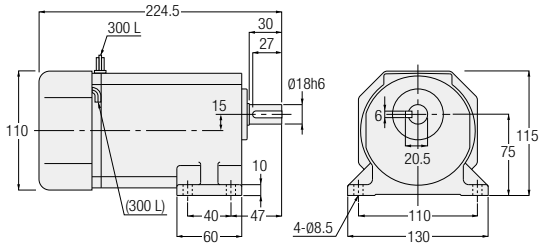
G Type Parallel Shaft | Shaft Diameter 18 | Foot Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



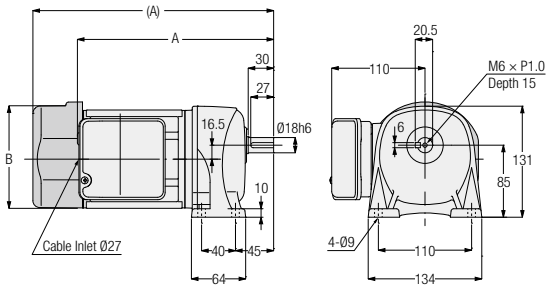
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	40 W	GLM-18-✱✱✱-T40	160, 200, 240	1	No	4
		GLM-18-✱✱✱-T40W				
		GLMN-18-✱✱✱-T40	160, 200, 240	2	Yes	4
		GLMN-18-✱✱✱-T40W				
	60 W	GLM-18-✱✱✱-T60	80, 100, 120, 160, 200, 240	1	No	4
		GLM-18-✱✱✱-T60W				
		GLMN-18-✱✱✱-T60	80, 100, 120, 160, 200, 240	2	Yes	4
		GLMN-18-✱✱✱-T60W				
	90 W	GLM-18-✱✱✱-T90	40, 50, 60, 80, 100, 120, 160, 200, 240	1	No	4
		GLM-18-✱✱✱-T90W				
		GLMN-18-✱✱✱-T90	40, 50, 60, 80, 100, 120, 160, 200, 240	2	Yes	4
		GLMN-18-✱✱✱-T90W				
1-Phase	40 W	GLM-18-✱✱✱-S40	160, 200, 240	1	No	4
		GLM-18-✱✱✱-S40W				
		GLMN-18-✱✱✱-S40	160, 200, 240	2	Yes	4
		GLMN-18-✱✱✱-S40W				
	60 W	GLM-18-✱✱✱-S60	80, 100, 120, 160, 200, 240	1	No	4
		GLM-18-✱✱✱-S60W				
		GLMN-18-✱✱✱-S60	80, 100, 120, 160, 200, 240	2	Yes	4
		GLMN-18-✱✱✱-S60W				
	90 W	GLM-18-✱✱✱-S90	40, 50, 60, 80, 100, 120, 160, 200, 240	2	No	4
		GLM-18-✱✱✱-S90W				
		GLMN-18-✱✱✱-S90	40, 50, 60, 80, 100, 120, 160, 200, 240	2	Yes	4
		GLMN-18-✱✱✱-S90W				

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 61 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter **18** | **Foot** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3L18N✱✱✱-MM01T◇◇TN	5, 10, 15, 20, 25, 30, 40, 50	1	No	6	218.5	Ø115
		G3L18N✱✱✱-MM01T◇◇TB◆			Yes	7.5	258.5	□126
	0.2 kW	G3L18N✱✱✱-MM02T◇◇TN	5, 10, 15, 20, 25	1	No	6.5	233.5	Ø115
		G3L18N✱✱✱-MM02T◇◇TB◆			Yes	8	284	□126

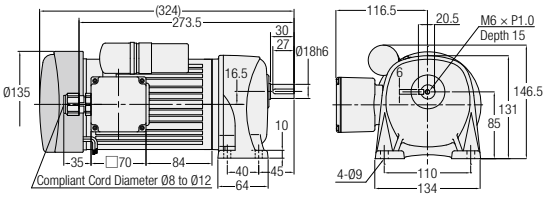
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 63 for the performance table.

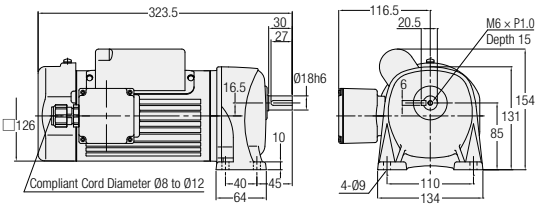
G3 Type Parallel Shaft | Shaft Diameter 18 | Foot Mounting

The values in parenthesis are those for gearmotors with a brake.

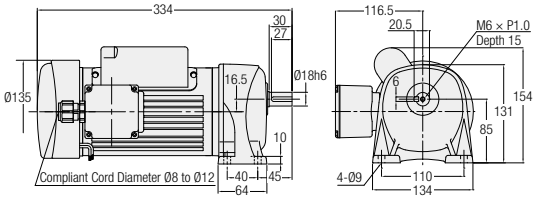
<Figure 1>



<Figure 2>



<Figure 3>



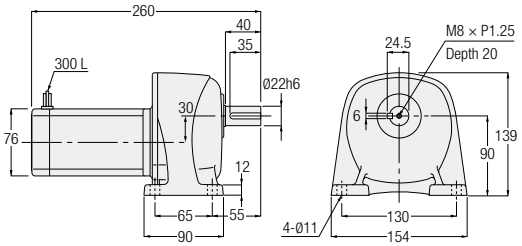
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.1 kW	G3L18N✱✱✱-MM01C◇JAN	5, 10, 15, 20, 25, 30, 40, 50	1	No	7.5
		G3L18N✱✱✱-MM01C◇JAB2			Yes	9
	0.2 kW	G3L18N✱✱✱-MM02C◇JAN	5, 10, 15, 20, 25	2	No	8.5
		G3L18N✱✱✱-MM02C◇JAB2		3	Yes	10

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 66 for the performance table.

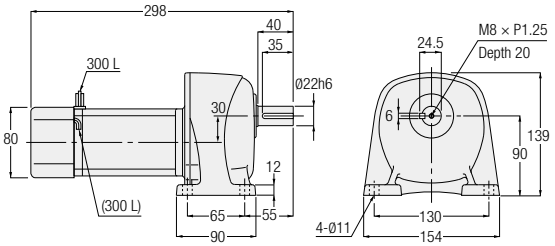
G Type Parallel Shaft | Shaft Diameter **22** | **Foot** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



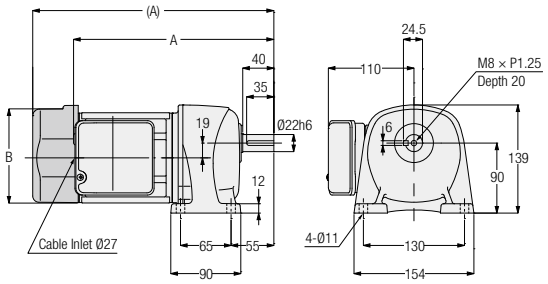
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	15 W	GLM-22-✱✱✱-T15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	1	No	5
		GLM-22-✱✱✱-T15W				
		GLMN-22-✱✱✱-T15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	2	Yes	5
		GLMN-22-✱✱✱-T15W				
	25 W	GLM-22-✱✱✱-T25	300, 375, 450, 600, 750, 900	1	No	5
		GLM-22-✱✱✱-T25W				
		GLMN-22-✱✱✱-T25	300, 375, 450, 600, 750, 900	2	Yes	5
		GLMN-22-✱✱✱-T25W				
	40 W	GLM-22-✱✱✱-T40	300, 375, 450	1	No	5
		GLM-22-✱✱✱-T40W		2		
		GLMN-22-✱✱✱-T40	300, 375, 450	2	Yes	5
		GLMN-22-✱✱✱-T40W				
	60 W	GLM-22-✱✱✱-T60	300, 375, 450	2	No	5
		GLM-22-✱✱✱-T60W				
		GLMN-22-✱✱✱-T60	300, 375, 450	2	Yes	5
		GLMN-22-✱✱✱-T60W				
1-Phase	15 W	GLM-22-✱✱✱-S15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	1	No	5
		GLM-22-✱✱✱-S15W				
		GLMN-22-✱✱✱-S15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	2	Yes	5
		GLMN-22-✱✱✱-S15W				
	25 W	GLM-22-✱✱✱-S25	300, 375, 450, 600, 750, 900	1	No	5
		GLM-22-✱✱✱-S25W				
		GLMN-22-✱✱✱-S25	300, 375, 450, 600, 750, 900	2	Yes	5
		GLMN-22-✱✱✱-S25W				
	40 W	GLM-22-✱✱✱-S40	300, 375, 450	2	No	5
		GLM-22-✱✱✱-S40W				
		GLMN-22-✱✱✱-S40	300, 375, 450	2	Yes	5
		GLMN-22-✱✱✱-S40W				
	60 W	GLM-22-✱✱✱-S60	300, 375, 450	2	No	5
		GLM-22-✱✱✱-S60W				
		GLMN-22-✱✱✱-S60	300, 375, 450	2	Yes	5
		GLMN-22-✱✱✱-S60W				

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 60 for the performance table.

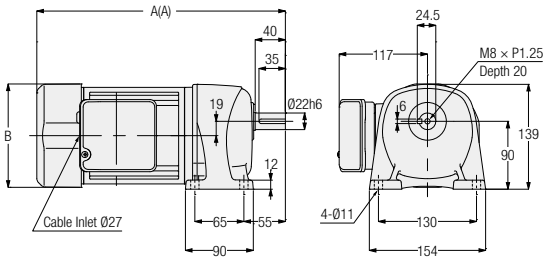
G3 Type Parallel Shaft | Shaft Diameter 22 | Foot Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3L22N✱✱✱-MM01T◇◇TN	60, 80, 100, 120, 160, 200	1	No	7	244.5	Ø115
		G3L22N✱✱✱-MM01T◇◇TB◆			Yes	8.5	284.5	□126
	0.2 kW	G3L22N✱✱✱-MM02T◇◇TN	30, 40, 50, 60, 80, 100	1	No	7.5	259.5	Ø115
		G3L22N✱✱✱-MM02T◇◇TB◆			Yes	9	310	□126
	0.4 kW	G3L22N✱✱✱-MM04T◇◇TN	5, 10, 15, 20, 25	2	No	9.5	309.5	□137
		G3L22N✱✱✱-MM04T◇◇TB◆			Yes	11	329.5	□137

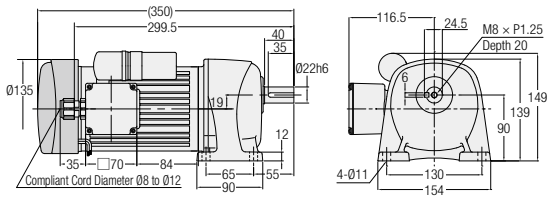
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 63 for the performance table.

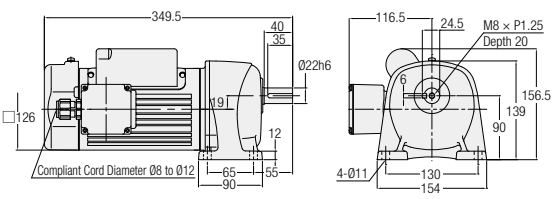
G3 Type Parallel Shaft | Shaft Diameter **22** | **Foot** Mounting

The values in parenthesis are those for gearmotors with a brake.

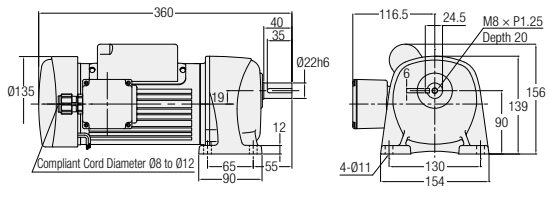
<Figure 1>



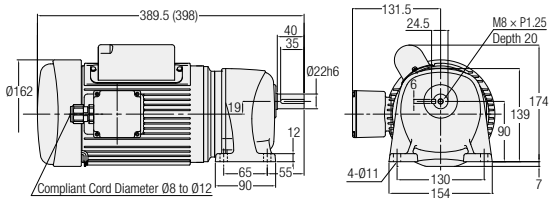
<Figure 2>



<Figure 3>



<Figure 4>



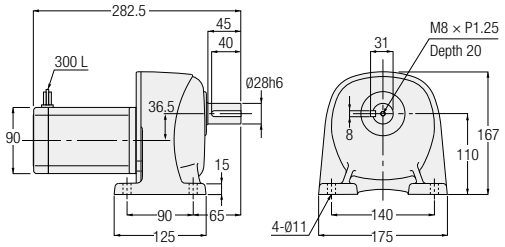
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.1 kW	G3L22N✱✱✱-MM01C◇JAN	60, 80, 100, 120, 160, 200	1	No	8.5
		G3L22N✱✱✱-MM01C◇JAB2			Yes	10
	0.2 kW	G3L22N✱✱✱-MM02C◇JAN	30, 40, 50, 60, 80, 100	2	No	9.5
		G3L22N✱✱✱-MM02C◇JAB2		3	Yes	11
	0.4 kW	G3L22N✱✱✱-MM04C◇JAN	5, 10, 15, 20, 25	4	No	15
		G3L22N✱✱✱-MM04C◇JAB2			Yes	17.5

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 66 for the performance table.

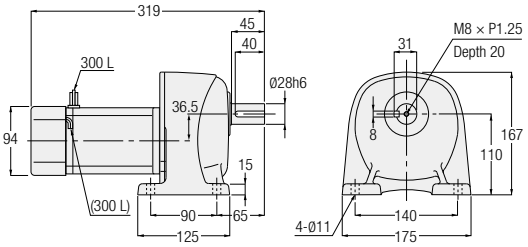
G Type Parallel Shaft | Shaft Diameter 28 | Foot Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



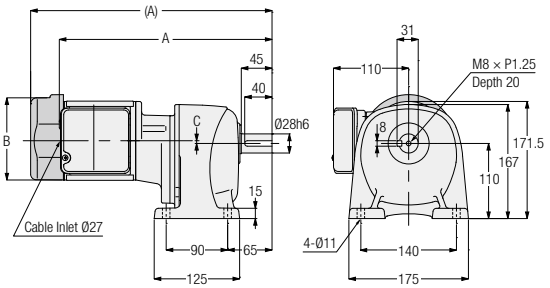
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	25 W	GLM-28-***-T25	1200, 1500, 1800	1	No	7
		GLM-28-***-T25W				
		GLMN-28-***-T25	1200, 1500, 1800	2	Yes	7
		GLMN-28-***-T25W				
	40 W	GLM-28-***-T40	600, 750, 900	1	No	7
		GLM-28-***-T40W				
		GLMN-28-***-T40	600, 750, 900	2	Yes	7
		GLMN-28-***-T40W				
	60 W	GLM-28-***-T60	600, 750, 900	1	No	7
		GLM-28-***-T60W				
		GLMN-28-***-T60	600, 750, 900	2	Yes	7
		GLMN-28-***-T60W				
	90 W	GLM-28-***-T90	300, 375, 450	1	No	7
		GLM-28-***-T90W				
		GLMN-28-***-T90	300, 375, 450	2	Yes	7
		GLMN-28-***-T90W				
1-Phase	25 W	GLM-28-***-S25	1200, 1500, 1800	1	No	7
		GLM-28-***-S25W				
		GLMN-28-***-S25	1200, 1500, 1800	2	Yes	7
		GLMN-28-***-S25W				
	40 W	GLM-28-***-S40	600, 750, 900	1	No	7
		GLM-28-***-S40W				
		GLMN-28-***-S40	600, 750, 900	2	Yes	7
		GLMN-28-***-S40W				
	60 W	GLM-28-***-S60	600, 750, 900	1	No	7
		GLM-28-***-S60W				
		GLMN-28-***-S60	600, 750, 900	2	Yes	7
		GLMN-28-***-S60W				
	90 W	GLM-28-***-S90	300, 375, 450	1	No	7
		GLM-28-***-S90W				
		GLMN-28-***-S90	300, 375, 450	2	Yes	7
		GLMN-28-***-S90W				

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 60 for the performance table.

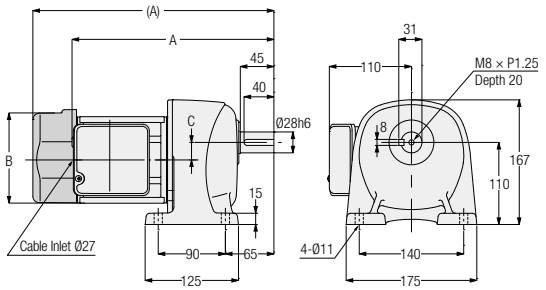
G3 Type Parallel Shaft | Shaft Diameter **28** | **Foot** Mounting

The values in parenthesis are those for gearmotors with a brake.

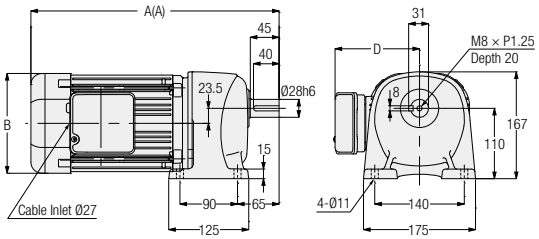
<Figure 1>



<Figure 2>



<Figure 3>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B	C	D
3-Phase	0.1 kW	G3L28N✱✱✱-MM01T◇◇TN	300, 375, 450	1	No	10	313.5	Ø115	4	-
		G3L28N✱✱✱-MM01T◇◇TB◆			Yes	11.5	353.5	□126	4	-
	0.2 kW	G3L28N✱✱✱-MM02T◇◇TN	100, 120, 160, 200	2	No	9.5	272.5	Ø115	23.5	-
		G3L28N✱✱✱-MM02T◇◇TB◆			Yes	11	323	□126	23.5	-
	0.4 kW	G3L28N✱✱✱-MM04T◇◇TN	30, 40, 50, 60, 80, 100	3	No	11.5	325.5	□137	-	117
		G3L28N✱✱✱-MM04T◇◇TB◆			Yes	13	345.5	□137	-	117
	0.75 kW	G3L28N✱✱✱-MD08T◇◇TN	5, 10, 15, 20, 25	3	No	18.5	368	□156	-	132
		G3L28N✱✱✱-MD08T◇◇TB◆			Yes	21	388	□156	-	132

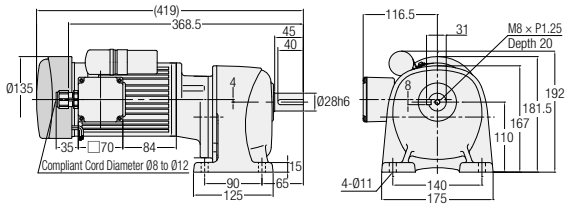
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 63 for the performance table.

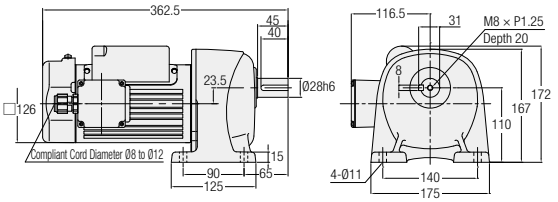
G3 Type Parallel Shaft | Shaft Diameter 28 | Foot Mounting

The values in parenthesis are those for gearmotors with a brake.

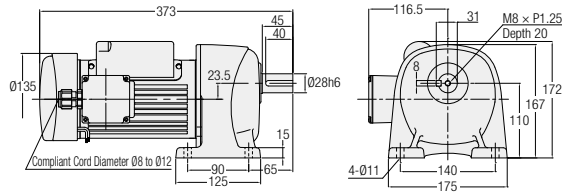
<Figure 1>



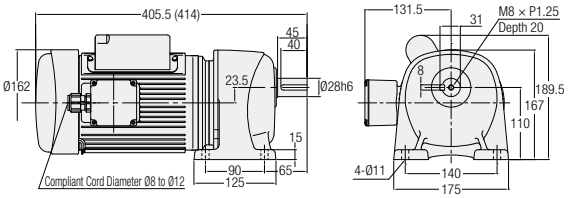
<Figure 2>



<Figure 3>



<Figure 4>



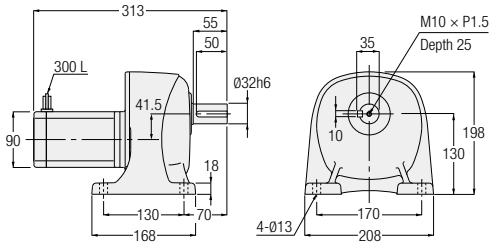
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.1 kW	G3L28N✱✱✱-MM01C◇JAN	300, 375, 450	1	No	11.5
		G3L28N✱✱✱-MM01C◇JAB2			Yes	13
	0.2 kW	G3L28N✱✱✱-MM02C◇JAN	100, 120, 160, 200	2	No	11.5
		G3L28N✱✱✱-MM02C◇JAB2		3	Yes	13
	0.4 kW	G3L28N✱✱✱-MM04C◇JAN	30, 40, 50, 60, 80, 100	4	No	17
		G3L28N✱✱✱-MM04C◇JAB2			Yes	19.5

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 66 for the performance table.

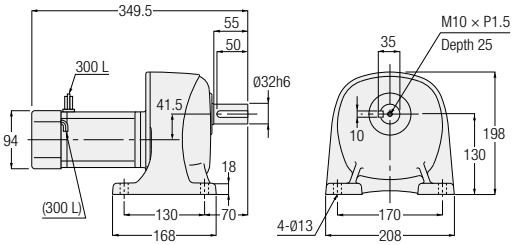
G Type Parallel Shaft | Shaft Diameter **32** | **Foot** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



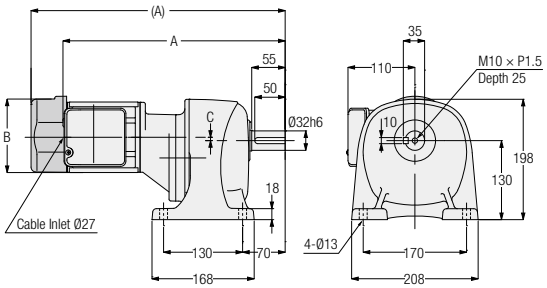
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	40 W	GLM-32-***-T40	1200, 1500, 1800	1	No	11
		GLM-32-***-T40W				
		GLMN-32-***-T40	1200, 1500, 1800	2	Yes	11
		GLMN-32-***-T40W				
	60 W	GLM-32-***-T60	1200, 1500, 1800	1	No	11
		GLM-32-***-T60W				
		GLMN-32-***-T60	1200, 1500, 1800	2	Yes	11
		GLMN-32-***-T60W				
	90 W	GLM-32-***-T90	600, 750, 900	1	No	11
		GLM-32-***-T90W		2		
		GLMN-32-***-T90	600, 750, 900	2	Yes	11
		GLMN-32-***-T90W				
1-Phase	40 W	GLM-32-***-S40	1200, 1500, 1800	1	No	11
		GLM-32-***-S40W				
		GLMN-32-***-S40	1200, 1500, 1800	2	Yes	11
		GLMN-32-***-S40W				
	60 W	GLM-32-***-S60	1200, 1500, 1800	2	No	11
		GLM-32-***-S60W				
		GLMN-32-***-S60	1200, 1500, 1800	2	Yes	11
		GLMN-32-***-S60W				
	90 W	GLM-32-***-S90	600, 750, 900	2	No	11
		GLM-32-***-S90W				
		GLMN-32-***-S90	600, 750, 900	2	Yes	11
		GLMN-32-***-S90W				

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 61 for the performance table.

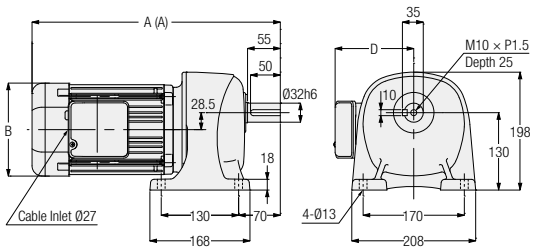
G3 Type Parallel Shaft | Shaft Diameter 32 | Foot Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B	C	D
3-Phase	0.1 kW	G3L32N✱✱✱-MM01T◇◇TN	600, 750, 900, 1200	1	No	13	332.5	Ø115	-1	-
		G3L32N✱✱✱-MM01T◇◇TB◆			Yes	14.5	372.5	□126	-1	-
	0.2 kW	G3L32N✱✱✱-MM02T◇◇TN	300, 375, 450	1	No	13.5	367.5	Ø115	5.5	-
		G3L32N✱✱✱-MM02T◇◇TB◆			Yes	15	418	□126	5.5	-
	0.4 kW	G3L32N✱✱✱-MM04T◇◇TN	100, 120, 160, 200	2	No	14.5	344.5	□137	-	117
		G3L32N✱✱✱-MM04T◇◇TB◆			Yes	16	364.5	□137	-	117
	0.75 kW	G3L32N✱✱✱-MD08T◇◇TN	30, 40, 50, 60, 80, 100	2	No	22	397	□156	-	132
		G3L32N✱✱✱-MD08T◇◇TB◆			Yes	24.5	417	□156	-	132
	1.5 kW	G3L32N✱✱✱-MD15T◇◇TN	5, 10, 15, 20, 25	2	No	28	449	□178	-	139
		G3L32N✱✱✱-MD15T◇◇TB◆			Yes	31.5	478	□178	-	139

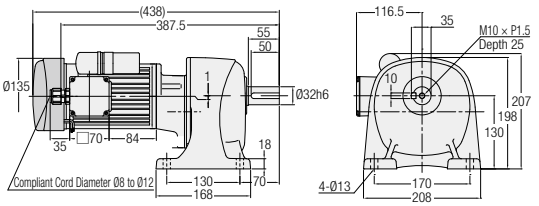
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 63 for the performance table.

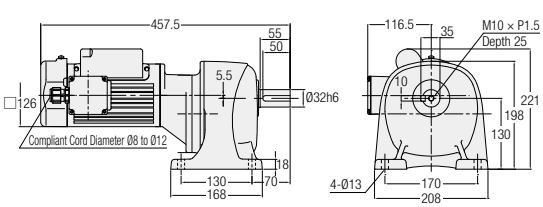
G3 Type Parallel Shaft | Shaft Diameter **32** | **Foot** Mounting

The values in parenthesis are those for gearmotors with a brake.

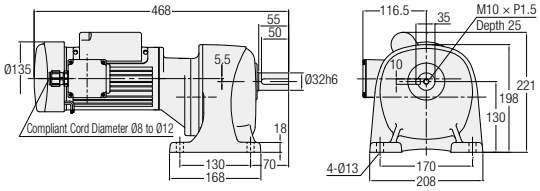
<Figure 1>



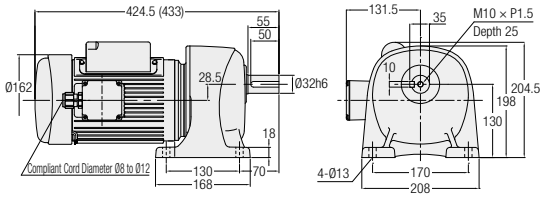
<Figure 2>



<Figure 3>



<Figure 4>



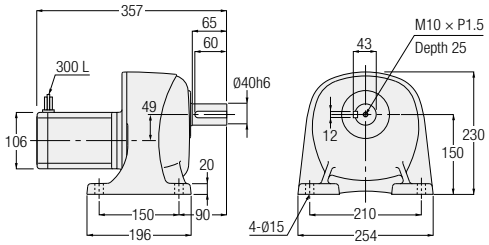
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.1 kW	G3L32N✱✱✱-MM01C◇JAN	600, 750, 900, 1200	1	No	14.5
		G3L32N✱✱✱-MM01C◇JAB2			Yes	16
	0.2 kW	G3L32N✱✱✱-MM02C◇JAN	300, 375, 450	2	No	15.5
		G3L32N✱✱✱-MM02C◇JAB2		3	Yes	17
	0.4 kW	G3L32N✱✱✱-MM04C◇JAN	100, 120, 160, 200	4	No	20
		G3L32N✱✱✱-MM04C◇JAB2			Yes	22.5

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 66 for the performance table.

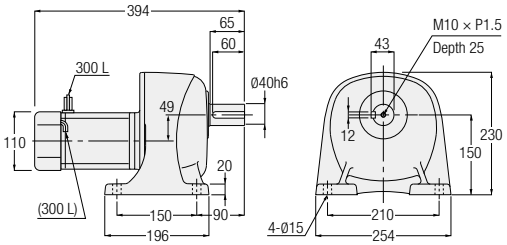
G Type Parallel Shaft | Shaft Diameter 40 | Foot Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



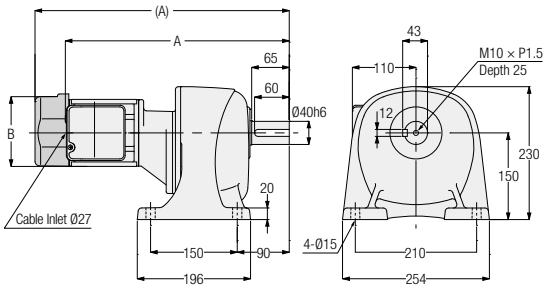
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	90 W	GLM-40-✱✱✱-T90	1200, 1500, 1800	1	No	15
		GLM-40-✱✱✱-T90W				
		GLMN-40-✱✱✱-T90	1200, 1500, 1800	2	Yes	15
		GLMN-40-✱✱✱-T90W				
1-Phase	90 W	GLM-40-✱✱✱-S90	1200, 1500, 1800	2	No	15
		GLM-40-✱✱✱-S90W				
		GLMN-40-✱✱✱-S90	1200, 1500, 1800	2	Yes	15
		GLMN-40-✱✱✱-S90W				

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 62 for the performance table.

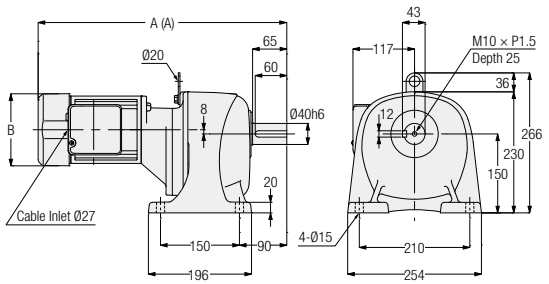
G3 Type Parallel Shaft | Shaft Diameter **40** | **Foot** Mounting

The values in parenthesis are those for gearmotors with a brake.

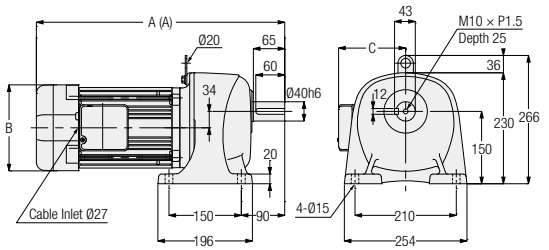
<Figure 1>



<Figure 2>



<Figure 3>



Note: Gearmotors with a motor power of 0.75 kW does not include the hanging plate.

Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B	C
3-Phase	0.2 kW	G3L40N✱✱✱-MM02T◇◇TN	600, 750, 900, 1200	1	No	20	389.5	Ø115	-
		G3L40N✱✱✱-MM02T◇◇TB◆			Yes	21.5	440	□126	-
	0.4 kW	G3L40N✱✱✱-MM04T◇◇TN	300, 375, 450	2	No	23	452.5	□137	-
		G3L40N✱✱✱-MM04T◇◇TB◆			Yes	24.5	472.5	□137	-
	0.75 kW	G3L40N✱✱✱-MD08T◇◇TN	100, 120, 160, 200	3	No	28.5	419	□156	132
		G3L40N✱✱✱-MD08T◇◇TB◆			Yes	31	439	□156	132
	1.5 kW	G3L40N✱✱✱-MD15T◇◇TN	30, 40, 50, 60, 80, 100	3	No	35	486	□178	139
		G3L40N✱✱✱-MD15T◇◇TB◆			Yes	38.5	515	□178	139
	2.2 kW	G3L40N✱✱✱-MD22T◇◇TN	5, 10, 15, 20, 25	3	No	41.5	503.5	□192	149
		G3L40N✱✱✱-MD22T◇◇TB◆			Yes	45.0	532.5	□192	149

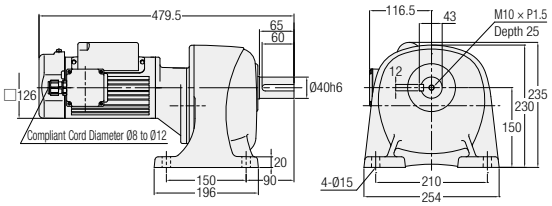
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 63 for the performance table.

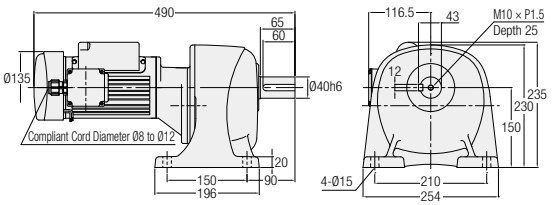
G3 Type Parallel Shaft | Shaft Diameter 40 | Foot Mounting

The values in parenthesis are those for gearmotors with a brake.

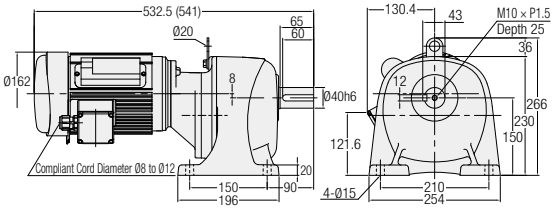
<Figure 1>



<Figure 2>



<Figure 3>



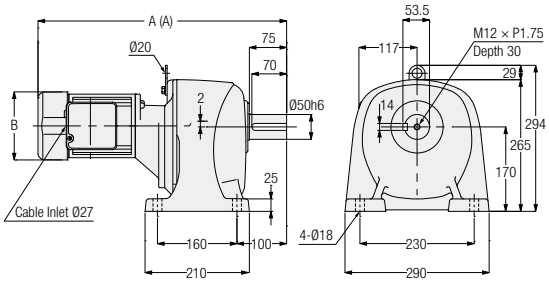
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.2 kW	G3L40N✱✱✱-MM02C◇JAN	600, 750, 900, 1200	1	No	22
		G3L40N✱✱✱-MM02C◇JAB2		2	Yes	23.5
	0.4 kW	G3L40N✱✱✱-MM04C◇JAN	300, 375, 450	3	No	28.5
		G3L40N✱✱✱-MM04C◇JAB2			Yes	31

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 66 for the performance table.

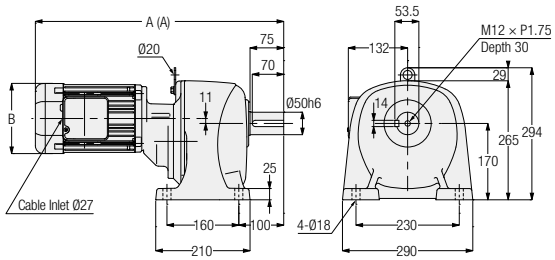
G3 Type Parallel Shaft | Shaft Diameter **50** | **Foot** Mounting

The values in parenthesis are those for gearmotors with a brake.

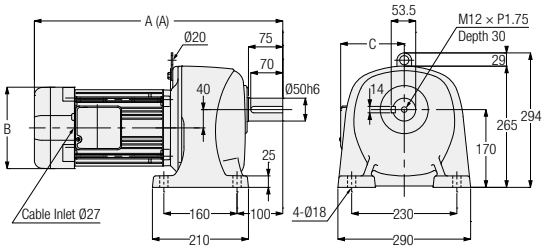
<Figure 1>



<Figure 2>



<Figure 3>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B	C
3-Phase	0.4 kW	G3L50N✱✱✱-MM04T◇◇TN	600, 750, 900, 1200	1	No	52.5	480.5	□137	-
		G3L50N✱✱✱-MM04T◇◇TB◆			Yes	54	500.5	□137	-
	0.75 kW	G3L50N✱✱✱-MD08T◇◇TN	300, 375, 450	2	No	60	533	□156	-
		G3L50N✱✱✱-MD08T◇◇TB◆			Yes	62.5	553	□156	-
	1.5 kW	G3L50N✱✱✱-MD15T◇◇TN	100, 120, 160, 200	3	No	64.5	514	□178	139
		G3L50N✱✱✱-MD15T◇◇TB◆			Yes	68	543	□178	139
	2.2 kW	G3L50N✱✱✱-MD22T◇◇TN	30, 40, 50, 60, 80, 100	3	No	71.5	547.5	□192	149
		G3L50N✱✱✱-MD22T◇◇TB◆			Yes	75	576.5	□192	149

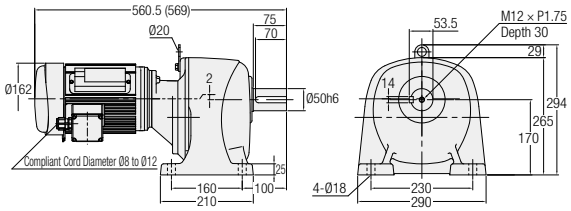
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 64 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 50 | Foot Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



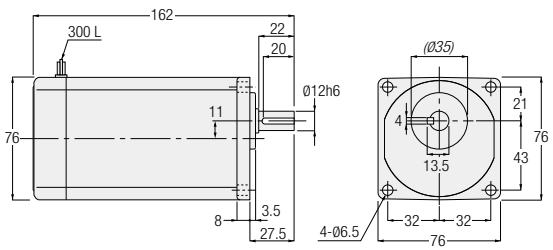
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.4 kW	G3L50N✱✱✱-MM04C◇JAN	600, 750, 900, 1200	1	No	58
		G3L50N✱✱✱-MM04C◇JAB2			Yes	60.5

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 67 for the performance table.

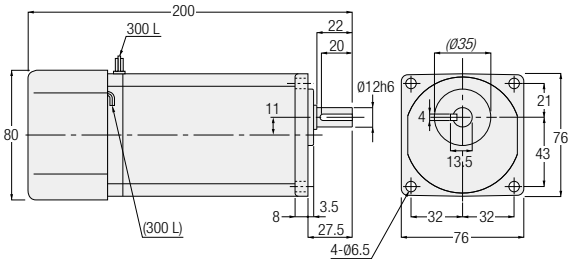
G Type Parallel Shaft | Shaft Diameter **12** | **Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



Note: The italic dimension indicates areas with remaining casting surface. Please add 0.5 mm or more to the italic dimension for the diameter of the mating hole.

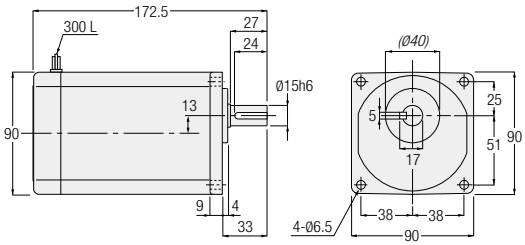
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	15 W	GFM-12-***-T15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	No	2
		GFM-12-***-T15W				
		GFMN-12-***-T15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	2	Yes	2
		GFMN-12-***-T15W				
	25 W	GFM-12-***-T25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	1	No	2
		GFM-12-***-T25W				
		GFMN-12-***-T25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	2	Yes	2
		GFMN-12-***-T25W				
	40 W	GFM-12-***-T40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	1	No	2
		GFM-12-***-T40W		2		
		GFMN-12-***-T40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	2	Yes	2
		GFMN-12-***-T40W				
	60 W	GFM-12-***-T60	5, 7.5, 10, 15, 20, 25, 30	2	No	2
		GFMN-12-***-T60			Yes	
1-Phase	15 W	GFM-12-***-S15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	No	2
		GFM-12-***-S15W				
		GFMN-12-***-S15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	2	Yes	2
		GFMN-12-***-S15W				
	25 W	GFM-12-***-S25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	1	No	2
		GFM-12-***-S25W				
		GFMN-12-***-S25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	2	Yes	2
		GFMN-12-***-S25W				
	40 W	GFM-12-***-S40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	2	No	2
		GFM-12-***-S40W				
		GFMN-12-***-S40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	2	Yes	2
		GFMN-12-***-S40W				

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 60 for the performance table.

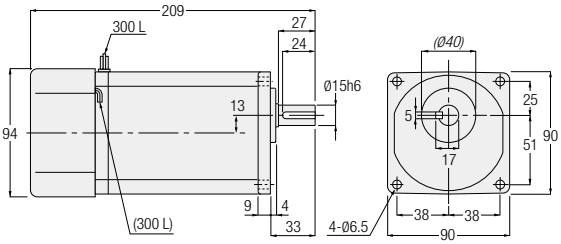
G Type Parallel Shaft | Shaft Diameter 15 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



Note: The italic dimension indicates areas with remaining casting surface. Please add 0.5 mm or more to the italic dimension for the diameter of the mating hole.

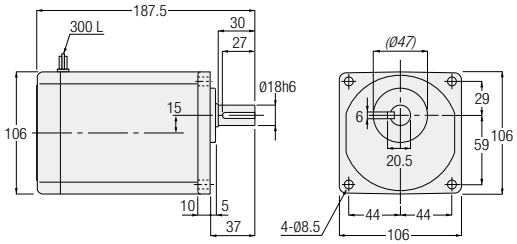
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	25 W	GFM-15-***-T25	160, 200, 240	1	No	3
		GFM-15-***-T25W				
		GFMN-15-***-T25	160, 200, 240	2	Yes	3
		GFMN-15-***-T25W				
	40 W	GFM-15-***-T40	80, 100, 120	1	No	3
		GFM-15-***-T40W				
		GFMN-15-***-T40	80, 100, 120	2	Yes	3
		GFMN-15-***-T40W				
	60 W	GFM-15-***-T60	40, 50, 60	1	No	3
		GFM-15-***-T60W	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60			
		GFMN-15-***-T60	40, 50, 60	2	Yes	3
		GFMN-15-***-T60W	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60			
	90 W	GFM-15-***-T90	5, 7.5, 10, 15, 20, 25, 30	1	No	3
		GFM-15-***-T90W		2		
		GFMN-15-***-T90	5, 7.5, 10, 15, 20, 25, 30	2	Yes	3
		GFMN-15-***-T90W				
1-Phase	25 W	GFM-15-***-S25	160, 200, 240	1	No	3
		GFM-15-***-S25W				
		GFMN-15-***-S25	160, 200, 240	2	Yes	3
		GFMN-15-***-S25W				
	40 W	GFM-15-***-S40	80, 100, 120	1	No	3
		GFM-15-***-S40W				
		GFMN-15-***-S40	80, 100, 120	2	Yes	3
		GFMN-15-***-S40W				
	60 W	GFM-15-***-S60	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	2	No	3
		GFM-15-***-S60W				
		GFMN-15-***-S60	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	2	Yes	3
		GFMN-15-***-S60W				
	90 W	GFM-15-***-S90	5, 7.5, 10, 15, 20, 25, 30	2	No	3
		GFM-15-***-S90W				
		GFMN-15-***-S90	5, 7.5, 10, 15, 20, 25, 30	2	Yes	3
		GFMN-15-***-S90W				

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 60 for the performance table.

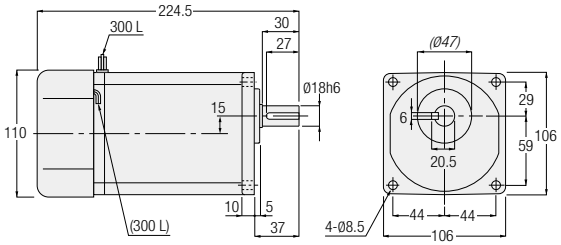
G Type Parallel Shaft | Shaft Diameter **18** | **Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



Note: The italic dimension indicates areas with remaining casting surface. Please add 0.5 mm or more to the italic dimension for the diameter of the mating hole.

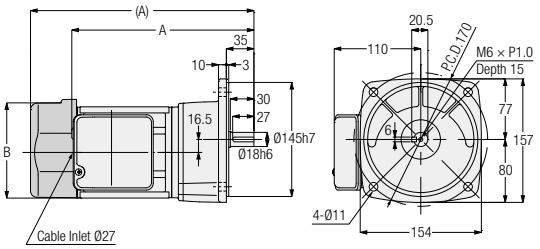
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	40 W	GFM-18-***-T40	160, 200, 240	1	No	4
		GFM-18-***-T40W				
		GFMN-18-***-T40	160, 200, 240	2	Yes	4
		GFMN-18-***-T40W				
	60 W	GFM-18-***-T60	80, 100, 120, 160, 200, 240	1	No	4
		GFM-18-***-T60W				
		GFMN-18-***-T60	80, 100, 120, 160, 200, 240	2	Yes	4
		GFMN-18-***-T60W				
	90 W	GFM-18-***-T90	40, 50, 60, 80, 100, 120, 160, 200, 240	1	No	4
		GFM-18-***-T90W				
		GFMN-18-***-T90	40, 50, 60, 80, 100, 120, 160, 200, 240	2	Yes	4
		GFMN-18-***-T90W				
1-Phase	40 W	GFM-18-***-S40	160, 200, 240	1	No	4
		GFM-18-***-S40W				
		GFMN-18-***-S40	160, 200, 240	2	Yes	4
		GFMN-18-***-S40W				
	60 W	GFM-18-***-S60	80, 100, 120, 160, 200, 240	1	No	4
		GFM-18-***-S60W				
		GFMN-18-***-S60	80, 100, 120, 160, 200, 240	2	Yes	4
		GFMN-18-***-S60W				
	90 W	GFM-18-***-S90	40, 50, 60, 80, 100, 120, 160, 200, 240	2	No	4
		GFM-18-***-S90W				
		GFMN-18-***-S90	40, 50, 60, 80, 100, 120, 160, 200, 240	2	Yes	4
		GFMN-18-***-S90W				

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 61 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 18 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3F18N✱✱✱-MM01T◇◇TN	5, 10, 15, 20, 25, 30, 40, 50	1	No	6.5	218.5	Ø115
		G3F18N✱✱✱-MM01T◇◇TB◆			Yes	8	258.5	□126
	0.2 kW	G3F18N✱✱✱-MM02T◇◇TN	5, 10, 15, 20, 25	1	No	7	233.5	Ø115
		G3F18N✱✱✱-MM02T◇◇TB◆			Yes	8.5	284	□126

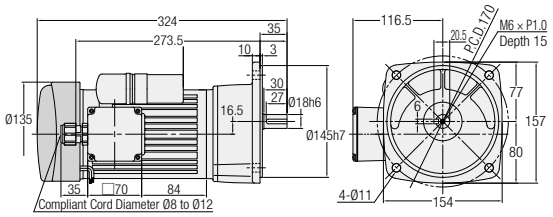
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 63 for the performance table.

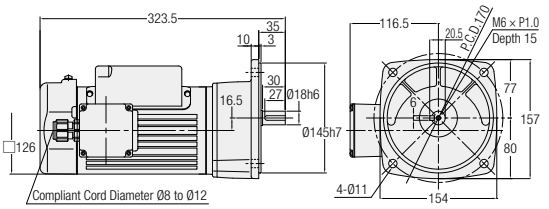
G3 Type Parallel Shaft | Shaft Diameter **18** | **Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

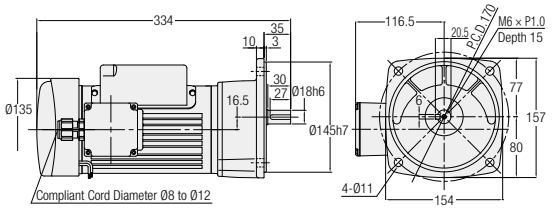
<Figure 1>



<Figure 2>



<Figure 3>



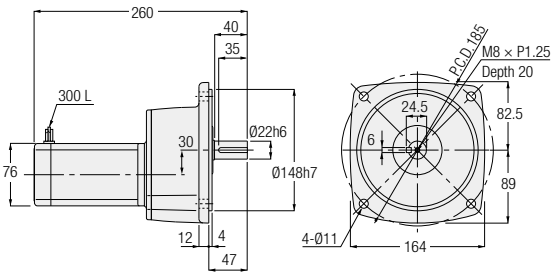
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.1 kW	G3F18N✱✱✱-MM01C◇JAN	5, 10, 15, 20, 25, 30, 40, 50	1	No	8
		G3F18N✱✱✱-MM01C◇JAB2			Yes	9.5
	0.2 kW	G3F18N✱✱✱-MM02C◇JAN	5, 10, 15, 20, 25	2	No	9
		G3F18N✱✱✱-MM02C◇JAB2		3	Yes	10.5

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 66 for the performance table.

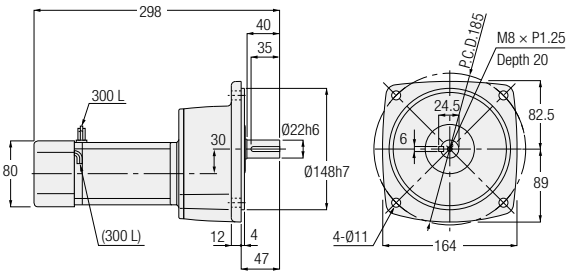
G Type Parallel Shaft | Shaft Diameter 22 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



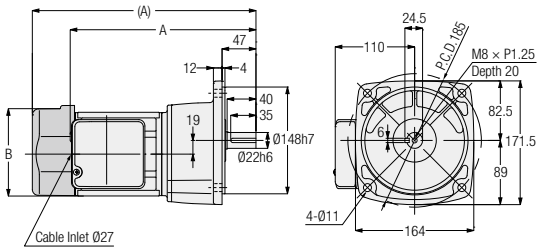
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	15 W	GFM-22-***-T15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	1	No	5
		GFM-22-***-T15W				
		GFMN-22-***-T15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	2	Yes	5
		GFMN-22-***-T15W				
	25 W	GFM-22-***-T25	300, 375, 450, 600, 750, 900	1	No	5
		GFM-22-***-T25W				
		GFMN-22-***-T25	300, 375, 450, 600, 750, 900	2	Yes	5
		GFMN-22-***-T25W				
	40 W	GFM-22-***-T40	300, 375, 450	1	No	5
		GFM-22-***-T40W		2		
		GFMN-22-***-T40	300, 375, 450	2	Yes	5
		GFMN-22-***-T40W				
	60 W	GFM-22-***-T60	300, 375, 450	2	No	5
		GFM-22-***-T60W				
		GFMN-22-***-T60	300, 375, 450	2	Yes	5
		GFMN-22-***-T60W				
1-Phase	15 W	GFM-22-***-S15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	1	No	5
		GFM-22-***-S15W				
		GFMN-22-***-S15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	2	Yes	5
		GFMN-22-***-S15W				
	25 W	GFM-22-***-S25	300, 375, 450, 600, 750, 900	1	No	5
		GFM-22-***-S25W				
		GFMN-22-***-S25	300, 375, 450, 600, 750, 900	2	Yes	5
		GFMN-22-***-S25W				
	40 W	GFM-22-***-S40	300, 375, 450	2	No	5
		GFM-22-***-S40W				
		GFMN-22-***-S40	300, 375, 450	2	Yes	5
		GFMN-22-***-S40W				
	60 W	GFM-22-***-S60	300, 375, 450	2	No	5
		GFM-22-***-S60W				
		GFMN-22-***-S60	300, 375, 450	2	Yes	5
		GFMN-22-***-S60W				

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 60 for the performance table.

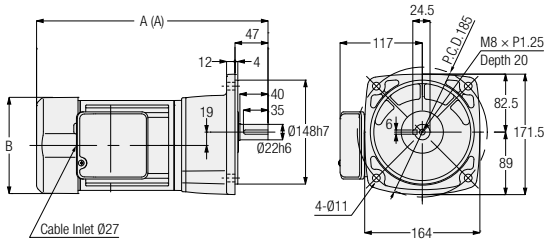
G3 Type Parallel Shaft | Shaft Diameter **22** | **Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3F22N✱✱✱-MM01T◇◇TN	60, 80, 100, 120, 160, 200	1	No	7.5	244.5	Ø115
		G3F22N✱✱✱-MM01T◇◇TB◆			Yes	9	284.5	□126
	0.2 kW	G3F22N✱✱✱-MM02T◇◇TN	30, 40, 50, 60, 80, 100	1	No	8	259.5	Ø115
		G3F22N✱✱✱-MM02T◇◇TB◆			Yes	9.5	310	□126
	0.4 kW	G3F22N✱✱✱-MM04T◇◇TN	5, 10, 15, 20, 25	2	No	10	309.5	□137
		G3F22N✱✱✱-MM04T◇◇TB◆			Yes	11.5	329.5	□137

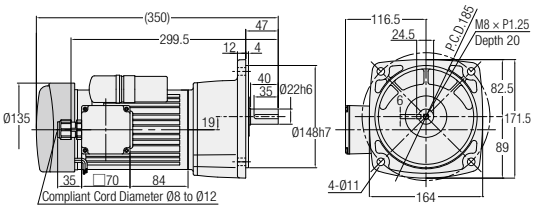
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 63 for the performance table.

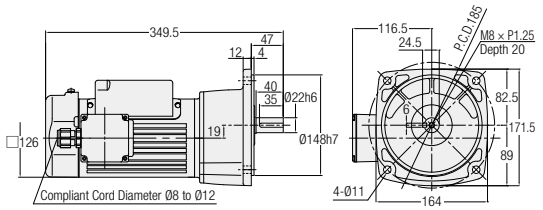
G3 Type Parallel Shaft | Shaft Diameter 22 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

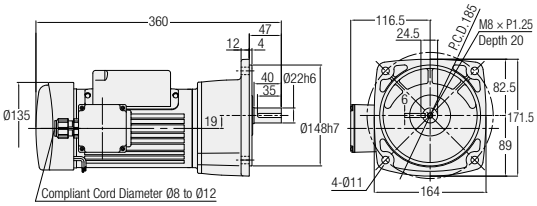
<Figure 1>



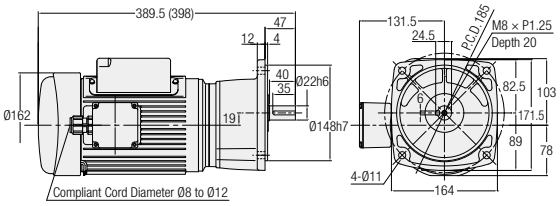
<Figure 2>



<Figure 3>



<Figure 4>



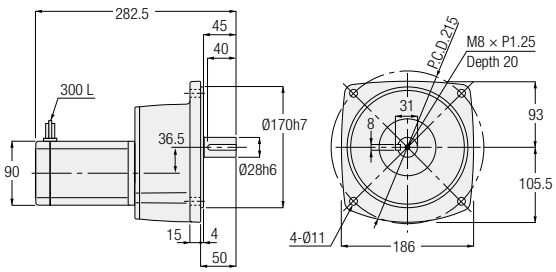
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.1 kW	G3F22N✱✱✱-MM01C◇JAN	60, 80, 100, 120, 160, 200	1	No	9
		G3F22N✱✱✱-MM01C◇JAB2			Yes	10.5
	0.2 kW	G3F22N✱✱✱-MM02C◇JAN	30, 40, 50, 60, 80, 100	2	No	10
		G3F22N✱✱✱-MM02C◇JAB2		3	Yes	11.5
	0.4 kW	G3F22N✱✱✱-MM04C◇JAN	5, 10, 15, 20, 25	4	No	15.5
		G3F22N✱✱✱-MM04C◇JAB2			Yes	18

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 66 for the performance table.

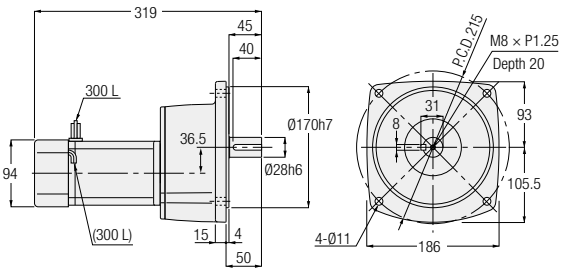
G Type Parallel Shaft | Shaft Diameter **28** | **Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



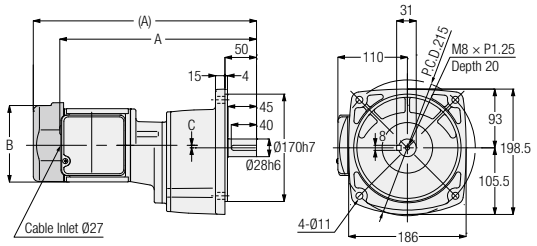
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	25 W	GFM-28-✱✱✱-T25	1200, 1500, 1800	1	No	7
		GFM-28-✱✱✱-T25W				
		GFMN-28-✱✱✱-T25	1200, 1500, 1800	2	Yes	7
		GFMN-28-✱✱✱-T25W				
	40 W	GFM-28-✱✱✱-T40	600, 750, 900	1	No	7
		GFM-28-✱✱✱-T40W				
		GFMN-28-✱✱✱-T40	600, 750, 900	2	Yes	7
		GFMN-28-✱✱✱-T40W				
	60 W	GFM-28-✱✱✱-T60	600, 750, 900	1	No	7
		GFM-28-✱✱✱-T60W				
		GFMN-28-✱✱✱-T60	600, 750, 900	2	Yes	7
		GFMN-28-✱✱✱-T60W				
	90 W	GFM-28-✱✱✱-T90	300, 375, 450	1	No	7
		GFM-28-✱✱✱-T90W		2		
		GFMN-28-✱✱✱-T90	300, 375, 450	2	Yes	7
		GFMN-28-✱✱✱-T90W				
1-Phase	25 W	GFM-28-✱✱✱-S25	1200, 1500, 1800	1	No	7
		GFM-28-✱✱✱-S25W				
		GFMN-28-✱✱✱-S25	1200, 1500, 1800	2	Yes	7
		GFMN-28-✱✱✱-S25W				
	40 W	GFM-28-✱✱✱-S40	600, 750, 900	2	No	7
		GFM-28-✱✱✱-S40W				
		GFMN-28-✱✱✱-S40	600, 750, 900	2	Yes	7
		GFMN-28-✱✱✱-S40W				
	60 W	GFM-28-✱✱✱-S60	600, 750, 900	2	No	7
		GFM-28-✱✱✱-S60W				
		GFMN-28-✱✱✱-S60	600, 750, 900	2	Yes	7
		GFMN-28-✱✱✱-S60W				
	90 W	GFM-28-✱✱✱-S90	300, 375, 450	2	No	7
		GFM-28-✱✱✱-S90W				
		GFMN-28-✱✱✱-S90	300, 375, 450	2	Yes	7
		GFMN-28-✱✱✱-S90W				

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 60 for the performance table.

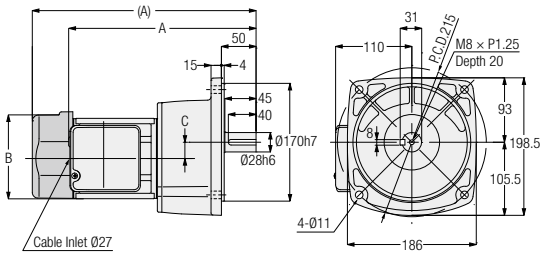
G3 Type Parallel Shaft | Shaft Diameter 28 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

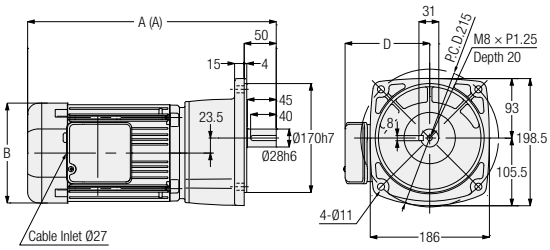
<Figure 1>



<Figure 2>



<Figure 3>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B	C	D
3-Phase	0.1 kW	G3F28N✱✱✱-MM01T◇◇TN	300, 375, 450	1	No	10.5	313.5	Ø115	4	-
		G3F28N✱✱✱-MM01T◇◇TB◆			Yes	12	353.5	□126	4	-
	0.2 kW	G3F28N✱✱✱-MM02T◇◇TN	100, 120, 160, 200	2	No	10	272.5	Ø115	23.5	-
		G3F28N✱✱✱-MM02T◇◇TB◆			Yes	11.5	323	□126	23.5	-
	0.4 kW	G3F28N✱✱✱-MM04T◇◇TN	30, 40, 50, 60, 80, 100	3	No	12	325.5	□137	-	117
		G3F28N✱✱✱-MM04T◇◇TB◆			Yes	13.5	345.5	□137	-	117
	0.75 kW	G3F28N✱✱✱-MD08T◇◇TN	5, 10, 15, 20, 25	3	No	19	368	□156	-	132
		G3F28N✱✱✱-MD08T◇◇TB◆			Yes	21.5	388	□156	-	132

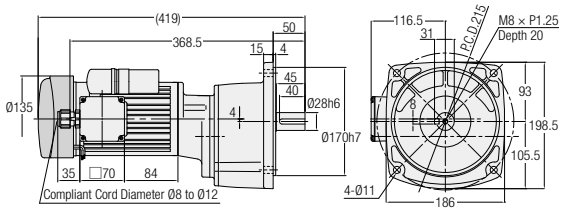
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 63 for the performance table.

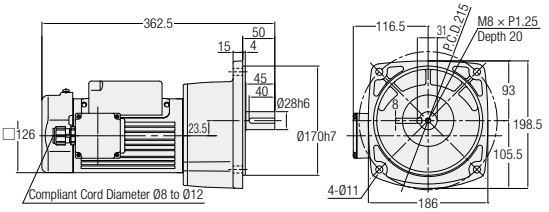
G3 Type Parallel Shaft | Shaft Diameter **28** | **Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

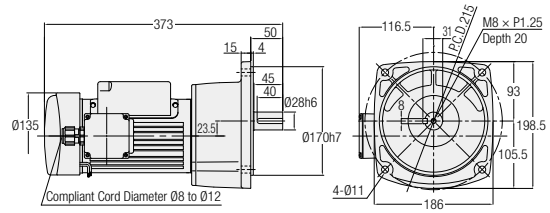
<Figure 1>



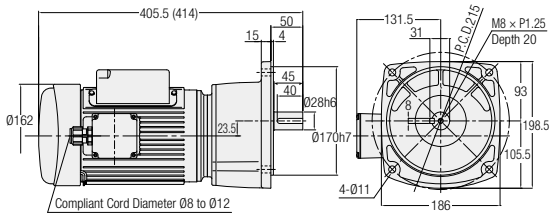
<Figure 2>



<Figure 3>



<Figure 4>



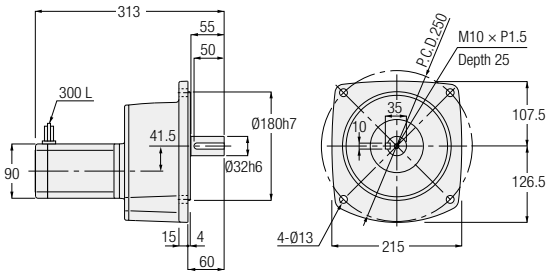
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.1 kW	G3F28N✱✱✱-MM01C◇JAN	300, 375, 450	1	No	12
		G3F28N✱✱✱-MM01C◇JAB2			Yes	13.5
	0.2 kW	G3F28N✱✱✱-MM02C◇JAN	100, 120, 160, 200	2	No	12
		G3F28N✱✱✱-MM02C◇JAB2		3	Yes	13.5
	0.4 kW	G3F28N✱✱✱-MM04C◇JAN	30, 40, 50, 60, 80, 100	4	No	17.5
		G3F28N✱✱✱-MM04C◇JAB2			Yes	20

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 66 for the performance table.

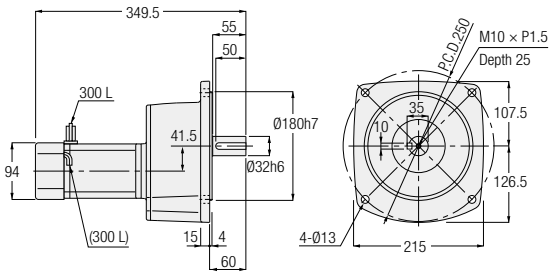
G Type Parallel Shaft | Shaft Diameter 32 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



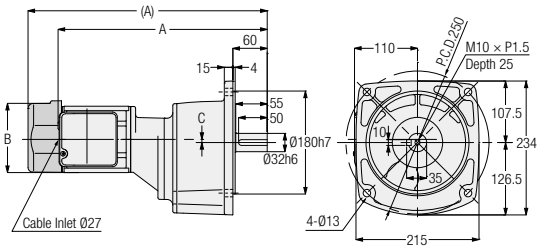
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	40 W	GFM-32-✱✱✱-T40	1200, 1500, 1800	1	No	11
		GFM-32-✱✱✱-T40W				
		GFMN-32-✱✱✱-T40	1200, 1500, 1800	2	Yes	11
		GFMN-32-✱✱✱-T40W				
	60 W	GFM-32-✱✱✱-T60	1200, 1500, 1800	1	No	11
		GFM-32-✱✱✱-T60W				
		GFMN-32-✱✱✱-T60	1200, 1500, 1800	2	Yes	11
		GFMN-32-✱✱✱-T60W				
	90 W	GFM-32-✱✱✱-T90	600, 750, 900	1	No	11
		GFM-32-✱✱✱-T90W		2		
		GFMN-32-✱✱✱-T90	600, 750, 900	2	Yes	11
		GFMN-32-✱✱✱-T90W				
1-Phase	40 W	GFM-32-✱✱✱-S40	1200, 1500, 1800	1	No	11
		GFM-32-✱✱✱-S40W				
		GFMN-32-✱✱✱-S40	1200, 1500, 1800	2	Yes	11
		GFMN-32-✱✱✱-S40W				
	60 W	GFM-32-✱✱✱-S60	1200, 1500, 1800	2	No	11
		GFM-32-✱✱✱-S60W				
		GFMN-32-✱✱✱-S60	1200, 1500, 1800	2	Yes	11
		GFMN-32-✱✱✱-S60W				
	90 W	GFM-32-✱✱✱-S90	600, 750, 900	2	No	11
		GFM-32-✱✱✱-S90W				
		GFMN-32-✱✱✱-S90	600, 750, 900	2	Yes	11
		GFMN-32-✱✱✱-S90W				

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 61 for the performance table.

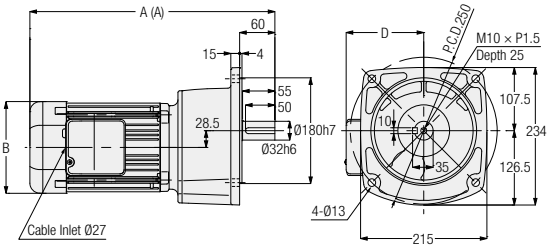
G3 Type Parallel Shaft | Shaft Diameter **32** | **Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B	C	D
3-Phase	0.1 kW	G3F32N✱✱✱-MM01T◇◇TN	600, 750, 900, 1200	1	No	13.5	332.5	Ø115	-1	-
		G3F32N✱✱✱-MM01T◇◇TB◆			Yes	15	372.5	□126	-1	-
	0.2 kW	G3F32N✱✱✱-MM02T◇◇TN	300, 375, 450	1	No	14	367.5	Ø115	5.5	-
		G3F32N✱✱✱-MM02T◇◇TB◆			Yes	15.5	418	□126	5.5	-
	0.4 kW	G3F32N✱✱✱-MM04T◇◇TN	100, 120, 160, 200	2	No	15	344.5	□137	-	117
		G3F32N✱✱✱-MM04T◇◇TB◆			Yes	16.5	364.5	□137	-	117
	0.75 kW	G3F32N✱✱✱-MD08T◇◇TN	30, 40, 50, 60, 80, 100	2	No	22.5	397	□156	-	132
		G3F32N✱✱✱-MD08T◇◇TB◆			Yes	25	417	□156	-	132
	1.5 kW	G3F32N✱✱✱-MD15T◇◇TN	5, 10, 15, 20, 25	2	No	28.5	449	□178	-	139
		G3F32N✱✱✱-MD15T◇◇TB◆			Yes	32	478	□178	-	139

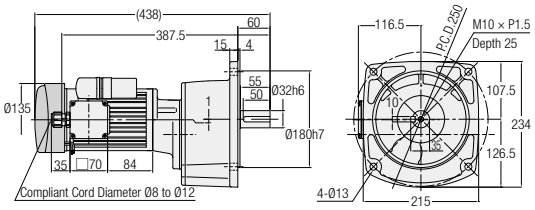
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 63 for the performance table.

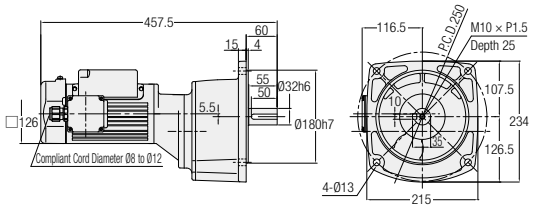
G3 Type Parallel Shaft | Shaft Diameter 32 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

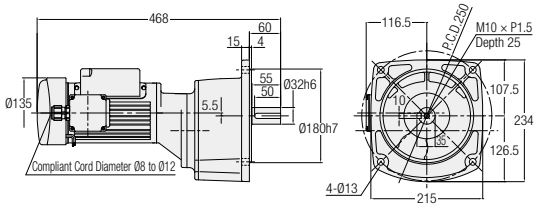
<Figure 1>



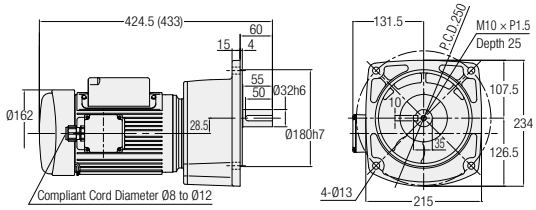
<Figure 2>



<Figure 3>



<Figure 4>



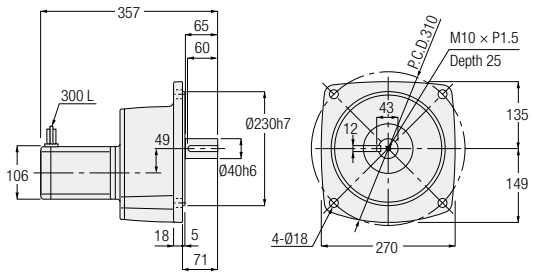
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.1 kW	G3F32N✱✱✱-MM01C◇JAN	600, 750, 900, 1200	1	No	15
		G3F32N✱✱✱-MM01C◇JAB2			Yes	16.5
	0.2 kW	G3F32N✱✱✱-MM02C◇JAN	300, 375, 450	2	No	16
		G3F32N✱✱✱-MM02C◇JAB2		3	Yes	17.5
	0.4 kW	G3F32N✱✱✱-MM04C◇JAN	100, 120, 160, 200	4	No	20.5
		G3F32N✱✱✱-MM04C◇JAB2			Yes	23

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 66 for the performance table.

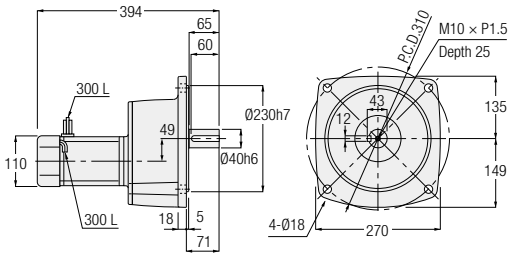
G Type Parallel Shaft | Shaft Diameter **40** | **Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



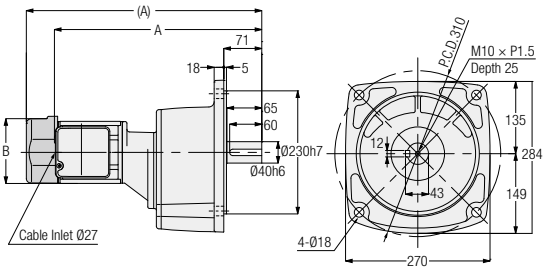
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	90 W	GFM-40-✱✱✱-T90	1200, 1500, 1800	1	No	15
		GFM-40-✱✱✱-T90W				
		GFMN-40-✱✱✱-T90	1200, 1500, 1800	2	Yes	15
		GFMN-40-✱✱✱-T90W				
1-Phase	90 W	GFM-40-✱✱✱-S90	1200, 1500, 1800	2	No	15
		GFM-40-✱✱✱-S90W				
		GFMN-40-✱✱✱-S90	1200, 1500, 1800	2	Yes	15
		GFMN-40-✱✱✱-S90W				

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 62 for the performance table.

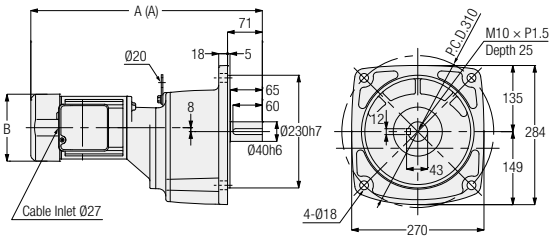
G3 Type Parallel Shaft | Shaft Diameter 40 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

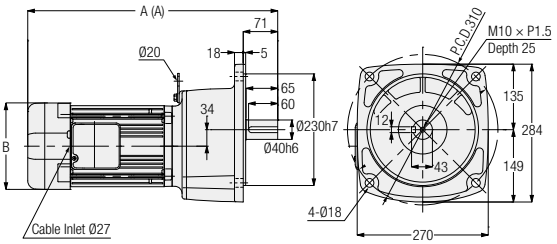
<Figure 1>



<Figure 2>



<Figure 3>



Note: Gearmotors with a motor power of 0.75 kW does not include the hanging plate.

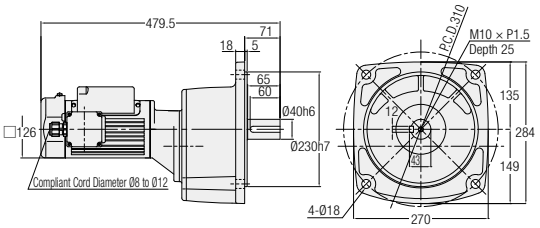
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.2 kW	G3F40N✱✱✱-MM02T◇◇TN	600, 750, 900, 1200	1	No	21.5	389.5	Ø115
		G3F40N✱✱✱-MM02T◇◇TB◆			Yes	23	440	□126
	0.4 kW	G3F40N✱✱✱-MM04T◇◇TN	300, 375, 450	2	No	24.5	452.5	□137
		G3F40N✱✱✱-MM04T◇◇TB◆			Yes	26	472.5	□137
	0.75 kW	G3F40N✱✱✱-MD08T◇◇TN	100, 120, 160, 200	3	No	30	419	□156
		G3F40N✱✱✱-MD08T◇◇TB◆			Yes	32.5	439	□156
	1.5 kW	G3F40N✱✱✱-MD15T◇◇TN	30, 40, 50, 60, 80, 100	3	No	36.5	486	□178
		G3F40N✱✱✱-MD15T◇◇TB◆			Yes	40	515	□178
	2.2 kW	G3F40N✱✱✱-MD22T◇◇TN	5, 10, 15, 20, 25	3	No	43	503.5	□192
		G3F40N✱✱✱-MD22T◇◇TB◆			Yes	46.5	532.5	□192

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

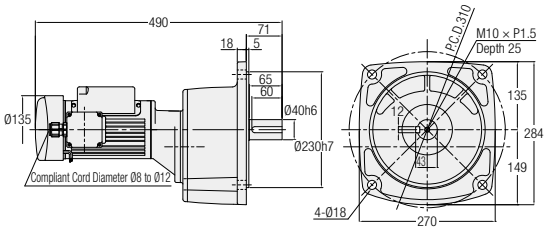
Note: Please refer to page 63 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 40 | Flange Mounting

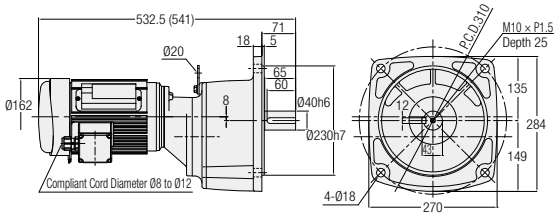
<Figure 1>



<Figure 2>



<Figure 3>



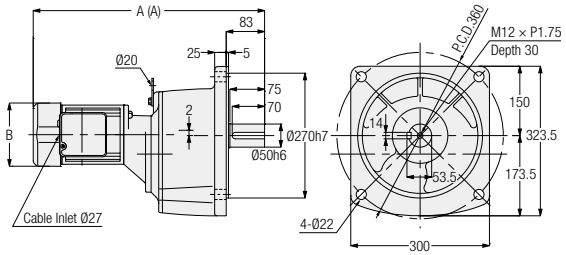
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.2 kW	G3F40N✱✱✱-MM02C◇JAN	600, 750, 900, 1200	1	No	23.5
		G3F40N✱✱✱-MM02C◇JAB2		2	Yes	25
	0.4 kW	G3F40N✱✱✱-MM04C◇JAN	300, 375, 450	3	No	30
		G3F40N✱✱✱-MM04C◇JAB2			Yes	32.5

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 66 for the performance table.

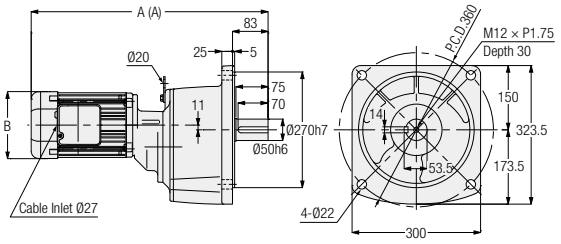
G3 Type Parallel Shaft | Shaft Diameter 50 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

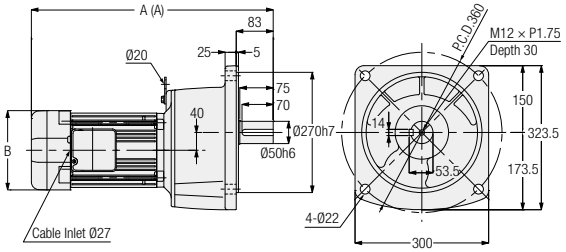
<Figure 1>



<Figure 2>



<Figure 3>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.4 kW	G3F50N✱✱✱-MM04T◇◇TN	600, 750, 900, 1200	1	No	57.5	480.5	□137
		G3F50N✱✱✱-MM04T◇◇TB◆			Yes	59	500.5	□137
	0.75 kW	G3F50N✱✱✱-MD08T◇◇TN	300, 375, 450	2	No	65	533	□156
		G3F50N✱✱✱-MD08T◇◇TB◆			Yes	67.5	553	□156
	1.5 kW	G3F50N✱✱✱-MD15T◇◇TN	100, 120, 160, 200	3	No	69.5	514	□178
		G3F50N✱✱✱-MD15T◇◇TB◆			Yes	73	543	□178
	2.2 kW	G3F50N✱✱✱-MD22T◇◇TN	30, 40, 50, 60, 80, 100	3	No	76.5	547.5	□192
		G3F50N✱✱✱-MD22T◇◇TB◆			Yes	80	576.5	□192

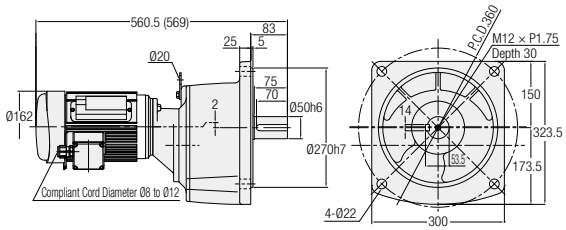
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 64 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 50 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>

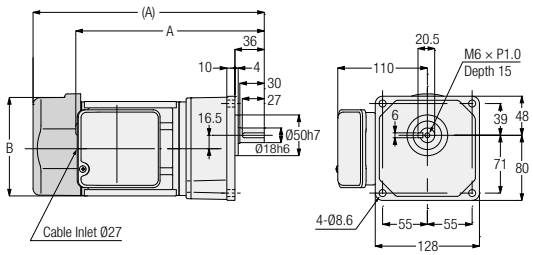


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.4 kW	G3F50N✱✱✱-MM04C◇JAN	600, 750, 900, 1200	1	No	63
		G3F50N✱✱✱-MM04C◇JAB2			Yes	65.5

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 67 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 18 | Small Flange Mounting

<Figure 2>



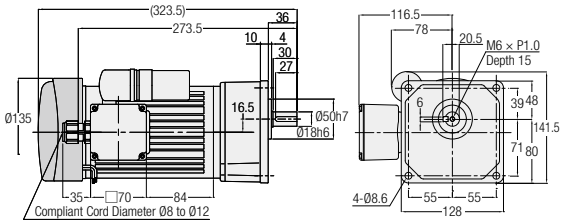
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3K18N✱✱✱-MM01T◇◇TN	5, 10, 15, 20, 25, 30, 40, 50	2	No	6.5	218.5	Ø115
		G3K18N✱✱✱-MM01T◇◇TB◆			Yes	8	258.5	□126
	0.2 kW	G3K18N✱✱✱-MM02T◇◇TN	5, 10, 15, 20, 25	2	No	7	233.5	Ø115
		G3K18N✱✱✱-MM02T◇◇TB◆			Yes	8.5	284	□126

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.
Note: Please refer to page 63 for the performance table.

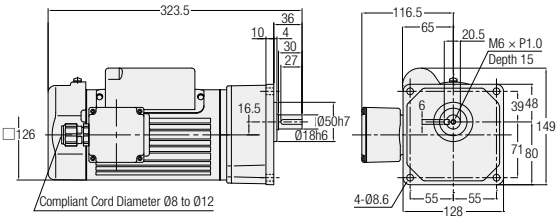
G3 Type Parallel Shaft | Shaft Diameter 18 | Small Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

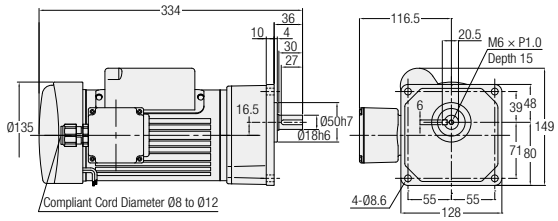
<Figure 1>



<Figure 2>



<Figure 3>



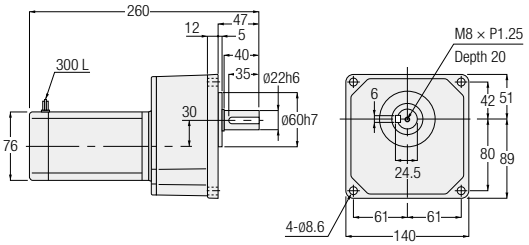
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.1 kW	G3K18N✱✱✱-MM01C◇JAN	5, 10, 15, 20, 25, 30, 40, 50	1	No	8
		G3K18N✱✱✱-MM01C◇JAB2			Yes	9.5
	0.2 kW	G3K18N✱✱✱-MM02C◇JAN	5, 10, 15, 20, 25	2	No	9
		G3K18N✱✱✱-MM02C◇JAB2		3	Yes	10.5

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 66 for the performance table.

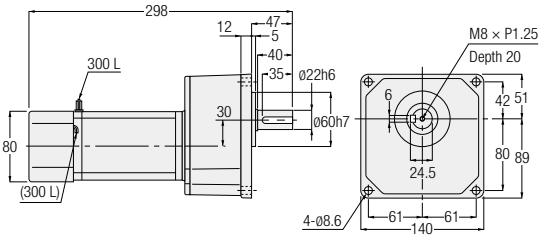
G Type Parallel Shaft | Shaft Diameter **22** | **Small Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



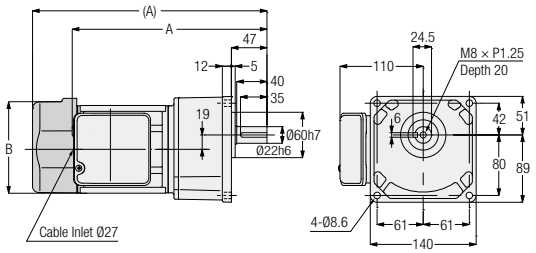
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	15 W	GKM-22-***-T15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	1	No	5
		GKM-22-***-T15W				
		GKMN-22-***-T15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	2	Yes	5
		GKMN-22-***-T15W				
	25 W	GKM-22-***-T25	300, 375, 450, 600, 750, 900	1	No	5
		GKM-22-***-T25W				
		GKMN-22-***-T25	300, 375, 450, 600, 750, 900	2	Yes	5
		GKMN-22-***-T25W				
	40 W	GKM-22-***-T40	300, 375, 450	1	No	5
		GKM-22-***-T40W		2		
		GKMN-22-***-T40	300, 375, 450	2	Yes	5
		GKMN-22-***-T40W				
	60 W	GKM-22-***-T60	300, 375, 450	2	No	5
		GKM-22-***-T60W				
		GKMN-22-***-T60	300, 375, 450	2	Yes	5
		GKMN-22-***-T60W				
1-Phase	15 W	GKM-22-***-S15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	1	No	5
		GKM-22-***-S15W				
		GKMN-22-***-S15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	2	Yes	5
		GKMN-22-***-S15W				
	25 W	GKM-22-***-S25	300, 375, 450, 600, 750, 900	1	No	5
		GKM-22-***-S25W				
		GKMN-22-***-S25	300, 375, 450, 600, 750, 900	2	Yes	5
		GKMN-22-***-S25W				
	40 W	GKM-22-***-S40	300, 375, 450	2	No	5
		GKM-22-***-S40W				
		GKMN-22-***-S40	300, 375, 450	2	Yes	5
		GKMN-22-***-S40W				
	60 W	GKM-22-***-S60	300, 375, 450	2	No	5
		GKM-22-***-S60W				
		GKMN-22-***-S60	300, 375, 450	2	Yes	5
		GKMN-22-***-S60W				

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 60 for the performance table.

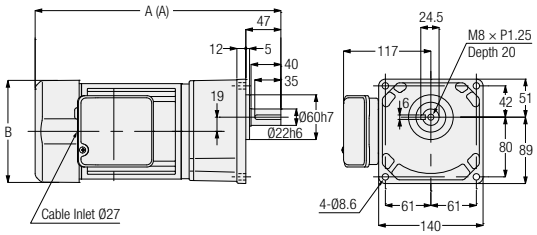
G3 Type Parallel Shaft | Shaft Diameter 22 | Small Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3K22N✱✱✱-MM01T◇◇TN	60, 80, 100, 120, 160, 200	1	No	7.5	244.5	Ø115
		G3K22N✱✱✱-MM01T◇◇TB◆			Yes	9	284.5	□126
	0.2 kW	G3K22N✱✱✱-MM02T◇◇TN	30, 40, 50, 60, 80, 100	1	No	8	259.5	Ø115
		G3K22N✱✱✱-MM02T◇◇TB◆			Yes	9.5	310	□126
	0.4 kW	G3K22N✱✱✱-MM04T◇◇TN	5, 10, 15, 20, 25	2	No	10	309.5	□137
		G3K22N✱✱✱-MM04T◇◇TB◆			Yes	11.5	329.5	□137

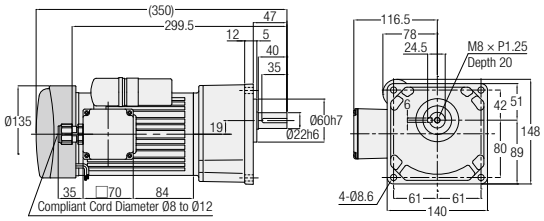
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 63 for the performance table.

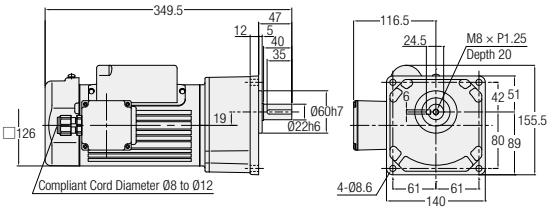
G3 Type Parallel Shaft | Shaft Diameter **22** | **Small Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

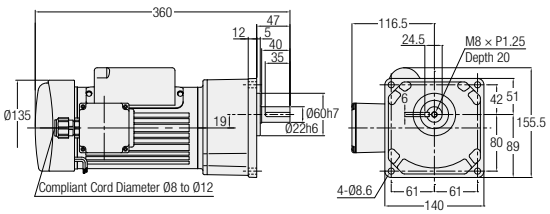
<Figure 1>



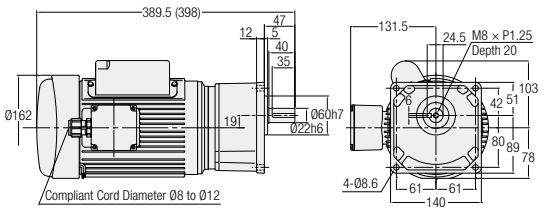
<Figure 2>



<Figure 3>



<Figure 4>



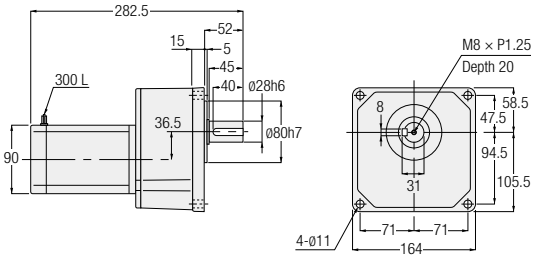
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.1 kW	G3K22N***-MM01C◇JAN	60, 80, 100, 120, 160, 200	1	No	9
		G3K22N***-MM01C◇JAB2			Yes	10.5
	0.2 kW	G3K22N***-MM02C◇JAN	30, 40, 50, 60, 80, 100	2	No	10
		G3K22N***-MM02C◇JAB2		3	Yes	11.5
	0.4 kW	G3K22N***-MM04C◇JAN	5, 10, 15, 20, 25	4	No	15.5
		G3K22N***-MM04C◇JAB2			Yes	18

Note: A reduction ratio will be indicated as *** in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 66 for the performance table.

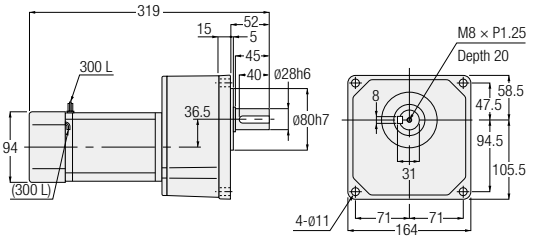
G Type Parallel Shaft | Shaft Diameter 28 | Small Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



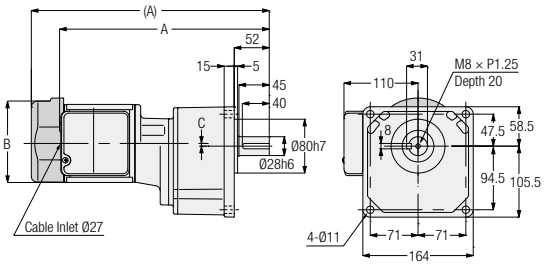
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	25 W	GKM-28-***-T25	1200, 1500, 1800	1	No	7
		GKM-28-***-T25W				
		GKMN-28-***-T25	1200, 1500, 1800	2	Yes	7
		GKMN-28-***-T25W				
	40 W	GKM-28-***-T40	600, 750, 900	1	No	7
		GKM-28-***-T40W				
		GKMN-28-***-T40	600, 750, 900	2	Yes	7
		GKMN-28-***-T40W				
	60 W	GKM-28-***-T60	600, 750, 900	1	No	7
		GKM-28-***-T60W				
		GKMN-28-***-T60	600, 750, 900	2	Yes	7
		GKMN-28-***-T60W				
	90 W	GKM-28-***-T90	300, 375, 450	1	No	7
		GKM-28-***-T90W		2		
		GKMN-28-***-T90	300, 375, 450	2	Yes	7
		GKMN-28-***-T90W				
1-Phase	25 W	GKM-28-***-S25	1200, 1500, 1800	1	No	7
		GKM-28-***-S25W				
		GKMN-28-***-S25	1200, 1500, 1800	2	Yes	7
		GKMN-28-***-S25W				
	40 W	GKM-28-***-S40	600, 750, 900	1	No	7
		GKM-28-***-S40W				
		GKMN-28-***-S40	600, 750, 900	2	Yes	7
		GKMN-28-***-S40W				
	60 W	GKM-28-***-S60	600, 750, 900	2	No	7
		GKM-28-***-S60W				
		GKMN-28-***-S60	600, 750, 900	2	Yes	7
		GKMN-28-***-S60W				
	90 W	GKM-28-***-S90	300, 375, 450	2	No	7
		GKM-28-***-S90W				
		GKMN-28-***-S90	300, 375, 450	2	Yes	7
		GKMN-28-***-S90W				

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 60 for the performance table.

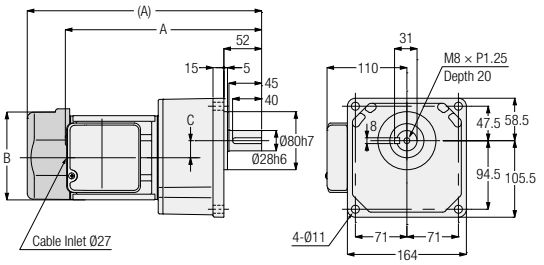
G3 Type Parallel Shaft | Shaft Diameter **28** | **Small Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

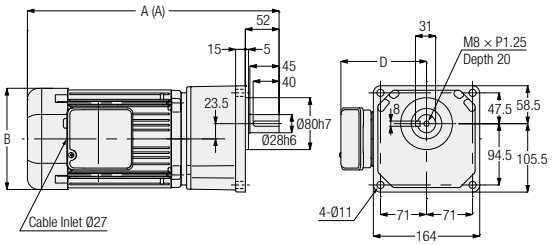
<Figure 1>



<Figure 2>



<Figure 3>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B	C	D
3-Phase	0.1 kW	G3K28N✱✱✱-MM01T◇◇TN	300, 375, 450	1	No	10.5	313.5	Ø115	4	-
		G3K28N✱✱✱-MM01T◇◇TB◆			Yes	12	353.5	□126	4	-
	0.2 kW	G3K28N✱✱✱-MM02T◇◇TN	100, 120, 160, 200	2	No	10	272.5	Ø115	23.5	-
		G3K28N✱✱✱-MM02T◇◇TB◆			Yes	11.5	323	□126	23.5	-
	0.4 kW	G3K28N✱✱✱-MM04T◇◇TN	30, 40, 50, 60, 80, 100	3	No	12	325.5	□137	-	117
		G3K28N✱✱✱-MM04T◇◇TB◆			Yes	13.5	345.5	□137	-	117
	0.75 kW	G3K28N✱✱✱-MD08T◇◇TN	5, 10, 15, 20, 25	3	No	19	368	□156	-	132
		G3K28N✱✱✱-MD08T◇◇TB◆			Yes	22.5	388	□156	-	132

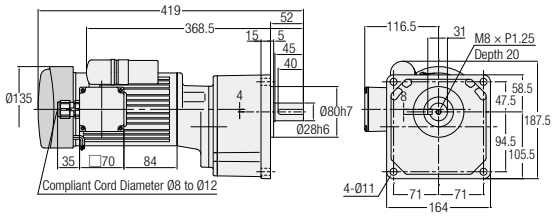
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 63 for the performance table.

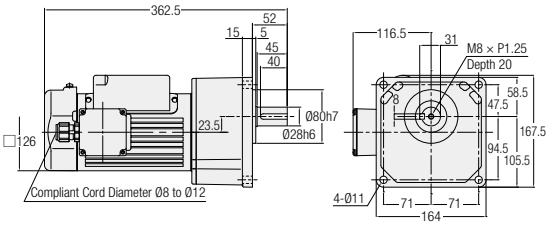
G3 Type Parallel Shaft | Shaft Diameter 28 | Small Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

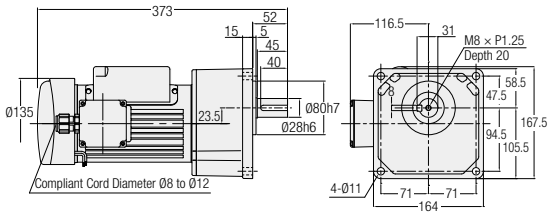
<Figure 1>



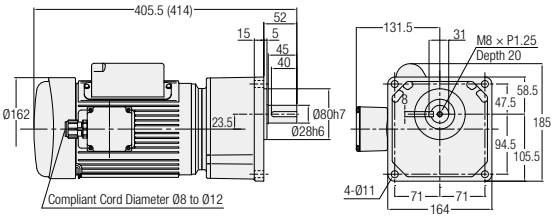
<Figure 2>



<Figure 3>



<Figure 4>



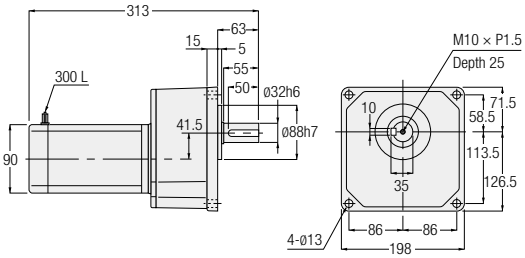
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.1 kW	G3K28N***-MM01C◇JAN	300, 375, 450	1	No	12
		G3K28N***-MM01C◇JAB2			Yes	13.5
	0.2 kW	G3K28N***-MM02C◇JAN	100, 120, 160, 200	2	No	12
		G3K28N***-MM02C◇JAB2		3	Yes	13.5
	0.4 kW	G3K28N***-MM04C◇JAN	30, 40, 50, 60, 80, 100	4	No	17.5
		G3K28N***-MM04C◇JAB2			Yes	20

Note: A reduction ratio will be indicated as *** in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 66 for the performance table.

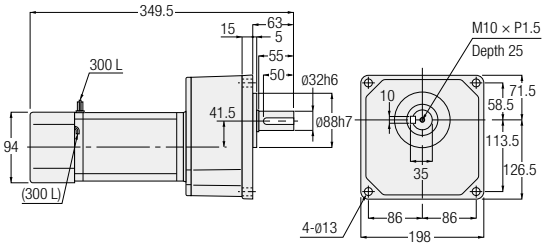
G Type Parallel Shaft | Shaft Diameter **32** | **Small Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



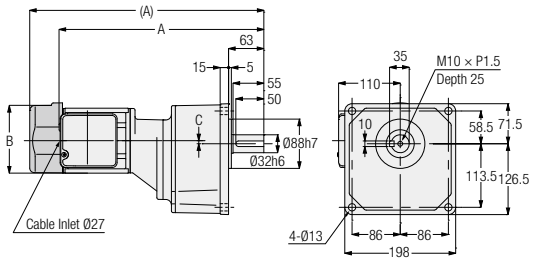
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	40 W	GKM-32-***-T40	1200, 1500, 1800	1	No	11
		GKM-32-***-T40W				
		GKMN-32-***-T40	1200, 1500, 1800	2	Yes	11
		GKMN-32-***-T40W				
	60 W	GKM-32-***-T60	1200, 1500, 1800	1	No	11
		GKM-32-***-T60W				
		GKMN-32-***-T60	1200, 1500, 1800	2	Yes	11
		GKMN-32-***-T60W				
	90 W	GKM-32-***-T90	600, 750, 900	1	No	11
		GKM-32-***-T90W		2		
		GKMN-32-***-T90	600, 750, 900	2	Yes	11
		GKMN-32-***-T90W				
1-Phase	40 W	GKM-32-***-S40	1200, 1500, 1800	1	No	11
		GKM-32-***-S40W				
		GKMN-32-***-S40	1200, 1500, 1800	2	Yes	11
		GKMN-32-***-S40W				
	60 W	GKM-32-***-S60	1200, 1500, 1800	2	No	11
		GKM-32-***-S60W				
		GKMN-32-***-S60	1200, 1500, 1800	2	Yes	11
		GKMN-32-***-S60W				
	90 W	GKM-32-***-S90	600, 750, 900	2	No	11
		GKM-32-***-S90W				
		GKMN-32-***-S90	600, 750, 900	2	Yes	11
		GKMN-32-***-S90W				

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 61 for the performance table.

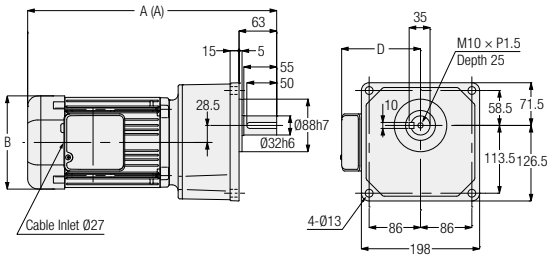
G3 Type Parallel Shaft | Shaft Diameter 32 | Small Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B	C	D
3-Phase	0.1 kW	G3K32N✱✱✱-MM01T◇◇TN	600, 750, 900, 1200	1	No	13.5	332.5	Ø115	-1	-
		G3K32N✱✱✱-MM01T◇◇TB◆			Yes	15	372.5	□126	-1	-
	0.2 kW	G3K32N✱✱✱-MM02T◇◇TN	300, 375, 450	1	No	14	367.5	Ø115	5.5	-
		G3K32N✱✱✱-MM02T◇◇TB◆			Yes	15.5	418	□126	5.5	-
	0.4 kW	G3K32N✱✱✱-MM04T◇◇TN	100, 120, 160, 200	2	No	15	344.5	□137	-	117
		G3K32N✱✱✱-MM04T◇◇TB◆			Yes	16.5	364.5	□137	-	117
	0.75 kW	G3K32N✱✱✱-MD08T◇◇TN	30, 40, 50, 60, 80, 100	2	No	22.5	397	□156	-	132
		G3K32N✱✱✱-MD08T◇◇TB◆			Yes	25	417	□156	-	132
	1.5 kW	G3K32N✱✱✱-MD15T◇◇TN	5, 10, 15, 20, 25	2	No	28.5	449	□178	-	139
		G3K32N✱✱✱-MD15T◇◇TB◆			Yes	32	478	□178	-	139

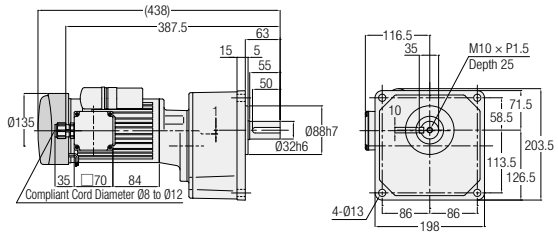
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 63 for the performance table.

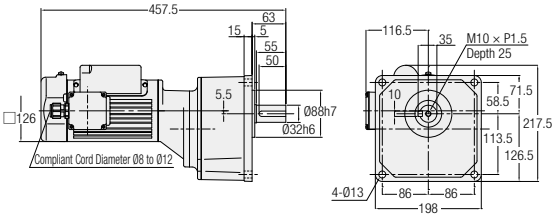
G3 Type Parallel Shaft | Shaft Diameter **32** | **Small Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

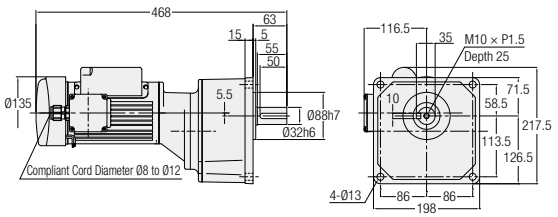
<Figure 1>



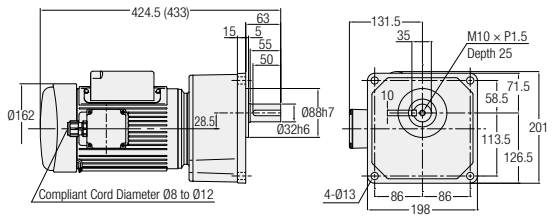
<Figure 2>



<Figure 3>



<Figure 4>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
1-Phase	0.1 kW	G3K32N✱✱✱-MM01C◇JAN	600, 750, 900, 1200	1	No	15
		G3K32N✱✱✱-MM01C◇JAB2			Yes	16.5
	0.2 kW	G3K32N✱✱✱-MM02C◇JAN	300, 375, 450	2	No	16
		G3K32N✱✱✱-MM02C◇JAB2		3	Yes	17.5
	0.4 kW	G3K32N✱✱✱-MM04C◇JAN	100, 120, 160, 200	4	No	20.5
		G3K32N✱✱✱-MM04C◇JAB2			Yes	23

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 66 for the performance table.

2. IP65 Gearmotors
IP65 Gearmotors with Brake

2-1. Motor Characteristics Table

G Type 3-Phase Standard Voltage

Series	Power (W)	Voltage (V)	Frequency (Hz)	Frame Size	Rated Current (A)	Rated Speed (r/min)	Startup Current (A)
MINI	15	200/200/220	50/60/60	12	0.14/0.13/0.13	1350/1550/1600	0.30/0.28/0.31
	25	200/200/220	50/60/60	12	0.21/0.19/0.19	1350/1550/1600	0.44/0.42/0.46
				15	0.18/0.17/0.17	1350/1550/1600	0.43/0.41/0.46
	40	200/200/220	50/60/60	12	0.29/0.27/0.27	1350/1550/1600	0.67/0.62/0.68
				15	0.27/0.26/0.26	1350/1550/1550	0.73/0.69/0.76
				18	0.21/0.21/0.21	1350/1550/1600	0.66/0.64/0.70
	60	200/200/220	50/60/60	15	0.40/0.36/0.36	1350/1550/1600	1.04/0.97/1.07
				18	0.33/0.33/0.33	1350/1550/1600	1.06/1.01/1.11
	90	200/200/220	50/60/60	18	0.47/0.47/0.47	1350/1550/1600	1.59/1.51/1.66

G Type 1-Phase Standard Voltage

Series	Power (W)	Voltage (V)	Frequency (Hz)	Frame Size	Rated Current (A)	Rated Speed (r/min)	Startup Current (A)	Capacitor (μF)
MINI	15	100/100	50/60	12	0.39/0.35	1350/1650	0.72/0.67	5
	25	100/100	50/60	12	0.48/0.48	1350/1600	0.86/0.80	7
				15	0.44/0.45	1350/1650	1.00/0.92	7
	40	100/100	50/60	15	0.61/0.66	1350/1650	1.43/1.36	10
				18	0.63/0.64	1400/1650	2.16/2.00	10
	60	100/100	50/60	18	0.90/1.00	1400/1650	2.55/2.37	15

The rated current in the motor characteristics table is the current data for the motor operating without a gearbox.
With regard to gearmotors with a brake, it is necessary to consider the current value flowing through the brake as needed.
For more details, please contact your nearest Sales Office or the CS Center.

G Type 3-Phase Standard Voltage/High Voltage (400 V Class)/Special Voltage

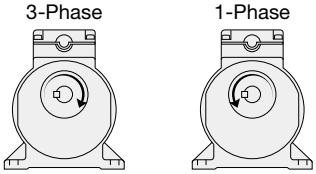
Series	Power	Power Supply/ Certification Codes	Voltage (V)	Frequency (Hz)	Rated Current (A)	Startup Current (A)	Rated Speed (r/min)
MID	0.1 kW	NN	200/200/220	50/60/60	0.61/0.54/0.54	2.39/2.27/2.52	1410/1690/1710
		WN	380/400/400/440	50/50/60/60	0.31/0.31/0.28/0.28	1.12/1.18/1.12/1.22	1400/1410/1690/1720
		KN	220/380	60/60	0.52/0.30	1.90/1.10	1680/1680
		CN	220/230/380	50/50/50	0.55/0.54/0.31	1.94/2.03/1.12	1400/1410/1400
		AN	208/230/460/400	60/60/60/50	0.54/0.57/0.29/0.31	2.35/2.62/1.26/1.21	1690/1730/1730/1410
		EN	415/440/480	50/50/60	0.30/0.29/0.26	1.06/1.12/1.17	1390/1420/1720
		MA	575	60	0.20	0.87	1700
	0.2 kW IE2	NN	200/200/220	50/60/60	1.1/1.0/1.0	4.70/4.35/4.85	1400/1680/1700
		WN	380/400/400/440	50/50/60/60	0.56/0.56/0.50/0.50	2.29/2.38/2.29/2.48	1390/1400/1680/1710
		KN	220/380	60/60	0.93/0.52	3.70/2.20	1680/1680
		CN	220/230/380	50/50/50	0.99/0.98/0.56	3.97/4.15/2.29	1400/1410/1390
		AN	208/230/460/400	60/60/60/50	1.0/1.0/0.50/0.56	4.78/5.16/2.56/2.44	1680/1720/1720/1400
		EN	415/440/480	50/50/60	0.50/0.50/0.45	1.75/1.86/2.00	1370/1400/1700
		MA	575	60	0.40	1.78	1710
	0.4 kW IE2	NN	200/200/220	50/60/60	2.1/1.8/1.8	9.50/8.60/9.60	1400/1680/1700
		WN	380/400/400/440	50/50/60/60	1.0/1.0/0.9/0.9	4.35/4.65/4.30/4.75	1390/1400/1680/1710
		KN	220/380	60/60	1.7/1.0	7.10/4.00	1670/1670
		CN	220/230/380	50/50/50	1.8/1.8/1.0	7.53/7.88/4.35	1390/1400/1390
		AN	208/230/460/400	60/60/60/50	1.8/1.8/0.9/1.0	8.90/9.76/4.73/4.78	1680/1720/1720/1400
		EN	415/440/480	50/50/60	0.96/0.95/0.82	3.96/4.20/4.20	1390/1410/1680
		MA	575	60	0.68	3.51	1700
	0.75 kW IE3	NN	200/200/220	50/60/60	3.2/3.0/2.9	19.1/16.6/18.6	1440/1720/1740
		WN	380/400/400/440	50/50/60/60	1.65/1.60/1.50/1.40	9.00/9.60/8.30/9.30	1430/1440/1730/1740
		KN	220/380	60/60	2.8/1.6	17.9/10.8	1750/1750
		CN	220/230/380	50/50/50	2.8/2.7/1.65	15.6/16.3/9.00	1430/1440/1430
		AN	208/230/460/400	60/60/60/50	2.9/2.8/1.4/1.6	18.3/19.6/10.2/10.0	1740/1750/1750/1440
		EN	415/440/480	50/50/60	1.50/1.50/1.35	9.1/9.65/9.70	1440/1450/1750
		MA	575	60	1.10	6.60	1750
	1.5 kW IE3	NN	200/200/220	50/60/60	6.4/6.0/5.7	43.5/36.0/40.3	1450/1740/1750
		WN	380/400/400/440	50/50/60/60	3.3/3.2/3.0/2.9	21.7/23.1/18.6/20.7	1440/1450/1740/1750
		KN	220/380	60/60	5.6/3.2	43.2/24.3	1760/1760
		CN	220/230/380	50/50/50	5.6/5.6/3.3	37.6/39.3/21.7	1450/1460/1440
		AN	208/230/460/400	60/60/60/50	5.9/5.7/2.9/3.2	42.3/45.3/23.0/24.3	1750/1760/1760/1450
		EN	415/440/480	50/50/60	3.0/3.0/2.7	19.8/21.0/18.5	1460/1470/1760
		MA	575	60	2.2	15.3	1760
	2.2 kW IE3	NN	200/200/220	50/60/60	8.8/8.4/7.9	58.5/47.0/52.5	1450/1740/1750
		WN	380/400/400/440	50/50/60/60	4.5/4.4/4.2/3.9	30.0/32.0/25.0/28.0	1440/1450/1740/1750
		KN	220/380	60/60	7.8/4.5	56.4/32.3	1760/1760
		CN	220/230/380	50/50/50	7.9/7.7/4.5	52.0/54.3/30.0	1460/1470/1440
		AN	208/230/460/400	60/60/60/50	8.3/7.9/4.0/4.5	60.8/65.2/34.8/36.3	1750/1770/1770/1470
		EN	415/440/480	50/50/60	4.3/4.3/3.8	33.1/35.5/29.8	1460/1470/1770
		MA	575	60	3.3	24.4	1760

The rated current in the motor characteristics table is the current data for the motor operating without a gearbox.
With regard to gearmotors with a brake, it is necessary to consider the current value flowing through the brake as needed.
For more details, please contact your nearest Sales Office or the CS Center.

2-2. Performance Table

G Type IP65 Gearmotors/IP65 Gearmotors with Brake

[Notes]
- The output shaft speed is the value relative to the synchronous speed of the motor and the reduction ratio.
- Allowable output shaft O.H.L. is the value at the middle of the output shaft.
- The "*" mark indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.
- In the performance table, the reduction ratio in ▭ indicates that when the connection is made as shown on page 510 (CW), the direction of rotation is clockwise in the case of a three-phase motor or counterclockwise in the case of a single-phase motor when viewed from the output shaft side. (Refer to the figure on the right)

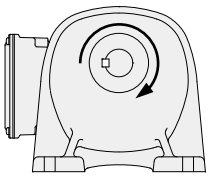


Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min 50 Hz	Output Shaft Speed r/min 60 Hz	Allowable Output Shaft Torque N·m	Allowable Output Shaft O.H.L. N	Drawings Foot Mount	Drawings Flange Mount
MINI	15 W	12	1/5	1/5	300	360	0.29	98	P.123	P.130
			1/7.5	1/7.5	200	240	0.49	196		
			1/10	1/10	150	180	0.69	245		
			1/15	1/15	100	120	0.98	343		
			1/20	1/20	75	90	1.27	441		
			1/25	1/25	60	72	1.67	490		
			1/30	1/29	50	60	1.96	539		
			1/40	1/40	37.5	45	2.65	588		
			1/50	1/50	30	36	3.33	637		
			1/60	1/58	25	30	3.92	686		
			1/80	1/80	18.8	22.5	5.00	735		
			1/100	1/100	15	18	6.27	735		
			1/120	1/120	12.5	15	7.45	784		
			1/160	1/160	9.4	11.2	9.80	784		
			1/200	1/200	7.5	9	12.7	784		
			1/240	1/232	6.3	7.5	14.7	784		
	25 W	12	1/5	1/5	300	360	0.59	98	P.123	P.130
			1/7.5	1/7.5	200	240	0.78	196		
			1/10	1/10	150	180	1.08	245		
			1/15	1/15	100	120	1.67	343		
			1/20	1/20	75	90	2.25	441		
			1/25	1/25	60	72	2.74	490		
			1/30	1/29	50	60	3.33	539		
			1/40	1/40	37.5	45	4.41	588		
			1/50	1/50	30	36	5.49	637		
			1/60	1/58	25	30	6.66	686		
			1/80	1/80	18.8	22.5	8.43	735		
			1/100	1/100	15	18	10.8	735		
			1/120	1/120	12.5	15	12.7	784		
		15	1/160	1/160	9.4	11.2	16.7	1080	P.123	P.130
			1/200	1/200	7.5	9	20.6	1080		
			1/240	1/232	6.3	7.5	25.5	1080		
	40 W	12	1/5	1/5	300	360	0.88	98	P.123	P.130
			1/7.5	1/7.5	200	240	1.37	196		
			1/10	1/10	150	180	1.76	245		
			1/15	1/15	100	120	2.65	343		
			1/20	1/20	75	90	3.53	441		
			1/25	1/25	60	72	4.41	490		
			1/30	1/29	50	60	5.29	539		
			1/40	1/40	37.5	45	7.06	588		
			1/50	1/50	30	36	8.82	637		
			1/60	1/58	25	30	10.8	686		
		15	1/80	1/80	18.8	22.5	13.7	980	P.123	P.130
			1/100	1/100	15	18	16.7	980		
			1/120	1/120	12.5	15	20.6	1080		
		18	1/160	1/160	9.4	11.2	26.5	1370	P.124	P.131
			1/200	1/200	7.5	9	33.3	1370		
			1/240	1/240	6.3	7.5	40.2	1370		

Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft Torque	Allowable Output Shaft O.H.L.	Drawings	
					50 Hz	60 Hz	N·m	N	Foot Mount	Flange Mount
MINI	60 W	15	1/5	1/5	300	360	1.37	98	P.123	P.130
			1/7.5	1/7.5	200	240	2.06	196		
			1/10	1/10	150	180	2.74	245		
			1/15	1/15	100	120	4.12	343		
			1/20	1/20	75	90	5.49	441		
			1/25	1/25	60	72	6.96	490		
			1/30	1/29	50	60	8.33	539		
			1/40	1/40	37.5	45	10.8	784		
			1/50	1/50	30	36	13.7	882		
			1/60	1/58	25	30	16.7	882		
		18	1/80	1/80	18.8	22.5	20.6	1270	P.124	P.131
			1/100	1/100	15	18	26.5	1270		
			1/120	1/120	12.5	15	31.4	1370		
			1/160	1/160	9.4	11.2	42.1	1370		
			1/200	1/200	7.5	9	52.9	1370		
			* 1/240	1/240	6.3	7.5	53.9	1370		
	90 W	18	1/5	1/5	300	360	2.06	147	P.124	P.131
			1/7.5	1/7.5	200	240	3.14	245		
			1/10	1/10	150	180	4.12	343		
			1/15	1/15	100	120	6.17	441		
			1/20	1/20	75	90	8.33	539		
			1/25	1/25	60	72	10.8	588		
			1/30	1/29	50	60	12.7	686		
			1/40	1/40	37.5	45	16.7	1080		
			1/50	1/50	30	36	20.6	1180		
			1/60	1/60	25	30	24.5	1180		
			1/80	1/80	18.8	22.5	31.4	1270		
			1/100	1/100	15	18	39.2	1270		
			1/120	1/120	12.5	15	47.0	1370		
			* 1/160	1/160	9.4	11.2	53.9	1370		
			* 1/200	1/200	7.5	9	53.9	1370		
			* 1/240	1/240	6.3	7.5	53.9	1370		

G3 Type IP65 Gearmotors/IP65 Gearmotors with Brake

[Notes]
- The output shaft speed is the value relative to the synchronous speed of the motor and the reduction ratio.
- ▭ in the performance table indicates that the shaft rotates clockwise when viewed from the output shaft side when the connection is made as shown on page 512 (CW). (Refer to the figure on the right)
- Allowable output shaft O.H.L. is the value at the middle of the output shaft.
- The "*" mark indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.



Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft Torque N·m		Allowable Output Shaft O.H.L.	Drawings		
					50 Hz	60 Hz	50 Hz	60 Hz	N	Foot Mount	Flange Mount	Small Flange Mount
MID	3-Phase 0.1 kW	18	1/5	33/164	300	360	3	2.5	770	P.124	P.131	P.137
			1/10	77/779	150	180	6.1	5	1140			
			1/15	119/1804	100	120	9.1	7.5	1270			
			1/20	49/984	75	90	12	9.8	1530			
			1/25	28/697	60	72	15	12.7	1650			
			1/30	35/1066	50	60	19	14.7	1780			
			1/40	35/1404	37.5	45	24	19.6	1910			
			1/50	7/351	30	36	29	24.5	2040			
		22	1/60	11/684	25	30	35	29.4	2800	P.125	P.132	P.138
			1/80	21/1634	18.8	22.5	47	39.2	3180			
			1/100	7/684	15	18	59	49	3180			
			1/120	147/17974	12.5	15	71	58.8	3180			
			1/160	21/3268	9.4	11.2	94	78.4	3180			
			1/200	21/4085	7.5	9	117	98	3180			
		28	1/300	221/65190	5	6	157	130	3430	P.126	P.133	P.139
			1/375	187/68370	4	4.8	196	163	3430			
			1/450	1183/521520	3.3	4	235	196	3430			
		32	1/600	147/88192	2.5	3	313	261	5880	P.127	P.134	P.140
			1/750	49/36464	2	2.4	391	326	5880			
			* 1/900	62/57063	1.7	2	431	391	5880			
			* 1/1200	46/55195	1.3	1.5	431	431	5880			
	3-Phase 0.2 kW	18	1/5	33/164	300	360	6.1	5	770	P.124	P.131	P.137
			1/10	77/779	150	180	11.8	9.8	1140			
			1/15	119/1804	100	120	18.6	14.7	1270			
			1/20	49/984	75	90	24.5	20.6	1450			
			1/25	28/697	60	72	30.4	25.5	1550			
		22	1/30	7/216	50	60	36.3	30.4	2280	P.125	P.132	P.138
			1/40	91/3600	37.5	45	47	39.2	2410			
			1/50	11/540	30	36	58.8	49	2540			
			1/60	637/39600	25	30	70.6	58.8	2800			
			1/80	91/7200	18.8	22.5	94.1	78.4	3000			
			* 1/100	11/1080	15	18	97	80.4	3180			
		28	1/100	13/1353	15	18	117	98	3690	P.126	P.133	P.139
			1/120	91/11000	12.5	15	140	117	4320			
			1/160	1/165	9.4	11.2	187	156	4450			
			1/200	7/1375	7.5	9	234	195	4450			
		32	1/300	91/27348	5	6	313	261	5880	P.127	P.134	P.140
			1/375	77/28620	4	4.8	391	326	5880			
			1/450	91/41022	3.3	4	431	391	5880			
		40	1/600	9/5300	2.5	3	626	521	7060	P.128	P.135	-
			* 1/750	62/46427	2	2.4	764	653	7060			
			* 1/900	23/21259	1.7	2	764	764	7060			
			* 1/1200	9/10600	1.3	1.5	764	764	7060			

Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft Torque N·m		Allowable Output Shaft O.H.L.	Drawings		
					50 Hz	60 Hz	50 Hz	60 Hz	N	Foot Mount	Flange Mount	Small Flange Mount
MID	3-Phase 0.4 kW	22	1/5	7/34	300	360	12	10	1140	P.125	P.132	P.138
			1/10	7/68	150	180	25	21	1530			
			1/15	49/748	100	120	36	30	1780			
			1/20	7/136	75	90	48	40	1910			
			1/25	7/170	60	72	61	50	2050			
		28	1/30	1/30	50	60	73	61	3310	P.126	P.133	P.139
			1/40	221/8610	37.5	45	94	78	3690			
			1/50	187/9030	30	36	117	98	4080			
			1/60	169/9840	25	30	140	117	4450			
			1/80	65/5166	18.8	22.5	187	156	4450			
			* 1/100	55/5418	15	18	193	161	4450			
		32	1/100	7/688	15	18	234	195	6370	P.127	P.134	P.140
			1/120	77/9360	12.5	15	281	234	7640			
			1/160	21/3328	9.4	11.2	374	313	7640			
			1/200	189/38272	7.5	9	431	390	7640			
		40	1/300	7/2160	5	6	626	521	7060	P.128	P.135	-
			* 1/375	77/29328	4	4.8	764	653	7060			
			* 1/450	49/21600	3.3	4	764	764	7060			
		50	* 1/600	57/35360	2.5	3	1225	1044	9800	P.129	P.136	-
			* 1/750	25/19448	2	2.4	1225	1225	9800			
			* 1/900	5/4338	1.7	2	1225	1225	9800			
			* 1/1200	33/40664	1.3	1.5	1225	1225	9800			
	3-Phase 0.75 kW	28	1/5	91/459	300	360	23	19	1650	P.126	P.133	P.139
			1/10	1/10	150	180	45	38	2280			
			1/15	91/1360	100	120	68	57	2800			
			1/20	5/102	75	90	91	75	3050			
			1/25	7/170	60	72	114	94	3180			
		32	1/30	3/92	50	60	136	114	5220	P.127	P.134	P.140
			1/40	13/516	37.5	45	175	146	5470			
			1/50	11/540	30	36	220	183	5780			
			1/60	13/774	25	30	264	220	6080			
			1/80	13/1032	18.8	22.5	351	293	6180			
			* 1/100	11/1080	15	18	362	302	6770			
		40	1/100	91/9000	15	18	439	366	9170	P.128	P.135	-
			1/120	77/9400	12.5	15	527	439	9170			
			1/160	9/1400	9.4	11.2	703	585	9170			
			1/200	9/1750	7.5	9	764	732	9170			
		50	1/300	211/62013	5	6	1176	978	9800	P.129	P.136	-
			* 1/375	94/36103	4	4.8	1225	1225	9800			
			* 1/450	65/29167	3.3	4	1225	1225	9800			

Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft Torque N·m		Allowable Output Shaft O.H.L. N	Drawings		
					50 Hz	60 Hz	50 Hz	60 Hz		Foot Mount	Flange Mount	Small Flange Mount
MID	3-Phase 1.5 kW	32	1/5	1/5	300	360	45	38	2280	P.127	P.134	P.140
			1/10	1/10	150	180	91	75	3180			
			1/15	1/15	100	120	136	114	3690			
			1/20	1/20	75	90	181	151	4190			
			1/25	9/230	60	72	226	189	4410			
		40	1/30	1/30	50	60	272	226	6600	P.128	P.135	-
			1/40	13/540	37.5	45	351	293	6960			
			1/50	11/564	30	36	439	366	6960			
			1/60	91/5400	25	30	527	439	7210			
			1/80	13/1080	18.8	22.5	703	585	7400			
			* 1/100	11/1128	15	18	724	603	7400			
		50	1/100	25/2618	15	18	878	732	12500	P.129	P.136	-
			1/120	77/8993	12.5	15	1060	878	12500			
			* 1/160	33/5474	9.4	11.2	1230	1170	12500			
			* 1/200	30/5831	7.5	9	1230	1230	12500			
	3-Phase 2.2 kW	40	1/5	7/36	300	360	67	56	2800	P.128	P.135	-
			1/10	7/72	150	180	133	111	4080			
			1/15	49/720	100	120	200	167	4580			
			1/20	7/144	75	90	266	221	5220			
			1/25	7/180	60	72	332	277	6110			
		50	1/30	5/154	50	60	399	332	9040	P.129	P.136	-
			1/40	399/15488	37.5	45	515	429	9420			
			1/50	399/20240	30	36	644	537	10000			
			1/60	49/2904	25	30	773	644	10000			
			1/80	49/3795	18.8	22.5	1029	858	10100			
			* 1/100	21/2116	15	18	1230	1080	10100			

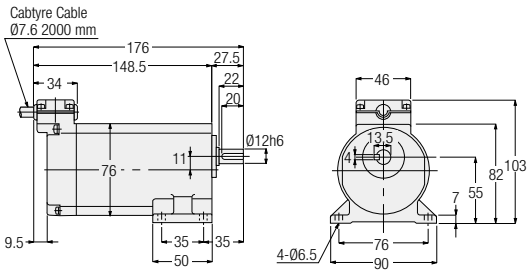
Note 1: Please be sure to read the notes on page 120.

2-3. Drawings

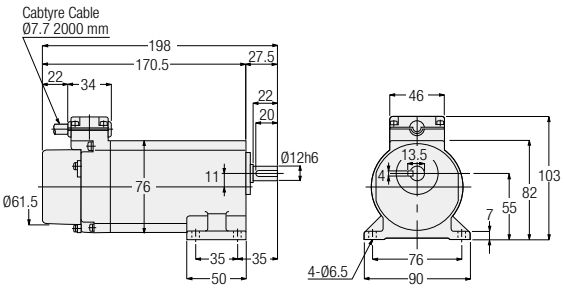
G Type Parallel Shaft | Shaft Diameter **12** | **Foot** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>

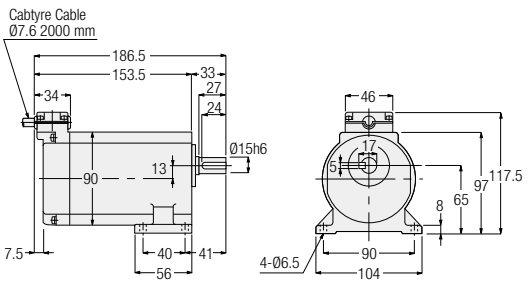


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	15 W	GLW-12-***-T15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	No	2
		GLV-12-***-T15		2	Yes	
	25 W	GLW-12-***-T25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	1	No	2
		GLV-12-***-T25		2	Yes	
	40 W	GLW-12-***-T40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	1	No	2
		GLV-12-***-T40		2	Yes	
1-Phase	15 W	GLW-12-***-S15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	No	2
		GLV-12-***-S15		2	Yes	
	25 W	GLW-12-***-S25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	1	No	2
		GLV-12-***-S25		2	Yes	

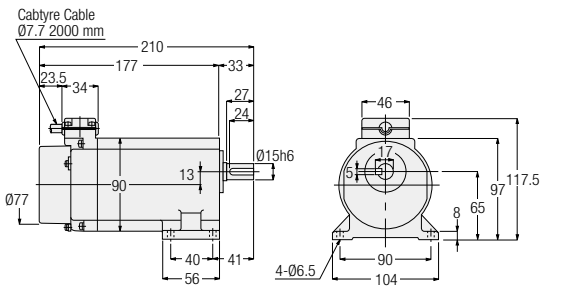
Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 118 for the performance table.

G Type Parallel Shaft | Shaft Diameter **15** | **Foot** Mounting

<Figure 3>



<Figure 4>



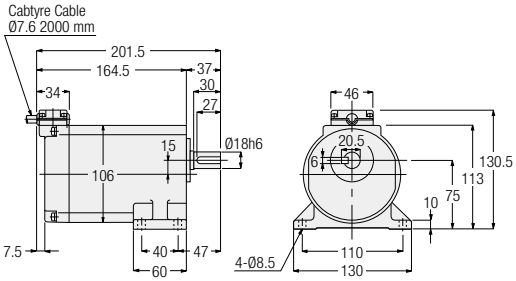
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	25 W	GLW-15-***-T25	160, 200, 240	3	No	3
		GLV-15-***-T25		4	Yes	
	40 W	GLW-15-***-T40	80, 100, 120	3	No	3
		GLV-15-***-T40		4	Yes	
	60 W	GLW-15-***-T60	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	3	No	3
		GLV-15-***-T60		4	Yes	
1-Phase	25 W	GLW-15-***-S25	160, 200, 240	3	No	3
		GLV-15-***-S25		4	Yes	
	40 W	GLW-15-***-S40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	3	No	3
		GLV-15-***-S40		4	Yes	

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 118 for the performance table.

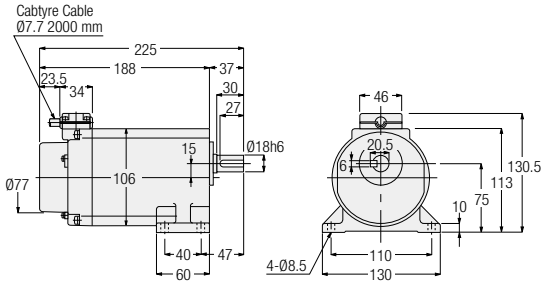
G Type Parallel Shaft | Shaft Diameter 18 | Foot Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>

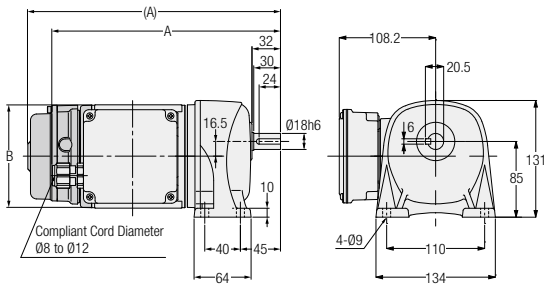


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	40 W	GLW-18-✱✱✱-T40	160, 200, 240	1	No	4
		GLV-18-✱✱✱-T40		2	Yes	
	60 W	GLW-18-✱✱✱-T60	80, 100, 120, 160, 200, 240	1	No	4
		GLV-18-✱✱✱-T60		2	Yes	
	90 W	GLW-18-✱✱✱-T90	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	No	4
		GLV-18-✱✱✱-T90		2	Yes	
1-Phase	40 W	GLW-18-✱✱✱-S40	160, 200, 240	1	No	4
		GLV-18-✱✱✱-S40		2	Yes	
	60 W	GLW-18-✱✱✱-S60	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	No	4
		GLV-18-✱✱✱-S60		2	Yes	

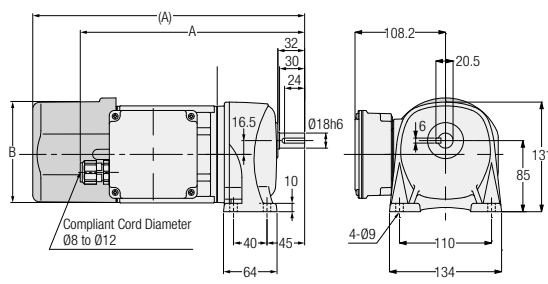
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 118 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 18 | Foot Mounting

<Figure 3>



<Figure 4>



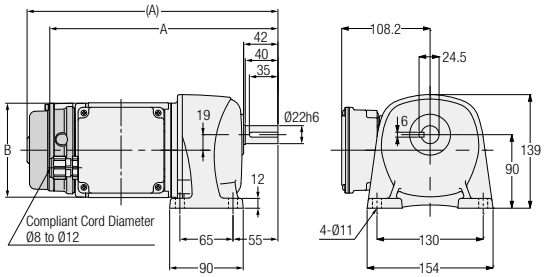
Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3L18S✱✱✱-WM01T◇◇EN	G3L18N✱✱✱-WM01T◇◇EN	5, 10, 15, 20, 25, 30, 40, 50	3	No	6	253.5	Ø115
		G3L18S✱✱✱-WM01T◇◇EV◆	G3L18N✱✱✱-WM01T◇◇EV◆			Yes	7.5	281	Ø115
	0.2 kW	G3L18S✱✱✱-WM02T◇◇EN	G3L18N✱✱✱-WM02T◇◇EN	5, 10, 15, 20, 25	4	No	6.5	268.5	Ø115
		G3L18S✱✱✱-WM02T◇◇EV◆	G3L18N✱✱✱-WM02T◇◇EV◆			Yes	8	325	□126

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.
Note: Please refer to page 120 for the performance table.
Note: For the dimensions of the output shaft key, refer to page 905.
Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

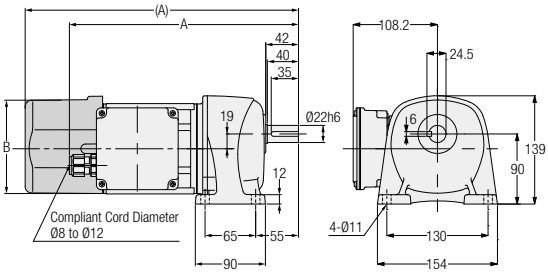
G3 Type Parallel Shaft | Shaft Diameter **22** | **Foot** Mounting

The values in parenthesis are those for gearmotors with a brake.

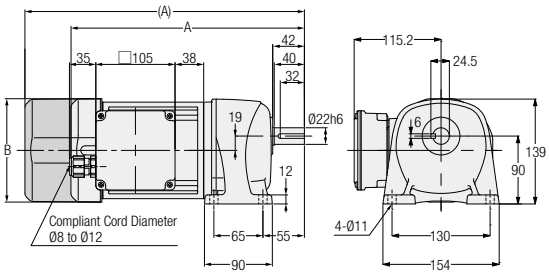
<Figure 1>



<Figure 2>



<Figure 3>



Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3L22S✱✱✱-WM01T◇◇EN	G3L22N✱✱✱-WM01T◇◇EN	60, 80, 100, 120, 160, 200	1	No	7	279.5	Ø115
		G3L22S✱✱✱-WM01T◇◇EV◆	G3L22N✱✱✱-WM01T◇◇EV◆			Yes	8.5	307	Ø115
	0.2 kW	G3L22S✱✱✱-WM02T◇◇EN	G3L22N✱✱✱-WM02T◇◇EN	30, 40, 50, 60, 80, 100	2	No	7.5	294.5	Ø115
		G3L22S✱✱✱-WM02T◇◇EV◆	G3L22N✱✱✱-WM02T◇◇EV◆			Yes	9	351	□126
	0.4 kW	G3L22S✱✱✱-WM04T◇◇EN	G3L22N✱✱✱-WM04T◇◇EN	5, 10, 15, 20, 25	3	No	9.5	309.5	□137
		G3L22S✱✱✱-WM04T◇◇EV◆	G3L22N✱✱✱-WM04T◇◇EV◆			Yes	11	370.5	□137

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 120 for the performance table.

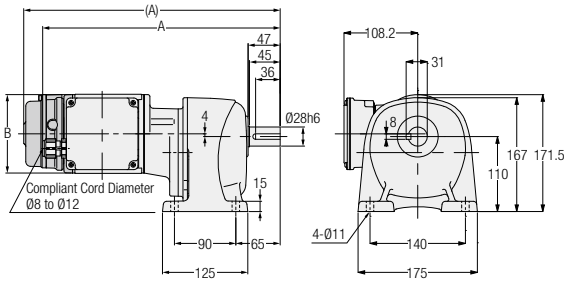
Note: For the dimensions of the output shaft key, refer to page 905.

Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

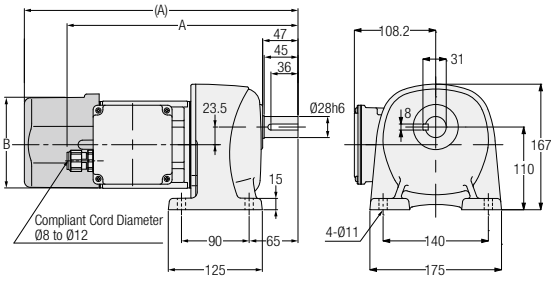
G3 Type Parallel Shaft | Shaft Diameter 28 | Foot Mounting

The values in parenthesis are those for gearmotors with a brake.

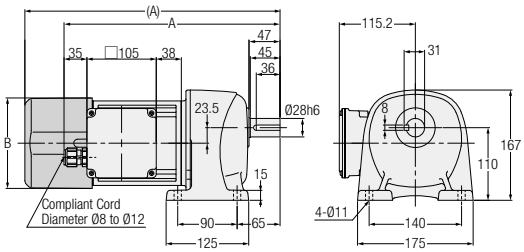
<Figure 1>



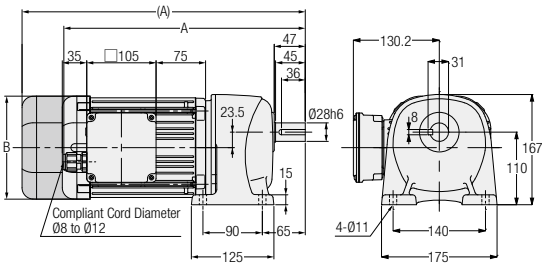
<Figure 2>



<Figure 3>



<Figure 4>



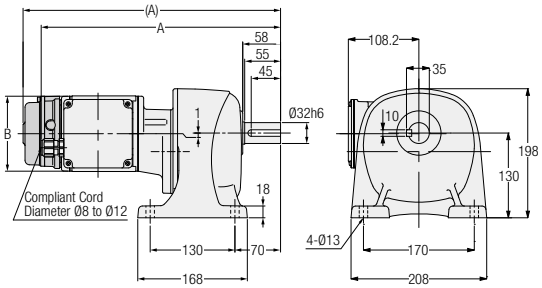
Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3L28S✱✱✱-WM01T◇◇EN	G3L28N✱✱✱-WM01T◇◇EN	300, 375, 450	1	No	10	348.5	Ø115
		G3L28S✱✱✱-WM01T◇◇EV◆	G3L28N✱✱✱-WM01T◇◇EV◆			Yes	11.5	376	Ø115
	0.2 kW	G3L28S✱✱✱-WM02T◇◇EN	G3L28N✱✱✱-WM02T◇◇EN	100, 120, 160, 200	2	No	9.5	307.5	Ø115
		G3L28S✱✱✱-WM02T◇◇EV◆	G3L28N✱✱✱-WM02T◇◇EV◆			Yes	11	364	□126
	0.4 kW	G3L28S✱✱✱-WM04T◇◇EN	G3L28N✱✱✱-WM04T◇◇EN	30, 40, 50, 60, 80, 100	3	No	11.5	325.5	□137
		G3L28S✱✱✱-WM04T◇◇EV◆	G3L28N✱✱✱-WM04T◇◇EV◆			Yes	13	386.5	□137
	0.75 kW	G3L28S✱✱✱-WD08T◇◇EN	G3L28N✱✱✱-WD08T◇◇EN	5, 10, 15, 20, 25	4	No	18.5	368	□156
		G3L28S✱✱✱-WD08T◇◇EV◆	G3L28N✱✱✱-WD08T◇◇EV◆			Yes	21	429	□156

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.
Note: Please refer to page 120 for the performance table.
Note: For the dimensions of the output shaft key, refer to page 905.
Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

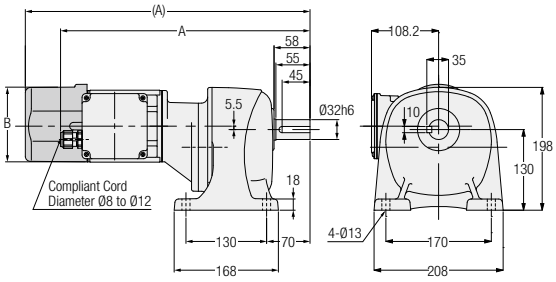
G3 Type Parallel Shaft | Shaft Diameter **32** | **Foot** Mounting

The values in parenthesis are those for gearmotors with a brake.

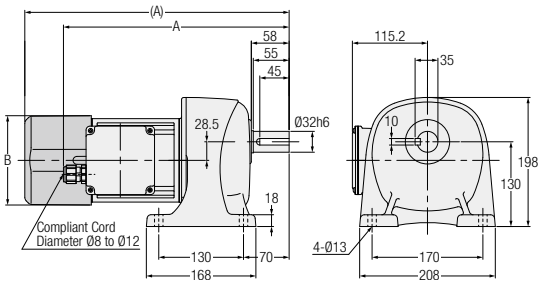
<Figure 1>



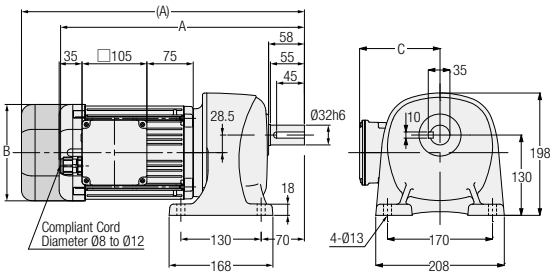
<Figure 2>



<Figure 3>



<Figure 4>



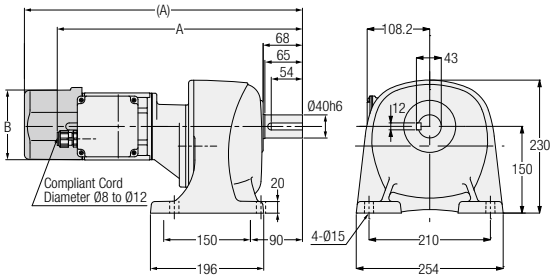
Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B	C
3-Phase	0.1 kW	G3L32S✱✱✱-WM01T◇◇EN	G3L32N✱✱✱-WM01T◇◇EN	600, 750, 900, 1200	1	No	13	367.5	Ø115	-
		G3L32S✱✱✱-WM01T◇◇EV◆	G3L32N✱✱✱-WM01T◇◇EV◆			Yes	14.5	395	Ø115	-
	0.2 kW	G3L32S✱✱✱-WM02T◇◇EN	G3L32N✱✱✱-WM02T◇◇EN	300, 375, 450	2	No	13.5	402.5	Ø115	-
		G3L32S✱✱✱-WM02T◇◇EV◆	G3L32N✱✱✱-WM02T◇◇EV◆			Yes	15	459	□126	-
	0.4 kW	G3L32S✱✱✱-WM04T◇◇EN	G3L32N✱✱✱-WM04T◇◇EN	100, 120, 160, 200	3	No	14.5	344.5	□137	115.2
		G3L32S✱✱✱-WM04T◇◇EV◆	G3L32N✱✱✱-WM04T◇◇EV◆			Yes	16	405.5	□137	115.2
	0.75 kW	G3L32S✱✱✱-WD08T◇◇EN	G3L32N✱✱✱-WD08T◇◇EN	30, 40, 50, 60, 80, 100	4	No	22	397	□156	130.2
		G3L32S✱✱✱-WD08T◇◇EV◆	G3L32N✱✱✱-WD08T◇◇EV◆			Yes	24.5	458	□156	130.2
	1.5 kW	G3L32S✱✱✱-WD15T◇◇EN	G3L32N✱✱✱-WD15T◇◇EN	5, 10, 15, 20, 25	4	No	28	449	□178	137.2

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.
Note: There are no gearmotors with motor power of 1.5 kW that have a brake.
Note: Please refer to page 120 for the performance table.
Note: For the dimensions of the output shaft key, refer to page 905.
Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

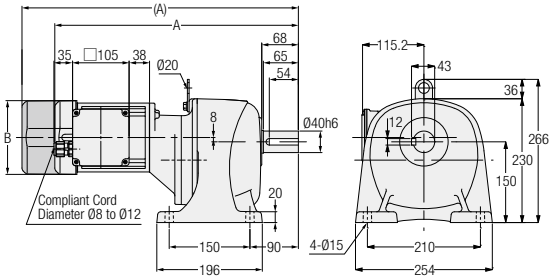
G3 Type Parallel Shaft | Shaft Diameter 40 | Foot Mounting

The values in parenthesis are those for gearmotors with a brake.

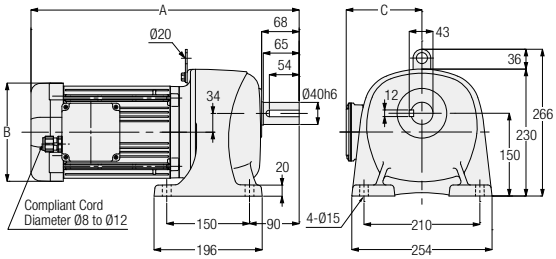
<Figure 1>



<Figure 2>



<Figure 3>



Note: Gearmotors with a motor power of 0.75 kW does not include the hanging plate.

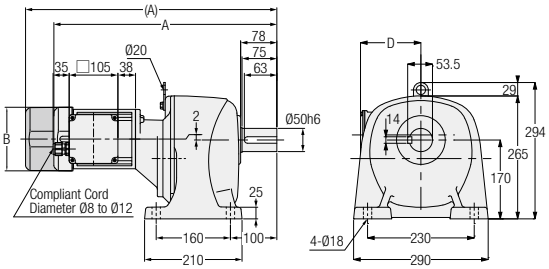
Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B	C
3-Phase	0.2 kW	G3L40S***-WM02T◇◇EN	G3L40N***-WM02T◇◇EN	600, 750, 900, 1200	1	No	20	424.5	Ø115	-
		G3L40S***-WM02T◇◇EV◆	G3L40N***-WM02T◇◇EV◆			Yes	21.5	481	□126	-
	0.4 kW	G3L40S***-WM04T◇◇EN	G3L40N***-WM04T◇◇EN	300, 375, 450	2	No	23	452.5	□137	-
		G3L40S***-WM04T◇◇EV◆	G3L40N***-WM04T◇◇EV◆			Yes	24.5	513.5	□137	-
	0.75 kW	G3L40S***-WD08T◇◇EN	G3L40N***-WD08T◇◇EN	100, 120, 160, 200	3	No	28.5	419	□156	130.2
		G3L40S***-WD08T◇◇EV◆	G3L40N***-WD08T◇◇EV◆			Yes	31	480	□156	130.2
	1.5 kW	G3L40S***-WD15T◇◇EN	G3L40N***-WD15T◇◇EN	30, 40, 50, 60, 80, 100	3	No	35	486	□178	137.2
	2.2 kW	G3L40S***-WD22T◇◇EN	G3L40N***-WD22T◇◇EN	5, 10, 15, 20, 25	3	No	41.5	503.5	□192	147.2

Note: A reduction ratio will be indicated as *** in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.
Note: There are no gearmotors with motor power of 1.5 kW and 2.2 kW that have a brake.
Note: Please refer to page 120 for the performance table.
Note: For the dimensions of the output shaft key, refer to page 905.
Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

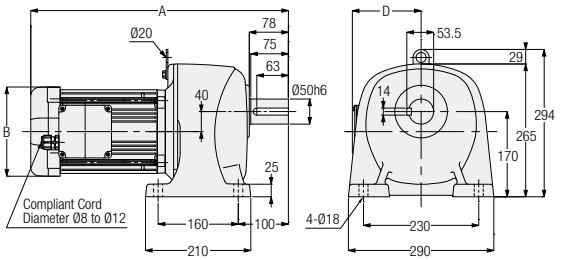
G3 Type Parallel Shaft | Shaft Diameter **50** | **Foot** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B	C	D
3-Phase	0.4 kW	G3L50S✱✱✱-WM04T◇◇EN	G3L50N✱✱✱-WM04T◇◇EN	600, 750, 900, 1200	1	No	52.5	480.5	□137	2	115.2
		G3L50S✱✱✱-WM04T◇◇EV◆	G3L50N✱✱✱-WM04T◇◇EV◆			Yes	54	541.5	□137	2	115.2
	0.75 kW	G3L50S✱✱✱-WD08T◇◇EN	G3L50N✱✱✱-WD08T◇◇EN	300, 375, 450	1	No	60	533	□156	11	130.2
		G3L50S✱✱✱-WD08T◇◇EV◆	G3L50N✱✱✱-WD08T◇◇EV◆			Yes	62.5	594	□156	11	130.2
	1.5 kW	G3L50S✱✱✱-WD15T◇◇EN	G3L50N✱✱✱-WD15T◇◇EN	100, 120, 160, 200	2	No	64.5	514	□178	-	137.2
	2.2 kW	G3L50S✱✱✱-WD22T◇◇EN	G3L50N✱✱✱-WD22T◇◇EN	30, 40, 50, 60, 80, 100	2	No	71.5	547.5	□192	-	147.2

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: There are no gearmotors with motor power of 1.5 kW and 2.2 kW that have a brake.

Note: Please refer to page 121 for the performance table.

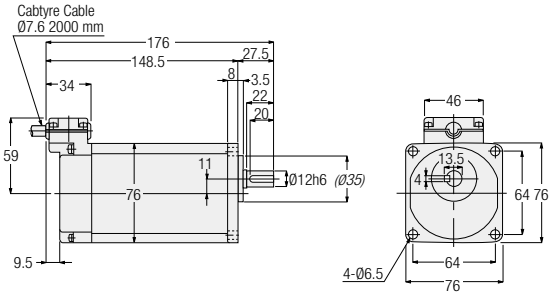
Note: For the dimensions of the output shaft key, refer to page 905.

Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

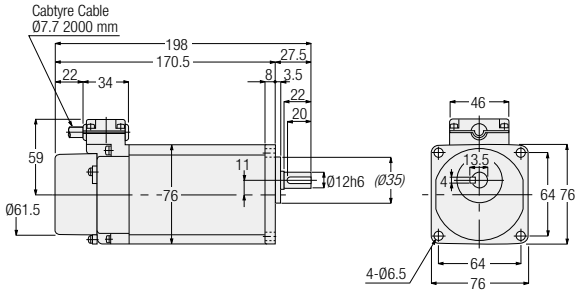
G Type Parallel Shaft | Shaft Diameter 12 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



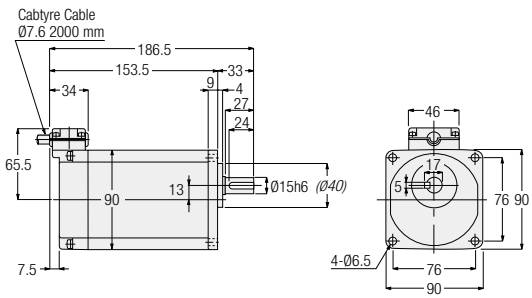
Note: The italic dimension indicates areas with remaining casting surface. Please add 0.5 mm or more to the italic dimension for the diameter of the mating hole.

Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	15 W	GFW-12-✱✱✱-T15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	No	2
		GFV-12-✱✱✱-T15		2	Yes	
	25 W	GFW-12-✱✱✱-T25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	1	No	2
		GFV-12-✱✱✱-T25		2	Yes	
	40 W	GFW-12-✱✱✱-T40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	1	No	2
		GFV-12-✱✱✱-T40		2	Yes	
1-Phase	15 W	GFW-12-✱✱✱-S15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	No	2
		GFV-12-✱✱✱-S15		2	Yes	
	25 W	GFW-12-✱✱✱-S25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	1	No	2
		GFV-12-✱✱✱-S25		2	Yes	

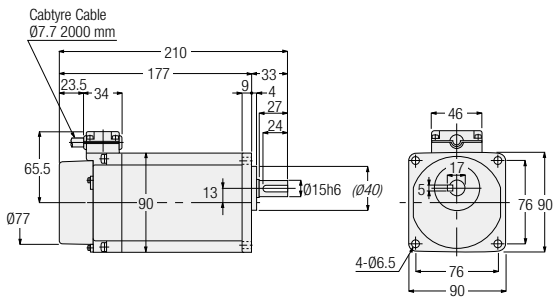
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 118 for the performance table.

G Type Parallel Shaft | Shaft Diameter 15 | Flange Mounting

<Figure 3>



<Figure 4>



Note: The italic dimension indicates areas with remaining casting surface. Please add 0.5 mm or more to the italic dimension for the diameter of the mating hole.

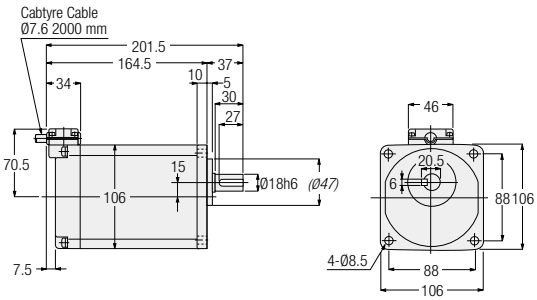
Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	25 W	GFW-15-✱✱✱-T25	160, 200, 240	3	No	3
		GFV-15-✱✱✱-T25		4	Yes	
	40 W	GFW-15-✱✱✱-T40	80, 100, 120	3	No	3
		GFV-15-✱✱✱-T40		4	Yes	
	60 W	GFW-15-✱✱✱-T60	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	3	No	3
		GFV-15-✱✱✱-T60		4	Yes	
1-Phase	25 W	GFW-15-✱✱✱-S25	160, 200, 240	3	No	3
		GFV-15-✱✱✱-S25		4	Yes	
	40 W	GFW-15-✱✱✱-S40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	3	No	3
		GFV-15-✱✱✱-S40		4	Yes	

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 118 for the performance table.

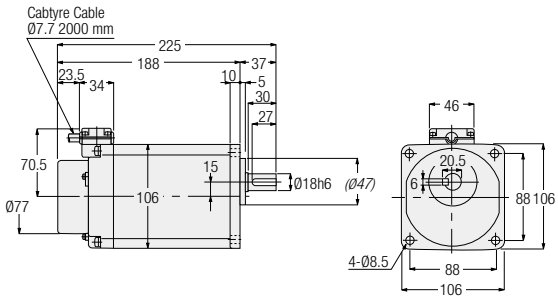
G Type Parallel Shaft | Shaft Diameter 18 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



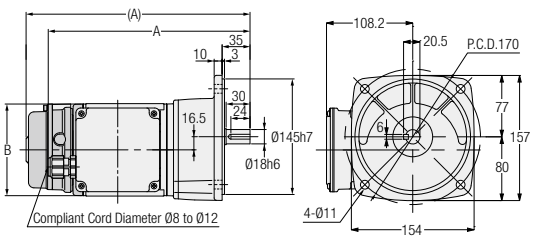
Note: The italic dimension indicates areas with remaining casting surface. Please add 0.5 mm or more to the italic dimension for the diameter of the mating hole.

Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)
3-Phase	40 W	GFW-18-✱✱✱-T40	160, 200, 240	1	No	4
		GFV-18-✱✱✱-T40		2	Yes	
	60 W	GFW-18-✱✱✱-T60	80, 100, 120, 160, 200, 240	1	No	4
		GFV-18-✱✱✱-T60		2	Yes	
	90 W	GFW-18-✱✱✱-T90	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	No	4
		GFV-18-✱✱✱-T90		2	Yes	
1-Phase	40 W	GFW-18-✱✱✱-S40	160, 200, 240	1	No	4
		GFV-18-✱✱✱-S40		2	Yes	
	60 W	GFW-18-✱✱✱-S60	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	No	4
		GFV-18-✱✱✱-S60		2	Yes	

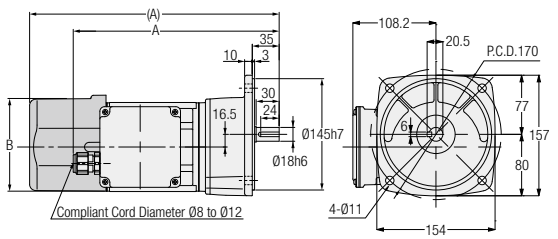
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 118 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 18 | Flange Mounting

<Figure 3>



<Figure 4>



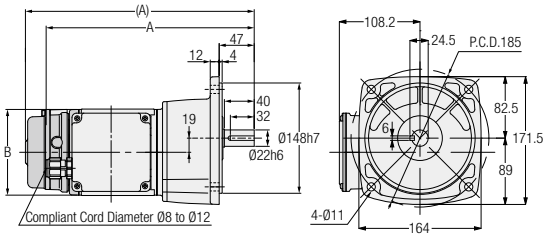
Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3F18S✱✱✱-WM01T◇◇EN	G3F18N✱✱✱-WM01T◇◇EN	5, 10, 15, 20, 25, 30, 40, 50	3	No	6.5	253.5	Ø115
		G3F18S✱✱✱-WM01T◇◇EV◆	G3F18N✱✱✱-WM01T◇◇EV◆			Yes	8	281	Ø115
	0.2 kW	G3F18S✱✱✱-WM02T◇◇EN	G3F18N✱✱✱-WM02T◇◇EN	5, 10, 15, 20, 25	4	No	7	268.5	Ø115
		G3F18S✱✱✱-WM02T◇◇EV◆	G3F18N✱✱✱-WM02T◇◇EV◆			Yes	8.5	325	□126

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.
Note: Please refer to page 120 for the performance table.
Note: For the dimensions of the output shaft key, refer to page 905.
Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

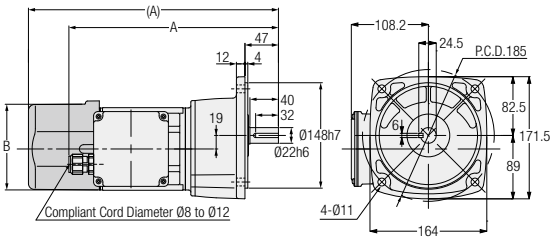
G3 Type Parallel Shaft | Shaft Diameter 22 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

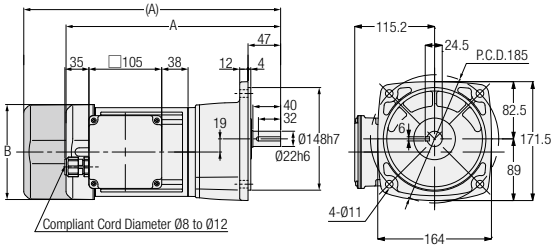
<Figure 1>



<Figure 2>



<Figure 3>



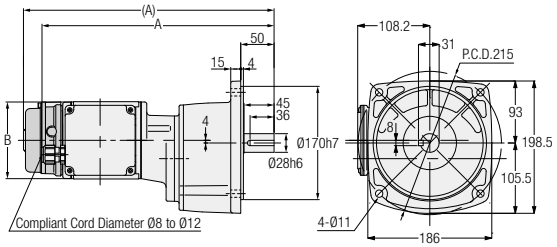
Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3F22S✱✱✱-WM01T◇◇EN	G3F22N✱✱✱-WM01T◇◇EN	60, 80, 100, 120, 160, 200	1	No	7.5	279.5	Ø115
		G3F22S✱✱✱-WM01T◇◇EV◆	G3F22N✱✱✱-WM01T◇◇EV◆			Yes	9	307	Ø115
	0.2 kW	G3F22S✱✱✱-WM02T◇◇EN	G3F22N✱✱✱-WM02T◇◇EN	30, 40, 50, 60, 80, 100	2	No	8	294.5	Ø115
		G3F22S✱✱✱-WM02T◇◇EV◆	G3F22N✱✱✱-WM02T◇◇EV◆			Yes	9.5	351	□126
	0.4 kW	G3F22S✱✱✱-WM04T◇◇EN	G3F22N✱✱✱-WM04T◇◇EN	5, 10, 15, 20, 25	3	No	10	309.5	□137
		G3F22S✱✱✱-WM04T◇◇EV◆	G3F22N✱✱✱-WM04T◇◇EV◆			Yes	11.5	370.5	□137

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.
Note: Please refer to page 120 for the performance table.
Note: For the dimensions of the output shaft key, refer to page 905.
Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

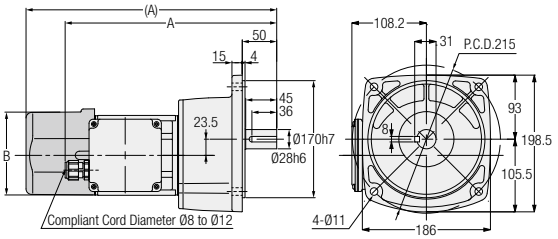
G3 Type Parallel Shaft | Shaft Diameter **28** | **Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

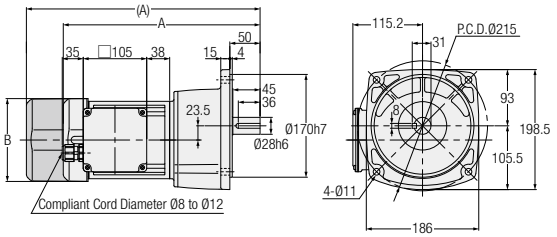
<Figure 1>



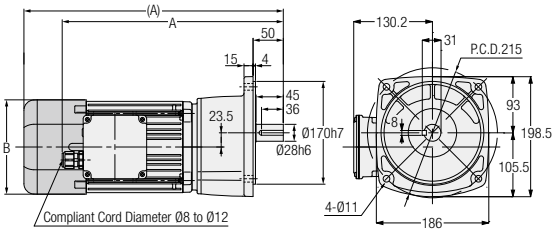
<Figure 2>



<Figure 3>



<Figure 4>



Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3F28S✱✱✱-WM01T◇◇EN	G3F28N✱✱✱-WM01T◇◇EN	300, 375, 450	1	No	10.5	348.5	Ø115
		G3F28S✱✱✱-WM01T◇◇EV◆	G3F28N✱✱✱-WM01T◇◇EV◆			Yes	12	376	Ø115
	0.2 kW	G3F28S✱✱✱-WM02T◇◇EN	G3F28N✱✱✱-WM02T◇◇EN	100, 120, 160, 200	2	No	10	307.5	Ø115
		G3F28S✱✱✱-WM02T◇◇EV◆	G3F28N✱✱✱-WM02T◇◇EV◆			Yes	11.5	364	□126
	0.4 kW	G3F28S✱✱✱-WM04T◇◇EN	G3F28N✱✱✱-WM04T◇◇EN	30, 40, 50, 60, 80, 100	3	No	12	325.5	□137
		G3F28S✱✱✱-WM04T◇◇EV◆	G3F28N✱✱✱-WM04T◇◇EV◆			Yes	13.5	386.5	□137
	0.75 kW	G3F28S✱✱✱-WD08T◇◇EN	G3F28N✱✱✱-WD08T◇◇EN	5, 10, 15, 20, 25	4	No	19	368	□156
		G3F28S✱✱✱-WD08T◇◇EV◆	G3F28N✱✱✱-WD08T◇◇EV◆			Yes	21.5	429	□156

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 120 for the performance table.

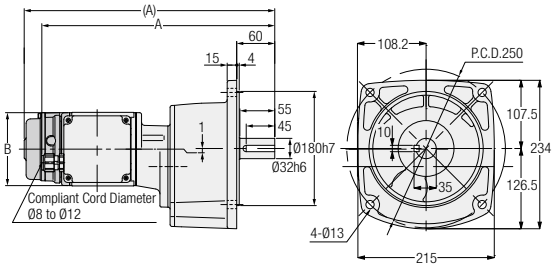
Note: For the dimensions of the output shaft key, refer to page 905.

Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

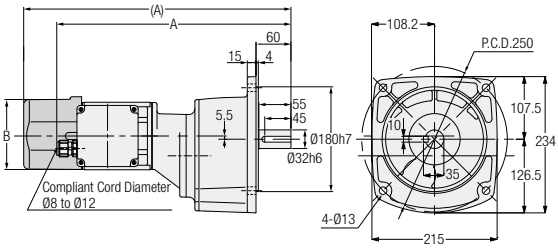
G3 Type Parallel Shaft | Shaft Diameter 32 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

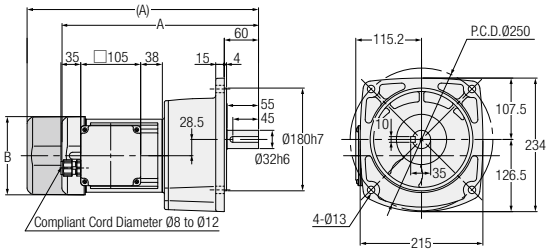
<Figure 1>



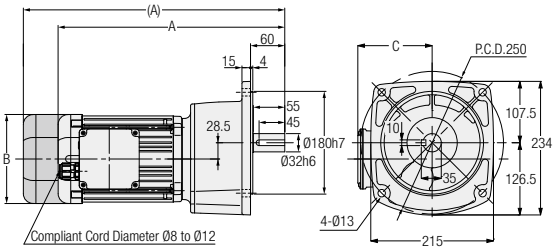
<Figure 2>



<Figure 3>



<Figure 4>



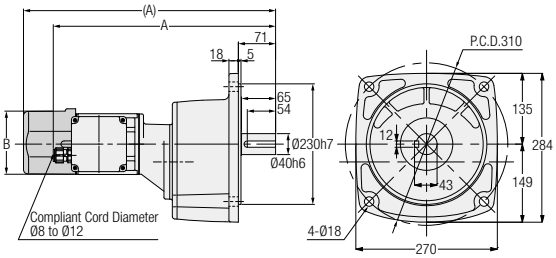
Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B	C
3-Phase	0.1 kW	G3F32S✱✱✱-WM01T◇◇EN	G3F32N✱✱✱-WM01T◇◇EN	600, 750, 900, 1200	1	No	13.5	367.5	Ø115	-
		G3F32S✱✱✱-WM01T◇◇EV◆	G3F32N✱✱✱-WM01T◇◇EV◆			Yes	15	395	Ø115	-
	0.2 kW	G3F32S✱✱✱-WM02T◇◇EN	G3F32N✱✱✱-WM02T◇◇EN	300, 375, 450	2	No	14	402.5	Ø115	-
		G3F32S✱✱✱-WM02T◇◇EV◆	G3F32N✱✱✱-WM02T◇◇EV◆			Yes	15.5	459	□126	-
	0.4 kW	G3F32S✱✱✱-WM04T◇◇EN	G3F32N✱✱✱-WM04T◇◇EN	100, 120, 160, 200	3	No	15	344.5	□137	-
		G3F32S✱✱✱-WM04T◇◇EV◆	G3F32N✱✱✱-WM04T◇◇EV◆			Yes	16.5	405.5	□137	-
	0.75 kW	G3F32S✱✱✱-WD08T◇◇EN	G3F32N✱✱✱-WD08T◇◇EN	30, 40, 50, 60, 80, 100	4	No	22.5	397	□156	130.2
		G3F32S✱✱✱-WD08T◇◇EV◆	G3F32N✱✱✱-WD08T◇◇EV◆			Yes	25	458	□156	130.2
	1.5 kW	G3F32S✱✱✱-WD15T◇◇EN	G3F32N✱✱✱-WD15T◇◇EN	5, 10, 15, 20, 25	4	No	28.5	449	□178	137.2

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.
Note: There are no gearmotors with motor power of 1.5 kW that have a brake.
Note: Please refer to page 120 for the performance table.
Note: For the dimensions of the output shaft key, refer to page 905.
Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

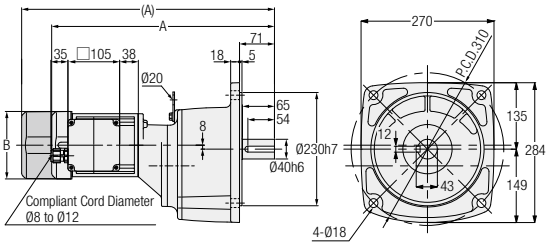
G3 Type Parallel Shaft | Shaft Diameter **40** | **Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

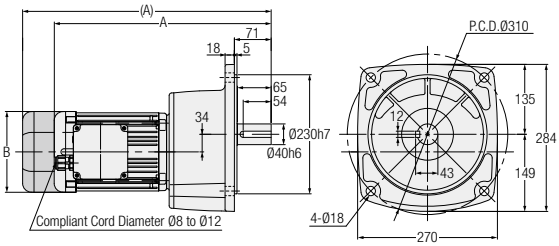
<Figure 1>



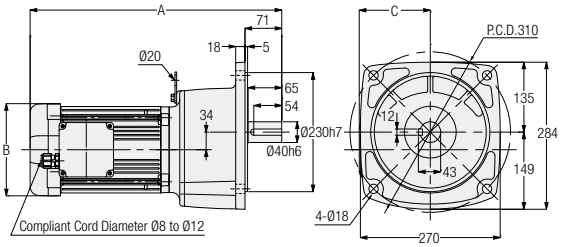
<Figure 2>



<Figure 3>



<Figure 4>



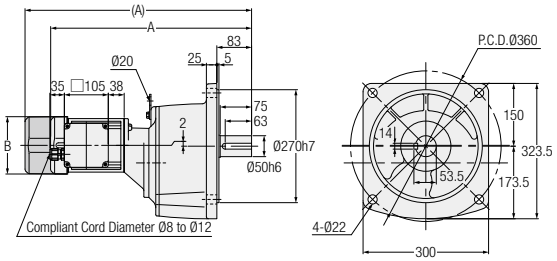
Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B	C
3-Phase	0.2 kW	G3F40S✱✱✱-WM02T◇◇EN	G3F40N✱✱✱-WM02T◇◇EN	600, 750, 900, 1200	1	No	21.5	424.5	Ø115	-
		G3F40S✱✱✱-WM02T◇◇EV◆	G3F40N✱✱✱-WM02T◇◇EV◆			Yes	23	481	□126	-
	0.4 kW	G3F40S✱✱✱-WM04T◇◇EN	G3F40N✱✱✱-WM04T◇◇EN	300, 375, 450	2	No	24.5	452.5	□137	-
		G3F40S✱✱✱-WM04T◇◇EV◆	G3F40N✱✱✱-WM04T◇◇EV◆			Yes	26	513.5	□137	-
	0.75 kW	G3F40S✱✱✱-WD08T◇◇EN	G3F40N✱✱✱-WD08T◇◇EN	100, 120, 160, 200	3	No	30	419	□156	-
		G3F40S✱✱✱-WD08T◇◇EV◆	G3F40N✱✱✱-WD08T◇◇EV◆			Yes	32.5	480	□156	-
	1.5 kW	G3F40S✱✱✱-WD15T◇◇EN	G3F40N✱✱✱-WD15T◇◇EN	30, 40, 50, 60, 80, 100	4	No	36.5	486	□178	137.2
	2.2 kW	G3F40S✱✱✱-WD22T◇◇EN	G3F40N✱✱✱-WD22T◇◇EN	5, 10, 15, 20, 25	4	No	43	503.5	□192	147.2

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.
Note: There are no gearmotors with motor power of 1.5 kW and 2.2 kW that have a brake.
Note: Please refer to page 120 for the performance table.
Note: For the dimensions of the output shaft key, refer to page 905.
Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

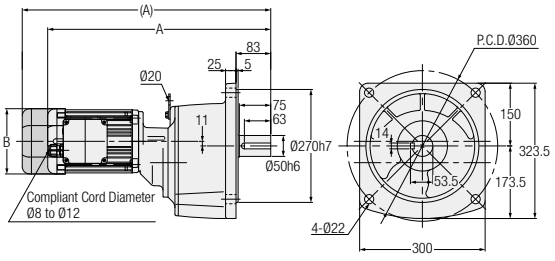
G3 Type Parallel Shaft | Shaft Diameter 50 | Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

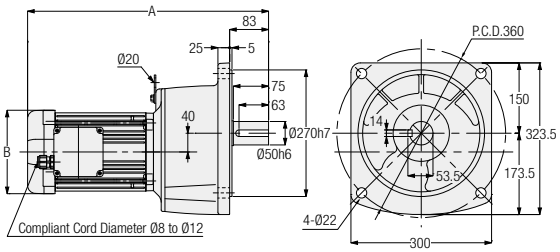
<Figure 1>



<Figure 2>



<Figure 3>



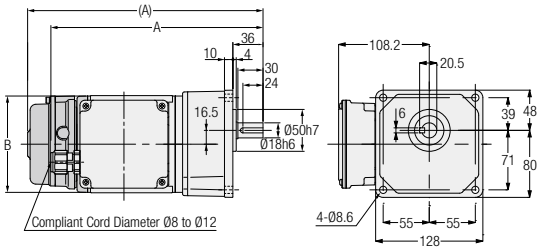
Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.4 kW	G3F50S✱✱✱-WM04T◇◇EN	G3F50N✱✱✱-WM04T◇◇EN	600, 750, 900, 1200	1	No	57.5	480.5	□137
		G3F50S✱✱✱-WM04T◇◇EV◆	G3F50N✱✱✱-WM04T◇◇EV◆			Yes	59	541.5	□137
	0.75 kW	G3F50S✱✱✱-WD08T◇◇EN	G3F50N✱✱✱-WD08T◇◇EN	300, 375, 450	2	No	65	533	□156
		G3F50S✱✱✱-WD08T◇◇EV◆	G3F50N✱✱✱-WD08T◇◇EV◆			Yes	67.5	594	□156
	1.5 kW	G3F50S✱✱✱-WD15T◇◇EN	G3F50N✱✱✱-WD15T◇◇EN	100, 120, 160, 200	3	No	69.5	514	□178
	2.2 kW	G3F50S✱✱✱-WD22T◇◇EN	G3F50N✱✱✱-WD22T◇◇EN	30, 40, 50, 60, 80, 100	3	No	76.5	547.5	□192

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.
Note: There are no gearmotors with motor power of 1.5 kW and 2.2 kW that have a brake.
Note: Please refer to page 121 for the performance table.
Note: For the dimensions of the output shaft key, refer to page 905.
Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

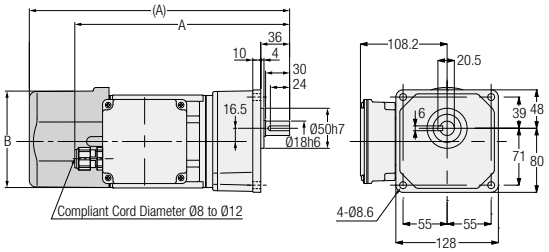
G3 Type Parallel Shaft | Shaft Diameter **18** | **Small Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

<Figure 1>



<Figure 2>



Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3K18S✻✻✻-WM01T◇◇EN	G3K18N✻✻✻-WM01T◇◇EN	5, 10, 15, 20, 25, 30, 40, 50	1	No	6.5	253.5	Ø115
		G3K18S✻✻✻-WM01T◇◇EV◆	G3K18N✻✻✻-WM01T◇◇EV◆			Yes	8	281	Ø115
	0.2 kW	G3K18S✻✻✻-WM02T◇◇EN	G3K18N✻✻✻-WM02T◇◇EN	5, 10, 15, 20, 25	2	No	7	268.5	Ø115
		G3K18S✻✻✻-WM02T◇◇EV◆	G3K18N✻✻✻-WM02T◇◇EV◆			Yes	8.5	325	□126

Note: A reduction ratio will be indicated as ✻✻✻ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 120 for the performance table.

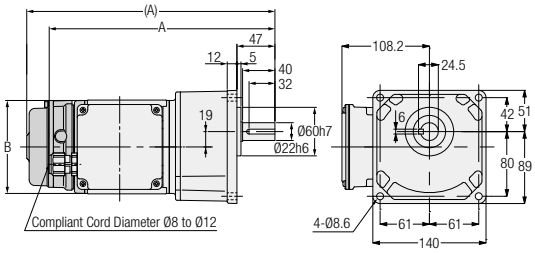
Note: For the dimensions of the output shaft key, refer to page 905.

Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

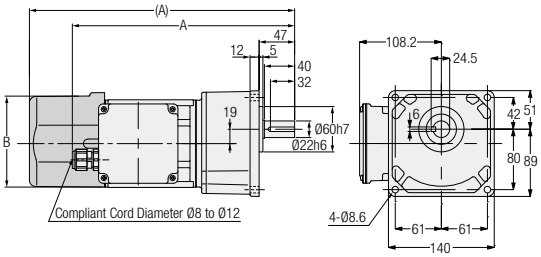
G3 Type Parallel Shaft | Shaft Diameter 22 | Small Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

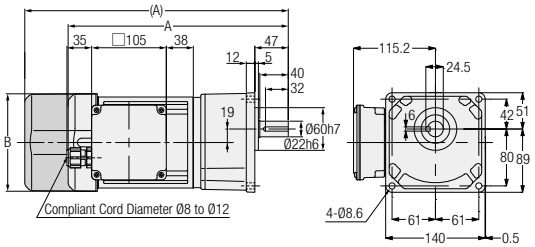
<Figure 1>



<Figure 2>



<Figure 3>



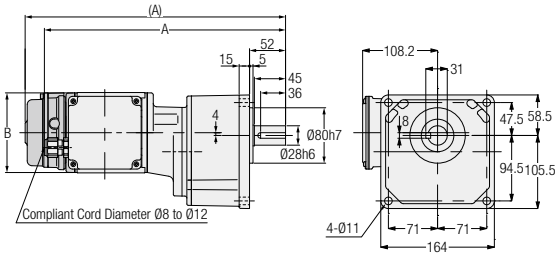
Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3K22S✱✱✱-WM01T◇◇EN	G3K22N✱✱✱-WM01T◇◇EN	60, 80, 100, 120, 160, 200	1	No	7.5	279.5	Ø115
		G3K22S✱✱✱-WM01T◇◇EV◆	G3K22N✱✱✱-WM01T◇◇EV◆			Yes	9	307	Ø115
	0.2 kW	G3K22S✱✱✱-WM02T◇◇EN	G3K22N✱✱✱-WM02T◇◇EN	30, 40, 50, 60, 80, 100	2	No	8	294.5	Ø115
		G3K22S✱✱✱-WM02T◇◇EV◆	G3K22N✱✱✱-WM02T◇◇EV◆			Yes	9.5	351	□126
	0.4 kW	G3K22S✱✱✱-WM04T◇◇EN	G3K22N✱✱✱-WM04T◇◇EN	5, 10, 15, 20, 25	3	No	10	309.5	□137
		G3K22S✱✱✱-WM04T◇◇EV◆	G3K22N✱✱✱-WM04T◇◇EV◆			Yes	11.5	370.5	□137

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.
Note: Please refer to page 120 for the performance table.
Note: For the dimensions of the output shaft key, refer to page 905.
Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

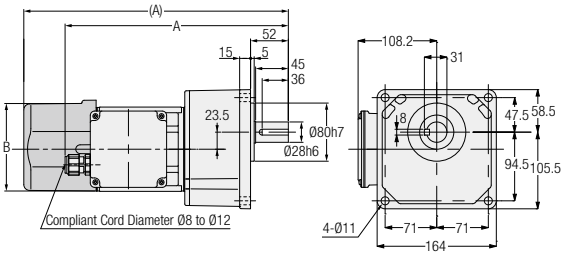
G3 Type Parallel Shaft | Shaft Diameter **28** | **Small Flange** Mounting

The values in parenthesis are those for gearmotors with a brake.

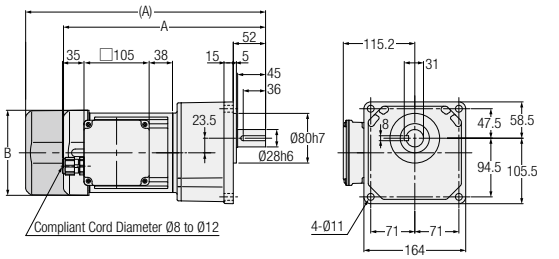
<Figure 1>



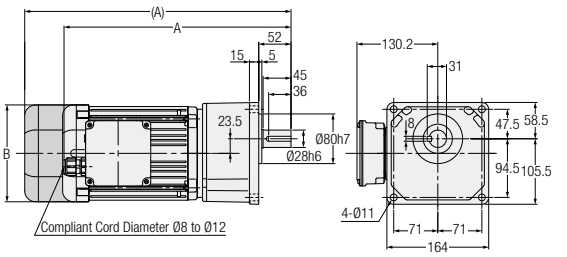
<Figure 2>



<Figure 3>



<Figure 4>



Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B
3-Phase	0.1 kW	G3K28S✱✱✱-WM01T◇◇EN	G3K28N✱✱✱-WM01T◇◇EN	300, 375, 450	1	No	10.5	348.5	Ø115
		G3K28S✱✱✱-WM01T◇◇EV◆	G3K28N✱✱✱-WM01T◇◇EV◆			Yes	12	376	Ø115
	0.2 kW	G3K28S✱✱✱-WM02T◇◇EN	G3K28N✱✱✱-WM02T◇◇EN	100, 120, 160, 200	2	No	10	307.5	Ø115
		G3K28S✱✱✱-WM02T◇◇EV◆	G3K28N✱✱✱-WM02T◇◇EV◆			Yes	11.5	364	□126
	0.4 kW	G3K28S✱✱✱-WM04T◇◇EN	G3K28N✱✱✱-WM04T◇◇EN	30, 40, 50, 60, 80, 100	3	No	12	325.5	□137
		G3K28S✱✱✱-WM04T◇◇EV◆	G3K28N✱✱✱-WM04T◇◇EV◆			Yes	13.5	386.5	□137
	0.75 kW	G3K28S✱✱✱-WD08T◇◇EN	G3K28N✱✱✱-WD08T◇◇EN	5, 10, 15, 20, 25	4	No	19	368	□156
		G3K28S✱✱✱-WD08T◇◇EV◆	G3K28N✱✱✱-WD08T◇◇EV◆			Yes	21.5	429	□156

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.

Note: Please refer to page 120 for the performance table.

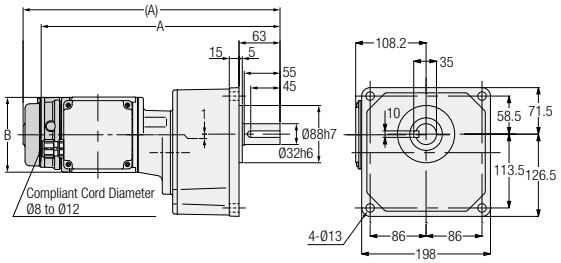
Note: For the dimensions of the output shaft key, refer to page 905.

Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

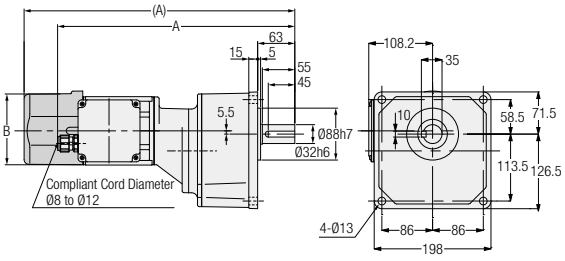
G3 Type Parallel Shaft | Shaft Diameter 32 | Small Flange Mounting

The values in parenthesis are those for gearmotors with a brake.

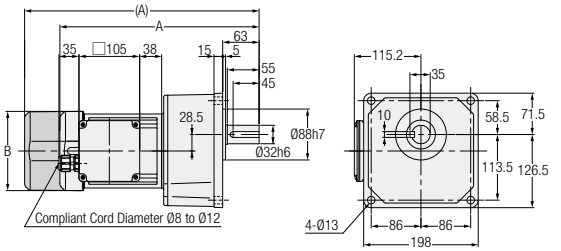
<Figure 1>



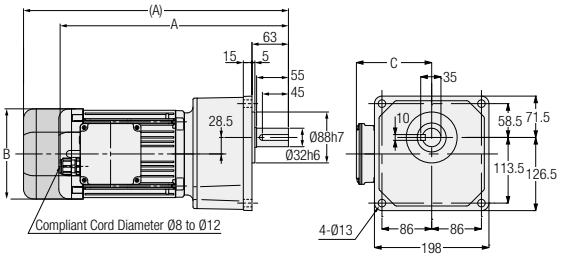
<Figure 2>



<Figure 3>



<Figure 4>



Number of Phases	Power	Output Shaft: Stainless Steel	Output Shaft: Carbon Steel	Reduction Ratio	Figure Number	Brake	Approx. Weight (kg)	A	B	C
3-Phase	0.1 kW	G3K32S✱✱✱-WM01T◇◇EN	G3K32N✱✱✱-WM01T◇◇EN	600, 750, 900, 1200	1	No	13.5	367.5	Ø115	-
		G3K32S✱✱✱-WM01T◇◇EV◆	G3K32N✱✱✱-WM01T◇◇EV◆			Yes	15	395	Ø115	-
	0.2 kW	G3K32S✱✱✱-WM02T◇◇EN	G3K32N✱✱✱-WM02T◇◇EN	300, 375, 450	2	No	14	402.5	Ø115	-
		G3K32S✱✱✱-WM02T◇◇EV◆	G3K32N✱✱✱-WM02T◇◇EV◆			Yes	15.5	459	□126	-
	0.4 kW	G3K32S✱✱✱-WM04T◇◇EN	G3K32N✱✱✱-WM04T◇◇EN	100, 120, 160, 200	3	No	15	344.5	□137	-
		G3K32S✱✱✱-WM04T◇◇EV◆	G3K32N✱✱✱-WM04T◇◇EV◆			Yes	16.5	405.5	□137	-
	0.75 kW	G3K32S✱✱✱-WD08T◇◇EN	G3K32N✱✱✱-WD08T◇◇EN	30, 40, 50, 60, 80, 100	4	No	22.5	397	□156	130.2
		G3K32S✱✱✱-WD08T◇◇EV◆	G3K32N✱✱✱-WD08T◇◇EV◆			Yes	25	458	□156	130.2
	1.5 kW	G3K32S✱✱✱-WD15T◇◇EN	G3K32N✱✱✱-WD15T◇◇EN	5, 10, 15, 20, 25	4	No	28.5	449	□178	137.2

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage/certification code will be indicated as ◇◇, and a brake specification will be indicated as ◆.
Note: There are no gearmotors with motor power of 1.5 kW that have a brake.
Note: Please refer to page 120 for the performance table.
Note: For the dimensions of the output shaft key, refer to page 905.
Note: The carbon steel output shaft is provided with a tap as a standard specification. Please refer to page 940 for information of the size.

MEMO

3. Gearmotors with Clutch/Brake

3-1. Motor Characteristics Table

G3 Type 3-Phase Standard Voltage

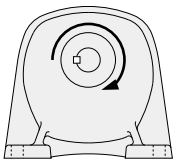
Series	Power	Voltage (V)	Frequency (Hz)	Rated Current (A)	Rated Speed (r/min)
MID	0.1 kW	200/200/220	50/60/60	0.61/0.54/0.54	1410/1690/1710
	0.2 kW IE2	200/200/220	50/60/60	1.1/1.0/1.0	1400/1680/1700
	0.4 kW IE2	200/200/220	50/60/60	2.1/1.8/1.8	1400/1680/1700
	0.75 kW IE3	200/200/220	50/60/60	3.2/3.0/2.9	1440/1720/1740

G3 Type 3-Phase High Voltage (400 V Class)

Series	Power	Voltage (V)	Frequency (Hz)	Rated Current (A)	Rated Speed (r/min)
MID	0.1 kW	380/400/400/440	50/50/60/60	0.31/0.31/0.28/0.28	1400/1410/1690/1720
	0.2 kW IE2	380/400/400/440	50/50/60/60	0.56/0.56/0.5/0.5	1390/1400/1680/1710
	0.4 kW IE2	380/400/400/440	50/50/60/60	1.0/1.0/0.9/0.9	1390/1400/1680/1710
	0.75 kW IE3	380/400/400/440	50/50/60/60	1.65/1.6/1.5/1.4	1430/1440/1730/1740

3-2. Performance Table

[Notes]
- The output shaft speed is the value relative to the synchronous speed of the motor and the reduction ratio.
- ▭ in the performance table indicates that the shaft rotates clockwise when viewed from the output shaft side when the connection is made as shown on page 503 (CW). (Refer to the figure on the right)
- Allowable output shaft O.H.L. is the value at the middle of the output shaft.
- The "*" mark indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.
- Please avoid using gearmotors with clutch/brake in vertical operation (lifting). There is a danger of falling during a power outage.



Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft Torque N·m		Allowable Output Shaft O.H.L. N	Drawings		
				50 Hz	60 Hz	50 Hz	60 Hz		Foot Mount	Flange Mount	Small Flange Mount
3-Phase 0.1 kW	18	1/5	33/164	300	360	3	2.5	770	P.145	P.147	P.150
		1/10	77/779	150	180	6.1	5	1140			
		1/15	119/1804	100	120	9.1	7.5	1270			
		1/20	49/984	75	90	12	9.8	1530			
		1/25	28/697	60	72	15	12.7	1650			
		1/30	35/1066	50	60	19	14.7	1780			
		1/40	35/1404	37.5	45	24	19.6	1910			
		1/50	7/351	30	36	29	24.5	2040			
	22	1/60	11/684	25	30	35	29.4	2800	P.145	P.148	P.150
		1/80	21/1634	18.8	22.5	47	39.2	3180			
		1/100	7/684	15	18	59	49	3180			
		1/120	147/17974	12.5	15	71	58.8	3180			
		1/160	21/3268	9.4	11.2	94	78.4	3180			
		1/200	21/4085	7.5	9	117	98	3180			
3-Phase 0.2 kW	18	1/5	33/164	300	360	6.1	5	770	P.145	P.147	P.150
		1/10	77/779	150	180	11.8	9.8	1140			
		1/15	119/1804	100	120	18.6	14.7	1270			
		1/20	49/984	75	90	24.5	20.6	1450			
		1/25	28/697	60	72	30.4	25.5	1550			
	22	1/30	7/216	50	60	36.3	30.4	2280	P.145	P.148	P.150
		1/40	91/3600	37.5	45	47	39.2	2410			
		1/50	11/540	30	36	58.8	49	2540			
		1/60	637/39600	25	30	70.6	58.8	2800			
		1/80	91/7200	18.8	22.5	94.1	78.4	3000			
		* 1/100	11/1080	15	18	97	80.4	3180			
	28	1/100	13/1353	15	18	117	98	3690	P.146	P.148	P.151
		1/120	91/11000	12.5	15	140	117	4320			
		1/160	1/165	9.4	11.2	187	156	4450			
		1/200	7/1375	7.5	9	234	195	4450			
3-Phase 0.4 kW	22	1/5	7/34	300	360	12	10	1140	P.145	P.148	P.150
		1/10	7/68	150	180	25	21	1530			
		1/15	49/748	100	120	36	30	1780			
		1/20	7/136	75	90	48	40	1910			
		1/25	7/170	60	72	61	50	2050			
	28	1/30	1/30	50	60	73	61	3310	P.146	P.148	P.151
		1/40	221/8610	37.5	45	94	78	3690			
		1/50	187/9030	30	36	117	98	4080			
		1/60	169/9840	25	30	140	117	4450			
		1/80	65/5166	18.8	22.5	187	156	4450			
		* 1/100	55/5418	15	18	193	161	4450			
	32	1/100	7/688	15	18	234	195	6370	P.146	P.149	P.151
		1/120	77/9360	12.5	15	281	234	7640			
		1/160	21/3328	9.4	11.2	374	313	7640			
		1/200	189/38272	7.5	9	431	390	7640			

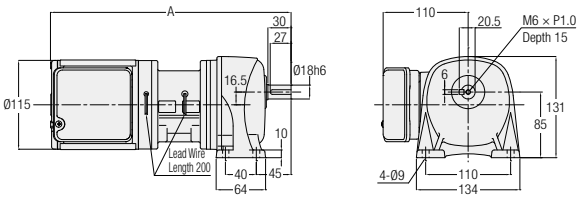
Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft Torque N·m		Allowable Output Shaft O.H.L. N	Drawings		
				50 Hz	60 Hz	50 Hz	60 Hz		Foot Mount	Flange Mount	Small Flange Mount
3-Phase 0.75 kW	28	1/5	91/459	300	360	23	19	1650	P.146	P.148	P.151
		1/10	1/10	150	180	45	38	2280			
		1/15	91/1360	100	120	68	57	2800			
		1/20	5/102	75	90	91	75	3050			
		1/25	7/170	60	72	114	94	3180			
	32	1/30	3/92	50	60	136	114	5220	P.146	P.149	P.151
		1/40	13/516	37.5	45	175	146	5470			
		1/50	11/540	30	36	220	183	5780			
		1/60	13/774	25	30	264	220	6080			
		1/80	13/1032	18.8	22.5	351	293	6180			
		* 1/100	11/1080	15	18	362	302	6770			
	40	1/100	91/9000	15	18	439	366	9170	P.147	P.149	-
		1/120	77/9400	12.5	15	527	439	9170			
		1/160	9/1400	9.4	11.2	703	585	9170			
		1/200	9/1750	7.5	9	764	732	9170			

Note 1: Please be sure to read the notes on page 143.

3-3. Drawings

G3 Type Parallel Shaft | Shaft Diameter **18** | **Foot** Mounting

<Figure 1>

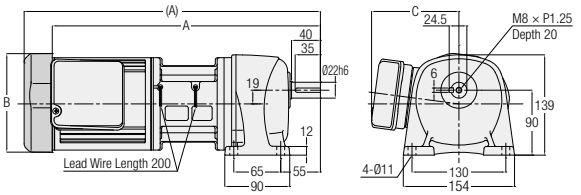


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A
3-Phase	0.1 kW	G3L18N✱✱✱-EM01T◇JTN	5, 10, 15, 20, 25, 30, 40, 50	1	7	311.5
	0.2 kW	G3L18N✱✱✱-EM02T◇JTN	5, 10, 15, 20, 25	1	9	326.5

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 143 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter **22** | **Foot** Mounting

<Figure 2>



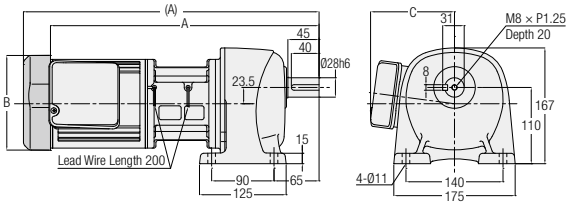
Note: The value in parentheses is the value of a gearmotor with a motor power of 0.4 kW.

Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C
3-Phase	0.1 kW	G3L22N✱✱✱-EM01T◇JTN	60, 80, 100, 120, 160, 200	2	8.5	337.5	Ø115	110
	0.2 kW	G3L22N✱✱✱-EM02T◇JTN	30, 40, 50, 60, 80, 100	2	10	352.5	Ø115	110
	0.4 kW	G3L22N✱✱✱-EM04T◇JTN	5, 10, 15, 20, 25	2	12.5	410.5	□137	121

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 143 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 28 | Foot Mounting

<Figure 1>



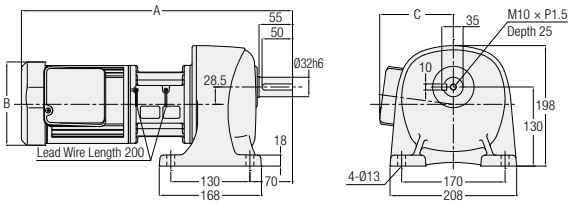
Note: The value in parentheses is the value of a gearmotor with a motor power of 0.4 kW or 0.75 kW.

Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C
3-Phase	0.2 kW	G3L28N✱✱✱-EM02T◇JTN	100, 120, 160, 200	1	12	365.5	Ø115	110
	0.4 kW	G3L28N✱✱✱-EM04T◇JTN	30, 40, 50, 60, 80, 100	1	14.5	426.5	□137	121
	0.75 kW	G3L28N✱✱✱-ED08T◇JTN	5, 10, 15, 20, 25	1	22	468.5	□156	136

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 143 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 32 | Foot Mounting

<Figure 2>

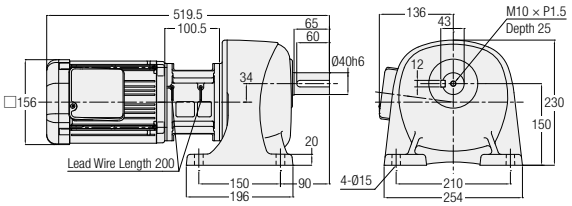


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C
3-Phase	0.4 kW	G3L32N✱✱✱-EM04T◇JTN	100, 120, 160, 200	2	17.5	445.5	□138	121
	0.75 kW	G3L32N✱✱✱-ED08T◇JTN	30, 40, 50, 60, 80, 100	2	25.5	497.5	□156	136

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 143 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 40 | Foot Mounting

<Figure 1>

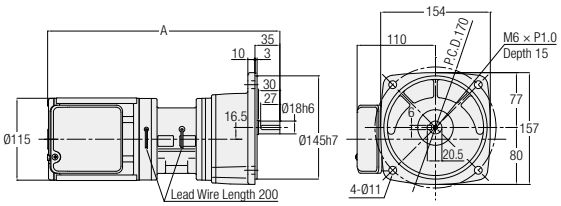


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)
3-Phase	0.75 kW	G3L40N✱✱✱-ED08T◇JTN	100, 120, 160, 200	1	32

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 144 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 18 | Flange Mounting

<Figure 2>

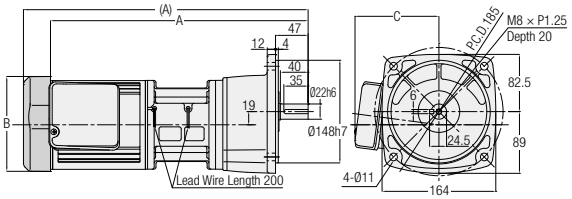


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A
3-Phase	0.1 kW	G3F18N✱✱✱-EM01T◇JTN	5, 10, 15, 20, 25, 30, 40, 50	2	7.5	311.5
	0.2 kW	G3F18N✱✱✱-EM02T◇JTN	5, 10, 15, 20, 25	2	9.5	326.5

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 143 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 22 | Flange Mounting

<Figure 1>



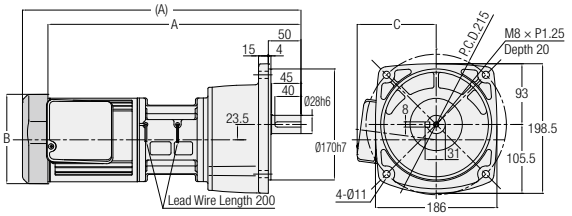
Note: The value in parentheses is the value of a gearmotor with a motor power of 0.4 kW.

Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C
3-Phase	0.1 kW	G3F22N✻✻✻-EM01T◇JTN	60, 80, 100, 120, 160, 200	1	9	337.5	Ø115	110
	0.2 kW	G3F22N✻✻✻-EM02T◇JTN	30, 40, 50, 60, 80, 100	1	10.5	352.5	Ø115	110
	0.4 kW	G3F22N✻✻✻-EM04T◇JTN	5, 10, 15, 20, 25	1	13	410.5	□137	121

Note: A reduction ratio will be indicated as ✻✻✻ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 143 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 28 | Flange Mounting

<Figure 2>



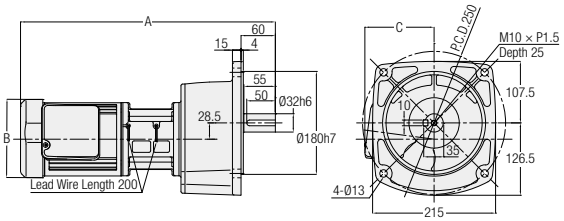
Note: The value in parentheses is the value of a gearmotor with a motor power of 0.4 kW or 0.75 kW

Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C
3-Phase	0.2 kW	G3F28N✻✻✻-EM02T◇JTN	100, 120, 160, 200	2	12.5	365.5	Ø115	110
	0.4 kW	G3F28N✻✻✻-EM04T◇JTN	30, 40, 50, 60, 80, 100	2	15	426.5	□137	121
	0.75 kW	G3F28N✻✻✻-ED08T◇JTN	5, 10, 15, 20, 25	2	22.5	468.5	□156	136

Note: A reduction ratio will be indicated as ✻✻✻ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 143 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 32 | Flange Mounting

<Figure 1>

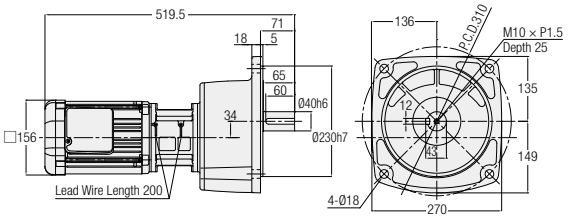


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C
3-Phase	0.4 kW	G3F32N✱✱✱-EM04T◇JTN	100, 120, 160, 200	1	18	445.5	□137	121
	0.75 kW	G3F32N✱✱✱-ED08T◇JTN	30, 40, 50, 60, 80, 100	1	26	497.5	□156	136

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 143 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 40 | Flange Mounting

<Figure 2>

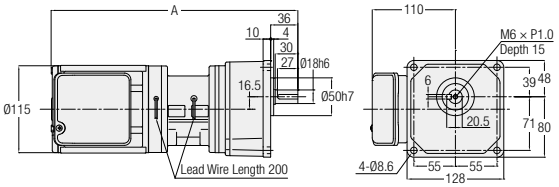


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)
3-Phase	0.75 kW	G3F40N✱✱✱-ED08T◇JTN	100, 120, 160, 200	2	26

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 144 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 18 | Small Flange Mounting

<Figure 1>

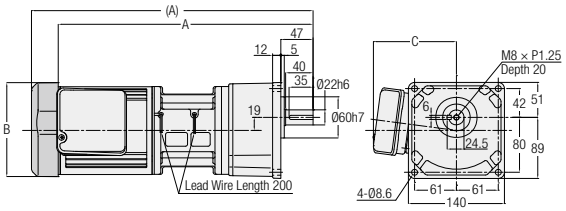


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A
3-Phase	0.1 kW	G3K18N✱✱✱-EM01T◇JTN	5, 10, 15, 20, 25, 30, 40, 50	1	7.5	311.5
	0.2 kW	G3K18N✱✱✱-EM02T◇JTN	5, 10, 15, 20, 25	1	9.5	326.5

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 143 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 22 | Small Flange Mounting

<Figure 2>



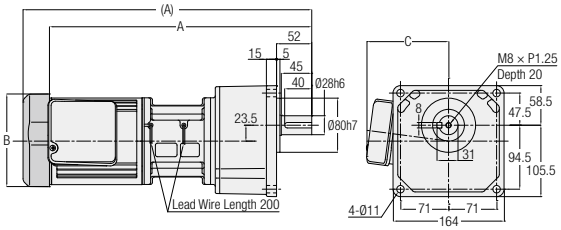
Note: The value in parentheses is the value of a gearmotor with a motor power of 0.4 kW.

Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C
3-Phase	0.1 kW	G3K22N✱✱✱-EM01T◇JTN	60, 80, 100, 120, 160, 200	2	9	337.5	Ø115	110
	0.2 kW	G3K22N✱✱✱-EM02T◇JTN	30, 40, 50, 60, 80, 100	2	10.5	352.5	Ø115	110
	0.4 kW	G3K22N✱✱✱-EM04T◇JTN	5, 10, 15, 20, 25	2	13	410.5	□137	121

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 143 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 28 | Small Flange Mounting

<Figure 1>



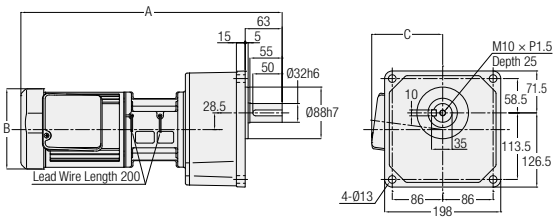
Note: The value in parentheses is the value of a gearmotor with a motor power of 0.4 kW or 0.75 kW.

Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C
3-Phase	0.2 kW	G3K28N✱✱✱-EM02T◇JTN	100, 120, 160, 200	1	12.5	365.5	Ø115	110
	0.4 kW	G3K28N✱✱✱-EM04T◇JTN	30, 40, 50, 60, 80, 100	1	15	426.5	□137	121
	0.75 kW	G3K28N✱✱✱-ED08T◇JTN	5, 10, 15, 20, 25	1	22.5	468.5	□156	136

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 143 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 32 | Small Flange Mounting

<Figure 2>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C
3-Phase	0.4 kW	G3K32N✱✱✱-EM04T◇JTN	100, 120, 160, 200	2	18	445.5	□137	121
	0.75 kW	G3K32N✱✱✱-ED08T◇JTN	30, 40, 50, 60, 80, 100	2	26	497.5	□156	136

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature. In addition, a supply voltage code will be indicated as ◇.
Note: Please refer to page 143 for the performance table.

4. Speed Control Gearmotors

4-1. Properties and Motor Characteristics Table

Properties

This gearmotor has a motor provided with a rate generator (AC generator) for speed detection and can control the speed freely in a wide range of 50 to 1400 r/min (50 Hz) or 50 to 1700 r/min (60 Hz) by means of a dedicated speed controller.

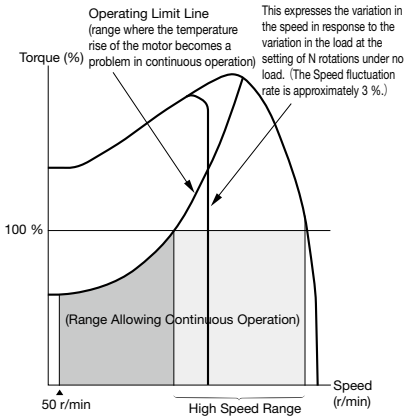
■ Properties

❶ Wide variable speed range
Our original circuit design enables the induction gearmotor to operate continuously from a low speed range of 50 r/min.

Power Source Frequency	Variable speed range
50 Hz	50 to 1400 r/min
60 Hz	50 to 1700 r/min

❷ Outstanding output characteristic
The induction motor ensures a high allowable load torque value in the low speed range and has a wide high-speed range characteristic as shown in the right figure.

❸ Wide variety of types
Induction gearmotors are available in eight main types according to applications: two U types (100 V, 200 V) connectable by means of a lead wire with a connector and six plug-in P types (100 V, 200 V).
Note: Please refer to page 575 for detailed specifications.



Note: The same speed can be obtained from a speed control gearmotor, regardless of the power supply frequency. For example, a speed set in the 50 Hz region remains unchanged also in the 60 Hz region, and the same speed can be obtained. (However, the maximum speed is within the range of 1400 r/min.)

Motor Characteristics Table

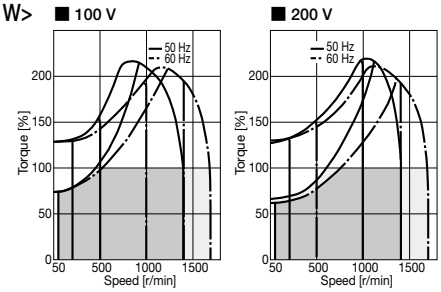
G Type 1-Phase (Speed Control Gearmotors)

Series	Power (W)	Voltage (V)	Frequency (Hz)	Frame Size	Max Current (A)	High Speed Range (r/min)	Capacitor (μF)
MINI	15 W	100/100	50/60	12	0.6/0.6	500 to 1350/550 to 1650	6
				22	0.6/0.6	500 to 1350/550 to 1650	6
		200/200	50/60	12	0.3/0.3	600 to 1400/750 to 1700	1.5
				22	0.3/0.3	600 to 1400/750 to 1700	1.5
	25 W	100/100	50/60	12	0.6/0.6	750 to 1350/1000 to 1650	8
				15	0.7/0.7	550 to 1400/650 to 1650	8
				22	0.6/0.6	750 to 1350/1000 to 1650	8
				28	0.7/0.7	550 to 1400/650 to 1650	8
		200/200	50/60	12	0.4/0.4	850 to 1350/1000 to 1650	2
				15	0.4/0.4	600 to 1350/800 to 1650	2
				22	0.4/0.4	850 to 1350/1000 to 1650	2
				28	0.4/0.4	600 to 1350/800 to 1650	2
	40 W	100/100	50/60	15	0.9/0.9	800 to 1350/1050 to 1650	12
				18	1.1/0.9	850 to 1400/1200 to 1700	12
				28	0.9/0.9	800 to 1350/1050 to 1650	12
				32	0.9/0.9	800 to 1350/1050 to 1650	12
		200/200	50/60	15	0.5/0.5	900 to 1350/1300 to 1650	3
				18	0.6/0.6	850 to 1400/1100 to 1700	3
				28	0.5/0.5	900 to 1350/1300 to 1650	3
				32	0.5/0.5	900 to 1350/1300 to 1650	3
	60 W	100/100	50/60	15	1.0/1.7	700 to 1350/800 to 1650	20
				18	1.3/1.3	500 to 1400/650 to 1650	20
				28	1.0/1.7	700 to 1350/800 to 1650	20
				32	1.0/1.7	700 to 1350/800 to 1650	20
		200/200	50/60	15	0.8/0.9	700 to 1350/800 to 1650	5
				18	0.8/0.9	750 to 1400/850 to 1650	5
				28	0.8/0.9	700 to 1350/800 to 1650	5
				32	0.8/0.9	700 to 1350/800 to 1650	5
	90 W	100/100	50/60	15	1.4/2.0	950 to 1300/1150 to 1600	26
				18	1.4/2.0	950 to 1350/1100 to 1650	26
				28	1.4/2.0	950 to 1300/1150 to 1600	26
				32	1.4/2.0	950 to 1300/1150 to 1600	26
				40	1.4/2.0	950 to 1350/1100 to 1650	26
		200/200	50/60	15	0.9/1.0	1000 to 1350/1150 to 1600	6.5
				18	1.0/1.1	900 to 1350/1100 to 1650	6.5
				28	0.9/1.0	1000 to 1350/1150 to 1600	6.5
				32	0.9/1.0	1000 to 1350/1150 to 1600	6.5
				40	1.0/1.1	900 to 1350/1100 to 1650	6.5

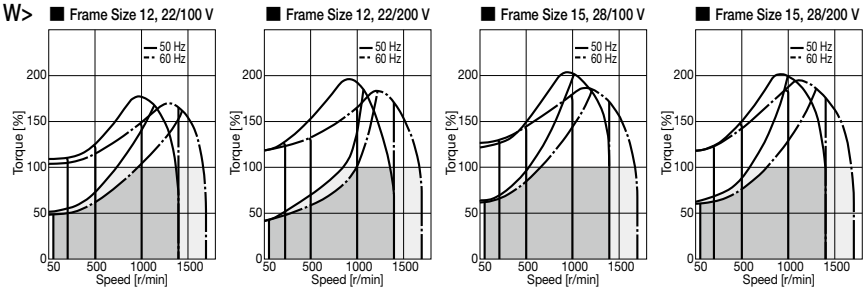
4-2. Graph for Speed Characteristics

Torque-Speed Characteristic Graph

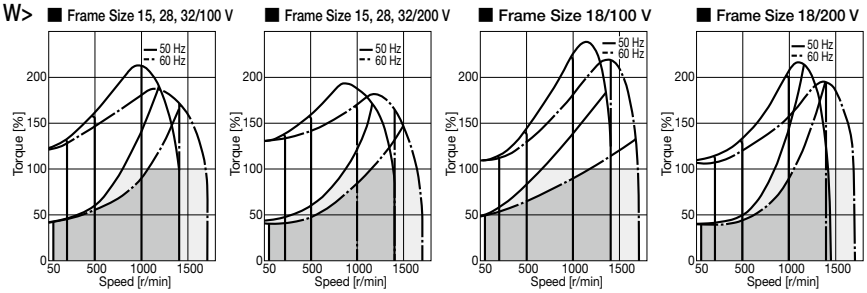
<1-Phase15 W>



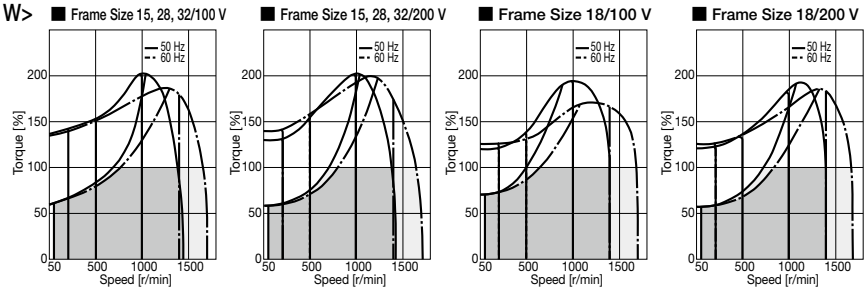
<1-Phase 25 W>



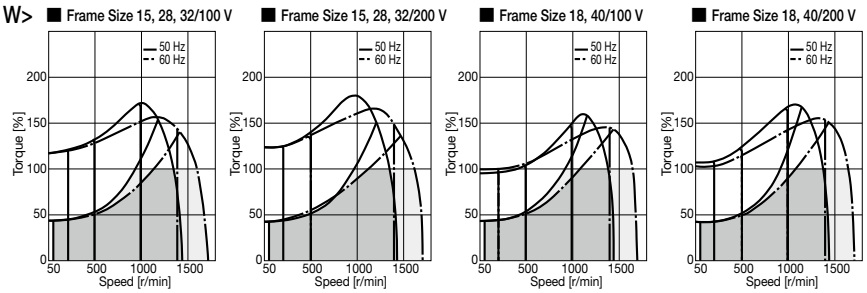
<1-Phase 40 W>



<1-Phase 60 W>



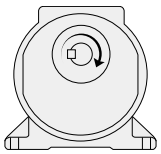
<1-Phase 90 W>



Note: 100 % torque represents the allowable output shaft torque at high speed.

4-3. Performance Table

[Notes]
- The output shaft speed is the value relative to the synchronous speed of the motor and the reduction ratio.
- The allowable output shaft torque at high speed represents the allowable output shaft torque in the high speed range (r/min).
- The value (%) of the allowable output shaft torque at 50 r/min represents the ratio to the allowable output shaft torque at high speed.
- Allowable output shaft O.H.L. is the value at the middle of the output shaft.
- The "*" mark indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.
- ▭ in the performance table indicates that the shaft rotates clockwise when viewed from the output shaft side when the connection is made as shown on page 492 (CW). (Refer to the figure on the right)



Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft O.H.L.	Allowable Output Shaft Torque		Drawings		
					50 Hz	60 Hz	N	At High Speed N·m	At 50 r/min (%)	Foot Mount	Flange Mount	Small Flange Mount
MINI	1-Phase 15 W	12	1/5	1/5	300	360	98	0.29	70 (100 V) 60 (200 V)	P.157	P.162	-
			1/7.5	1/7.5	200	240	196	0.49				
			1/10	1/10	150	180	245	0.69				
			1/15	1/15	100	120	343	0.98				
			1/20	1/20	75	90	441	1.27				
			1/25	1/25	60	72	490	1.67				
			1/30	1/29	50	60	539	1.96				
			1/40	1/40	37.5	45	588	2.65				
			1/50	1/50	30	36	637	3.33				
			1/60	1/58	25	30	686	3.92				
			1/80	1/80	18.8	22.5	735	5.00				
			1/100	1/100	15	18	735	6.27				
			1/120	1/120	12.5	15	784	7.45				
			1/160	1/160	9.4	11.2	784	9.80				
			1/200	1/200	7.5	9	784	12.7				
			1/240	1/232	6.3	7.5	784	14.7				
		22	1/300	91/27000	5	6	1760	16.7	70 (100 V) 60 (200 V)	P.160	P.163	P.165
			1/375	11/4050	4	4.8	1760	20.6				
			1/450	637/297000	3.3	4	1760	25.5				
			1/600	91/54000	2.5	3	1760	33.3				
			1/750	11/8100	2	2.4	1760	42.1				
			1/900	637/594000	1.7	2	1760	50				
			1/1200	91/10440	1.3	1.5	1760	66.6				
			1/1500	11/15660	1	1.2	1760	83.3				
			1/1800	637/1148400	0.8	1	1760	98				
	1-Phase 25 W	12	1/5	1/5	300	360	98	0.59	50 (100 V) 45 (200 V)	P.157	P.162	-
			1/7.5	1/7.5	200	240	196	0.78				
			1/10	1/10	150	180	245	1.08				
			1/15	1/15	100	120	343	1.67				
			1/20	1/20	75	90	441	2.25				
			1/25	1/25	60	72	490	2.74				
			1/30	1/29	50	60	539	3.33				
			1/40	1/40	37.5	45	588	4.41				
			1/50	1/50	30	36	637	5.49				
			1/60	1/58	25	30	686	6.66				
			1/80	1/80	18.8	22.5	735	8.43				
			1/100	1/100	15	18	735	10.8				
			1/120	1/120	12.5	15	784	12.7				
		15	1/160	1/160	9.4	11.2	1080	16.7	60 (100 V) (200 V)	P.158	P.162	-
			1/200	1/200	7.5	9	1080	20.6				
			1/240	1/232	6.3	7.5	1080	25.5				
		22	1/300	91/27000	5	6	1760	28.4	50 (100 V) 45 (200 V)	P.160	P.163	P.165
			1/375	11/4050	4	4.8	1760	35.3				
			1/450	637/297000	3.3	4	1760	42.1				
			1/600	91/54000	2.5	3	1760	55.9				
			1/750	11/8100	2	2.4	1760	69.6				
			1/900	637/594000	1.7	2	1760	84.3				
		28	1/1200	221/249690	1.3	1.5	2740	108	60 (100 V) (200 V)	P.160	P.164	P.166
			1/1500	187/261870	1	1.2	2740	137				
			1/1800	169/285360	0.8	1	2740	167				

Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft O.H.L.	Allowable Output Shaft Torque		Drawings		
								At High Speed	At 50 r/min (%)	Foot Mount	Flange Mount	Small Flange Mount
					50 Hz	60 Hz	N	N·m				
MINI	1-Phase 40 W	15	1/5	1/5	300	360	98	0.88	40 (100 V) (200 V)	P.158	P.162	-
			1/7.5	1/7.5	200	240	196	1.37				
			1/10	1/10	150	180	245	1.76				
			1/15	1/15	100	120	343	2.65				
			1/20	1/20	75	90	441	3.53				
			1/25	1/25	60	72	490	4.41				
			1/30	1/29	50	60	539	5.29				
			1/40	1/40	37.5	45	784	7.06				
			1/50	1/50	30	36	882	8.82				
			1/60	1/58	25	30	882	10.8				
			1/80	1/80	18.8	22.5	980	13.7				
			1/100	1/100	15	18	980	16.7				
			1/120	1/120	12.5	15	1080	20.6				
		18	1/160	1/160	9.4	11.2	1370	26.5	50 (100 V) 40 (200 V)	P.159	P.163	-
			1/200	1/200	7.5	9	1370	33.3				
			1/240	1/240	6.3	7.5	1370	40.2				
		28	1/300	91/27000	5	6	2740	45.1	40 (100 V) (200 V)	P.160	P.164	P.166
			1/375	11/4050	4	4.8	2740	55.9				
			1/450	637/297000	3.3	4	2740	67.6				
			1/600	221/129150	2.5	3	2740	90.2				
			1/750	187/135450	2	2.4	2740	118				
			1/900	169/147600	1.7	2	2740	137				
		32	1/1200	13/14964	1.3	1.5	5100	176	40 (100 V) (200 V)	P.161	P.164	P.166
			1/1500	11/15660	1	1.2	5100	225				
			1/1800	13/22446	0.8	1	5100	274				
	1-Phase 60 W	15	1/5	1/5	300	360	98	1.37	60 (100 V) 55 (200 V)	P.158	P.162	-
			1/7.5	1/7.5	200	240	196	2.06				
			1/10	1/10	150	180	245	2.74				
			1/15	1/15	100	120	343	4.12				
			1/20	1/20	75	90	441	5.49				
			1/25	1/25	60	72	490	6.96				
			1/30	1/29	50	60	539	8.33				
			1/40	1/40	37.5	45	784	10.8				
			1/50	1/50	30	36	882	13.7				
			1/60	1/58	25	30	882	16.7				
		18	1/80	1/80	18.8	22.5	1270	20.6	70 (100 V) 55 (200 V)	P.159	P.163	-
			1/100	1/100	15	18	1270	26.5				
			1/120	1/120	12.5	15	1370	31.4				
			1/160	1/160	9.4	11.2	1370	42.1				
			1/200	1/200	7.5	9	1370	52.9				
			* 1/240	1/240	6.3	7.5	1370	53.9				
		28	1/300	91/27000	5	6	2740	70.6	60 (100 V) 55 (200 V)	P.160	P.164	P.166
			1/375	11/4050	4	4.8	2740	88.2				
			1/450	637/297000	3.3	4	2740	108				
			1/600	221/129150	2.5	3	2740	137				
			1/750	187/135450	2	2.4	2740	176				
			1/900	169/147600	1.7	2	2740	216				
		32	1/1200	13/14964	1.3	1.5	5100	284	60 (100 V) 55 (200 V)	P.161	P.164	P.166
			1/1500	11/15660	1	1.2	5100	353				
			1/1800	13/22446	0.8	1	5100	421				

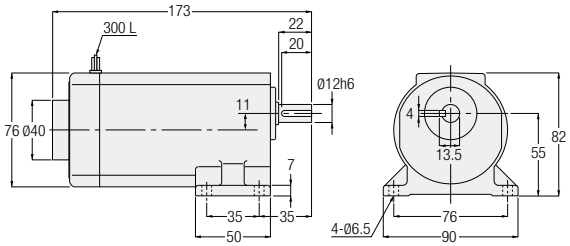
Series	Motor Power	Frame Size	Reduction Ratio	Actual Reduction Ratio	Output Shaft Speed r/min		Allowable Output Shaft O.H.L.	Allowable Output Shaft Torque		Drawings		
					50 Hz	60 Hz	N	At High Speed N·m	At 50 r/min (%)	Foot Mount	Flange Mount	Small Flange Mount
MINI	1-Phase 90 W	15	1/5	1/5	300	360	147	2.06	40 (100 V) (200 V)	P.158	P.162	-
			1/7.5	1/7.5	200	240	245	3.14				
			1/10	1/10	150	180	343	4.12				
			1/15	1/15	100	120	441	6.17				
			1/20	1/20	75	90	539	8.33				
			1/25	1/25	60	72	588	10.8				
			1/30	1/29	50	60	686	12.7				
		18	1/40	1/40	37.5	45	1080	16.7	40 (100 V) (200 V)	P.159	P.163	-
			1/50	1/50	30	36	1180	20.6				
			1/60	1/60	25	30	1180	24.5				
			1/80	1/80	18.8	22.5	1270	31.4				
			1/100	1/100	15	18	1270	39.2				
			1/120	1/120	12.5	15	1370	47.0				
			* 1/160	1/160	9.4	11.2	1370	53.9				
			* 1/200	1/200	7.5	9	1370	53.9				
			* 1/240	1/240	6.3	7.5	1370	53.9				
		28	1/300	221/64575	5	6	2740	108	40 (100 V) (200 V)	P.160	P.164	P.166
			1/375	187/67725	4	4.8	2740	137				
			1/450	169/73800	3.3	4	2740	157				
		32	1/600	13/7740	2.5	3	5100	216	40 (100 V) (200 V)	P.161	P.164	P.166
			1/750	11/8100	2	2.4	5100	265				
			1/900	13/11610	1.7	2	5100	314				
		40	1/1200	13/14964	1.3	1.5	7060	421	40 (100 V) (200 V)	P.161	P.165	-
			1/1500	11/15660	1	1.2	7060	529				
			1/1800	13/22443	0.8	1	7060	637				

Note 1: Please be sure to read the notes on page 154.

4-4. Drawings

G Type Parallel Shaft | Shaft Diameter **12** | **Foot** Mounting

<Figure 1>

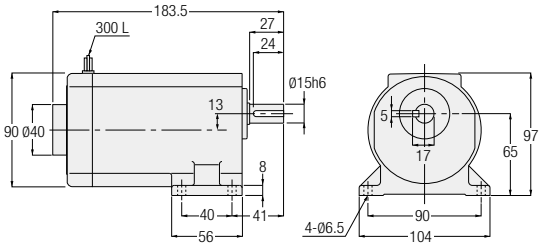


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	15 W	GLU-12-✱✱✱-S15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	Set	2
		GLU-12-✱✱✱-S15W				
		GLP-12-✱✱✱-S15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	Sold Separately	2
		GLP-12-✱✱✱-S15W				
	25 W	GLU-12-✱✱✱-S25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	1	Set	2
		GLU-12-✱✱✱-S25W				
		GLP-12-✱✱✱-S25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	1	Sold Separately	2
		GLP-12-✱✱✱-S25W				

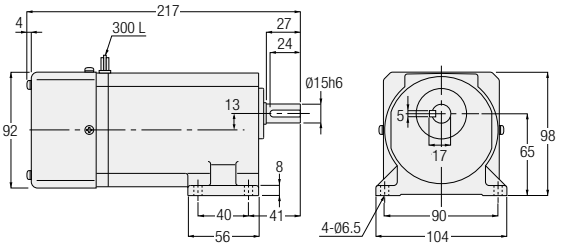
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 154 for the performance table.

G Type Parallel Shaft | Shaft Diameter 15 | Foot Mounting

<Figure 1>



<Figure 2>

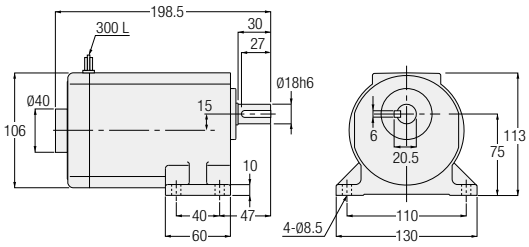


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	25 W	GLU-15-✱✱✱-S25	160, 200, 240	1	Set	3
		GLU-15-✱✱✱-S25W				
		GLP-15-✱✱✱-S25	160, 200, 240	1	Sold Separately	3
		GLP-15-✱✱✱-S25W				
	40 W	GLU-15-✱✱✱-S40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	1	Set	3
		GLU-15-✱✱✱-S40W				
		GLP-15-✱✱✱-S40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	1	Sold Separately	3
		GLP-15-✱✱✱-S40W				
	60 W	GLU-15-✱✱✱-S60	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	2	Set	3
		GLU-15-✱✱✱-S60W				
		GLP-15-✱✱✱-S60	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	2	Sold Separately	3
		GLP-15-✱✱✱-S60W				
	90 W	GLU-15-✱✱✱-S90	5, 7.5, 10, 15, 20, 25, 30	2	Set	3
		GLU-15-✱✱✱-S90W				
		GLP-15-✱✱✱-S90	5, 7.5, 10, 15, 20, 25, 30	2	Sold Separately	3
		GLP-15-✱✱✱-S90W				

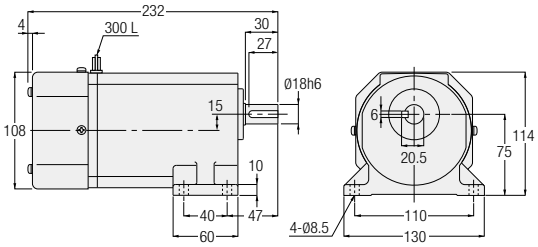
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 154 for the performance table.

G Type Parallel Shaft | Shaft Diameter **18** | **Foot** Mounting

<Figure 1>



<Figure 2>

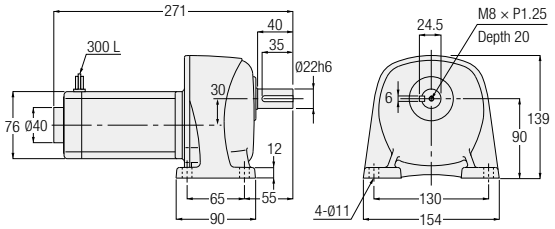


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	40 W	GLU-18-✱✱✱-S40	160, 200, 240	1	Set	4
		GLU-18-✱✱✱-S40W				
		GLP-18-✱✱✱-S40	160, 200, 240	1	Sold Separately	4
		GLP-18-✱✱✱-S40W				
	60 W	GLU-18-✱✱✱-S60	80, 100, 120, 160, 200, 240	2	Set	4
		GLU-18-✱✱✱-S60W				
		GLP-18-✱✱✱-S60	80, 100, 120, 160, 200, 240	2	Sold Separately	4
		GLP-18-✱✱✱-S60W				
	90 W	GLU-18-✱✱✱-S90	40, 50, 60, 80, 100, 120, 160, 200, 240	2	Set	4
		GLU-18-✱✱✱-S90W				
		GLP-18-✱✱✱-S90	40, 50, 60, 80, 100, 120, 160, 200, 240	2	Sold Separately	4
		GLP-18-✱✱✱-S90W				

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 155 for the performance table.

G Type Parallel Shaft | Shaft Diameter 22 | Foot Mounting

<Figure 1>

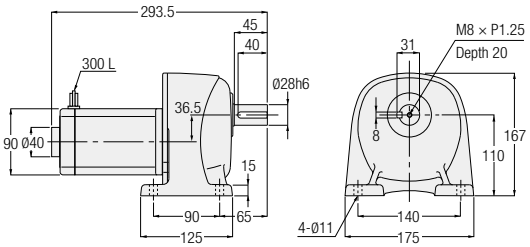


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	15 W	GLU-22-***-S15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	1	Set	5
		GLU-22-***-S15W				
		GLP-22-***-S15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	1	Sold Separately	5
		GLP-22-***-S15W				
	25 W	GLU-22-***-S25	300, 375, 450, 600, 750, 900	1	Set	5
		GLU-22-***-S25W				
		GLP-22-***-S25	300, 375, 450, 600, 750, 900	1	Sold Separately	5
		GLP-22-***-S25W				

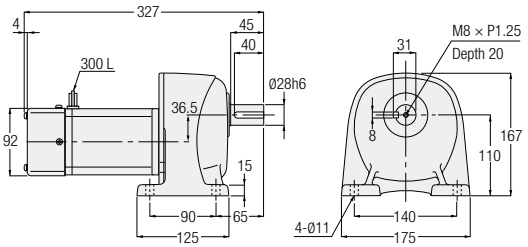
Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 154 for the performance table.

G Type Parallel Shaft | Shaft Diameter 28 | Foot Mounting

<Figure 2>



<Figure 3>

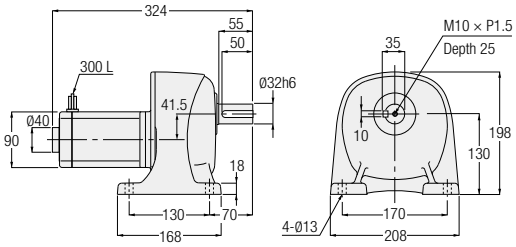


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	25 W	GLU-28-***-S25	1200, 1500, 1800	2	Set	7
		GLU-28-***-S25W				
		GLP-28-***-S25	1200, 1500, 1800	2	Sold Separately	7
		GLP-28-***-S25W				
	40 W	GLU-28-***-S40	300, 375, 450, 600, 750, 900	2	Set	7
		GLU-28-***-S40W				
		GLP-28-***-S40	300, 375, 450, 600, 750, 900	2	Sold Separately	7
		GLP-28-***-S40W				
	60 W	GLU-28-***-S60	300, 375, 450, 600, 750, 900	3	Set	7
		GLU-28-***-S60W				
		GLP-28-***-S60	300, 375, 450, 600, 750, 900	3	Sold Separately	7
		GLP-28-***-S60W				
	90 W	GLU-28-***-S90	300, 375, 450	3	Set	7
		GLU-28-***-S90W				
		GLP-28-***-S90	300, 375, 450	3	Sold Separately	7
		GLP-28-***-S90W				

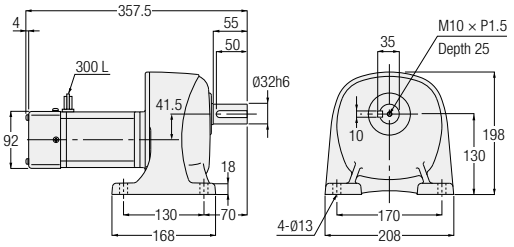
Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 154 for the performance table.

G Type Parallel Shaft | Shaft Diameter 32 | Foot Mounting

<Figure 1>



<Figure 2>

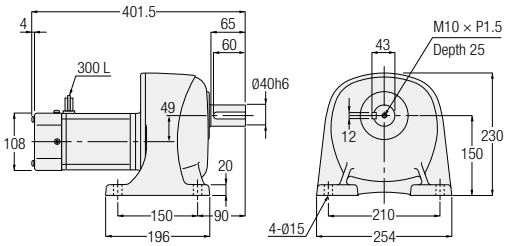


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	40 W	GLU-32-***-S40	1200, 1500, 1800	1	Set	11
		GLU-32-***-S40W				
		GLP-32-***-S40	1200, 1500, 1800	1	Sold Separately	11
		GLP-32-***-S40W				
	60 W	GLU-32-***-S60	1200, 1500, 1800	2	Set	11
		GLU-32-***-S60W				
		GLP-32-***-S60	1200, 1500, 1800	2	Sold Separately	11
		GLP-32-***-S60W				
	90 W	GLU-32-***-S90	600, 750, 900	2	Set	11
		GLU-32-***-S90W				
		GLP-32-***-S90	600, 750, 900	2	Sold Separately	11
		GLP-32-***-S90W				

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 155 for the performance table.

G Type Parallel Shaft | Shaft Diameter 40 | Foot Mounting

<Figure 3>

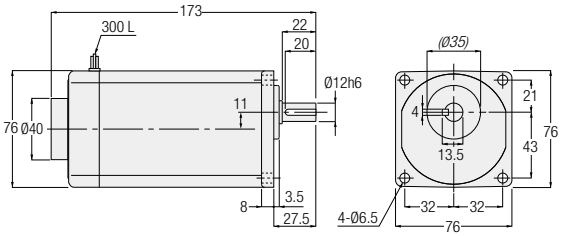


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	90 W	GLU-40-***-S90	1200, 1500, 1800	3	Set	15
		GLU-40-***-S90W				
		GLP-40-***-S90	1200, 1500, 1800	3	Sold Separately	15
		GLP-40-***-S90W				

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 156 for the performance table.

G Type Parallel Shaft | Shaft Diameter 12 | Flange Mounting

<Figure 1>



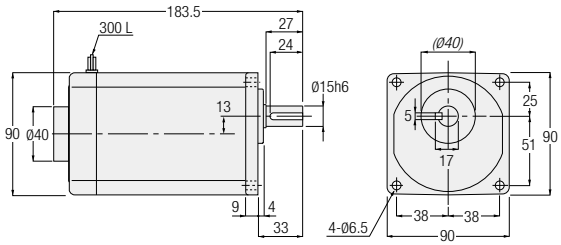
Note: The italic dimension indicates areas with remaining casting surface. Please add 0.5 mm or more to the italic dimension for the diameter of the mating hole.

Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	15 W	GFU-12-✻✻✻-S15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	Set	2
		GFU-12-✻✻✻-S15W				
		GFP-12-✻✻✻-S15	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120, 160, 200, 240	1	Sold Separately	2
		GFP-12-✻✻✻-S15W				
	25 W	GFU-12-✻✻✻-S25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	1	Set	2
		GFU-12-✻✻✻-S25W				
		GFP-12-✻✻✻-S25	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	1	Sold Separately	2
		GFP-12-✻✻✻-S25W				

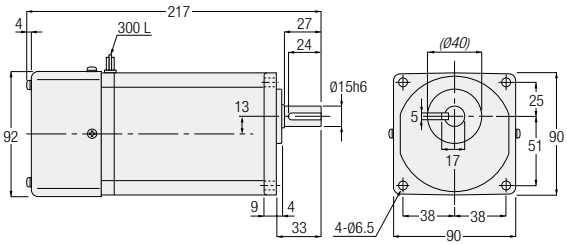
Note: A reduction ratio will be indicated as ✻✻✻ in the nomenclature.
Note: Please refer to page 154 for the performance table.

G Type Parallel Shaft | Shaft Diameter 15 | Flange Mounting

<Figure 2>



<Figure 3>



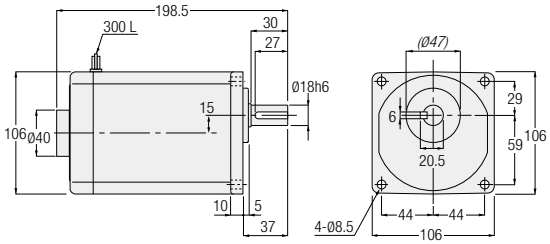
Note: The italic dimension indicates areas with remaining casting surface. Please add 0.5 mm or more to the italic dimension for the diameter of the mating hole.

Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	25 W	GFU-15-✻✻✻-S25	160, 200, 240	2	Set	3
		GFU-15-✻✻✻-S25W				
		GFP-15-✻✻✻-S25	160, 200, 240	2	Sold Separately	3
		GFP-15-✻✻✻-S25W				
	40 W	GFU-15-✻✻✻-S40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	2	Set	3
		GFU-15-✻✻✻-S40W				
		GFP-15-✻✻✻-S40	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	2	Sold Separately	3
		GFP-15-✻✻✻-S40W				
	60 W	GFU-15-✻✻✻-S60	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	3	Set	3
		GFU-15-✻✻✻-S60W				
		GFP-15-✻✻✻-S60	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	3	Sold Separately	3
		GFP-15-✻✻✻-S60W				
	90 W	GFU-15-✻✻✻-S90	5, 7.5, 10, 15, 20, 25, 30	3	Set	3
		GFU-15-✻✻✻-S90W				
		GFP-15-✻✻✻-S90	5, 7.5, 10, 15, 20, 25, 30	3	Sold Separately	3
		GFP-15-✻✻✻-S90W				

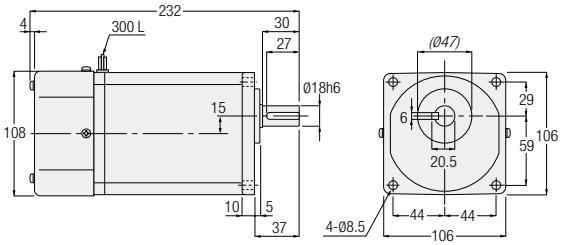
Note: A reduction ratio will be indicated as ✻✻✻ in the nomenclature.
Note: Please refer to page 154 for the performance table.

G Type Parallel Shaft | Shaft Diameter 18 | Flange Mounting

<Figure 1>



<Figure 2>



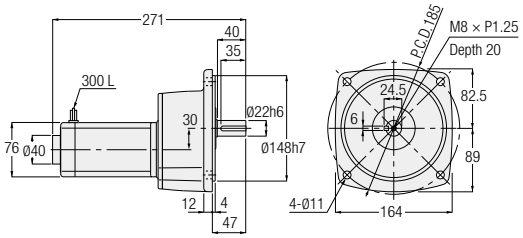
Note: The italic dimension indicates areas with remaining casting surface. Please add 0.5 mm or more to the italic dimension for the diameter of the mating hole.

Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	40 W	GFU-18-✻✻✻-S40	160, 200, 240	1	Set	4
		GFU-18-✻✻✻-S40W				
		GFP-18-✻✻✻-S40	160, 200, 240	1	Sold Separately	4
		GFP-18-✻✻✻-S40W				
	60 W	GFU-18-✻✻✻-S60	80, 100, 120, 160, 200, 240	2	Set	4
		GFU-18-✻✻✻-S60W				
		GFP-18-✻✻✻-S60	80, 100, 120, 160, 200, 240	2	Sold Separately	4
		GFP-18-✻✻✻-S60W				
	90 W	GFU-18-✻✻✻-S90	40, 50, 60, 80, 100, 120, 160, 200, 240	2	Set	4
		GFU-18-✻✻✻-S90W				
		GFP-18-✻✻✻-S90	40, 50, 60, 80, 100, 120, 160, 200, 240	2	Sold Separately	4
		GFP-18-✻✻✻-S90W				

Note: A reduction ratio will be indicated as ✻✻✻ in the nomenclature.
Note: Please refer to page 155 for the performance table.

G Type Parallel Shaft | Shaft Diameter 22 | Flange Mounting

<Figure 3>

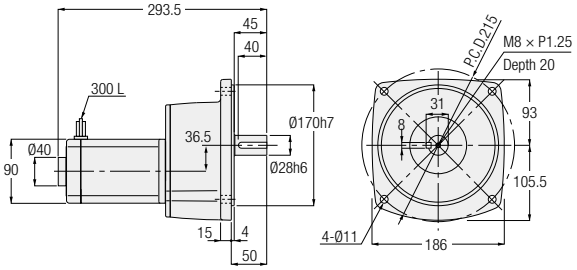


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	15 W	GFU-22-✻✻✻-S15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	3	Set	5
		GFU-22-✻✻✻-S15W				
		GFP-22-✻✻✻-S15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	3	Sold Separately	5
		GFP-22-✻✻✻-S15W				
	25 W	GFU-22-✻✻✻-S25	300, 375, 450, 600, 750, 900	3	Set	5
		GFU-22-✻✻✻-S25W				
		GFP-22-✻✻✻-S25	300, 375, 450, 600, 750, 900	3	Sold Separately	5
		GFP-22-✻✻✻-S25W				

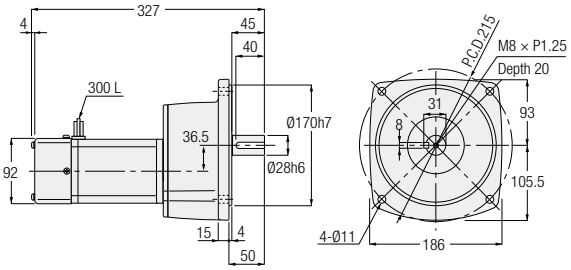
Note: A reduction ratio will be indicated as ✻✻✻ in the nomenclature.
Note: Please refer to page 154 for the performance table.

G Type Parallel Shaft | Shaft Diameter 28 | Flange Mounting

<Figure 1>



<Figure 2>

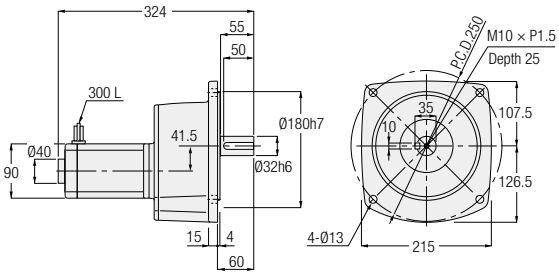


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	25 W	GFU-28-✱✱✱-S25	1200, 1500, 1800	1	Set	7
		GFU-28-✱✱✱-S25W				
		GFP-28-✱✱✱-S25	1200, 1500, 1800	1	Sold Separately	7
		GFP-28-✱✱✱-S25W				
	40 W	GFU-28-✱✱✱-S40	300, 375, 450, 600, 750, 900	1	Set	7
		GFU-28-✱✱✱-S40W				
		GFP-28-✱✱✱-S40	300, 375, 450, 600, 750, 900	1	Sold Separately	7
		GFP-28-✱✱✱-S40W				
	60 W	GFU-28-✱✱✱-S60	300, 375, 450, 600, 750, 900	2	Set	7
		GFU-28-✱✱✱-S60W				
		GFP-28-✱✱✱-S60	300, 375, 450, 600, 750, 900	2	Sold Separately	7
		GFP-28-✱✱✱-S60W				
	90 W	GFU-28-✱✱✱-S90	300, 375, 450	2	Set	7
		GFU-28-✱✱✱-S90W				
		GFP-28-✱✱✱-S90	300, 375, 450	2	Sold Separately	7
		GFP-28-✱✱✱-S90W				

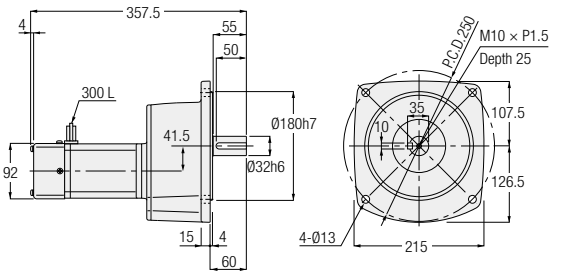
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 154 for the performance table.

G Type Parallel Shaft | Shaft Diameter 32 | Flange Mounting

<Figure 3>



<Figure 4>

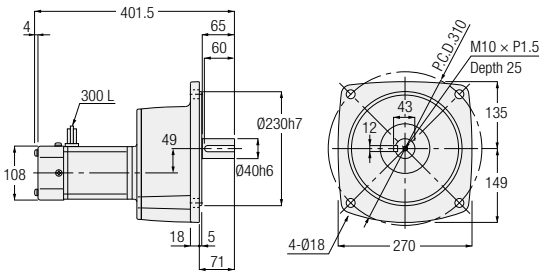


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	40 W	GFU-32-✱✱✱-S40	1200, 1500, 1800	3	Set	11
		GFU-32-✱✱✱-S40W				
		GFP-32-✱✱✱-S40	1200, 1500, 1800	3	Sold Separately	11
		GFP-32-✱✱✱-S40W				
	60 W	GFU-32-✱✱✱-S60	1200, 1500, 1800	4	Set	11
		GFU-32-✱✱✱-S60W				
		GFP-32-✱✱✱-S60	1200, 1500, 1800	4	Sold Separately	11
		GFP-32-✱✱✱-S60W				
	90 W	GFU-32-✱✱✱-S90	600, 750, 900	4	Set	11
		GFU-32-✱✱✱-S90W				
		GFP-32-✱✱✱-S90	600, 750, 900	4	Sold Separately	11
		GFP-32-✱✱✱-S90W				

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 155 for the performance table.

G Type Parallel Shaft | Shaft Diameter 40 | Flange Mounting

<Figure 1>

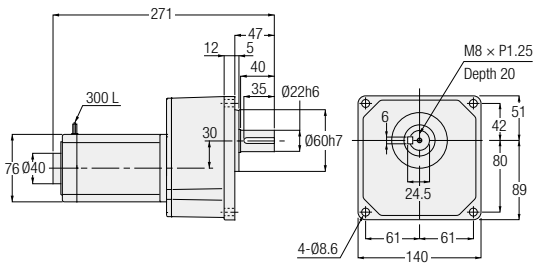


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	90 W	GFU-40-✱✱✱-S90	1200, 1500, 1800	1	Set	15
		GFU-40-✱✱✱-S90W				
		GFP-40-✱✱✱-S90	1200, 1500, 1800	1	Sold Separately	15
		GFP-40-✱✱✱-S90W				

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 156 for the performance table.

G Type Parallel Shaft | Shaft Diameter 22 | Small Flange Mounting

<Figure 2>

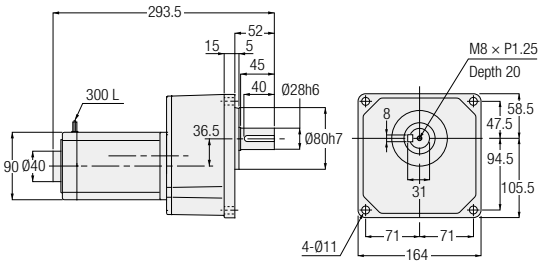


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	15 W	GKU-22-✱✱✱-S15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	2	Set	5
		GKU-22-✱✱✱-S15W				
		GKP-22-✱✱✱-S15	300, 375, 450, 600, 750, 900, 1200, 1500, 1800	2	Sold Separately	5
		GKP-22-✱✱✱-S15W				
	25 W	GKU-22-✱✱✱-S25	300, 375, 450, 600, 750, 900	2	Set	5
		GKU-22-✱✱✱-S25W				
		GKP-22-✱✱✱-S25	300, 375, 450, 600, 750, 900	2	Sold Separately	5
		GKP-22-✱✱✱-S25W				

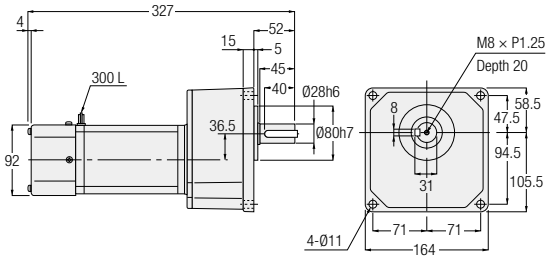
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 154 for the performance table.

G Type Parallel Shaft | Shaft Diameter 28 | Small Flange Mounting

<Figure 1>



<Figure 2>

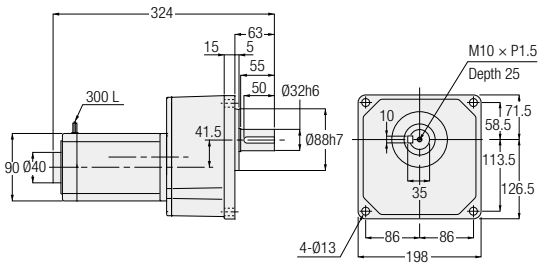


Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	25 W	GKU-28-✱✱✱-S25	1200, 1500, 1800	1	Set	7
		GKU-28-✱✱✱-S25W				
		GKP-28-✱✱✱-S25	1200, 1500, 1800	1	Sold Separately	7
		GKP-28-✱✱✱-S25W				
	40 W	GKU-28-✱✱✱-S40	300, 375, 450, 600, 750, 900	1	Set	7
		GKU-28-✱✱✱-S40W				
		GKP-28-✱✱✱-S40	300, 375, 450, 600, 750, 900	1	Sold Separately	7
		GKP-28-✱✱✱-S40W				
	60 W	GKU-28-✱✱✱-S60	300, 375, 450, 600, 750, 900	2	Set	7
		GKU-28-✱✱✱-S60W				
		GKP-28-✱✱✱-S60	300, 375, 450, 600, 750, 900	2	Sold Separately	7
		GKP-28-✱✱✱-S60W				
	90 W	GKU-28-✱✱✱-S90	300, 375, 450	2	Set	7
		GKU-28-✱✱✱-S90W				
		GKP-28-✱✱✱-S90	300, 375, 450	2	Sold Separately	7
		GKP-28-✱✱✱-S90W				

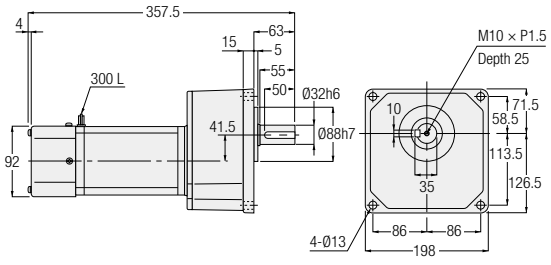
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 154 for the performance table.

G Type Parallel Shaft | Shaft Diameter 32 | Small Flange Mounting

<Figure 3>



<Figure 4>



Number of Phases	Power	Part Number	Reduction Ratio	Figure Number	Controller	Approx. Weight (kg)
1-Phase	40 W	GKU-32-✱✱✱-S40	1200, 1500, 1800	3	Set	11
		GKU-32-✱✱✱-S40W				
		GKP-32-✱✱✱-S40	1200, 1500, 1800	3	Sold Separately	11
		GKP-32-✱✱✱-S40W				
	60 W	GKU-32-✱✱✱-S60	1200, 1500, 1800	4	Set	11
		GKU-32-✱✱✱-S60W				
		GKP-32-✱✱✱-S60	1200, 1500, 1800	4	Sold Separately	11
		GKP-32-✱✱✱-S60W				
	90 W	GKU-32-✱✱✱-S90	600, 750, 900	4	Set	11
		GKU-32-✱✱✱-S90W				
		GKP-32-✱✱✱-S90	600, 750, 900	4	Sold Separately	11
		GKP-32-✱✱✱-S90W				

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 155 for the performance table.

MEMO

5. Reducers (Double Shaft Type)

5-1. Performance Table

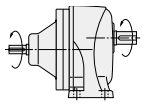
G3 Type Reducers (Double Shaft Type)

[Notes]
- Allowable output shaft O.H.L. is the value at the middle of the output shaft.
- For the rotational direction of the output shaft, please refer to the figure shown below.
- The "*" mark indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.
- The motor power class value is the value when a 4 pole motor is used.

■ Rotational Direction Relationship

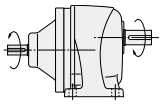
The rotational direction shown below with arrow illustrates the rotation relationship between the output shaft / input shaft and is no way illustrating limitations in rotational direction.

Power	Reduction Ratio
0.1 kW	1/5 to 1/50 and 1/300 to 1/1200
0.2 kW, 0.4 kW	1/5 to 1/30 and 1/300 to 1/1200
0.75 kW	1/5 to 1/30 and 1/300 to 1/450
1.5 kW, 2.2 kW	1/5 to 1/30



The input and output shafts rotate in the same direction.

Power	Reduction Ratio
0.1 kW	1/60 to 1/200
0.2 kW, 0.4 kW	1/40 to 1/200
0.75 kW, 1.5 kW	1/40 to 1/200
2.2 kW	1/40 to 1/100



The input and output shafts rotate in the opposite directions.

4 Poles Motor Power Class	Frame Size	Reduction Ratio	Actual Reduction Ratio	Allowable Output Shaft Torque Input (1500 r/min)	Allowable O.H.L.		Drawings		
					N		Foot Mount	Flange Mount	Small Flange Mount
				N·m	Input Shaft	Output Shaft			
0.1 kW	18	1/5	33/164	3	176	770	P.170	P.173	P.176
		1/10	77/779	6.1		1140			
		1/15	119/1804	9.1		1270			
		1/20	49/984	12		1530			
		1/25	28/697	15		1650			
		1/30	35/1066	19		1780			
		1/40	35/1404	24		1910			
		1/50	7/351	29		2040			
	22	1/60	11/684	35	176	2800	P.170	P.173	P.176
		1/80	21/1634	47		3180			
		1/100	7/684	59		3180			
		1/120	147/17974	71		3180			
		1/160	21/3268	94		3180			
		1/200	21/4085	117		3180			
	28	1/300	221/65190	157	176	3430	P.171	P.174	P.177
		1/375	187/68370	196		3430			
		1/450	1183/521520	235		3430			
	32	1/600	147/88192	313	176	5880	P.171	P.174	P.177
		1/750	49/36464	391		5880			
		* 1/900	62/57063	431		5880			
		* 1/1200	46/55195	431		5880			
0.2 kW	18	1/5	33/164	6.1	196	770	P.170	P.173	P.176
		1/10	77/779	11.8		1140			
		1/15	119/1804	18.6		1270			
		1/20	49/984	24.5		1450			
		1/25	28/697	30.4		1550			
	22	1/30	7/216	36.3	196	2280	P.170	P.173	P.176
		1/40	91/3600	47		2410			
		1/50	11/540	58.8		2540			
		1/60	637/39600	70.6		2800			
		1/80	91/7200	94.1		3000			
		* 1/100	11/1080	97		3180			
	28	1/100	13/1353	117	196	3690	P.171	P.174	P.177
		1/120	91/11000	140		4320			
		1/160	1/165	187		4450			
		1/200	7/1375	234		4450			
	32	1/300	91/27348	313	196	5880	P.171	P.174	P.177
		1/375	77/28620	391		5880			
		1/450	91/41022	431		5880			
	40	1/600	9/5300	626	196	7060	P.172	P.175	-
		* 1/750	62/46427	764		7060			
		* 1/900	23/21259	764		7060			
		* 1/1200	9/10600	764		7060			

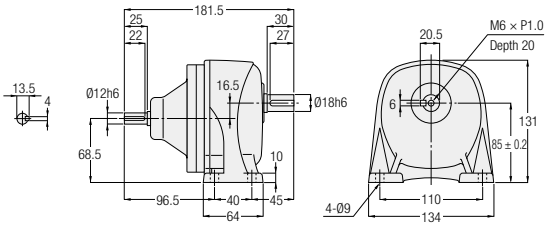
5-1. Performance Table

4 Poles Motor Power Class	Frame Size	Reduction Ratio	Actual Reduction Ratio	Allowable Output Shaft Torque Input (1500 r/min)	Allowable O.H.L.		Drawings		
					N		Foot Mount	Flange Mount	Small Flange Mount
				N·m	Input Shaft	Output Shaft			
0.4 kW	22	1/5	7/34	12	245	1140	P.170	P.173	P.176
		1/10	7/68	25		1530			
		1/15	49/748	36		1780			
		1/20	7/136	48		1910			
		1/25	7/170	61		2050			
	28	1/30	1/30	73	245	3310	P.171	P.174	P.177
		1/40	221/8610	94		3690			
		1/50	187/9030	117		4080			
		1/60	169/9840	140		4450			
		1/80	65/5166	187		4450			
		* 1/100	55/5418	193		4450			
	32	1/100	7/688	234	245	6370	P.171	P.174	P.177
		1/120	77/9360	281		7640			
		1/160	21/3328	374		7640			
		1/200	189/38272	431		7640			
	40	1/300	7/2160	626	245	7060	P.172	P.175	-
		* 1/375	77/29328	764		7060			
		* 1/450	49/21600	764		7060			
	50	* 1/600	57/35360	1225	245	9800	P.172	P.175	-
		* 1/750	25/19448	1225		9800			
		* 1/900	5/4338	1225		9800			
		* 1/1200	33/40664	1225		9800			
0.75 kW	28	1/5	91/459	23	294	1650	P.171	P.174	P.177
		1/10	1/10	45		2280			
		1/15	91/1360	68		2800			
		1/20	5/102	91		3050			
		1/25	7/170	114		3180			
	32	1/30	3/92	136	294	5220	P.171	P.174	P.177
		1/40	13/516	175		5470			
		1/50	11/540	220		5780			
		1/60	13/774	264		6080			
		1/80	13/1032	351		6180			
		* 1/100	11/1080	362		6770			
	40	1/100	91/9000	439	294	9170	P.172	P.175	-
		1/120	77/9400	527		9170			
		1/160	9/1400	703		9170			
		1/200	9/1750	764		9170			
	50	1/300	211/62013	1176	294	9800	P.172	P.175	
		* 1/375	94/36103	1225		9800			
		* 1/450	65/29167	1225		9800			
1.5 kW	32	1/5	1/5	45	343	2280	P.171	P.174	P.177
		1/10	1/10	91		3180			
		1/15	1/15	136		3690			
		1/20	1/20	181		4190			
		1/25	9/230	226		4410			
	40	1/30	1/30	272	343	6600	P.172	P.175	-
		1/40	13/540	351		6960			
		1/50	11/564	439		6960			
		1/60	91/5400	527		7210			
		1/80	13/1080	703		7400			
		* 1/100	11/1128	724		7400			
	50	1/100	25/2618	878	343	12500	P.172	P.175	-
		1/120	77/8993	1060		12500			
		* 1/160	33/5474	1230		12500			
		* 1/200	30/5831	1230		12500			
2.2 kW	40	1/5	7/36	66	392	2800	P.172	P.175	-
		1/10	7/72	131		4080			
		1/15	49/720	197		4580			
		1/20	7/144	264		5220			
		1/25	7/180	329		6110			
	50	1/30	5/154	395	392	9040	P.172	P.175	
		1/40	399/15488	499		9420			
		1/50	399/20240	623		10000			
		1/60	49/2904	748		10000			
		1/80	49/3795	1000		10100			
		* 1/100	21/2116	1230		10100			

5-2. Drawings

G3 Type Parallel Shaft | Shaft Diameter 18 | Foot Mounting

<Figure 1>

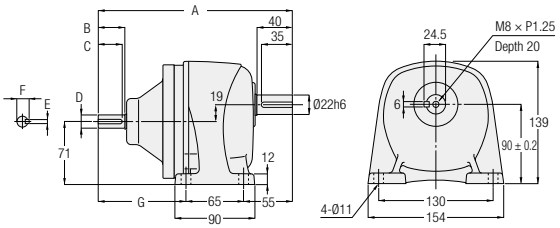


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)
0.1 kW	G3L-18-✱✱✱-010	5, 10, 15, 20, 25, 30, 40, 50	1	2.5
0.2 kW	G3L-18-✱✱✱-020	5, 10, 15, 20, 25	1	2.5

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 168 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 22 | Foot Mounting

<Figure 2>

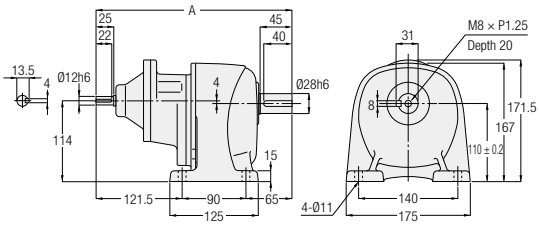


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F	G
0.1 kW	G3L-22-✱✱✱-010	60, 80, 100, 120, 160, 200	2	3.5	207.5	25	22	Ø12h6	4	13.5	87.5
0.2 kW	G3L-22-✱✱✱-020	30, 40, 50, 60, 80, 100	2	3.5	207.5	25	22	Ø12h6	4	13.5	87.5
0.4 kW	G3L-22-✱✱✱-040	5, 10, 15, 20, 25	2	4	219	30	27	Ø15h6	5	17	99

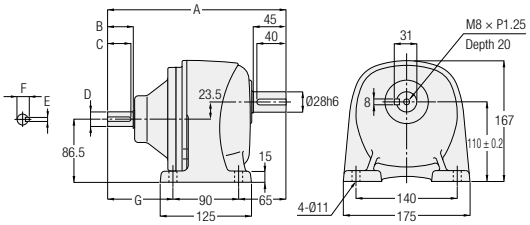
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 168 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 28 | Foot Mounting

<Figure 1>



<Figure 2>

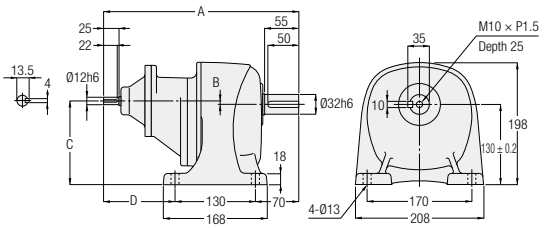


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F	G
0.1 kW	G3L-28-✱✱✱-010	300, 375, 450	1	6.5	276.5	-	-	-	-	-	-
0.2 kW	G3L-28-✱✱✱-020	100, 120, 160, 200	2	5.5	220.5	25	22	Ø12h6	4	13.5	65.5
0.4 kW	G3L-28-✱✱✱-040	30, 40, 50, 60, 80, 100	2	6	235	30	27	Ø15h6	5	17	80
0.75 kW	G3L-28-✱✱✱-075	5, 10, 15, 20, 25	2	6	244.5	35	32	Ø20h6	6	22.5	89.5

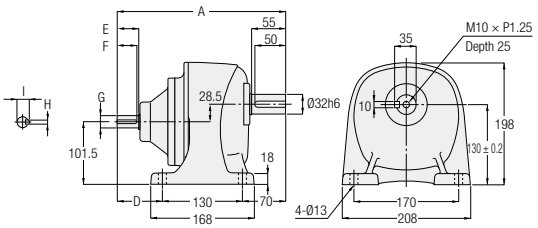
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 168 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 32 | Foot Mounting

<Figure 3>



<Figure 4>

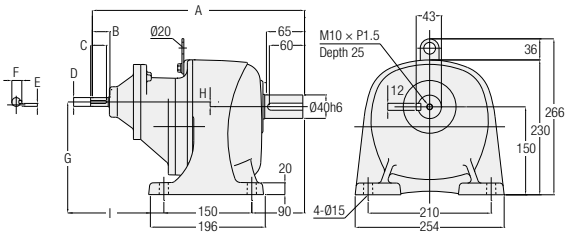


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F	G	H	I
0.1 kW	G3L-32-✱✱✱-010	600, 750, 900, 1200	3	9.5	295.5	-1	129	95.5	-	-	-	-	-
0.2 kW	G3L-32-✱✱✱-020	300, 375, 450	3	9.5	315.5	5.5	135.5	115.5	-	-	-	-	-
0.4 kW	G3L-32-✱✱✱-040	100, 120, 160, 200	4	9	254	-	-	54	30	27	Ø15h6	5	17
0.75 kW	G3L-32-✱✱✱-075	30, 40, 50, 60, 80, 100	4	9.5	273.5	-	-	73.5	35	32	Ø20h6	6	22.5
1.5 kW	G3L-32-✱✱✱-150	5, 10, 15, 20, 25	4	10	297	-	-	97	40	35	Ø25h6	8	28

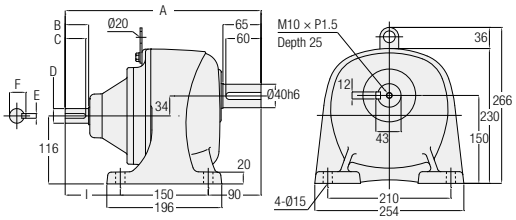
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 168 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 40 | Foot Mounting

<Figure 1>



<Figure 2>



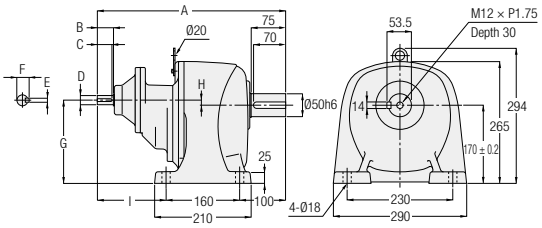
Note: Gearmotors with a motor power of 0.2 kW or 0.75 kW does not include the hanging plate.

Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F	G	H	I
0.2 kW	G3L-40-✱✱✱-020	600, 750, 900, 1200	1	16	337.5	25	22	Ø12h6	4	13.5	150	0	97.5
0.4 kW	G3L-40-✱✱✱-040	300, 375, 450	1	17.5	362	30	27	Ø15h6	5	17	158	8	122
0.75 kW	G3L-40-✱✱✱-075	100, 120, 160, 200	2	16	295.5	35	32	Ø20h6	6	22.5	-	-	55.5
1.5 kW	G3L-40-✱✱✱-150	30, 40, 50, 60, 80, 100	2	17	334	40	35	Ø25h6	8	28	-	-	94
2.2 kW	G3L-40-✱✱✱-220	5, 10, 15, 20, 25	2	16.5	330	45	40	Ø30h6	8	33	-	-	90

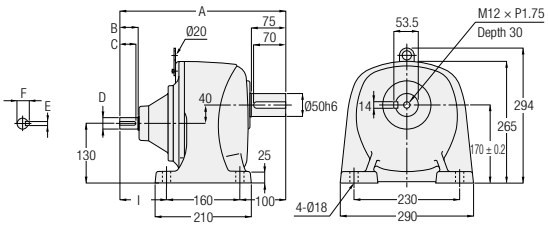
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 168 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 50 | Foot Mounting

<Figure 3>



<Figure 4>

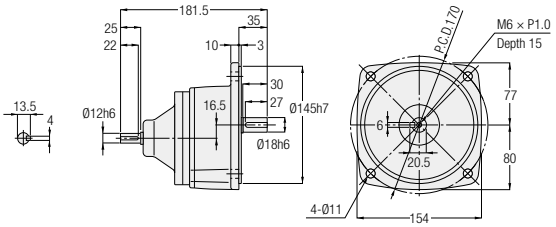


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F	G	H	I
0.4 kW	G3L-50-✱✱✱-040	600, 750, 900, 1200	3	47	390	30	27	Ø15h6	5	17	172	2	130
0.75 kW	G3L-50-✱✱✱-075	300, 375, 450	3	47.5	409.5	35	32	Ø20h6	6	22.5	181	11	149.5
1.5 kW	G3L-50-✱✱✱-150	100, 120, 160, 200	4	46.5	362	40	35	Ø25h6	8	28	-	-	102
2.2 kW	G3L-50-✱✱✱-220	30, 40, 50, 60, 80, 100	4	46.5	374	45	40	Ø30h6	8	33	-	-	114

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 169 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 18 | Flange Mounting

<Figure 1>

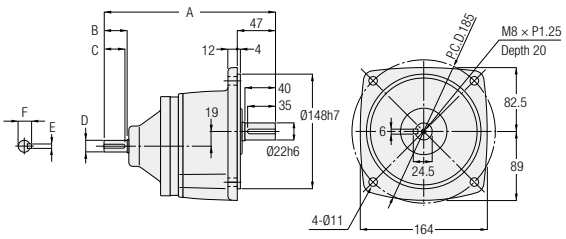


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)
0.1 kW	G3F-18-✱✱✱-010	5, 10, 15, 20, 25, 30, 40, 50	1	3
0.2 kW	G3F-18-✱✱✱-020	5, 10, 15, 20, 25	1	3

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 168 for the performance table.

G Type Parallel Shaft | Shaft Diameter 22 | Flange Mounting

<Figure 2>

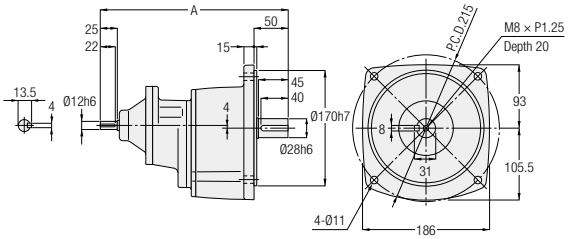


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F
0.1 kW	G3F-22-✱✱✱-010	60, 80, 100, 120, 160, 200	2	4	207.5	25	22	Ø12h6	4	13.5
0.2 kW	G3F-22-✱✱✱-020	30, 40, 50, 60, 80, 100	2	4	207.5	25	22	Ø12h6	4	13.5
0.4 kW	G3F-22-✱✱✱-040	5, 10, 15, 20, 25	2	4.5	219	30	27	Ø15h6	5	17

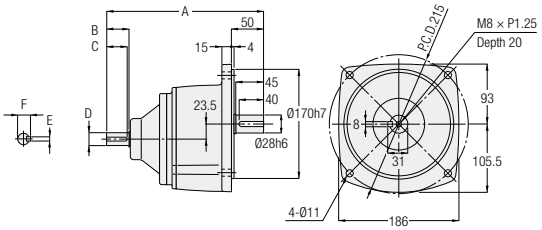
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 168 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 28 | Flange Mounting

<Figure 1>



<Figure 2>

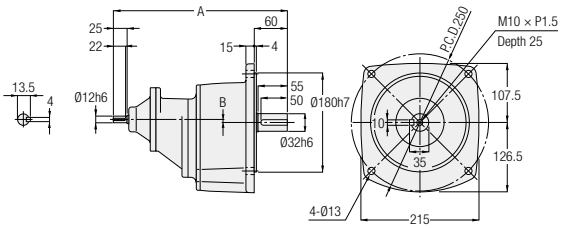


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F
0.1 kW	G3F-28-✱✱✱-010	300, 375, 450	1	7	276.5	-	-	-	-	-
0.2 kW	G3F-28-✱✱✱-020	100, 120, 160, 200	2	6	220.5	25	22	Ø12h6	4	13.5
0.4 kW	G3F-28-✱✱✱-040	30, 40, 50, 60, 80, 100	2	6.5	235	30	27	Ø15h6	5	17
0.75 kW	G3F-28-✱✱✱-075	5, 10, 15, 20, 25	2	6.5	244.5	35	32	Ø20h6	6	22.5

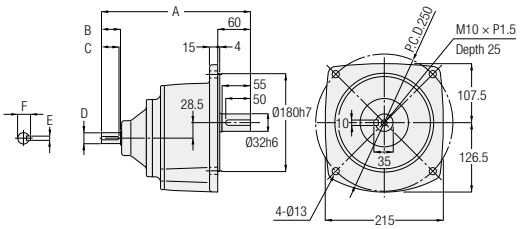
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 168 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 32 | Flange Mounting

<Figure 3>



<Figure 4>

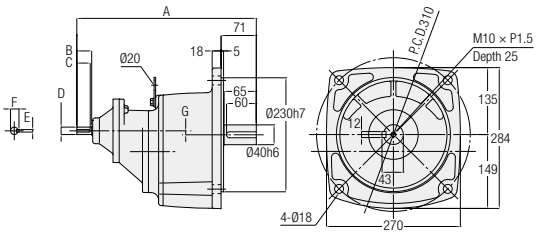


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F
0.1 kW	G3F-32-✱✱✱-010	600, 750, 900, 1200	3	10	295.5	-1	-	-	-	-
0.2 kW	G3F-32-✱✱✱-020	300, 375, 450	3	10	315.5	5.5	-	-	-	-
0.4 kW	G3F-32-✱✱✱-040	100, 120, 160, 200	4	9.5	254	30	27	Ø15h6	5	17
0.75 kW	G3F-32-✱✱✱-075	30, 40, 50, 60, 80, 100	4	10	273.5	35	32	Ø20h6	6	22.5
1.5 kW	G3F-32-✱✱✱-150	5, 10, 15, 20, 25	4	10.5	297	40	35	Ø25h6	8	28

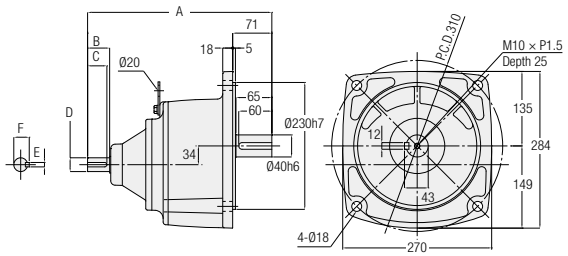
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 168 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 40 | Flange Mounting

<Figure 1>



<Figure 2>



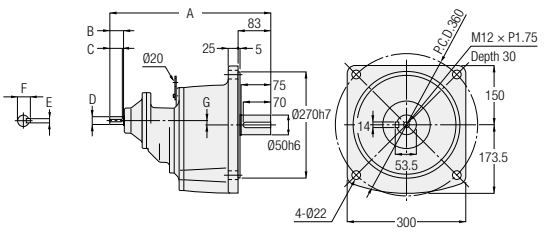
Note: Gearmotors with a motor power of 0.2 kW or 0.75 kW does not include the hanging plate.

Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F	G
0.2 kW	G3F-40-✱✱✱-020	600, 750, 900, 1200	1	17.5	337.5	25	22	Ø12h6	4	13.5	0
0.4 kW	G3F-40-✱✱✱-040	300, 375, 450	1	19	362	30	27	Ø15h6	5	17	8
0.75 kW	G3F-40-✱✱✱-075	100, 120, 160, 200	2	17.5	295.5	35	32	Ø20h6	6	22.5	-
1.5 kW	G3F-40-✱✱✱-150	30, 40, 50, 60, 80, 100	2	18.5	334	40	35	Ø25h6	8	28	-
2.2 kW	G3F-40-✱✱✱-220	5, 10, 15, 20, 25	2	18	330	45	40	Ø30h6	8	33	-

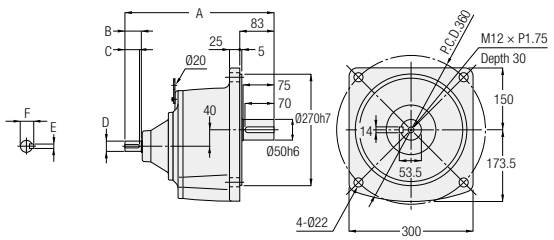
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 168 for the performance table.

G Type Parallel Shaft | Shaft Diameter 50 | Flange Mounting

<Figure 3>



<Figure 4>

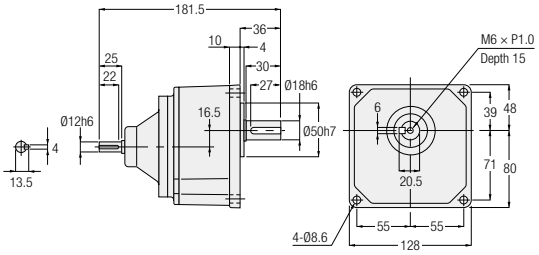


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F	G
0.4 kW	G3F-50-✱✱✱-040	600, 750, 900, 1200	3	52	390	30	27	Ø15h6	5	17	2
0.75 kW	G3F-50-✱✱✱-075	300, 375, 450	3	52.5	409.5	35	32	Ø20h6	6	22.5	11
1.5 kW	G3F-50-✱✱✱-150	100, 120, 160, 200	4	51.5	362	40	35	Ø25h6	8	28	-
2.2 kW	G3F-50-✱✱✱-220	30, 40, 50, 60, 80, 100	4	51.5	374	45	40	Ø30h6	8	33	-

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 169 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 18 | Small Flange Mounting

<Figure 1>

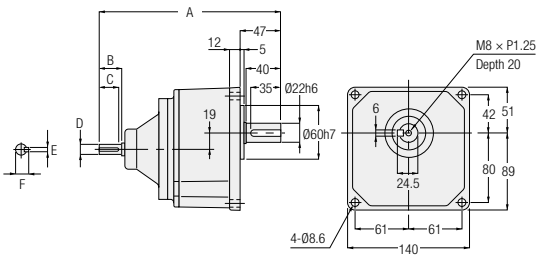


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)
0.1 kW	G3K-18-***-010	5, 10, 15, 20, 25, 30, 40, 50	1	3
0.2 kW	G3K-18-***-020	5, 10, 15, 20, 25	1	3

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 168 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 22 | Small Flange Mounting

<Figure 2>

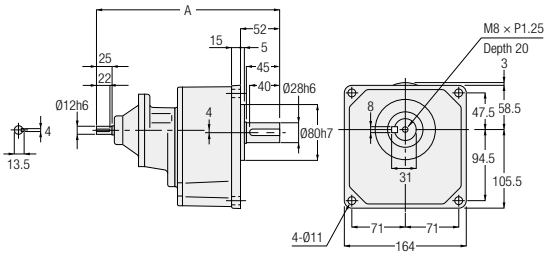


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F
0.1 kW	G3K-22-***-010	60, 80, 100, 120, 160, 200	2	4	207.5	25	22	Ø12h6	4	13.5
0.2 kW	G3K-22-***-020	30, 40, 50, 60, 80, 100	2	4	207.5	25	22	Ø12h6	4	13.5
0.4 kW	G3K-22-***-040	5, 10, 15, 20, 25	2	4.5	219	30	27	Ø15h6	5	17

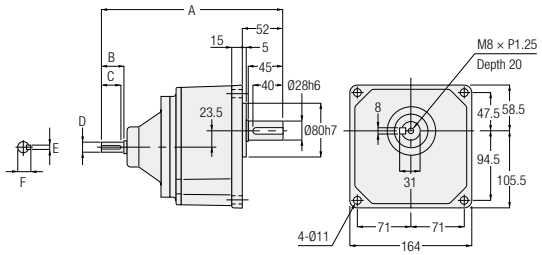
Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 168 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 28 | Small Flange Mounting

<Figure 1>



<Figure 2>

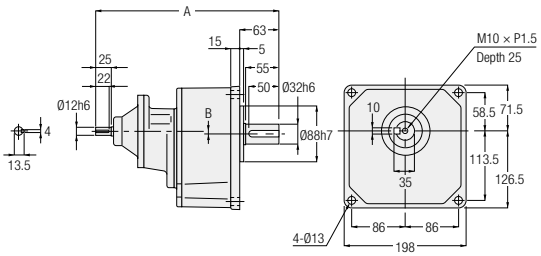


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F
0.1 kW	G3K-28-✱✱✱-010	300, 375, 450	1	7	276.5	-	-	-	-	-
0.2 kW	G3K-28-✱✱✱-020	100, 120, 160, 200	2	6	220.5	25	22	Ø12h6	4	13.5
0.4 kW	G3K-28-✱✱✱-040	30, 40, 50, 60, 80, 100	2	6.5	235	30	27	Ø15h6	5	17
0.75 kW	G3K-28-✱✱✱-075	5, 10, 15, 20, 25	2	6.5	244.5	35	32	Ø20h6	6	22.5

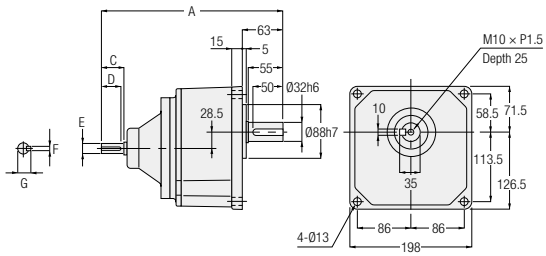
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 168 for the performance table.

G3 Type Parallel Shaft | Shaft Diameter 32 | Small Flange Mounting

<Figure 3>



<Figure 4>



Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F	G
0.1 kW	G3K-32-✱✱✱-010	600, 750, 900, 1200	3	10	295.5	-1	-	-	-	-	-
0.2 kW	G3K-32-✱✱✱-020	300, 375, 450	3	10	315.5	5.5	-	-	-	-	-
0.4 kW	G3K-32-✱✱✱-040	100, 120, 160, 200	4	9.5	254	-	30	27	Ø15h6	5	17
0.75 kW	G3K-32-✱✱✱-075	30, 40, 50, 60, 80, 100	4	10	273.5	-	35	32	Ø20h6	6	22.5
1.5 kW	G3K-32-✱✱✱-150	5, 10, 15, 20, 25	4	10.5	297	-	40	35	Ø25h6	8	28

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 168 for the performance table.

6. S-Type Reducers (Type That Can Be Equipped with Designated Motor)

6-1. Performance Table

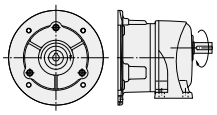
G3 Type S-Type Reducers (Type which Can be Equipped with Designated Motor)

[Notes]
- The motor power class value is the value when a 4 pole motor is used.
- When using an output shaft for a motor other than a 4 pole motor, the value obtained by multiplying the torque by the torque correction coefficient shown on page 570 shall be the allowable output shaft torque at the rotation.
- Allowable output shaft O.H.L. is the value at the middle of the output shaft.
- For the rotational direction of the output shaft, please refer to the figure shown below.
- The "*" mark indicates a limited torque type. Please make sure to check the allowable output shaft torque in the performance table.

■ Rotational Direction Relationship

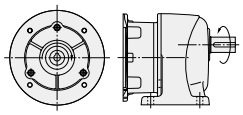
The rotational direction shown below with arrow illustrates the rotation relationship between the output shaft / input shaft and is no way illustrating limitations in rotational direction.

Power	Reduction Ratio
0.1 kW	1/5 to 1/50 and 1/300 to 1/1200
0.2 kW, 0.4 kW	1/5 to 1/30 and 1/300 to 1/1200
0.75 kW	1/5 to 1/30 and 1/300 to 1/450
1.5 kW, 2.2 kW	1/5 to 1/30



The input and output shafts rotate in the same direction.

Power	Reduction Ratio
0.1 kW	1/60 to 1/200
0.2 kW, 0.4 kW	1/40 to 1/200
0.75 kW, 1.5 kW	1/40 to 1/200
2.2 kW	1/40 to 1/100



The input and output shafts rotate in the opposite directions.

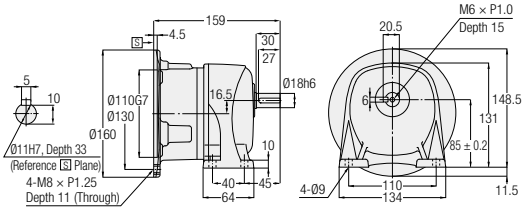
4 Poles Motor Power Class	Frame Size	Reduction Ratio	Actual Reduction Ratio	Allowable Output Shaft Torque N·m		Allowable Output Shaft O.H.L.	Drawings		
				50 Hz	60 Hz	N	Foot Mount	Flange Mount	Small Flange Mount
0.1 kW	18	1/5	33/164	3	2.5	770	P.180	P.185	P.188
		1/10	77/779	6.1	5	1140			
		1/15	119/1804	9.1	7.5	1270			
		1/20	49/984	12	9.8	1530			
		1/25	28/697	15	12.7	1650			
		1/30	35/1066	19	14.7	1780			
		1/40	35/1404	24	19.6	1910			
		1/50	7/351	29	24.5	2040			
	22	1/60	11/684	35	29.4	2800	P.180	P.185	P.189
		1/80	21/1634	47	39.2	3180			
		1/100	7/684	59	49	3180			
		1/120	147/17974	71	58.8	3180			
		1/160	21/3268	94	78.4	3180			
		1/200	21/4085	117	98	3180			
	28	1/300	221/65190	157	130	3430	P.181	P.186	P.190
		1/375	187/68370	196	163	3430			
		1/450	1183/521520	235	196	3430			
	32	1/600	147/88192	313	261	5880	P.182	P.187	P.191
		1/750	49/36464	391	326	5880			
		* 1/900	62/57063	431	391	5880			
		* 1/1200	46/55195	431	431	5880			
0.2 kW	18	1/5	33/164	6.1	5	770	P.180	P.185	P.188
		1/10	77/779	11.8	9.8	1140			
		1/15	119/1804	18.6	14.7	1270			
		1/20	49/984	24.5	20.6	1450			
		1/25	28/697	30.4	25.5	1550			
	22	1/30	7/216	36.3	30.4	2280	P.180	P.185	P.189
		1/40	91/3600	47	39.2	2410			
		1/50	11/540	58.8	49	2540			
		1/60	637/39600	70.6	58.8	2800			
		1/80	91/7200	94.1	78.4	3000			
		* 1/100	11/1080	97	80.4	3180			
	28	1/100	13/1353	117	98	3690	P.181	P.186	P.190
		1/120	91/11000	140	117	4320			
		1/160	1/165	187	156	4450			
		1/200	7/1375	234	195	4450			
	32	1/300	91/27348	313	261	5880	P.182	P.187	P.191
		1/375	77/28620	391	326	5880			
		1/450	91/41022	431	391	5880			
	40	1/600	9/5300	626	521	7060	P.183	P.187	-
		* 1/750	62/46427	764	653	7060			
		* 1/900	23/21259	764	764	7060			
		* 1/1200	9/10600	764	764	7060			

4 Poles Motor Power Class	Frame Size	Reduction Ratio	Actual Reduction Ratio	Allowable Output Shaft Torque N·m		Allowable Output Shaft O.H.L.	Drawings		
				50 Hz	60 Hz	N	Foot Mount	Flange Mount	Small Flange Mount
0.4 kW	22	1/5	7/34	12	10	1140	P.180	P.185	P.189
		1/10	7/68	25	21	1530			
		1/15	49/748	36	30	1780			
		1/20	7/136	48	40	1910			
		1/25	7/170	61	50	2050			
	28	1/30	1/30	73	61	3310	P.181	P.186	P.190
		1/40	221/8610	94	78	3690			
		1/50	187/9030	117	98	4080			
		1/60	169/9840	140	117	4450			
		1/80	65/5166	187	156	4450			
		* 1/100	55/5418	193	161	4450			
	32	1/100	7/688	234	195	6370	P.182	P.187	P.191
		1/120	77/9360	281	234	7640			
		1/160	21/3328	374	313	7640			
		1/200	189/38272	431	390	7640			
	40	1/300	7/2160	626	521	7060	P.183	P.187	-
		* 1/375	77/29328	764	653	7060			
		* 1/450	49/21600	764	764	7060			
	50	* 1/600	57/35360	1225	1044	9800	P.184	P.188	-
		* 1/750	25/19448	1225	1225	9800			
		* 1/900	5/4338	1225	1225	9800			
		* 1/1200	33/40664	1225	1225	9800			
0.75 kW	28	1/5	91/459	23	19	1650	P.181	P.186	P.190
		1/10	1/10	45	38	2280			
		1/15	91/1360	68	57	2800			
		1/20	5/102	91	75	3050			
		1/25	7/170	114	94	3180			
	32	1/30	3/92	136	114	5220	P.182	P.187	P.191
		1/40	13/516	175	146	5470			
		1/50	11/540	220	183	5780			
		1/60	13/774	264	220	6080			
		1/80	13/1032	351	293	6180			
		* 1/100	11/1080	362	302	6770			
	40	1/100	91/9000	439	366	9170	P.183	P.187	-
		1/120	77/9400	527	439	9170			
		1/160	9/1400	703	585	9170			
		1/200	9/1750	764	732	9170			
	50	1/300	211/62013	1176	978	9800	P.184	P.188	-
		* 1/375	94/36103	1225	1225	9800			
		* 1/450	65/29167	1225	1225	9800			
1.5 kW	32	1/5	1/5	45	38	2280	P.182	P.187	P.191
		1/10	1/10	91	75	3180			
		1/15	1/15	136	114	3690			
		1/20	1/20	181	151	4190			
		1/25	9/230	226	189	4410			
	40	1/30	1/30	272	226	6600	P.183	P.187	-
		1/40	13/540	351	293	6960			
		1/50	11/564	439	366	6960			
		1/60	91/5400	527	439	7210			
		1/80	13/1080	703	585	7400			
		* 1/100	11/1128	724	603	7400			
	50	1/100	25/2618	878	732	12500	P.184	P.188	-
		1/120	77/8993	1060	878	12500			
		* 1/160	33/5474	1230	1170	12500			
		* 1/200	30/5831	1230	1230	12500			
2.2 kW	40	1/5	7/36	67	56	2800	P.183	P.187	-
		1/10	7/72	133	111	4080			
		1/15	49/720	200	167	4580			
		1/20	7/144	266	221	5220			
		1/25	7/180	332	277	6110			
	50	1/30	5/154	399	332	9040	P.184	P.188	-
		1/40	399/15488	515	429	9420			
		1/50	399/20240	644	537	10000			
		1/60	49/2904	773	644	10000			
		1/80	49/3795	1029	858	10100			
		* 1/100	21/2116	1230	1080	10100			

6-2. Drawings

G3 Type Parallel Shaft | Shaft Diameter 18 | Foot Mounting

<Figure 1>

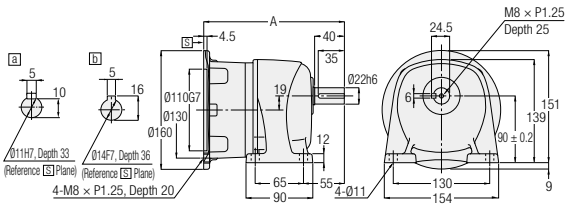


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)
0.1 kW	G3LS-18-***-010	5, 10, 15, 20, 25, 30, 40, 50	1	3.5
0.2 kW	G3LS-18-***-020	5, 10, 15, 20, 25	1	3.5

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 178 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter 22 | Foot Mounting

<Figure 2>

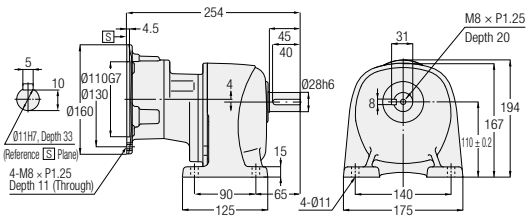


Power Class	Part Number	Reduction Ratio	Input Shaft	Figure Number	Approx. Weight (kg)	A	B
0.1 kW	G3LS-22-***-010	60, 80, 100, 120, 160, 200	a	2	4.5	185	11 (Through)
0.2 kW	G3LS-22-***-020	30, 40, 50, 60, 80, 100	a	2	4.5	185	11 (Through)
0.4 kW	G3LS-22-***-040	5, 10, 15, 20, 25	b	2	5	189.5	20

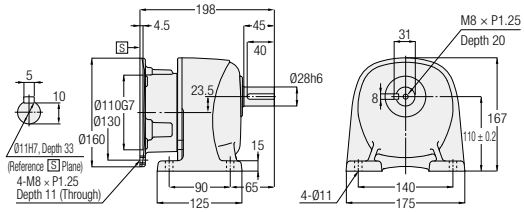
Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 178 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter **28** | **Foot** Mounting

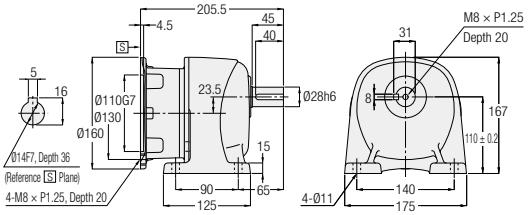
<Figure 1>



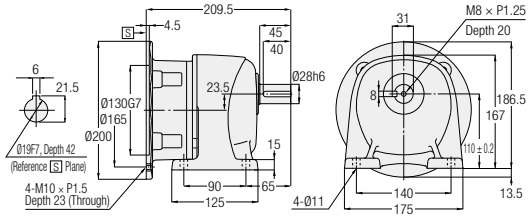
<Figure 2>



<Figure 3>



<Figure 4>

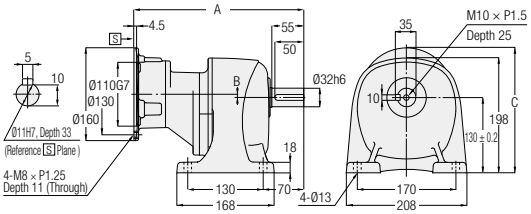


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)
0.1 kW	G3LS-28-***-010	300, 375, 450	1	7.5
0.2 kW	G3LS-28-***-020	100, 120, 160, 200	2	6.5
0.4 kW	G3LS-28-***-040	30, 40, 50, 60, 80, 100	3	7
0.75 kW	G3LS-28-***-075	5, 10, 15, 20, 25	4	6.5

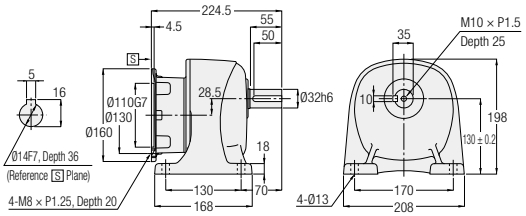
Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 178 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter 32 | Foot Mounting

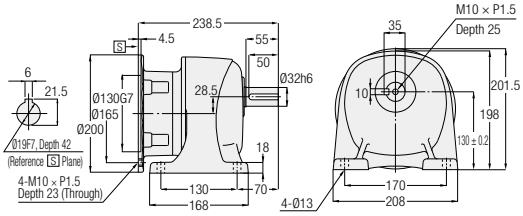
<Figure 1>



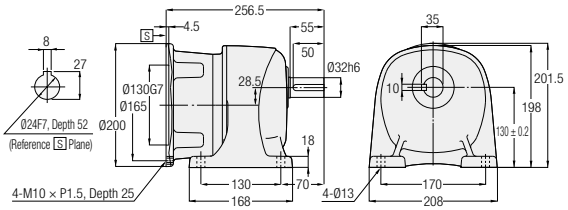
<Figure 2>



<Figure 3>



<Figure 4>

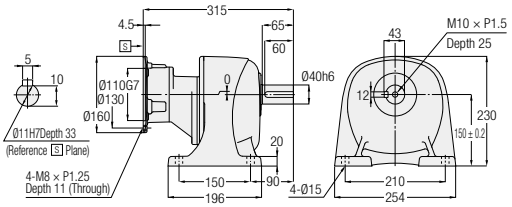


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C
0.1 kW	G3LS-32-✱✱✱-010	600, 750, 900, 1200	1	10.5	273	-1	209
0.2 kW	G3LS-32-✱✱✱-020	300, 375, 450	1	10.5	293	5.5	215.5
0.4 kW	G3LS-32-✱✱✱-040	100, 120, 160, 200	2	10	-	-	-
0.75 kW	G3LS-32-✱✱✱-075	30, 40, 50, 60, 80, 100	3	10	-	-	-
1.5 kW	G3LS-32-✱✱✱-150	5, 10, 15, 20, 25	4	11.5	-	-	-

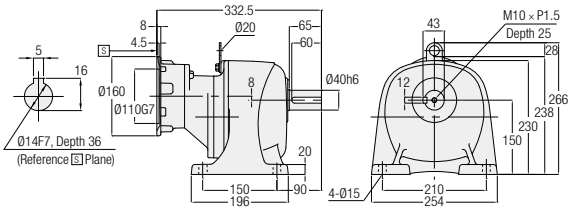
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 178 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter **40** | **Foot** Mounting

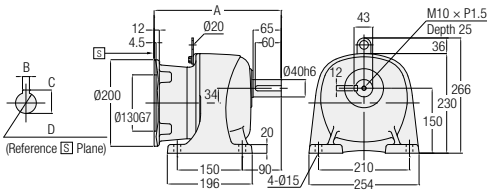
<Figure 1>



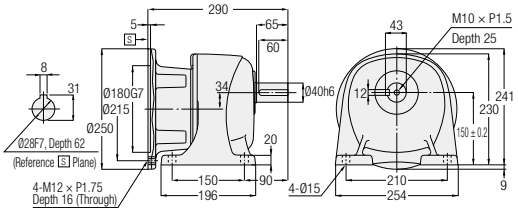
<Figure 2>



<Figure 3>



<Figure 4>



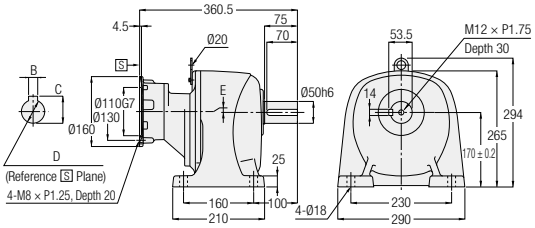
Note: Gearmotors with a motor power of 0.75 kW does not include the hanging plate.

Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D
0.2 kW	G3LS-40-✱✱✱-020	600, 750, 900, 1200	1	17	-	-	-	-
0.4 kW	G3LS-40-✱✱✱-040	300, 375, 450	2	18.5	-	-	-	-
0.75 kW	G3LS-40-✱✱✱-075	100, 120, 160, 200	3	16.5	260.5	6	21.5	Ø19F7, Depth 42
1.5 kW	G3LS-40-✱✱✱-150	30, 40, 50, 60, 80, 100	3	18.5	293.5	8	27	Ø24F7, Depth 52
2.2 kW	G3LS-40-✱✱✱-220	5, 10, 15, 20, 25	4	18	-	-	-	-

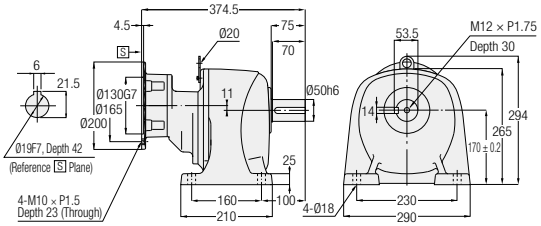
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 178 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter 50 | Foot Mounting

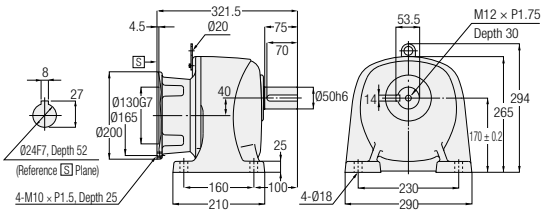
<Figure 1>



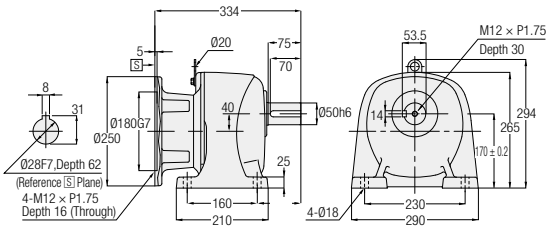
<Figure 2>



<Figure 3>



<Figure 4>

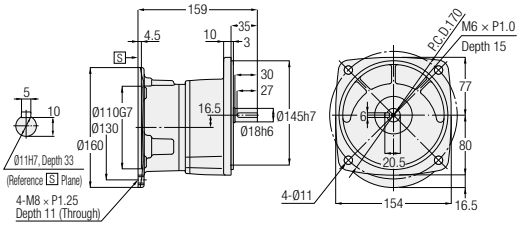


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)
0.4 kW	G3LS-50-***-040	600, 750, 900, 1200	1	48
0.75 kW	G3LS-50-***-075	300, 375, 450	2	48
1.5 kW	G3LS-50-***-150	100, 120, 160, 200	3	48
2.2 kW	G3LS-50-***-220	30, 40, 50, 60, 80, 100	4	48

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 179 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter 18 | Flange Mounting

<Figure 1>

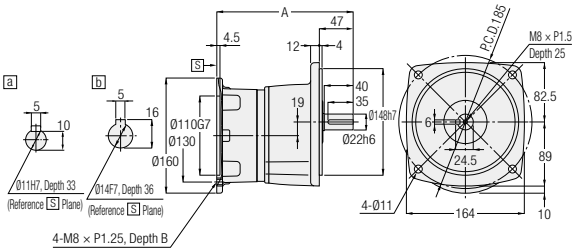


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)
0.1 kW	G3FS-18-***-010	5, 10, 15, 20, 25, 30, 40, 50	1	4
0.2 kW	G3FS-18-***-020	5, 10, 15, 20, 25	1	4

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 178 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter 22 | Flange Mounting

<Figure 2>

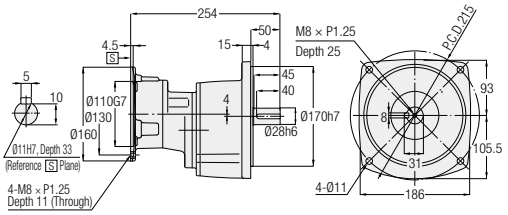


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	Input Shaft	A	B
0.1 kW	G3FS-22-***-010	60, 80, 100, 120, 160, 200	2	5	a	185	11 (Through)
0.2 kW	G3FS-22-***-020	30, 40, 50, 60, 80, 100	2	5	a	185	11 (Through)
0.4 kW	G3FS-22-***-040	5, 10, 15, 20, 25	2	5.5	b	189.5	20

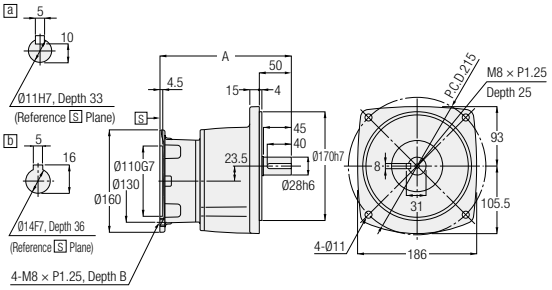
Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 178 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter 28 | Flange Mounting

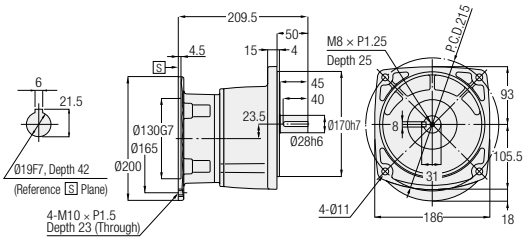
<Figure 1>



<Figure 2>



<Figure 3>

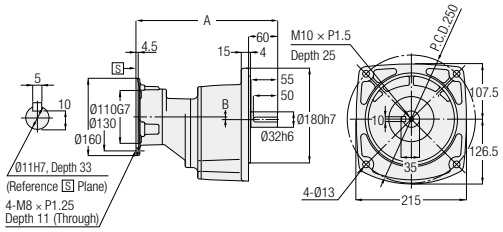


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	Input Shaft	A	B
0.1 kW	G3FS-28-✱✱✱-010	300, 375, 450	1	8	-	-	-
0.2 kW	G3FS-28-✱✱✱-020	100, 120, 160, 200	2	7	a	198	11 (Through)
0.4 kW	G3FS-28-✱✱✱-040	30, 40, 50, 60, 80, 100	2	7.5	b	205.5	20
0.75 kW	G3FS-28-✱✱✱-075	5, 10, 15, 20, 25	3	7	-	-	-

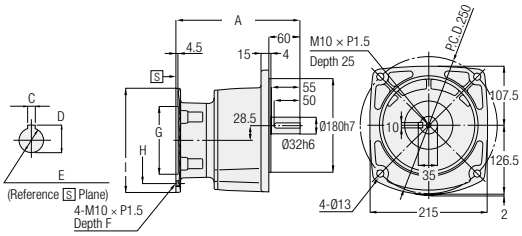
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 178 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter 32 | Flange Mounting

<Figure 1>



<Figure 2>

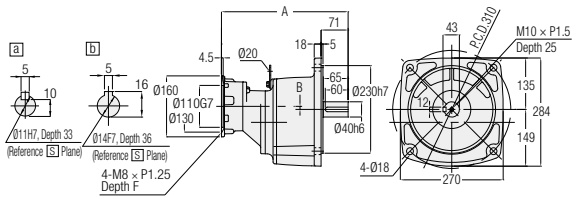


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F	G	H	I
0.1 kW	G3FS-32-✻✻✻-010	600, 750, 900, 1200	1	11	273	-1	-	-	-	-	-	-	-
0.2 kW	G3FS-32-✻✻✻-020	300, 375, 450	1	11	293	5.5	-	-	-	-	-	-	-
0.4 kW	G3FS-32-✻✻✻-040	100, 120, 160, 200	2	10.5	224.5	-	5	16	Ø14F7, Depth 36	20	Ø110G7	Ø130	Ø160
0.75 kW	G3FS-32-✻✻✻-075	30, 40, 50, 60, 80, 100	2	10.5	238.5	-	6	21.5	Ø19F7, Depth 42	23 (Through)	Ø130G7	Ø165	Ø200
1.5 kW	G3FS-32-✻✻✻-150	5, 10, 15, 20, 25	2	11	256.5	-	8	27	Ø24F7, Depth 52	25	Ø130G7	Ø165	Ø200

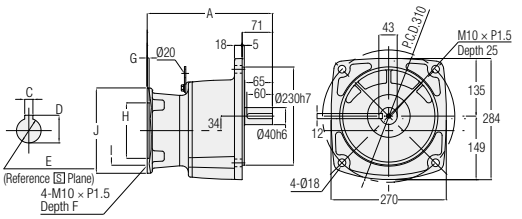
Note: A reduction ratio will be indicated as ✻✻✻ in the nomenclature.
Note: Please refer to page 178 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter 40 | Flange Mounting

<Figure 3>



<Figure 4>



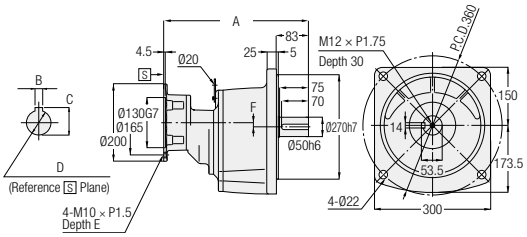
Note: Gearmotors with a motor power of 0.2 kW or 0.75 kW does not include the hanging plate.

Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	Input Shaft	A	B	C	D	E	F	G	H	I	J
0.2 kW	G3FS-40-✻✻✻-020	600, 750, 900, 1200	3	18.5	a	315	0	-	-	-	11 (Through)	-	-	-	-
0.4 kW	G3FS-40-✻✻✻-040	300, 375, 450	3	20	b	332.5	8	20	-	-	-	-	-	-	-
0.75 kW	G3FS-40-✻✻✻-075	100, 120, 160, 200	4	18	-	260.5	-	6	21.5	Ø19F7, Depth 42	23 (Through)	4.5	Ø130G7	Ø165	Ø200
1.5 kW	G3FS-40-✻✻✻-150	30, 40, 50, 60, 80, 100	4	20	-	293.5	-	8	27	Ø24F7, Depth 52	25	4.5	Ø130G7	Ø165	Ø200
2.2 kW	G3FS-40-✻✻✻-220	5, 10, 15, 20, 25	4	19.5	-	290	-	8	31	Ø28F7, Depth 62	16 (Through)	5	Ø130G7	Ø215	Ø250

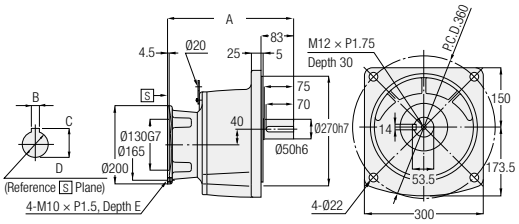
Note: A reduction ratio will be indicated as ✻✻✻ in the nomenclature.
Note: Please refer to page 178 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter 50 | Flange Mounting

<Figure 1>



<Figure 2>

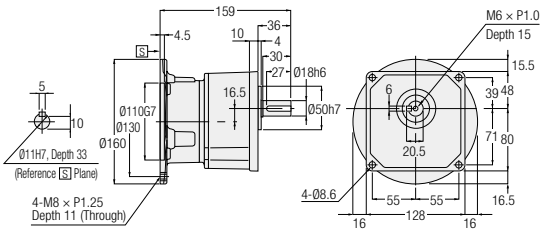


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F
0.4 kW	G3FS-50-✱✱✱-040	600, 750, 900, 1200	1	53	360.5	5	16	Ø14F7, Depth 36	20	2
0.75 kW	G3FS-50-✱✱✱-075	300, 375, 450	1	53	374.5	6	21.5	Ø19F7, Depth 42	23 (Through)	11
1.5 kW	G3FS-50-✱✱✱-150	100, 120, 160, 200	2	53	321.5	8	27	Ø24F7, Depth 52	25	-
2.2 kW	G3FS-50-✱✱✱-220	30, 40, 50, 60, 80, 100	2	53	334	8	31	Ø28F7, Depth 62	16 (Through)	-

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 179 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter 18 | Small Flange Mounting

<Figure 3>

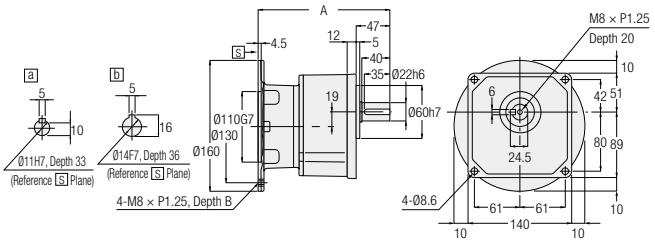


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)
0.1 kW	G3KS-18-✱✱✱-010	5, 10, 15, 20, 25, 30, 40, 50	3	4
0.2 kW	G3KS-18-✱✱✱-020	5, 10, 15, 20, 25	3	4

Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 178 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter **22** | **Small Flange** Mounting

<Figure 1>

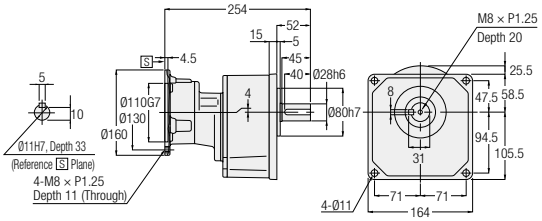


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	Input Shaft	A	B
0.1 kW	G3KS-22-✱✱✱-010	60, 80, 100, 120, 160, 200	1	5	a	185	11 (Through)
0.2 kW	G3KS-22-✱✱✱-020	30, 40, 50, 60, 80, 100	1	5	a	185	11 (Through)
0.4 kW	G3KS-22-✱✱✱-040	5, 10, 15, 20, 25	1	5.5	b	189.5	20

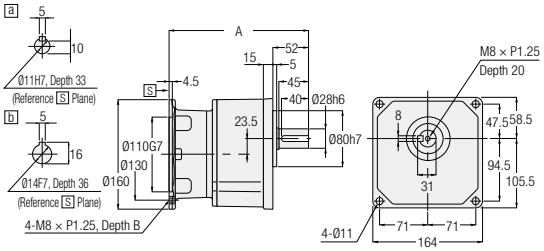
Note: A reduction ratio will be indicated as ✱✱✱ in the nomenclature.
Note: Please refer to page 178 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter 28 | Small Flange Mounting

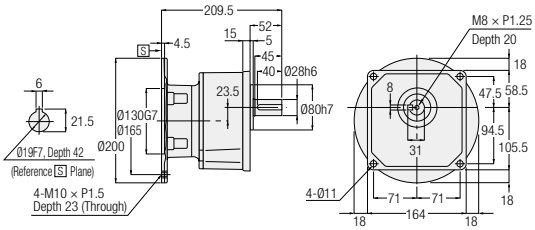
<Figure 1>



<Figure 2>



<Figure 3>

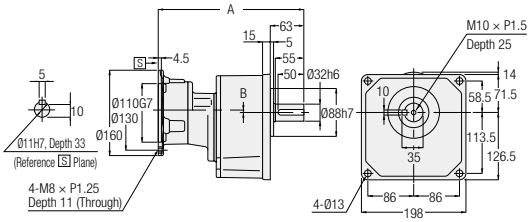


Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	Input Shaft	A	B
0.1 kW	G3KS-28-***-010	300, 375, 450	1	8	-	-	-
0.2 kW	G3KS-28-***-020	100, 120, 160, 200	2	7	a	198	11 (Through)
0.4 kW	G3KS-28-***-040	30, 40, 50, 60, 80, 100	2	7.5	b	205.5	20
0.75 kW	G3KS-28-***-075	5, 10, 15, 20, 25	3	7	-	-	-

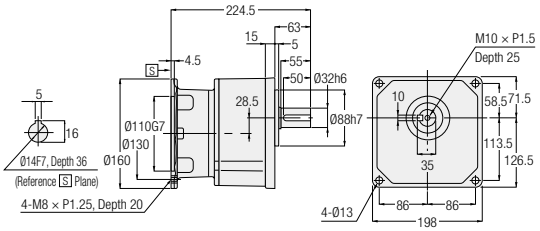
Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 178 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

G3 Type Parallel Shaft | Shaft Diameter **32** | **Small Flange** Mounting

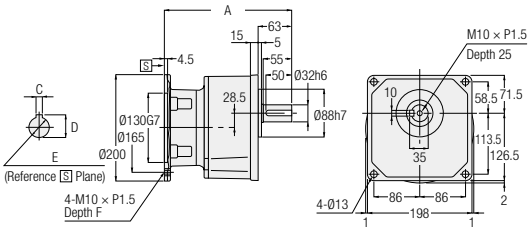
<Figure 1>



<Figure 2>



<Figure 3>



Power Class	Part Number	Reduction Ratio	Figure Number	Approx. Weight (kg)	A	B	C	D	E	F
0.1 kW	G3KS-32-***-010	600, 750, 900, 1200	1	11	273	-1	-	-	-	-
0.2 kW	G3KS-32-***-020	300, 375, 450	1	11	293	5.5	-	-	-	-
0.4 kW	G3KS-32-***-040	100, 120, 160, 200	2	10.5	-	-	-	-	-	-
0.75 kW	G3KS-32-***-075	30, 40, 50, 60, 80, 100	3	10.5	238.5	-	6	21.5	Ø19F7, Depth 42	23 (Through)
1.5 kW	G3KS-32-***-150	5, 10, 15, 20, 25	3	12	256.5	-	8	27	Ø24F7, Depth 52	25

Note: A reduction ratio will be indicated as *** in the nomenclature.
Note: Please refer to page 178 for the performance table.
Note: Please refer to page 572 for the details of the motor mounting area.

MEMO