



Sesame Motor Corp., A leading brand in gear technology.

PRECISION GEAR MOTOR

V-CASING & FOOT-MOUNT TYPES



100%
Made in Taiwan

www.sesamemotor.com





Company Profile

Sesame Motor Corp., as a leading brand in Motor and gear reducer technology. "SESAME MOTOR CORP." Founded in 1990, have more than 25 years of professional motor and gearbox manufacturing and sales experience. SESAME MOTOR's 7000 square meters factory locates at Sheng Kang. Adding modern workshop facilities with the effective integration of ERP systems, purchase new processing and testing equipment; as we continuously enhance key parts' productivity we had not only expending overall productivity, shorten delivery, and ensure products' quality to achieve customer satisfaction. SESAME MOTOR products have received unanimous praise.



Quality Policy :

- "Honesty" , to provide integrity and pragmatic services
- "Creativity" to create customer competitive advantage
- "Positivity" , positive support and responsibility
- "Innovation" , moving forward of technical innovation

Environmental Policy :

- Full participation to comply with eco-regulation
- Prevent pollution; save energy and reduce waste
- Keep improving and propagating Green Concept



SESAME



世協電機股份有限公司
SESAME MOTOR CORP.

Company Profile

"SESAME MOTOR" is built base on spirit of "customer satisfaction, priority service" philosophy, providing three privileges "best quality, fastest delivery, and best sale service". Our products have obtained high market share in Taiwan, that had lead "SESAME MOTOR" be a well-known brand. In addition to our official branch in Shanghai, we have agents in the United States, Germany, Denmark, Poland, UK, Turkey, Russia, Korea, Japan, China, Thailand, Malaysia and India.

"SESAME MOTOR" also has a professional R & D team and experienced production-related sectors; can provide high accuracy products for different customer needs; high-quality gear and the surrounding transmission components, develop and produce other kinds of gear; customized motor products, products with detailed-oriented, high precision, low noise, high efficiency, and good quality properties. Product development are aiming three directions "science and technology, environmental protection, and innovation". Product will be used in tool machines, industrial robots, semiconductor devices, aircraft industrial, medical and rehabilitation equipment, electric scooter, electric bike, auto storage devices, green energy-related industries, testing and food machinery, bakery equipment, packaging machinery, agricultural equipment and other sophisticated automation equipment.





Company Profile

"SESAME MOTOR" has been successively obtained CE,CCC,UL, ISO9001 and ISO14001 certification and honorary awards. As we continuously, progressively for created finest quality products; with "Honesty" for providing integrity and pragmatic service; with "Creativity" given customer "Positivity" to support & responsible for the efficiency of productivity; with "Innovation" on profession and knowledge of knowhow, by these four philosophy management, we aims to become the first market trend indicators. "SESAME MOTOR" strong operating team adhere to the blue ocean strategy of entering the international market and high-tech field, to create the future more professional, better quality of sustainable management systems, establishment of "a combination of leading technology and brand reputation" for competitive advantage.



Trade Mark & Certification



CE Certification



UL Certification



ISO 9001:2015



ISO 14001:2015



China Compulsory Certification (CCC)



Planetary Gearhead PHL Series China SIPO Patent



Registration Number : 8580921716



Registration Number : 38E08580



Cert.No.E209009



The United States, Canada, European Union, China, Taiwan, Japan, Korea, Iran, The Philippines, Vietnam, Indonesia, Malaysia, Singapore ...etc. trade mark certifications.



Corporate Environment



PRECISION GEAR MOTOR





SESAME

Production Line



Servo Gearheads Production Line



Induction Motor and Speed Reducer
Production Line



Precision Gear Motor Production Line

Applications

Applications of Servo Gearhead

Machine Tools

Metal Cutting Machines, Machining Centers, CNC Drilling Machines, Lathes and Turning Machines, Milling and Boring Machines, Grinding Machines, Drilling Machines, Planning Machines, Metal Forming Machine Tools, Presses, Tube and Wire Processing Machines.

Industry Machinery

Packaging Machinery, Food and Beverage Processing Machinery, Bakery Equipment, Agricultural Machinery, Textile Machinery, Shoemaking Machinery, Wood Working Machinery, Printing Machinery, Plastic processing Machinery, Laser Cutting and Welding Machines.

Automation Equipment

Industrial Robots, Semiconductor Devices, Automatic Storage System, Surface Treatment Equipments.

Aerospace Industry

Medical and Rehabilitation Equipment

Electric Scooter

Green Energy-Related Industries

Testing Devices

Automation and Precise Positioning Equipment with Servo Motors

Motor and Reducer

- Machine Tool Accessories • Cutting Equipment • Bar Feeder
- Gilding Machine • Conveyor Equipment • Food Machine
- Screen Printing • Agricultural Machinery • Medical Equipment

Gear Motor and Reducer

- Machine Tool Accessories • Cutting Equipment • Bar Feeder
- Gilding Machine • Conveyor Equipment • Food Machine
- Screen Printing • Agricultural Machinery • Medical Equipment





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SESAME



V-CASING TYPE

- 21 V-casing Type Precision Gear Motor For ATC
- 23 V-casing Type , 100W ~ 400W
- 31 V-casing Type , 750W ~ 2200W

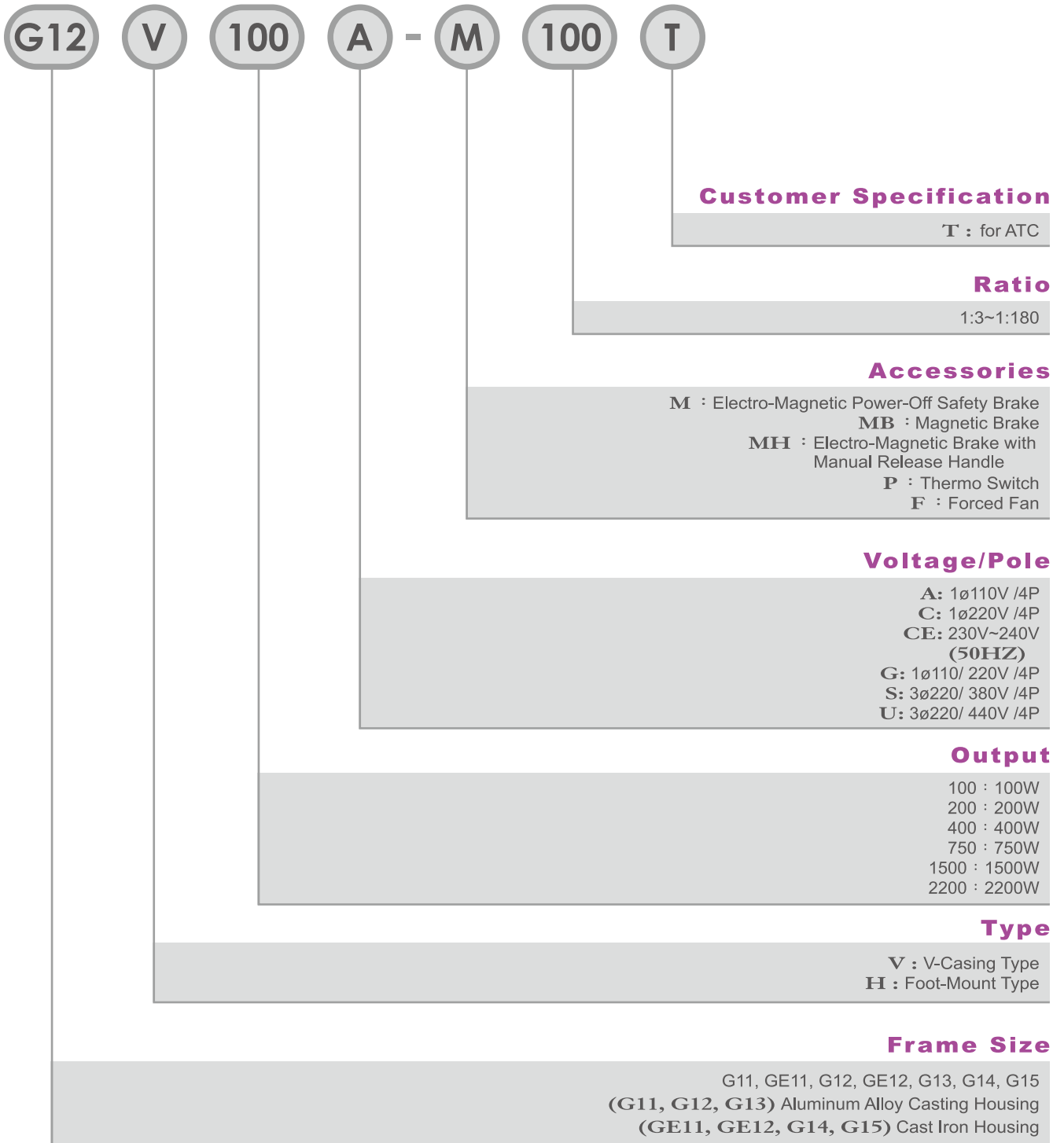


FOOT-MOUNT TYPE

- 38 Foot-mount Type , 100W ~ 400W
- 46 Foot-mount Type , 750W ~ 2200W

PRODUCT NAME CODING SYSTEM

PRECISION GEAR MOTOR



Products due to human error, natural disasters or other factors lead to poor or damaged, will not be covered under warranty.

AMPERE TABLE

KW	Full Load Current (Amp)						Full Load Revolutions (rpm)	
	3 Phase				1 Phase			
	220V		380V		110V	220V	50HZ	60HZ
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ		
100W	0.66	0.58	0.35	0.32	1.41	0.79	1400	1700
200W	1.28	1.29	0.72	0.66	2.59	1.42	1400	1700
400W	2.28	1.87	1.32	1.09	5.36	2.79	1400	1700
750W	3.2	2.98	1.9	1.71	10.35	5.18	1400	1700
1500W	5.9	5.6	3.4	3.2	-	-	1400	1700
2200W	8.88	8.09	5.09	4.71	-	-	1400	1700

Precision Gear Motor Operation Manual

1.Attention

1.1 Install Preparation

- Please read this operation manual before using this gear motor. Any problem caused by inappropriate operation contrary with the manual, or damage caused by natural disasters, or restructure without our permission, Sesame will not hold any responsibility nor will the gear motor be covered by warranty.
- Warranty is within one year after purchase. Within warranty period, if the gear motor damage is not caused by operation error nor by natural disaster, then please send back the gear motor, we should replace the damage spare part at free of charge.
- Please ensure correct power voltage supply before installaton.
- Do not bend the lead wires.
- Gear motor should be installed by trained technicians only.
- Please ground the gear motor according to the manual to prevent fire or electrical shock.
- Do not attempt to disassemble or modify gear motor.

1.2 Installation Conditions

The conditions below must be fulfilled to avoid any damage caused on the gear motor :

- The gear motor was designed to be installed on the other facilities or applications.
- Do not expose the gear motor to flammable or corrosive gas.
- Indoor applications only. Room temperature should be maintained between -10 ~ 50°C (-10~40°C for gear motor with capacitor).
- The air humidity should not exceed 85%.
- The altitude of where the gear motor was installed should not exceed 1000 m above the sea level.
- Do not expose the gear motor to the sunshine directly. Dust and spray of oil/water is also forbidden.
- Avoid any continuous vibration or impact on the gear motor.
- Ensure the gear motor was installed at a well ventilated location.

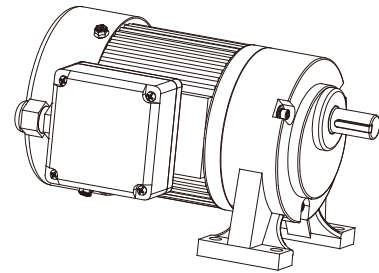
1.3 Preparation of Start up

- Please check the power supply before starting the gear motor.
- High temperature might cause the coil and bearing failed earlier.
- Do not connect the gear motor with inverter.
- Confirm the specification of capacitor before installation.
- The gear motor might burn out if wrong wiring or overloaded.

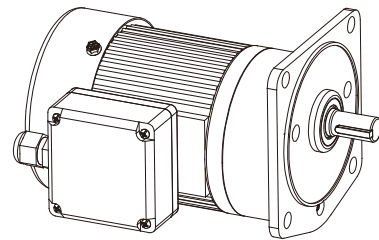
2.Loading Installation Method

The output shaft surface was precisely ground with a key, thus a keyway is necessary in the bore of the machine rotating element when mounting gear motor.

<Foot-Mount Type>



<V-Casing Type>



Attention

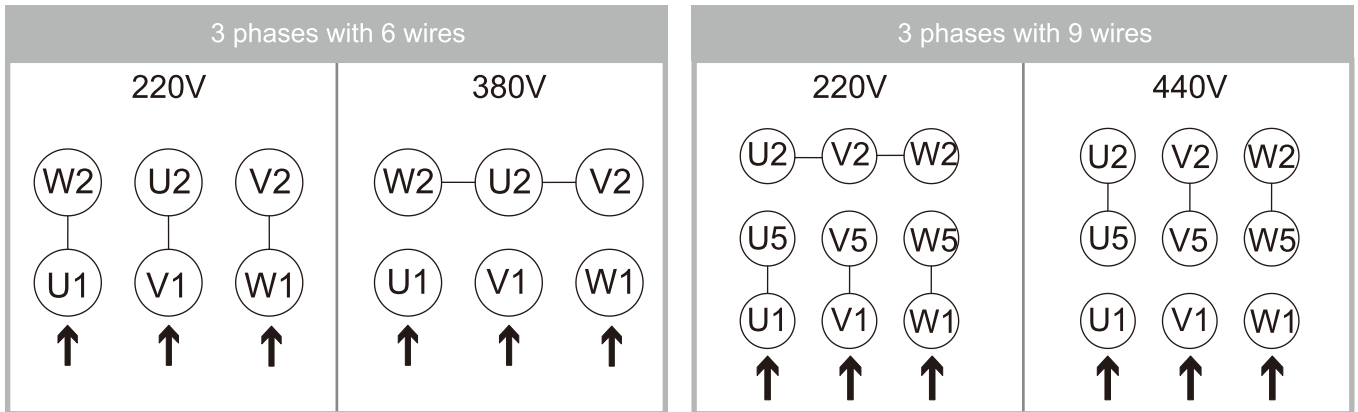
- Do not knock the gear motor by any tool during installation.
- When using our gear motor to work with other machine elements, please confirm whether they meet the specs., regulations or restrictions required by the user.
- Please confirm whether the system, machinery or device currently in use is suitable for our products.
- Customer need to recheck our product is suitable for their current system or machinery usage.
- If customer is neglecting for rechecking, then Sesame is not responsible for any cause there might occur.
- The product must always be switched off before any work is performed on it (assembly, dismantling, maintenance, installation). The product must be disconnected from the electrical system and secured against being switched on again. All rotating parts must have come to a stop.
- Incorrectly performed electrical work can result in fatal injury! This work may only be carried out by a qualified electrician.
- The housing parts can heat up to well above 40°C. There is a danger of burns. After switching off, let the product cool down to ambient temperature.

3. Wiring Diagrams

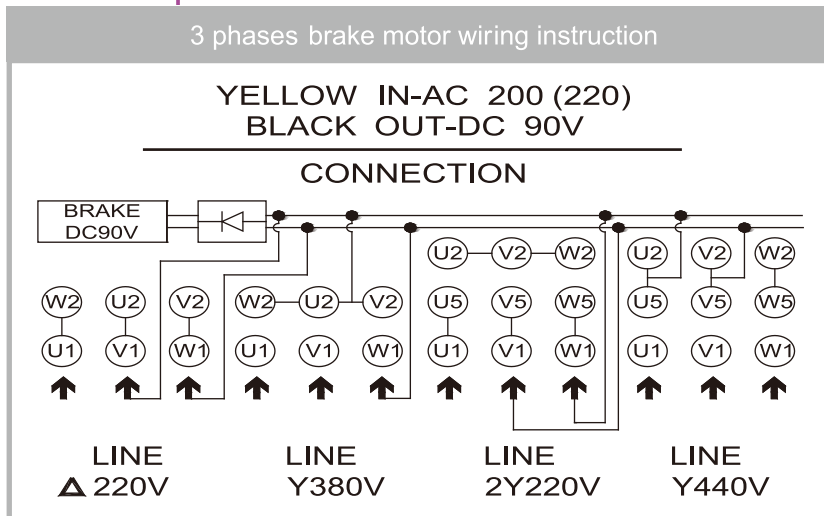
- Visual direction for gear motor running direction is from gear motor's output shaft. Forward direction is clockwise, counterclockwise direction for reversal.

3.1 Three phases motor

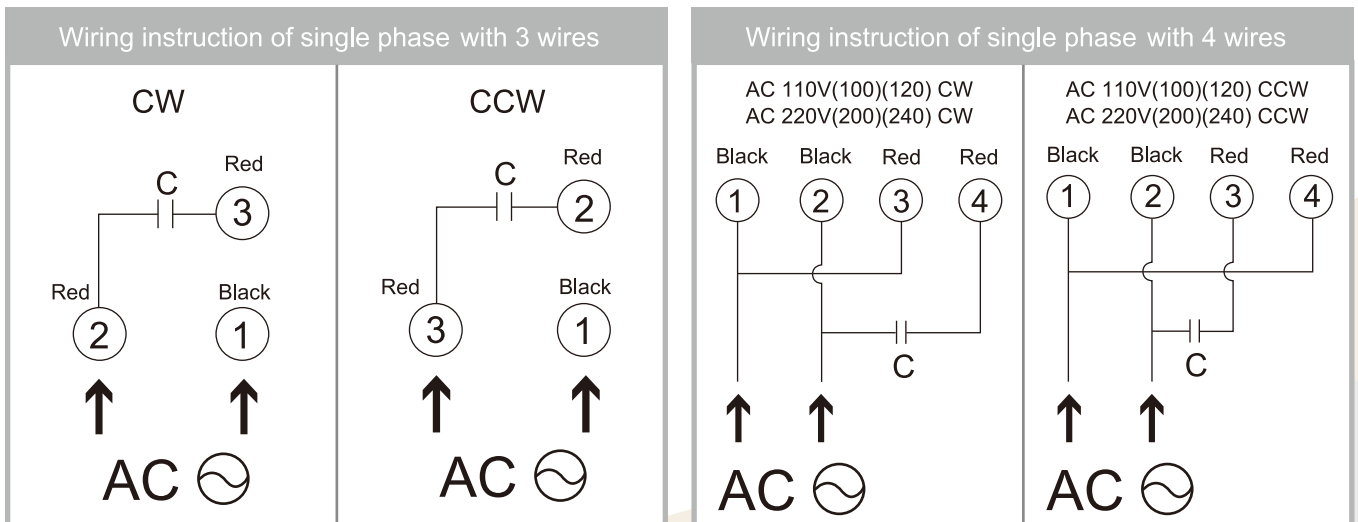
- Please wire the power supply according to the incoming voltage as shown below. Whenever the rotating direction needs to be reversed, switch any two wires of the incoming power cable.
- Please check if the wiring is correct after installation, ensure there is no missing phase, or phase voltage unbalance.



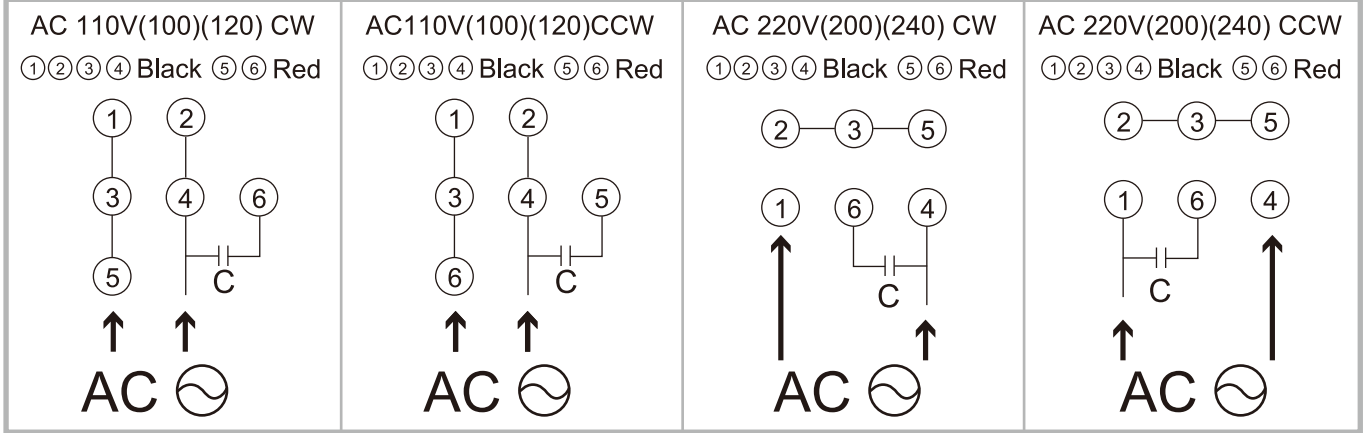
3.2 Three phases motor with brake



3.3 Single phase motor



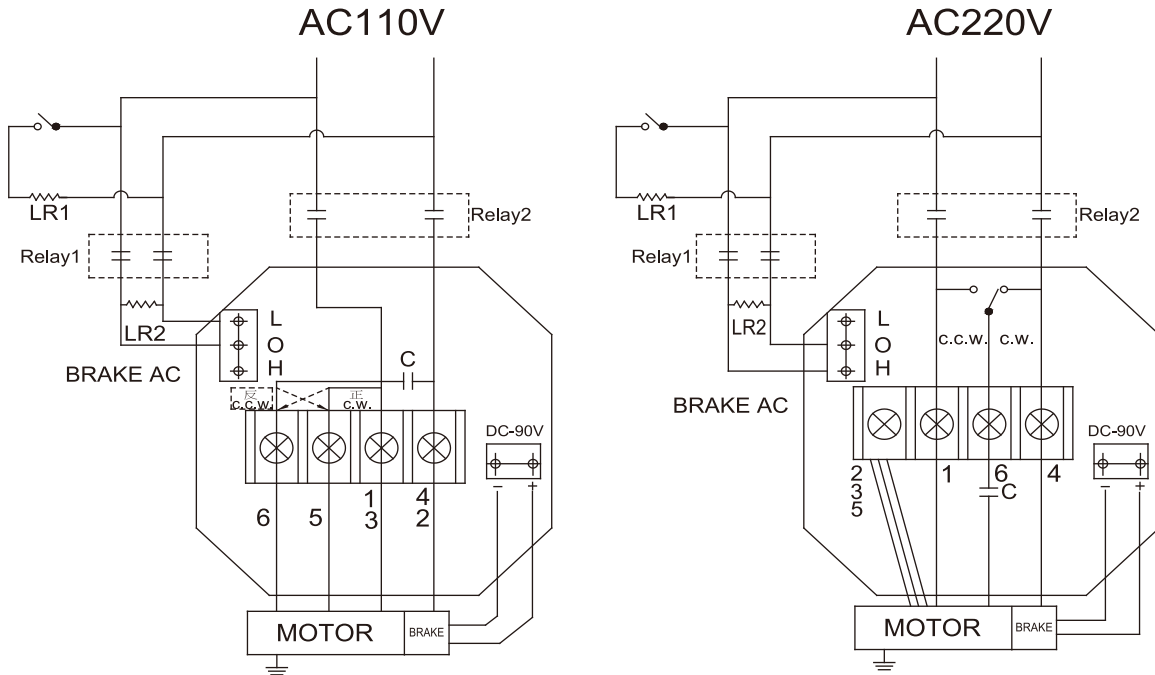
Wiring instruction of single phase with 6 wires



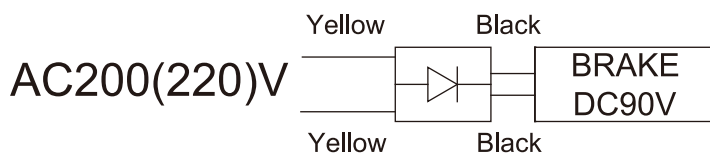
3.4 Single phase motor with brake

Single Phase Brake Motor Wiring Instruction

● Brake control panel wiring diagram without internal relay



● Brake control panel wiring diagram with internal relay



4. Installation of the Capacitor (for single phase motor only)

- Ensure the capacitor matches the specification of the motor before installation.
- Install the capacitor with M5 screws (not included).
- Capacitor should be installed inside the electrical box or IP54 rated box to avoid electric shock.

Attention

- ▶ Install capacitor at least 10 cm away from motor to prevent heat damage to capacitor.

5. Electro Magnetic Brake Operate Precautions

- The Lining clearance will bigger than 0.3~0.35mm after a period of usage, please contact us to replace the lining.
- Isolating wiring is required when frequent braking condition.
- Brake frequency limit 10 times per minute.

6. Thermally Protected Motor Precautions

- Single phase thermally protected motor will restart automatically when motor temperature falls below a certain level. Always turn off the power before conducting checks or performing work on the motor.
- Thermal switch of three phases motor is installed with two red wires. Please connect two red wires to control system. Thermally protected motor will restart automatically when motor temperature falls below a certain level. Always turn off the power before conducting checks or performing work on the motor.

7. Trouble Shooting Guides

Please check the motor according to procedures below, if abnormal situation were found such as:

- The motor does not work or the speed cannot be raised
 - Check if the power supply fits the motor specification?
 - Confirm if the power supply is correctly connected?
 - Confirm if the motor is overloaded?
 - Confirm if the wires are well connected with the terminal block?
 - Confirm if the capacitor is well installed?
- The motor is over heated
 - Check if the power supply fits the motor specification?
 - Check if the temperature of the environment is under 40°C?
 - Confirm if the capacitor specification is correct?
- Noise
 - Check if the motor was blocked?
 - Check if an open-phase occurs?
 - Check if brake well functioning?
 - Check if the fan loosens?
- If the problem could not be solved via the procedures above, please DO NOT take apart of the motor, contact SESAME for technical support right away.

SPECIFICATIONS AND DIMENSIONS, V-CASING TYPE

Terminal box position: at 270° for V-casing type.

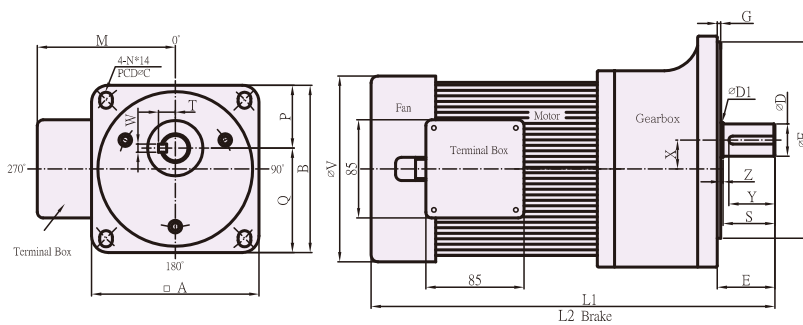


Figure II

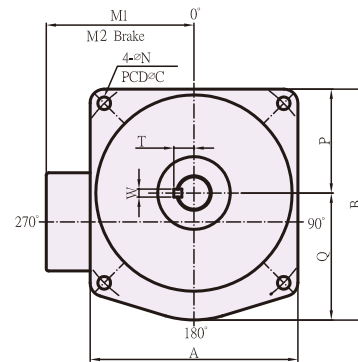


Figure I

DIMENSION (mm)

MOTOR'S CAPACITY	FIGURE NO.	TYPE NO.	GEAR RATIO	A	B	C	E	F	G	L1	L2	M1	M2	N	P	Q	V	X	OUTPUT SHAFT							
																			D	D1	S	T	W	Y	Z	
100W 1/8HP x4P	II	11	1/3~1/90	122	122	140	42.5	-	-	252	297	111	137	9x12	43	79	133	18	18	20	32	11.3	5	28	4	
	II	E11	1/3~1/90	145	145	170	44.5	-	-	255	300	111	137	11x14	54.5	90.5	133	18	22	25	35	14.5	7	28	3	
	I	12	1/75~1/165	155	167	185	50.5	140	3	273	318	111	137	11	77.5	89.5	133	18	22	25	40	14.3	7	35	7.5	
	II	E12	1/75~1/165	145	145	170	50.5	-	-	273.5	318.5	111	137	11x14	54.5	90.5	133	18	22	25	40	14.5	7	35	5.5	
200W 1/4HP x4P	II	11	1/3~1/40	122	122	140	42.5	-	-	277	322	111	137	9x12	43	79	133	18	18	20	32	11.3	5	28	4	
	II	E11	(1/50~1/90)	145	145	170	44.5	-	-	280	325	111	137	11x14	54.5	90.5	133	18	22	25	35	14.5	7	28	3	
	I	12	1/20~1/90	155	167	185	50.5	140	3	298	343	111	137	11	77.5	89.5	133	18	22	25	40	14.3	7	35	7.5	
	II	E12	(1/100~1/165)	145	145	170	50.5	-	-	298.5	343.5	111	137	11x14	54.5	90.5	133	18	22	25	40	14.5	7	35	5.5	
	I	13	1/100~1/180	180	200	220	50	170	3	322.5	367.5	111	137	11	90	110	133	25	28	30	45	17.3	7	40	2	
400W 1/2HP x4P	I	12	1/3~1/40	155	167	185	50.5	140	3	324	358.5	118.5	144.5	11	77.5	89.5	147	18	22	25	40	14.5	7	35	7.5	
	II	E12	(1/50~1/90)	145	145	170	50.5	-	-	324.5	360	118.5	144.5	11x14	54.5	90.5	147	18	22	25	40	14.5	7	35	7.5	
	I	13	1/50~1/90	180	200	220	50	170	3	348.5	383	118.5	144.5	11	90	110	147	25	28	30	45	17.3	7	40	2	
	I	13	(1/100~1/180)	180	200	220	50	170	3	350	384.5	118.5	144.5	11	90	110	147	25	28	30	45	17.3	7	40	2	
750W 1HP x4P	I	14	1/100~1/180	209	230	255	66	185	4	376	410.5	118.5	144.5	13	104	126	147	26	32	35	55	19.8	10	50	7	
	I	13	1/3~1/30	180	200	220	50	170	3	348.5	392	127	153	11	90	110	161	25	28	30	45	17.3	7	40	2	
	I	13	(1/40~1/90)	180	200	220	50	170	3	348.5	392	127	153	11	90	110	161	25	28	30	45	17.3	7	40	2	
	I	14	1/30~1/90	209	230	255	66	185	4	376	419.5	127	153	13	104	126	161	26	32	35	55	19.8	10	50	7	
	I	14	(1/100~1/180)	209	230	255	66	185	4	376	419.5	127	153	13	104	126	161	26	32	35	55	19.8	10	50	7	
1500W 2HP x4P	I	15	1/80~1/200	251	267.5	310	71	230	5	408	451.5	127	153	15	124.5	143	161	28	40	40	71	23.8	10	60	-	
	I	14	1/3~1/60	209	230	255	66	185	4	418	454.5	138.5	164.5	13	104	126	192	26	32	35	55	19.8	10	50	7	
	I	15	1/50~1/90	251	267.5	310	71	230	5	450	486.5	138.5	164.5	15	124.5	143	192	28	40	40	71	23.8	10	60	-	
2200W 3HP x4P	I	14	1/3~1/40	209	230	255	66	185	4	448	484.5	138.5	164.5	13	104	126	192	26	32	35	55	19.8	10	50	7	
	I	15	1/3~1/40	251	267.5	310	71	230	5	480	516.5	138.5	164.5	15	124.5	143	192	28	40	40	71	23.8	10	60	-	
	I	15	(1/50~1/90)	251	267.5	310	71	230	5	480	516.5	138.5	164.5	15	124.5	143	192	28	40	40	71	23.8	10	60	-	

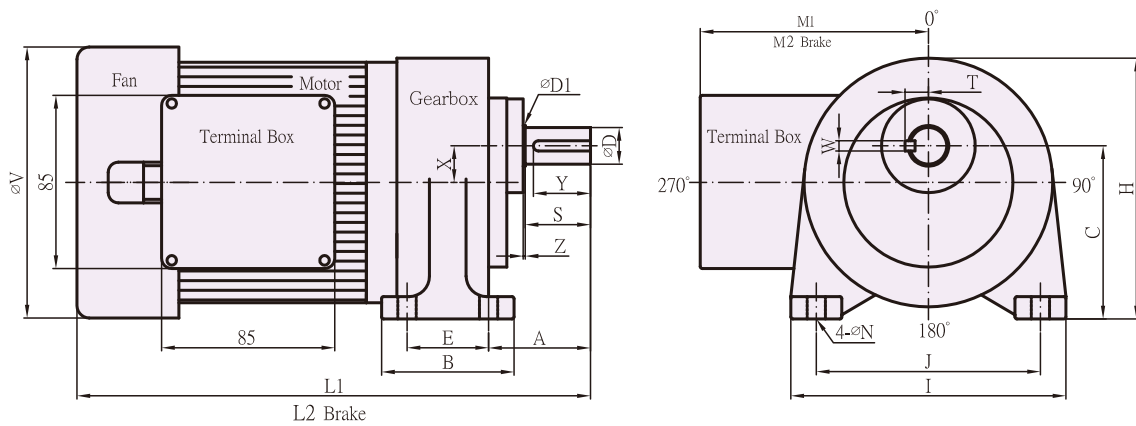
※ For light loading type.

■ Under normal usage, products come with a one-year limited warranty. ■ Specifications subject to change without notice.

Products due to human error, natural disasters or other factors lead to poor or damaged, will not be covered under warranty.

SPECIFICATIONS AND DIMENSIONS, FOOT-MOUNT TYPE

Terminal box position: at 270° for foot - mount type.



DIMENSION (mm)

MOTOR'S CAPACITY	TYPE NO.	GEAR RATIO	A	B	C	E	H	I	J	L1	L2	M1	M2	N	V	X	OUTPUT SHAFT							
																	D	D1	S	T	W	Y	Z	
100W 1/8HP x4P	11	1/3~1/90	50	65	85	40	128	135	110	252	297	111	137	9	133	18	18	20	32	11.3	5	28	1	
	12	1/75~1/165	60	90	94	65	147.5	158	130	273	318	111	137	11	133	18	22	25	40	14.3	7	35	8.5	
200W 1/4HP x4P	11	1/3~1/40	50	65	85	40	128	135	110	277	322	111	137	9	133	18	18	20	32	11.3	5	28	1	
	11	(1/50~1/90)	50	65	85	40	128	135	110	277	322	111	137	9	133	18	18	20	32	11.5	5	28	1	
	12	1/20~1/90	60	90	94	65	147.5	158	130	298	343	111	137	11	133	18	22	25	40	14.3	7	35	8.5	
	12	(1/100~1/165)	60	90	94	65	147.5	158	130	298	343	111	137	11	133	18	22	25	40	14.3	7	35	8.5	
400W 1/2HP x4P	13	1/100~1/180	68	120	115	90	175	180	140	322	367	111	137	11	133	25	28	30	45	17.3	7	40	2	
	12	1/3~1/40	60	90	94	65	147.5	158	130	324	358.5	118.5	144.5	11	147	18	22	25	40	14.3	7	35	8.5	
	12	(1/50~1/90)	60	90	94	65	147.5	158	130	324	358.5	118.5	144.5	11	147	18	22	25	40	14.5	7	35	8.5	
	13	1/50~1/90	68	120	115	90	175	180	140	348.5	383	118.5	144.5	11	147	25	28	30	45	17.3	7	40	2	
	13	(1/100~1/180)	68	120	115	90	175	180	140	348.5	383	118.5	144.5	11	147	25	28	30	45	17.3	7	40	2	
750W 1HP x4P	14	1/100~1/180	74	165	130	130	204	210	170	376	410.5	118.5	144.5	13	147	26	32	35	55	19.8	10	50	7	
	13	1/3~1/30	68	120	115	90	175	180	140	348.5	392	127	153	11	161	25	28	30	45	17.3	7	40	2	
	13	(1/40~1/90)	68	120	115	90	175	180	140	348.5	392	127	153	11	161	25	28	30	45	17.3	7	40	2	
	14	1/30~1/90	74	165	130	130	204	210	170	376	419.5	127	153	13	161	26	32	35	55	19.8	10	50	7	
	14	(1/100~1/180)	74	165	130	130	204	210	170	376	419.5	127	153	13	161	26	32	35	55	19.8	10	50	7	
1500W 2HP x4P	15	1/80~1/200	95	195	150	150	237	255	210	412	455.5	127	153	15	161	28	40	-	69	23.8	10	60	-	
	14	1/3~1/60	74	165	130	130	204	210	170	418	454.5	138.5	164.5	13	192	26	32	35	55	19.8	10	50	7	
	15	1/50~1/90	95	195	150	150	237	255	210	454	490.5	138.5	164.5	15	192	28	40	-	69	23.8	10	60	-	
2200W 3HP x4P	14	1/3~1/40	74	165	130	130	204	210	170	448	484.5	138.5	164.5	13	192	26	32	35	55	19.8	10	50	7	
	15	1/3~1/40	95	195	150	150	237	255	210	484	520.5	138.5	164.5	15	192	28	40	-	69	23.8	10	60	-	
	15	(1/50~1/90)	95	195	150	150	237	255	210	484	520.5	138.5	164.5	15	192	28	40	-	69	23.8	10	60	-	

※ For light loading type.

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G12T

V-CASING TYPE PRECISION GEAR MOTOR FOR ATC

Terminal box position: at 270° for V-casing type.



G12V560S-
MH10T

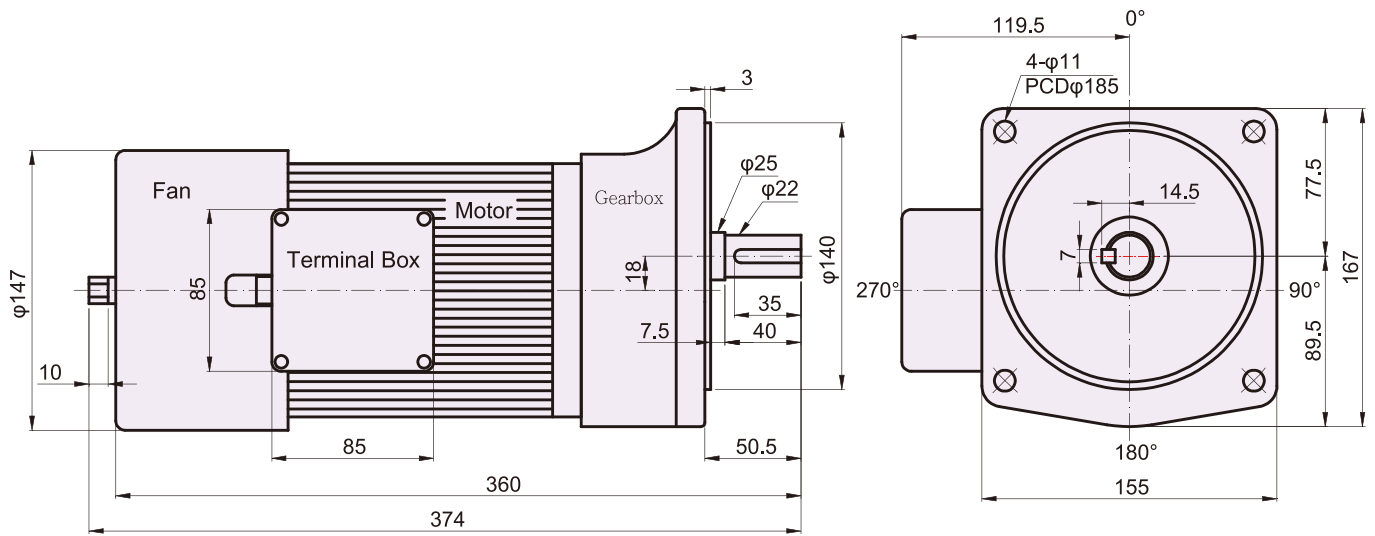
G12V560S-MH10T on ATC.



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PRECISION GEAR MOTOR

V-CASING TYPE PRECISION GEAR MOTOR FOR ATC



FEATURES

MODEL	OUTPUT (W)	VOLTAGE (V)	CURRENT (A)	SPEED (RPM)	GEAR RATIO	OUTPUT TORQUE (N-m)	OUTPUT SPEED (RPM)	BRAKE VOLTAGE (V)	STOP TIME (ms)	OVER RUN DEGREE
G12T400S M10	400	3 Phase 220(50HZ)	2.84	1350	10	28.9	135	90~99	<90ms	<70°
		3 Phase 380(50HZ)	1.58	1350		28.7	135			
		3 Phase 220(60HZ)	2.89	1600		24.6	160		<75ms	
		3 Phase 380(60HZ)	1.64	1600		24.1	165			
G12T560S M10	560	3 Phase 220(50HZ)	3.54	1300	10	41.8	130	90~99	<90ms	<70°
		3 Phase 380(50HZ)	2.04	1300		41.7	130			
		3 Phase 220(60HZ)	3.43	1550		34.5	155		<80ms	
		3 Phase 380(60HZ)	1.95	1550		35.1	155			

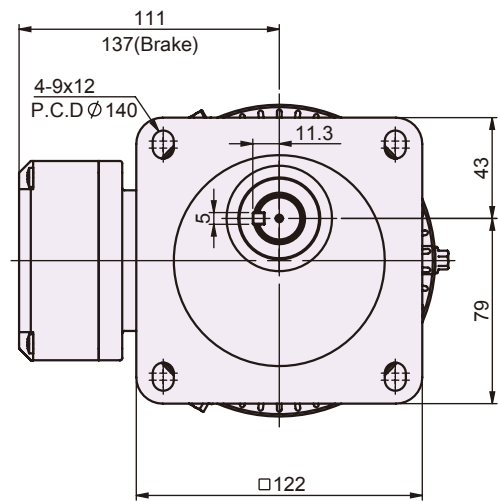
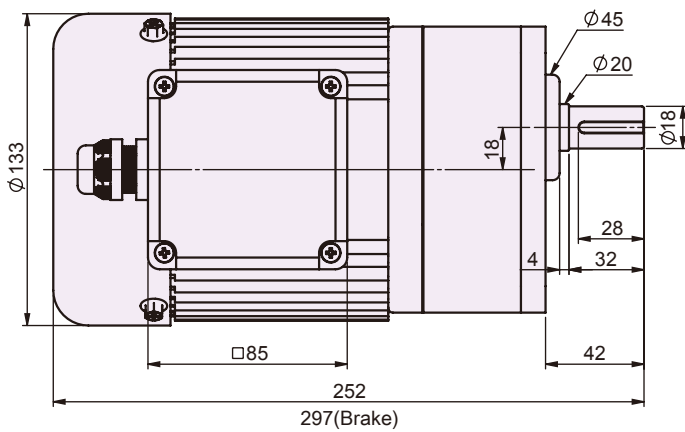
Note:

1. Stop Time: As voltage brake release its voltage, the motor will gradually slow down to complete stop. The time frame required the motor to completely stop will depend on motor's loading.
2. Over run degree: As voltage brake release its voltage, the motor will gradually slow down to complete stop. The operation of the output shaft angle might be off from its original setting, as it is depend on motor's loading.

G11V-100W

SINGLE/3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)						Full Load Running (rpm)	
	3 Phase				1 Phase			
	220V		380V		110V	220V	50HZ	60HZ
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ		
100W	0.66	0.58	0.35	0.32	1.41	0.79	1400	1700

⊙ GEAR MOTOR SPECIFICATION

Gear Ratio	3		5		10		15		20		25		30		40		50		60		75		90	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	500	600	300	360	150	180	100	120	75	90	60	72	50	60	37.5	45	30	36	25	30	20	24	16	20
Output Torque (Kg.m)	0.18	0.15	0.3	0.26	0.6	0.51	0.89	0.76	1.2	1.02	1.31	1.12	1.58	1.35	2.02	1.8	2.62	2.25	3.15	2.7	3.94	3.6	4.73	4.59
Permissible Overhung Load* (Kgf)	70	60	80	70	100	90	110	110	130	120	140	130	140	140	160	150	170	160	170	170	170	170	170	170

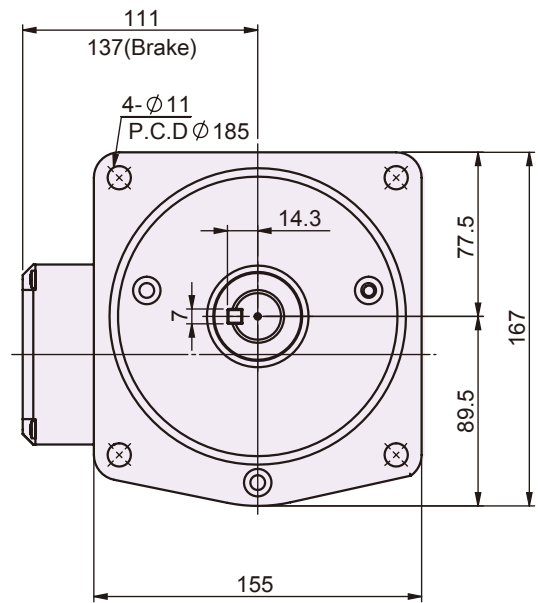
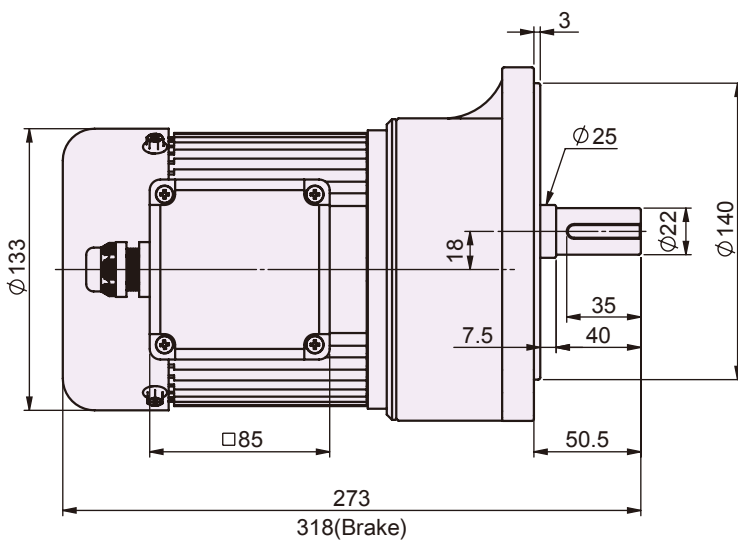
* Applied to the output shaft center.

Products due to human error, natural disasters or other factors lead to poor or damaged, will not be covered under warranty.

G12V-100W

SINGLE/3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)						Full Load Running (rpm)	
	3 Phase				1 Phase			
	220V		380V		110V	220V	50HZ	60HZ
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ		
100W	0.66	0.58	0.35	0.32	1.41	0.79	1400	1700

⊙ GEAR MOTOR SPECIFICATION

Gear Ratio	75		90		100		120		150		165	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	20	24	16	20	15	18	12.5	15	10	12	9	11
Output Torque (Kg.m)	3.94	3.6	4.73	4.59	5.25	5.10	6.30	6.12	7.88	7.65	9.96	8.30
Permissible Overhung Load* (Kgf)	240	240	240	240	240	240	240	240	240	240	240	240

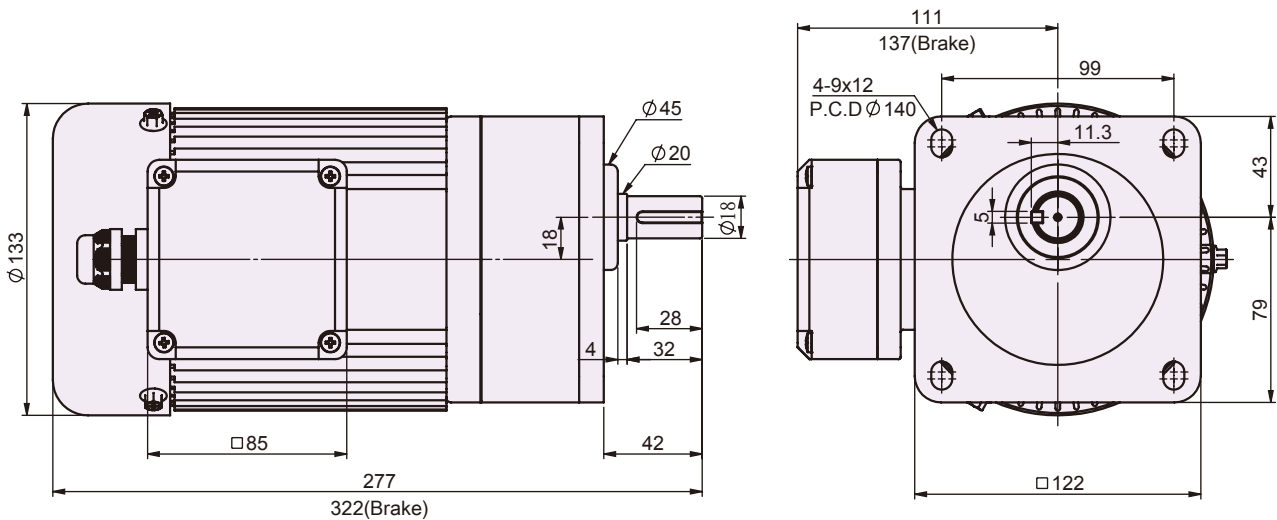
* Applied to the output shaft center.

100W V-Casing Types
200W V-Casing Types
400W V-Casing Types
750W V-Casing Types
1500W V-Casing Types
2200W V-Casing Types
100W Foot-Mount Types
200W Foot-Mount Types
400W Foot-Mount Types
750W Foot-Mount Types
1500W Foot-Mount Types
2200W Foot-Mount Types

G11V-200W

SINGLE/3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)														Full Load Running (rpm)												
	3 Phase								1 Phase																		
	220V				380V				110V			220V															
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ	60HZ	50HZ	60HZ														
200W	1.28	1.29	0.72	0.66					2.59				1.42			1400	1700										
GEAR MOTOR SPECIFICATION																											
Gear Ratio	3		5		7.5		10		15		20		25		30		40		50		60		75		90		
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	
Output rpm	500	600	300	360	200	240	150	180	100	120	75	90	60	72	50	60	37.5	45	30	36	25	30	20	24	16	20	
Output Torque (Kg.m)	0.36	0.31	0.60	0.52	0.90	0.75	1.19	1.02	1.79	1.53	2.10	1.80	2.63	2.25	3.15	2.7	4.2	3.6	5.25	4.5	6.3	5.4	7.88	6.75	9.45	8.1	
Permissible Overhung Load* (Kgf)	70	60	80	70	90	90	100	90	110	110	130	120	140	130	140	140	160	150	170	160	170	170	170	170	170	170	170

* Applied to the output shaft center.

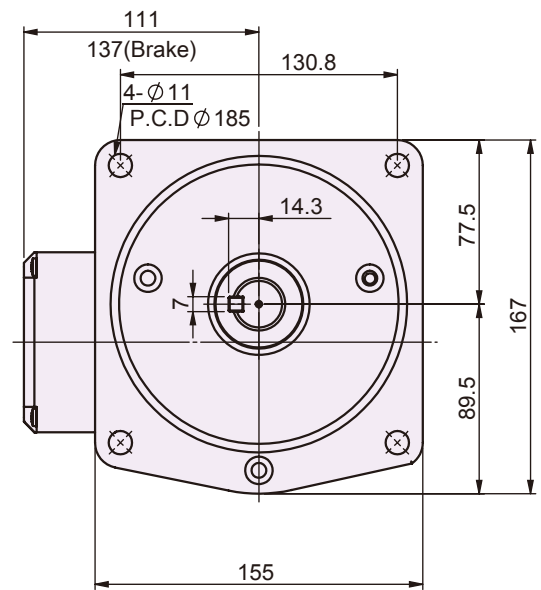
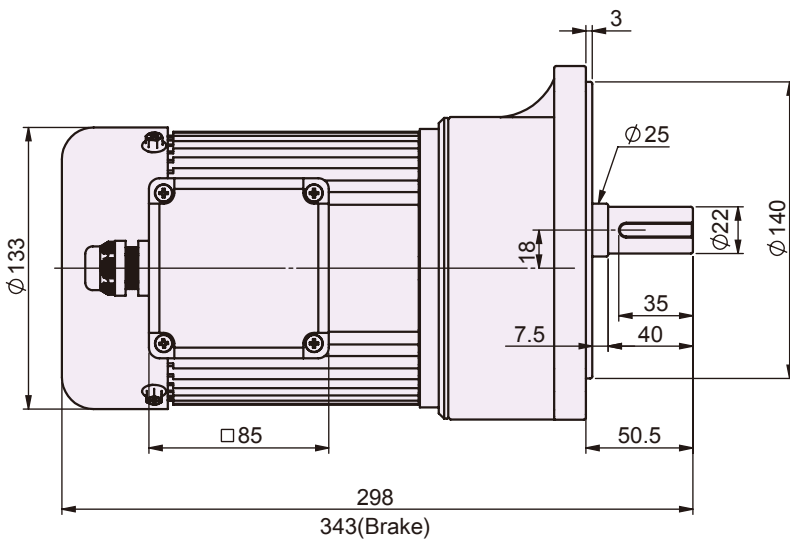
* () For light loading type.

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G12V-200W

SINGLE/3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)						Full Load Running (rpm)	
	3 Phase				1 Phase			
	220V		380V		110V	220V	50HZ	60HZ
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ		
200W	1.28	1.29	0.72	0.66	2.59	1.42	1400	1700

GEAR MOTOR SPECIFICATION

Gear Ratio	20		30		40		50		60		75		80		90		100		120		150		165	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	75	90	50	60	37.5	45	30	36	25	30	20	24	19	22.5	16	20	15	18	12.5	15	10	12	9	11
Output Torque (Kg.m)	2.10	1.80	3.15	2.70	4.20	3.60	5.25	4.50	6.30	5.40	7.88	6.75	9.65	8.04	9.45	8.10	10.59	9	12.6	10.8	15.75	13.5	19.92	16.6
Permissible Overhung Load* (Kgf)	180	170	200	190	220	210	240	230	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240

* Applied to the output shaft center.
* (■) For light loading type.

100W
V-Casing Types

200W
V-Casing Types

400W
V-Casing Types

750W
V-Casing Types

1500W
V-Casing Types

2200W
V-Casing Types

100W
Foot-Mount Types

200W
Foot-Mount Types

400W
Foot-Mount Types

750W
Foot-Mount Types

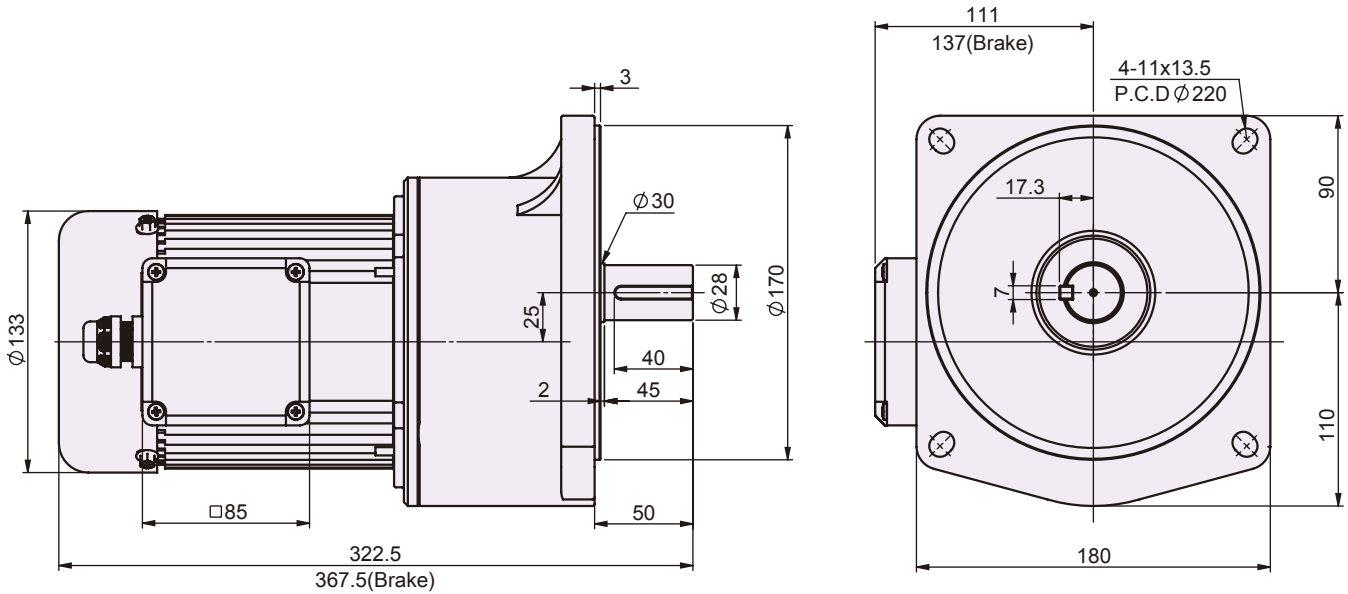
1500W
Foot-Mount Types

2200W
Foot-Mount Types

G13V-200W

SINGLE/3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)								Full Load Running (rpm)	
	3 Phase				1 Phase					
	220V		380V		110V	220V				
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ	50HZ	60HZ		
200W	1.28	1.29	0.72	0.66	2.59	1.42	1400	1700		
◎ GEAR MOTOR SPECIFICATION										
Gear Ratio	100		120		150		165		180	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	15	18	12.5	15	10	12	9	11	8	10
Output Torque (Kg.m)	10.59	9	12.6	10.8	15.75	13.5	19.92	16.6	21.73	18.11
Permissible Overhung Load* (Kgf)	400	400	400	400	400	400	400	400	400	400

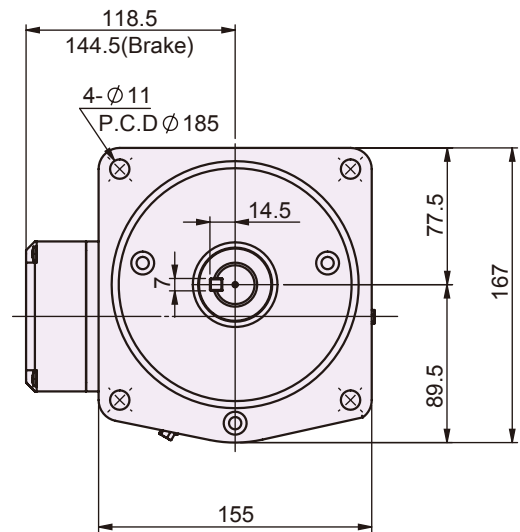
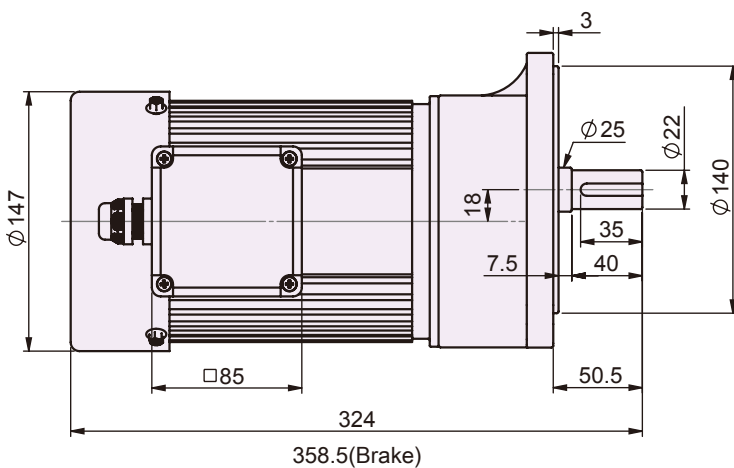
* Applied to the output shaft center.

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G12V-400W

SINGLE/3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)						Full Load Running (rpm)	
	3 Phase				1 Phase			
	220V		380V		110V	220V	50HZ	60HZ
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ		
400W	2.28	1.87	1.32	1.09	5.36	2.79	1400	1700

GEAR MOTOR SPECIFICATION

Gear Ratio	3		5		7.5		10		15		20		25		30		40		50		60		75		90		
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	
Output rpm	500	600	300	360	200	240	150	180	100	120	75	90	60	72	50	60	37.5	45	30	36	25	30	20	24	16	20	
Output Torque (Kg.m)	0.74	0.62	1.24	1.04	1.86	1.55	2.48	2.07	3.71	3.11	4.40	3.68	5.50	4.60	6.60	5.52	8.80	7.36	11.00	9.20	13.20	11.04	16.50	13.80	19.80	16.56	
Permissible Overhung Load* (Kgf)	90	90	110	100	130	120	140	130	160	150	180	170	190	180	200	190	220	210	240	230	240	240	240	240	240	240	240

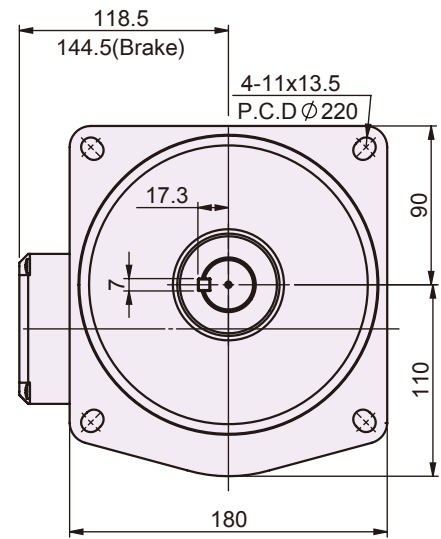
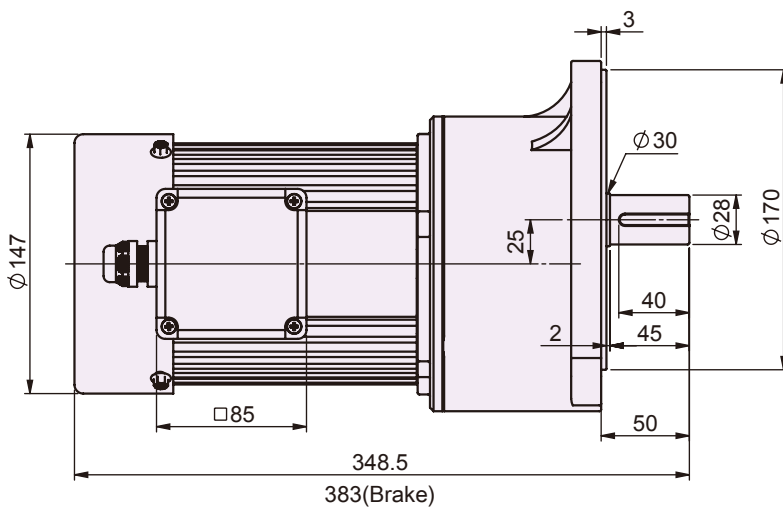
* Applied to the output shaft center.
* () For light loading type.

100W V-Casing Types
200W V-Casing Types
400W V-Casing Types
750W V-Casing Types
1500W V-Casing Types
2200W V-Casing Types
100W Foot-Mount Types
200W Foot-Mount Types
400W Foot-Mount Types
750W Foot-Mount Types
1500W Foot-Mount Types
2200W Foot-Mount Types

G13V-400W

SINGLE/3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)							Full Load Running (rpm)	
	3 Phase				1 Phase				
	220V		380V		110V	220V		50HZ	60HZ
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ			
400W	2.28	1.87	1.32	1.09	5.36	2.79	1400	1700	

⊙ GEAR MOTOR SPECIFICATION

Gear Ratio	50		60		75		90		100		120		150		165		180	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	30	36	25	30	20	24	16	20	15	18	12.5	15	10	12	9	11	8	10
Output Torque (Kg.m)	11.00	9.20	13.20	11.04	16.50	13.80	19.80	16.56	22.00	18.40	26.40	22.08	33.00	27.60	36.3	30.36	39.60	33.12
Permissible Overhung Load* (Kgf)	400	380	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400

* Applied to the output shaft center.

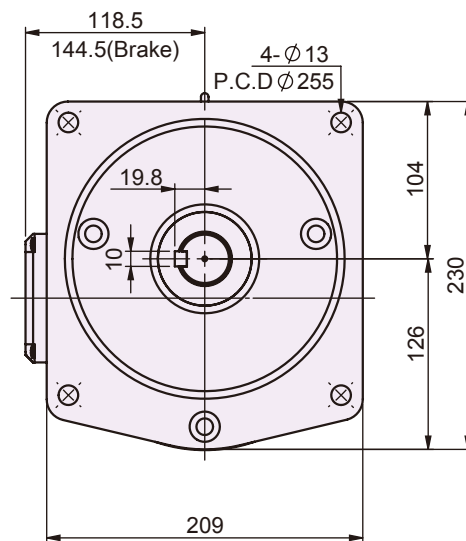
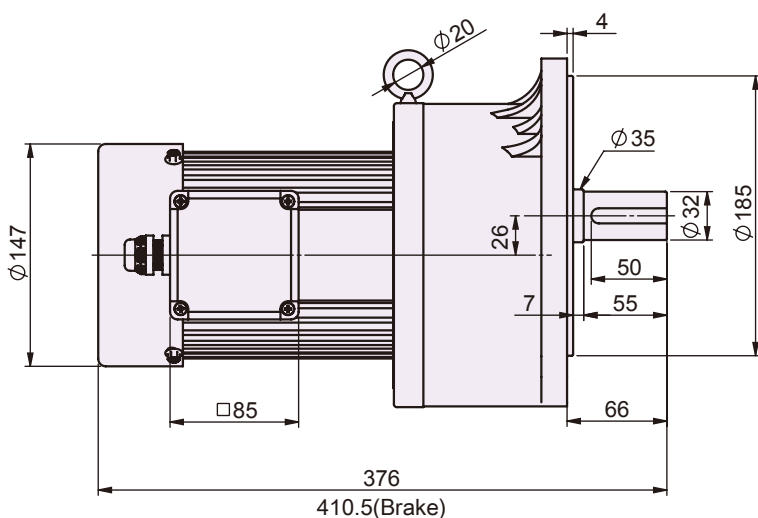
() For light loading type.

Products due to human error, natural disasters or other factors lead to poor or damaged, will not be covered under warranty.

G14V-400W

SINGLE/3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)						Full Load Running (rpm)			
	3 Phase				1 Phase					
	220V		380V		110V	220V	50HZ	60HZ		
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ				
400W	2.28	1.87	1.32	1.09	5.36	2.79	1400	1700		
GEAR MOTOR SPECIFICATION										
Gear Ratio	100		120		150		165		180	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	15	18	12.5	15	10	12	9	11	8	10
Output Torque (Kg.m)	22.00	18.40	26.4	22.08	33.00	27.60	36.3	30.36	39.60	33.12
Permissible Overhung Load* (Kg)	470	470	470	470	470	470	470	470	470	470

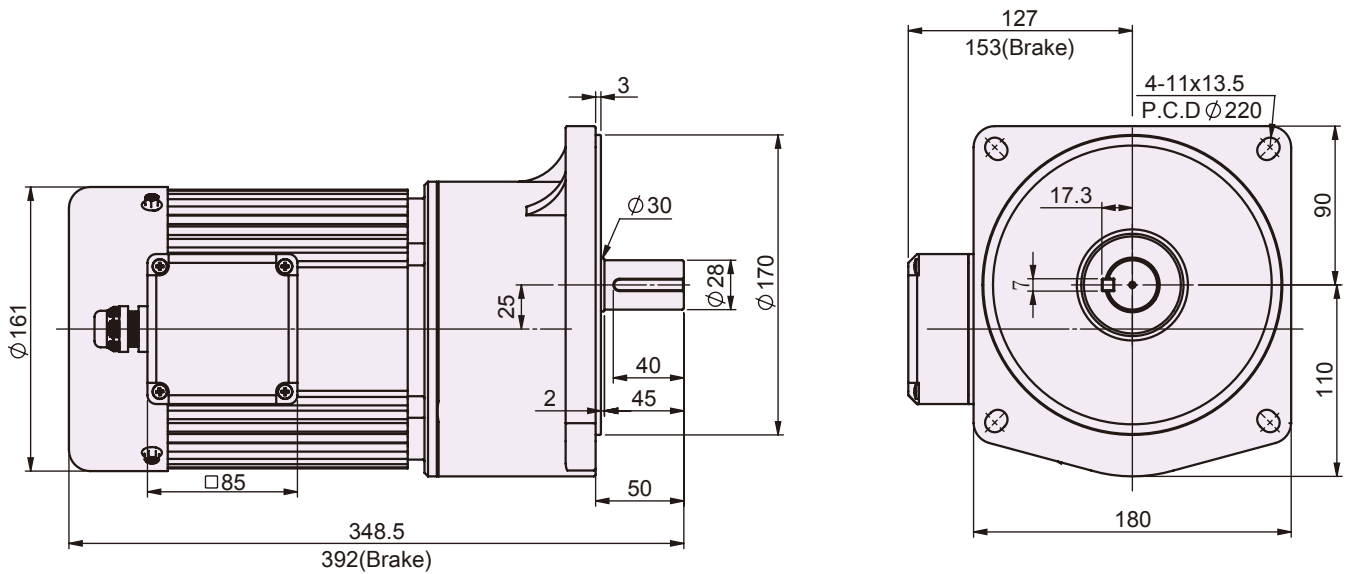
* Applied to the output shaft center.

100W V-Casing Types
200W V-Casing Types
400W V-Casing Types
750W V-Casing Types
1500W V-Casing Types
2200W V-Casing Types
100W Foot-Mount Types
200W Foot-Mount Types
400W Foot-Mount Types
750W Foot-Mount Types
1500W Foot-Mount Types
2200W Foot-Mount Types

G13V-750W

SINGLE/3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)							Full Load Running (rpm)	
	3 Phase				1 Phase				
	220V		380V		110V	220V		50HZ	60HZ
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ			
750W	3.2	2.98	1.9	1.71	10.35	5.18	1400	1700	

◎ GEAR MOTOR SPECIFICATION

Gear Ratio	3		5		10		15		20		25		30		40		50		60		75		90		
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	
Output rpm	500	600	300	360	150	180	100	120	75	90	60	72	50	60	37.5	45	30	36	25	30	20	24	16	20	
Output Torque (Kg.m)	1.40	1.19	2.34	1.98	4.68	3.96	7.02	5.94	8.32	7.04	10.40	8.80	12.48	10.56	16.64	14.08	20.80	17.60	24.96	21.12	31.20	26.40	37.44	31.68	
Permissible Overhung Load* (Kgf)	160	150	190	180	240	220	270	250	300	280	320	300	340	320	370	350	400	380	400	400	400	400	400	400	400

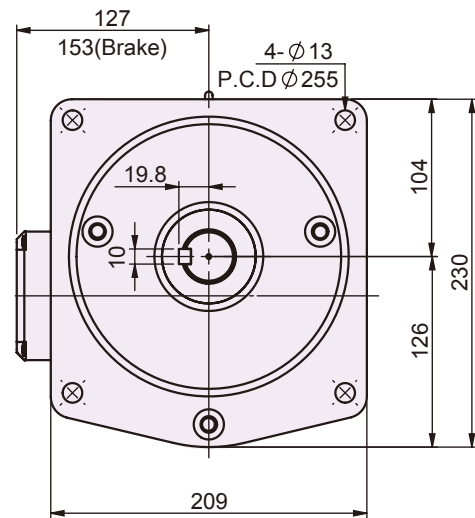
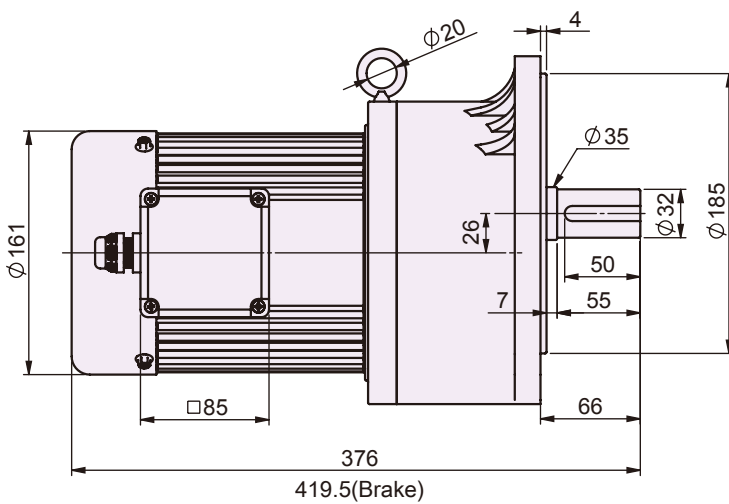
* Applied to the output shaft center.

() For light loading type.

Products due to human error, natural disasters or other factors lead to poor or damaged, will not be covered under warranty.

G14V-750W SINGLE/3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)						Full Load Running (rpm)	
	3 Phase				1 Phase			
	220V		380V		110V	220V	50HZ	60HZ
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ		
750W	3.2	2.98	1.9	1.71	10.35	5.18	1400	1700

GEAR MOTOR SPECIFICATION

Gear Ratio	30		40		50		60		75		80		90		100		120		150		180	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	50	60	37.5	45	30	36	25	30	20	24	19	22.5	16	20	15	18	12.5	15	10	12	8	10
Output Torque (Kg.m)	12.48	10.56	16.64	14.08	20.80	17.60	24.96	21.12	31.20	26.40	33.28	28.16	37.44	31.68	41.60	35.20	49.92	42.24	62.40	52.80	74.88	63.36
Permissible Overhung Load* (Kgf)	390	370	430	410	470	440	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470

* Applied to the output shaft center.

* () For light loading type.

V-Casing Types
100W

V-Casing Types
200W

V-Casing Types
400W

V-Casing Types
750W

V-Casing Types
1500W

V-Casing Types
2200W

Foot-Mount Types
100W

Foot-Mount Types
200W

Foot-Mount Types
400W

Foot-Mount Types
750W

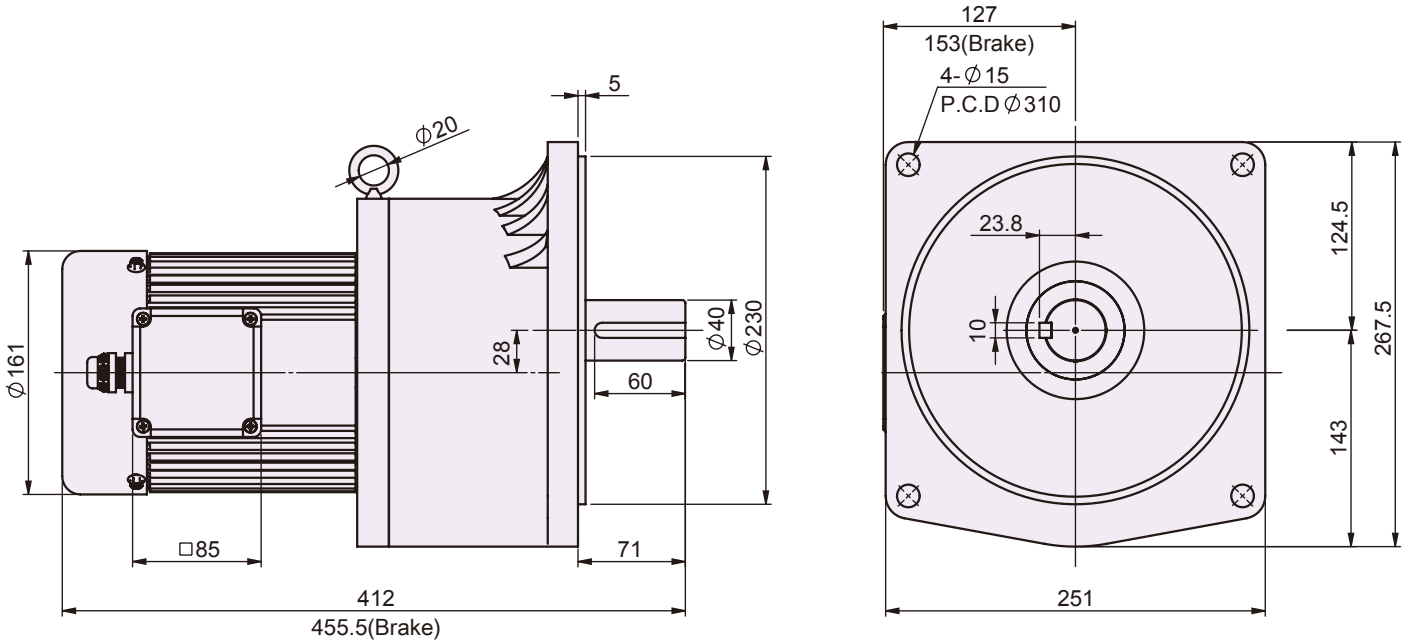
Foot-Mount Types
1500W

Foot-Mount Types
2200W

G15V-750W

SINGLE/3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)								Full Load Running (rpm)	
	3 Phase				1 Phase					
	220V		380V		110V	220V				
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ		50HZ	60HZ	
750W	3.2	2.98	1.9	1.71	10.35	5.18		1400	1700	
⊙ GEAR MOTOR SPECIFICATION										
Gear Ratio	80		100		120		150		200	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	19	22.5	15	18	12.5	15	10	12	7	9
Output Torque (Kg.m)	33.28	28.16	41.60	35.20	49.92	42.24	62.40	52.80	79.04	66.88
Permissible Overhung Load* (Kgf)	570	570	570	570	570	570	570	570	570	570

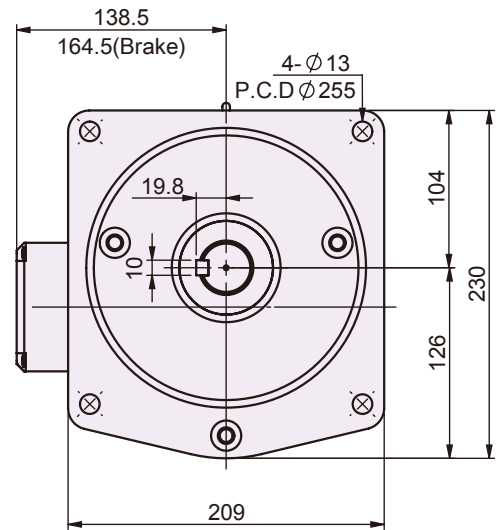
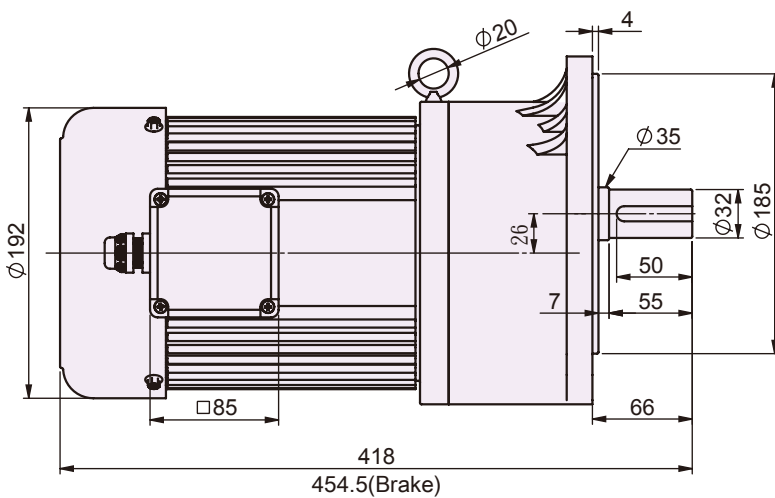
* Applied to the output shaft center.

Products due to human error, natural disasters or other factors lead to poor or damaged, will not be covered under warranty.

G14V-1500W

3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)												Full Load Running (rpm)			
	3 Phase															
	220V						380V									
	50HZ		60HZ		50HZ		60HZ		50HZ		60HZ		50HZ	60HZ		
1500W	5.9		5.6		3.4		3.2		1400		1700					

⊙ GEAR MOTOR SPECIFICATION																				
Gear Ratio	3		5		10		15		20		25		30		40		50		60	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	500	600	300	360	150	180	100	120	75	90	60	72	50	60	37.5	45	30	36	25	30
Output Torque (Kg.m)	2.75	2.27	4.59	3.78	9.18	7.57	13.77	11.35	18.36	15.13	20.25	16.69	24.3	20.03	32.4	26.7	40.5	33.38	48.6	40.05
Permissible Overhung Load* (Kgf)	180	170	220	200	270	260	310	290	340	320	370	350	390	370	430	410	470	440	470	470

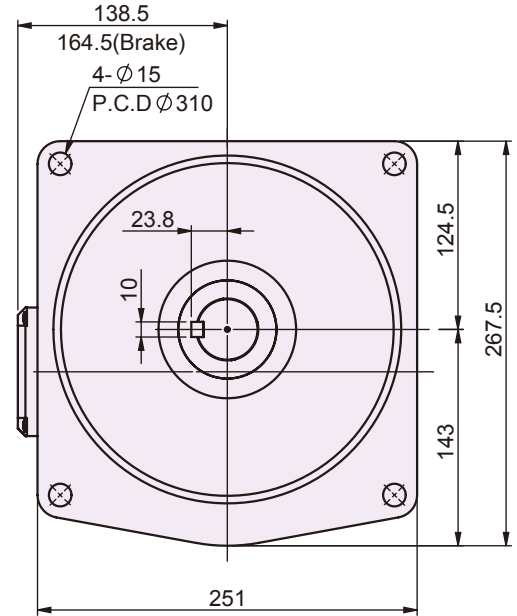
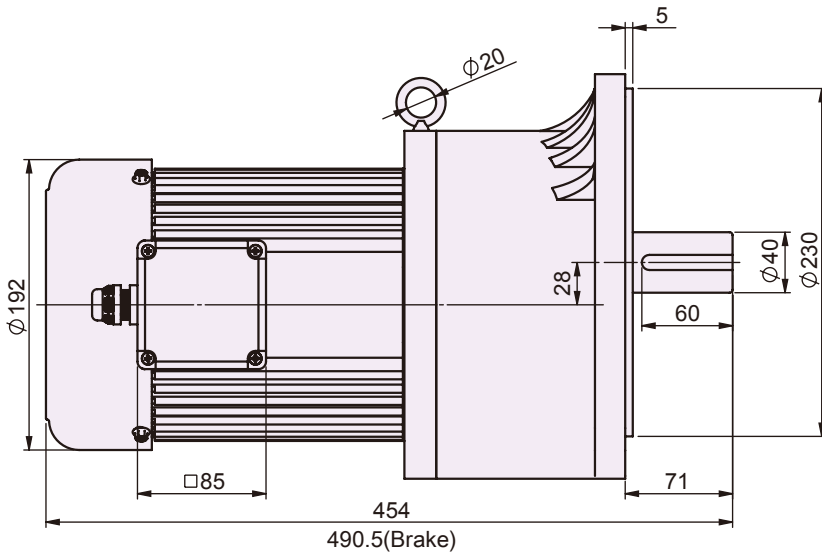
* Applied to the output shaft center.

100W V-Casing Types
200W V-Casing Types
400W V-Casing Types
750W V-Casing Types
1500W V-Casing Types
2200W V-Casing Types
100W Foot-Mount Types
200W Foot-Mount Types
400W Foot-Mount Types
750W Foot-Mount Types
1500W Foot-Mount Types
2200W Foot-Mount Types

G15V-1500W

3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)								Full Load Running (rpm)	
	3 Phase									
	220V				380V					
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ		
1500W	5.9	5.6	3.4	3.2	1400	1700				
◎ GEAR MOTOR SPECIFICATION										
Gear Ratio	50		60		75		80		90	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	30	36	25	30	20	24	19	22.5	16	20
Output Torque (Kg.m)	40.5	33.38	48.6	40.05	60.75	50.06	72.44	60.37	72.9	60.08
Permissible Overhung Load* (Kgf)	570	530	570	570	570	570	570	570	570	570

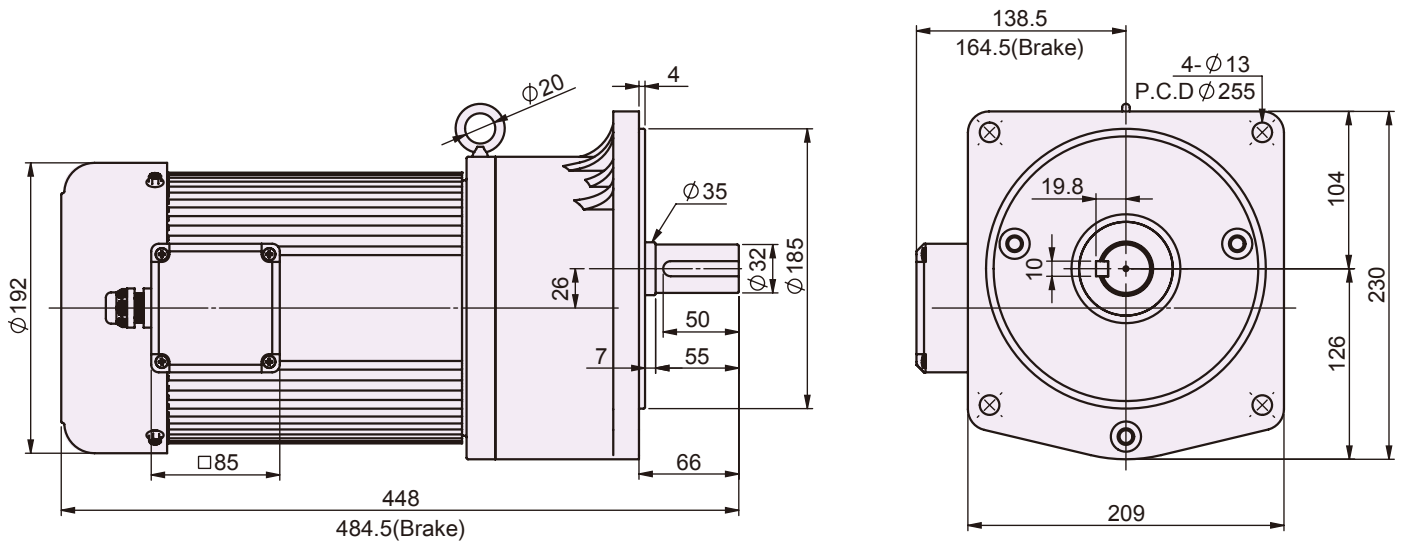
* Applied to the output shaft center.

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G14V-2200W

3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)				Full Load Running (rpm)	
	3 Phase					
	220V		380V		50HZ	60HZ
	50HZ	60HZ	50HZ	60HZ		
2200W	8.88	8.09	5.09	4.71	1400	1700

◎ GEAR MOTOR SPECIFICATION

Gear Ratio	3		5		10		15		20		25		30		40	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	500	600	300	360	150	180	100	120	75	90	60	72	50	60	37.5	45
Output Torque (Kg.m)	4.05	3.32	6.76	5.53	13.51	11.05	20.27	16.58	27.03	22.10	29.81	24.38	35.78	29.25	47.70	39
Permissible Overhung Load* (Kgf)	180	170	220	200	270	260	310	290	340	320	370	350	390	370	430	410

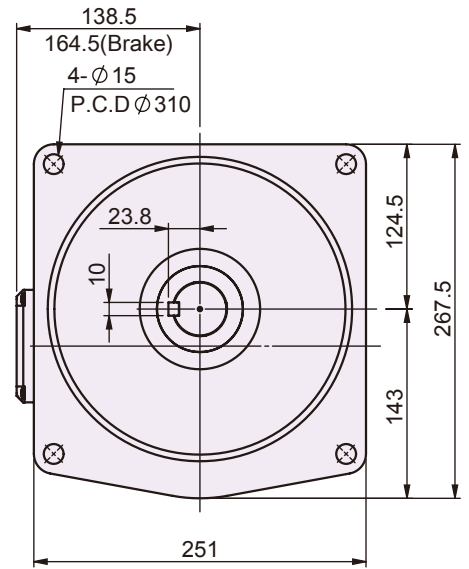
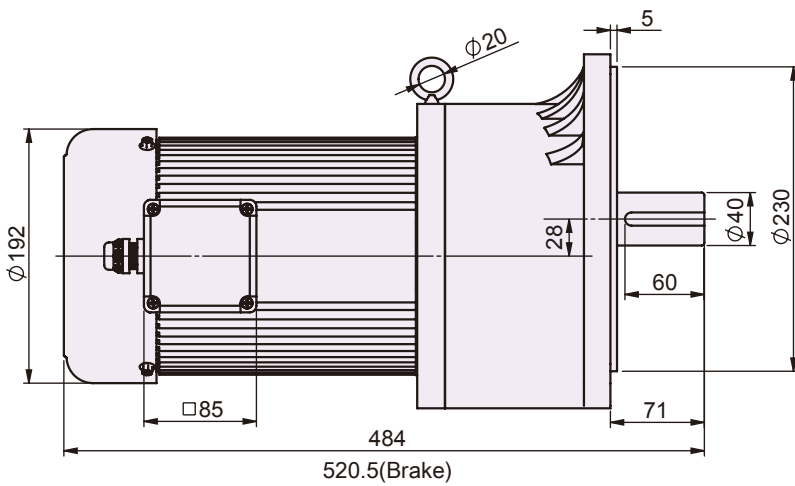
* Applied to the output shaft center.
* () For light loading type.

100W V-Casing Types
200W V-Casing Types
400W V-Casing Types
750W V-Casing Types
1500W V-Casing Types
2200W V-Casing Types
100W Foot-Mount Types
200W Foot-Mount Types
400W Foot-Mount Types
750W Foot-Mount Types
1500W Foot-Mount Types
2200W Foot-Mount Types

G15V-2200W

3-PHASE V-CASING TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for V-casing type.



KW	Full Load Current (Amp)				Full Load Running (rpm)	
	3 Phase					
	220V		380V			
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
2200W	8.88	8.09	5.09	4.71	1400	1700

⊙ GEAR MOTOR SPECIFICATION

Gear Ratio	3		5		10		15		20		25		30		40		50		60		75		80		90		
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	
Output rpm	500	600	300	360	150	180	100	120	75	90	60	72	50	60	37.5	45	30	36	25	30	20	24	19	22.5	16	20	
Output Torque (Kg.m)	4.05	3.32	6.76	5.53	13.51	11.05	20.27	16.58	27.03	22.1	29.81	24.38	35.78	29.25	47.7	39	50.24	41.62	79.68	66.4	99.61	83	106.25	88.54	119.53	99.61	
Permissible Overhung Load* (Kgf)	220	210	260	250	330	310	380	360	420	390	450	420	480	450	530	490	570	530	570	570	570	570	570	570	570	570	570

* Applied to the output shaft center.

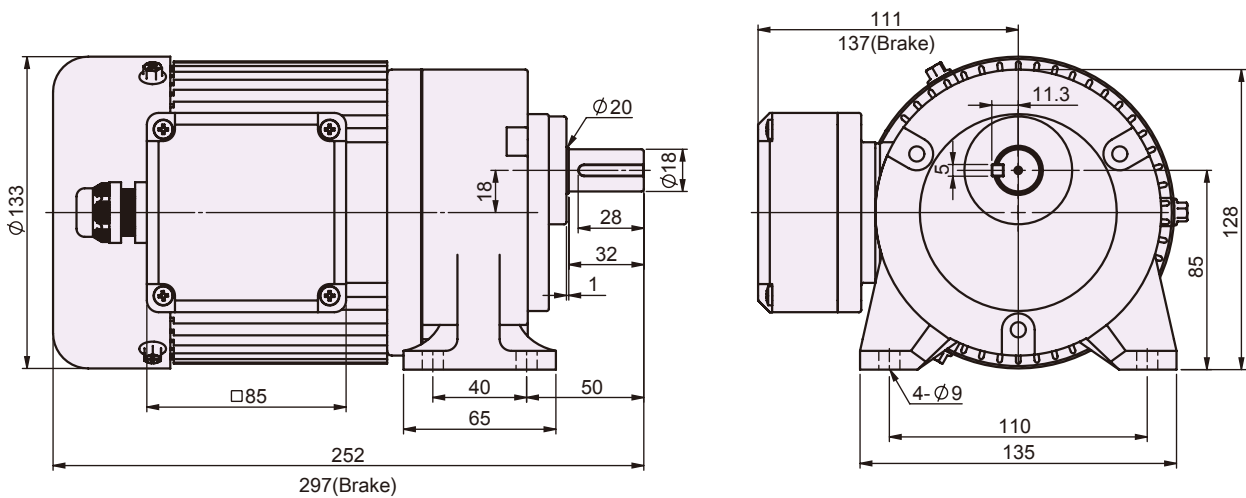
* () For light loading type.

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G11H-100W

SINGLE/3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)						Full Load Running (rpm)	
	3 Phase				1 Phase			
	220V		380V		110V	220V	50HZ	60HZ
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ		
100W	0.66	0.58	0.35	0.32	1.41	0.79	1400	1700

GEAR MOTOR SPECIFICATION

Gear Ratio	3		5		10		15		20		25		30		40		50		60		75		90	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	500	600	300	360	150	180	100	120	75	90	60	72	50	60	37.5	45	30	36	25	30	20	24	16	20
Output Torque (Kg.m)	0.18	0.15	0.3	0.26	0.6	0.51	0.89	0.76	1.2	1.02	1.31	1.12	1.58	1.35	2.02	1.8	2.62	2.25	3.15	2.7	3.94	3.6	4.73	4.59
Permissible Overhung Load* (Kgf)	70	60	80	70	100	90	110	110	130	120	140	130	140	140	160	150	170	160	170	170	170	170	170	170

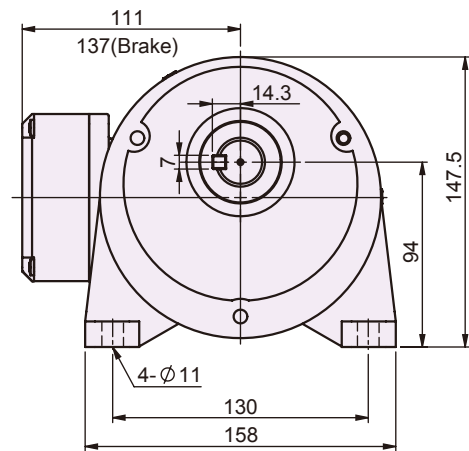
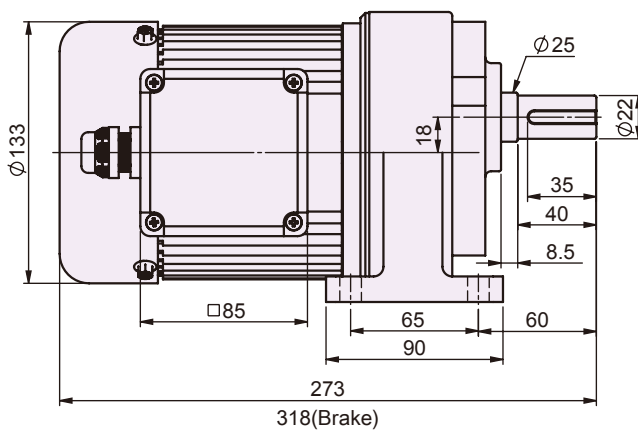
* Applied to the output shaft center.

100W
200W
400W
750W
1500W
2200W
100W
200W
400W
750W
1500W
2200W

G12H-100W

SINGLE/3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)							Full Load Running (rpm)				
	3 Phase				1 Phase							
	220V		380V		110V	220V						
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ	50HZ	60HZ				
100W	0.66	0.58	0.35	0.32	1.41	0.79		1400	1700			
⊙ GEAR MOTOR SPECIFICATION												
Gear Ratio	75		90		100		120		150		165	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	20	24	16	20	15	18	12.5	15	10	12	9	11
Output Torque (Kg.m)	3.94	3.6	4.73	4.59	5.25	5.10	6.30	6.12	7.88	7.65	9.96	8.30
Permissible Overhung Load* (Kgf)	240	240	240	240	240	240	240	240	240	240	240	240

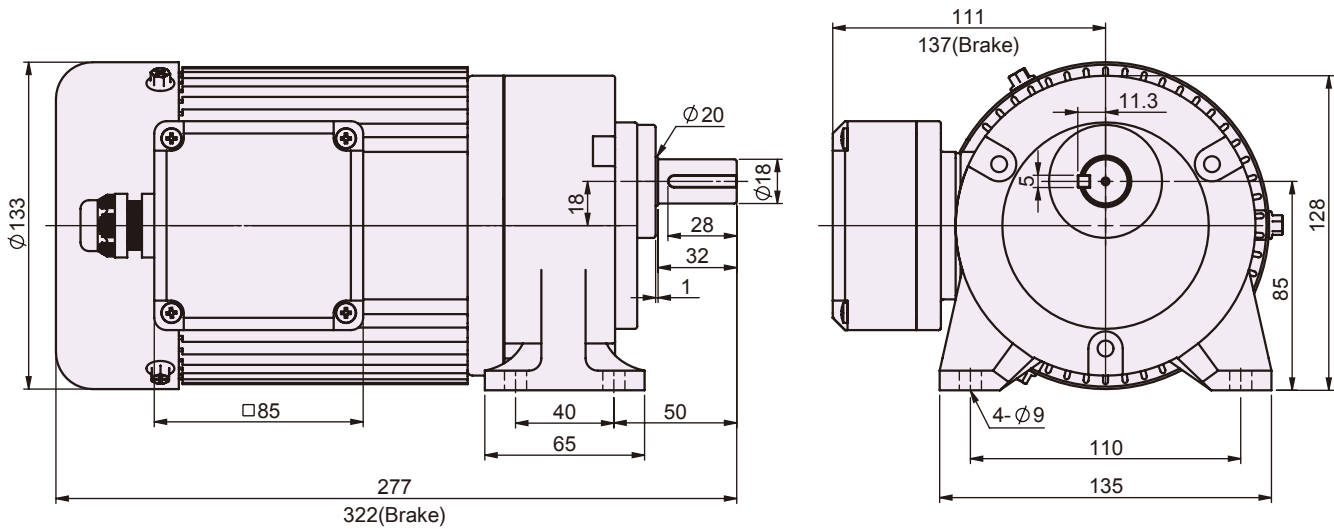
* Applied to the output shaft center.

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G11H-200W

SINGLE/3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)						Full Load Running (rpm)	
	3 Phase				1 Phase			
	220V		380V		110V	220V	50HZ	60HZ
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ		
200W	1.28	1.29	0.72	0.66	2.59	1.42	1400	1700

⊙ GEAR MOTOR SPECIFICATION

Gear Ratio	3		5		7.5		10		15		20		25		30		40		50		60		75		90		
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	
Output rpm	500	600	300	360	200	240	150	180	100	120	75	90	60	72	50	60	37.5	45	30	36	25	30	20	24	16	20	
Output Torque (Kg.m)	0.36	0.31	0.6	0.52	0.9	0.75	1.19	1.02	1.79	1.53	2.1	1.8	2.63	2.25	3.15	2.7	4.2	3.6	5.25	4.5	6.3	5.4	7.88	6.75	9.45	8.1	
Permissible Overhung Load* (Kgf)	70	60	80	70	90	90	100	90	110	110	130	120	140	130	140	140	160	150	170	160	170	170	170	170	170	170	170

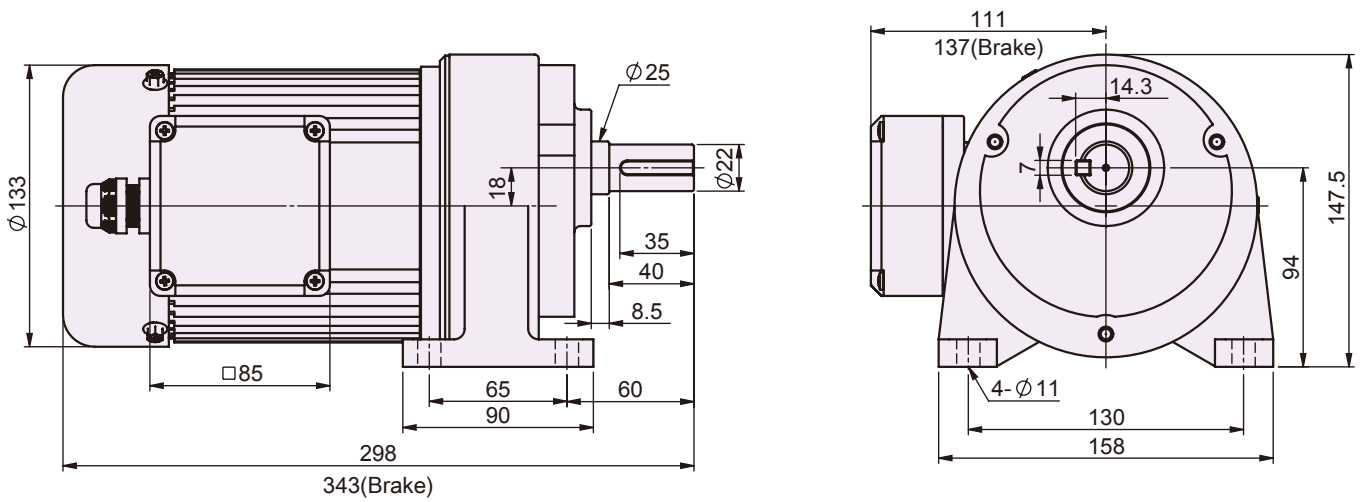
* Applied to the output shaft center.
 * () For light loading type.

100W V-Casing Types
 200W V-Casing Types
 400W V-Casing Types
 750W V-Casing Types
 1500W V-Casing Types
 2200W V-Casing Types
 100W Foot-Mount Types
 200W Foot-Mount Types
 400W Foot-Mount Types
 750W Foot-Mount Types
 1500W Foot-Mount Types
 2200W Foot-Mount Types

G12H-200W

SINGLE/3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)																Full Load Running (rpm)							
	3 Phase								1 Phase															
	220V				380V				110V				220V				50HZ	60HZ						
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ										
200W	1.28	1.29	0.72	0.66									2.59					1.42	1400	1700				
⊙ GEAR MOTOR SPECIFICATION																								
Gear Ratio	20		30		40		50		60		75		80		90		100		120		150		165	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	75	90	50	60	37.5	45	30	36	25	30	20	24	19	22.5	16	20	15	18	12.5	15	10	12	9	11
Output Torque (Kg.m)	2.10	1.80	3.15	2.70	4.20	3.60	5.25	4.50	6.30	5.40	7.88	6.75	9.65	8.04	9.45	8.10	10.59	9	12.6	10.8	15.75	13.5	19.92	16.6
Permissible Overhung Load* (Kgf)	180	170	200	190	220	210	240	230	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240	240

* Applied to the output shaft center.

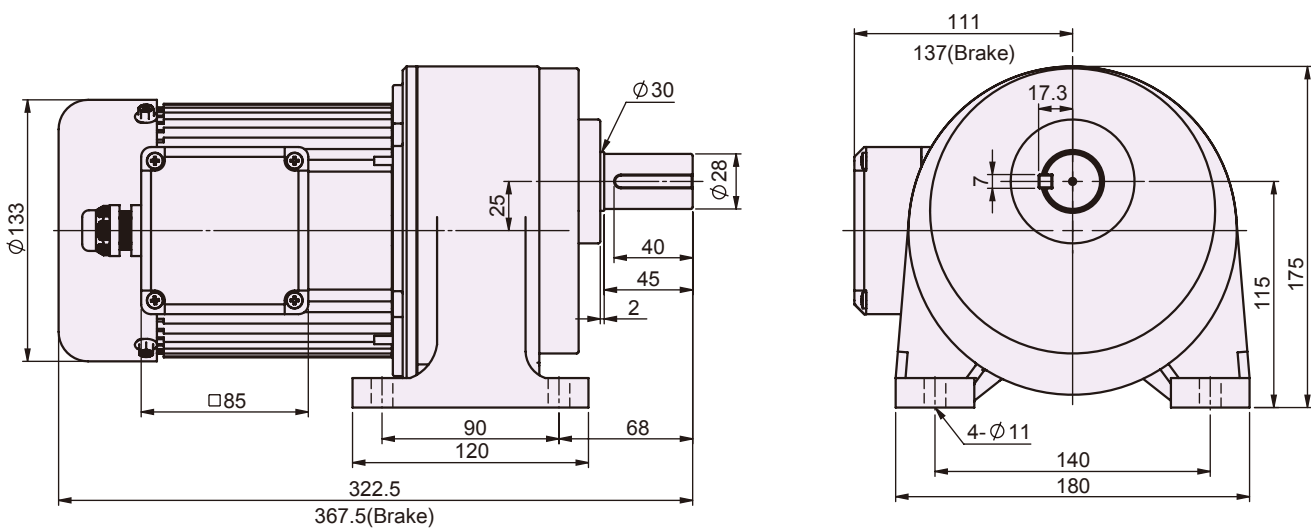
() For light loading type.

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G13H-200W

SINGLE/3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)						Full Load Running (rpm)			
	3 Phase				1 Phase					
	220V		380V		110V	220V	50HZ	60HZ		
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ				
200W	1.28	1.29	0.72	0.66	2.59	1.42	1400	1700		
⊙ GEAR MOTOR SPECIFICATION										
Gear Ratio	100		120		150		165		180	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	15	18	12.5	15	10	12	9	11	8	10
Output Torque (Kg.m)	10.59	9	12.6	10.8	15.75	13.5	19.92	16.6	21.73	18.11
Permissible Overhung Load* (Kgf)	400	400	400	400	400	400	400	400	400	400

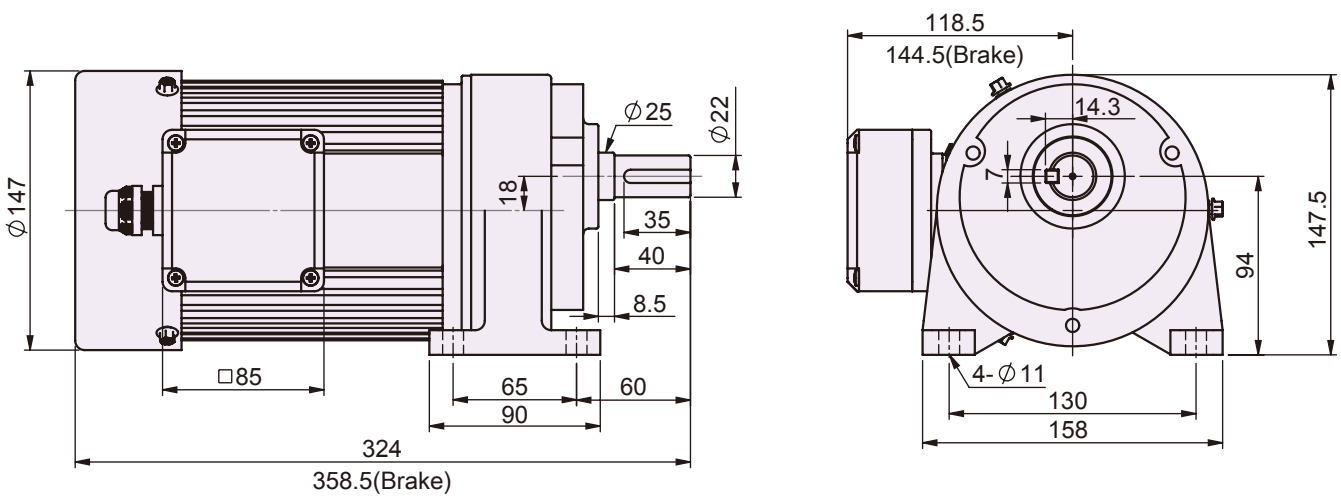
* Applied to the output shaft center.

100W V-Casting Types
200W V-Casting Types
400W V-Casting Types
750W V-Casting Types
1500W V-Casting Types
2200W V-Casting Types
100W Foot-Mount Types
200W Foot-Mount Types
400W Foot-Mount Types
750W Foot-Mount Types
1500W Foot-Mount Types
2200W Foot-Mount Types

G12H-400W

SINGLE/3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)						Full Load Running (rpm)	
	3 Phase				1 Phase			
	220V		380V		110V	220V	50HZ	60HZ
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ		
400W	2.28	1.87	1.32	1.09	5.36	2.79	1400	1700

⊙ GEAR MOTOR SPECIFICATION

Gear Ratio	3		5		7.5		10		15		20		25		30		40		50		60		75		90		
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	
Output rpm	500	600	300	360	200	240	150	180	100	120	75	90	60	72	50	60	37.5	45	30	36	25	30	20	24	16	20	
Output Torque (Kg.m)	0.74	0.62	1.24	1.04	1.86	1.55	2.48	2.07	3.71	3.11	4.40	3.68	5.50	4.60	6.60	5.52	8.80	7.36	11.00	9.20	13.20	11.04	16.50	13.80	19.80	16.56	
Permissible Overhung Load* (Kgf)	90	90	110	100	130	120	140	130	160	150	180	170	190	180	200	190	220	210	240	230	240	240	240	240	240	240	240

* Applied to the output shaft center.

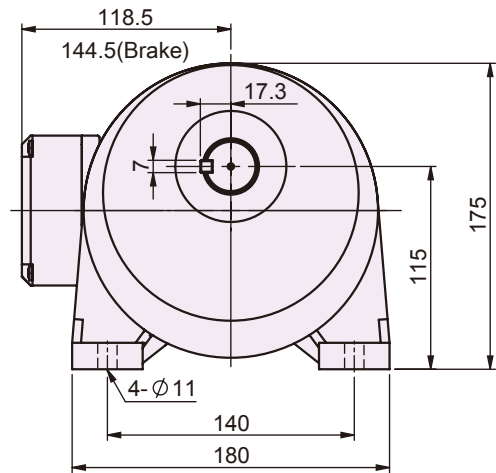
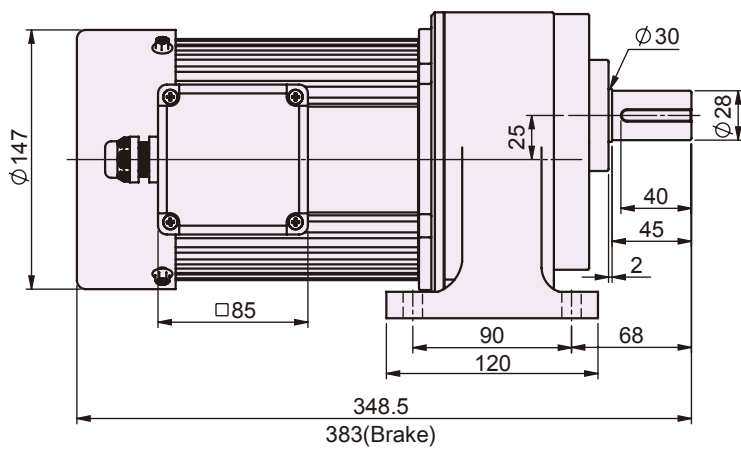
() For light loading type.

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G13H-400W

SINGLE/3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)							Full Load Running (rpm)	
	3 Phase				1 Phase				
	220V		380V		110V	220V		50HZ	60HZ
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ			
400W	2.28	1.87	1.32	1.09	5.36	2.79	1400	1700	

GEAR MOTOR SPECIFICATION																		
Gear Ratio	50		60		75		90		100		120		150		165		180	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	30	36	25	30	20	24	16	20	15	18	12.5	15	10	12	9	11	8	10
Output Torque (Kg.m)	11.00	9.20	13.20	11.04	16.50	13.80	19.80	16.56	22.00	18.40	26.40	22.08	33.00	27.60	36.30	30.36	39.60	33.12
Permissible Overhung Load* (Kgf)	400	380	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400

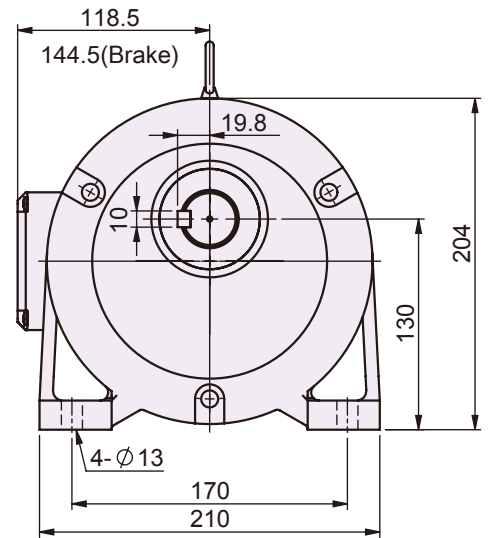
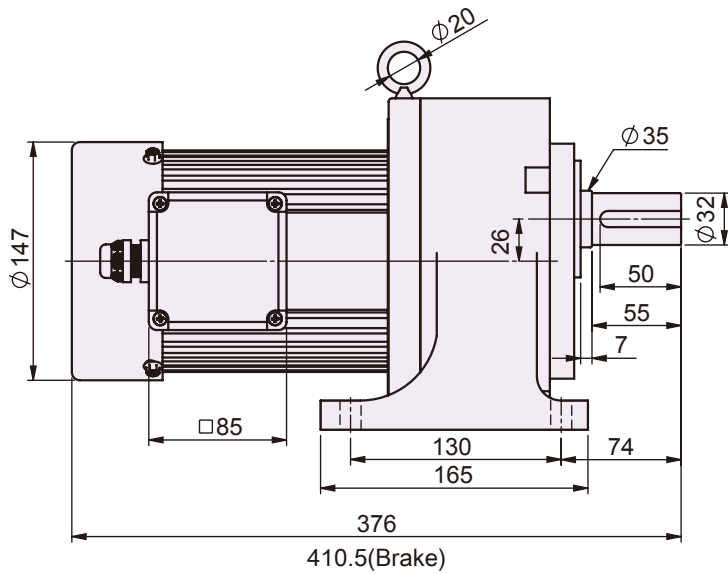
* Applied to the output shaft center.
 * () For light loading type.

100W V-Casting Types
 200W V-Casting Types
 400W V-Casting Types
 750W V-Casting Types
 1500W V-Casting Types
 2200W V-Casting Types
 100W Foot-Mount Types
 200W Foot-Mount Types
 400W Foot-Mount Types
 750W Foot-Mount Types
 1500W Foot-Mount Types
 2200W Foot-Mount Types

G14H-400W

SINGLE/3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)						Full Load Running (rpm)			
	3 Phase				1 Phase					
	220V		380V		110V	220V	50HZ	60HZ		
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ				
400W	2.28	1.87	1.32	1.09	5.36	2.79	1400	1700		
⊙ GEAR MOTOR SPECIFICATION										
Gear Ratio	100		120		150		165		180	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	15	18	12.5	15	10	12	9	11	8	10
Output Torque (Kg.m)	22.00	18.40	26.40	22.08	33.00	27.60	36.30	30.36	39.60	33.12
Permissible Overhung Load* (Kg.f)	470	470	470	470	470	470	470	470	470	470

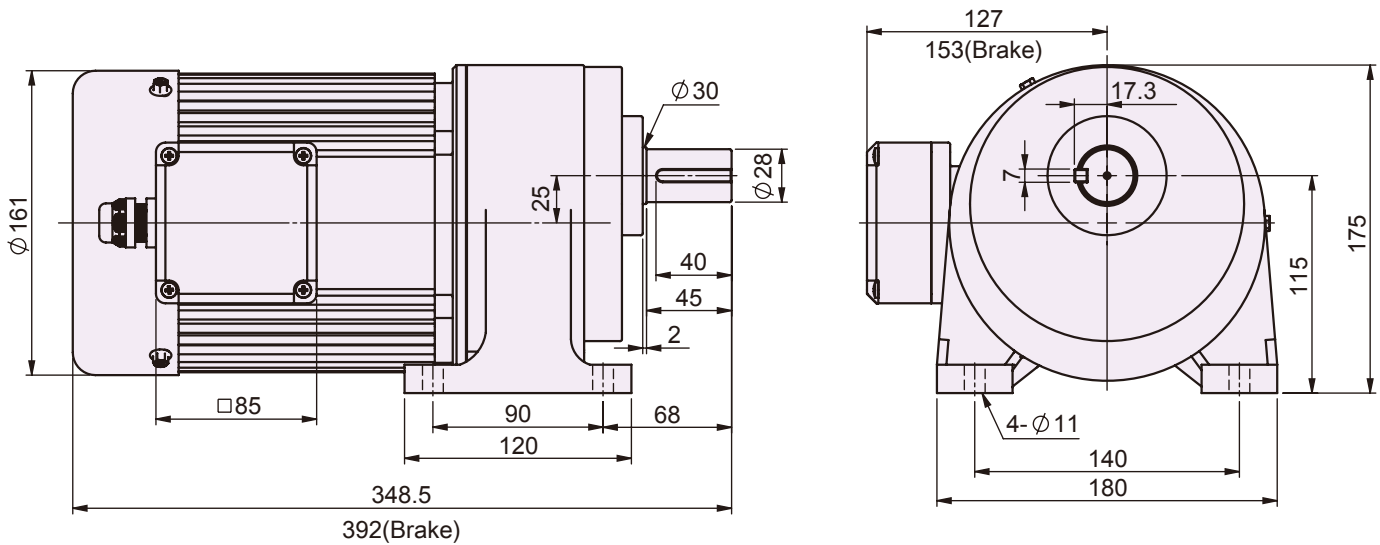
* Applied to the output shaft center.

Products due to human error, natural disasters or other factors lead to poor or damaged, will not be covered under warranty.

G13H-750W

SINGLE/3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)																Full Load Running (rpm)							
	3 Phase								1 Phase															
	220V				380V				110V				220V											
	50HZ		60HZ		50HZ		60HZ		60HZ				60HZ				50HZ		60HZ					
750W	3.2		2.98		1.9		1.71		10.35								5.18				1400		1700	
◎ GEAR MOTOR SPECIFICATION																								
Gear Ratio	3		5		10		15		20		25		30		40		50		60		75		90	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	500	600	300	360	150	180	100	120	75	90	60	72	50	60	37.5	45	30	36	25	30	20	24	16	20
Output Torque (Kg.m)	1.40	1.19	2.34	1.98	4.68	3.96	7.02	5.94	8.32	7.04	10.48	8.80	12.48	10.56	16.64	14.08	20.80	17.60	24.96	21.12	31.20	26.40	37.44	31.68
Permissible Overhung Load* (Kgf)	160	150	190	180	240	220	270	250	300	280	320	300	340	320	370	350	400	380	400	400	400	400	400	400

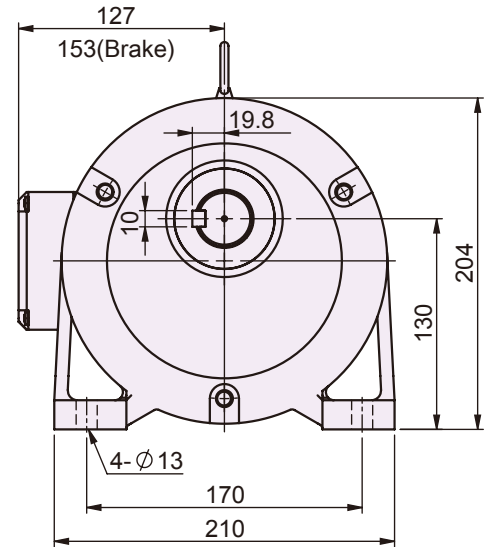
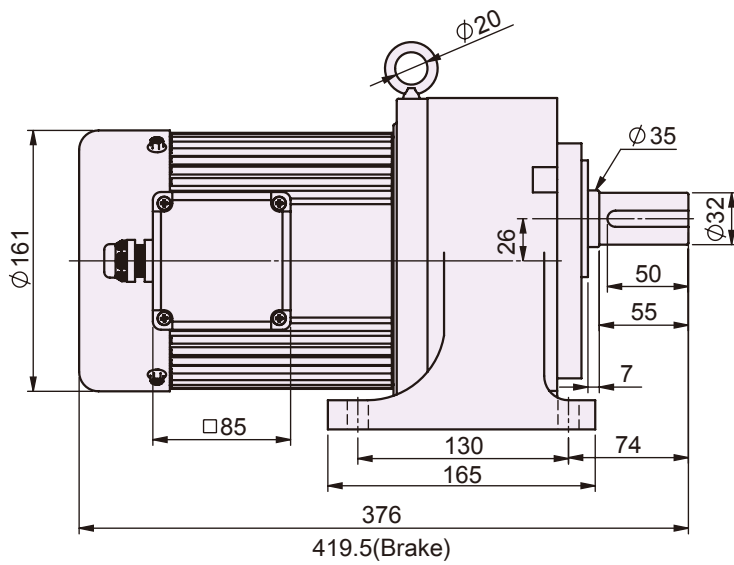
* Applied to the output shaft center.
 * (■) For light loading type.

100W V-Casing Types
 200W V-Casing Types
 400W V-Casing Types
 750W V-Casing Types
 1500W V-Casing Types
 2200W V-Casing Types
 100W Foot-Mount Types
 200W Foot-Mount Types
 400W Foot-Mount Types
 750W Foot-Mount Types
 1500W Foot-Mount Types
 2200W Foot-Mount Types

G14H-750W

SINGLE/3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)																Full Load Running (rpm)					
	3 Phase								1 Phase													
	220V				380V				110V				220V									
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ				
750W	3.2	2.98	1.9	1.71																1400	1700	
⊙ GEAR MOTOR SPECIFICATION																						
Gear Ratio	30		40		50		60		75		80		90		100		120		150		180	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	50	60	37.5	45	30	36	25	30	20	24	19	22.5	16	20	15	18	12.5	15	10	12	8	10
Output Torque (Kg.m)	12.48	10.56	16.64	14.08	20.80	17.60	24.96	21.12	31.20	26.40	33.28	28.16	37.44	31.68	41.60	35.20	49.92	42.24	62.40	52.80	74.88	63.36
Permissible Overhung Load* (Kgf)	390	370	430	410	470	440	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470	470

* Applied to the output shaft center.

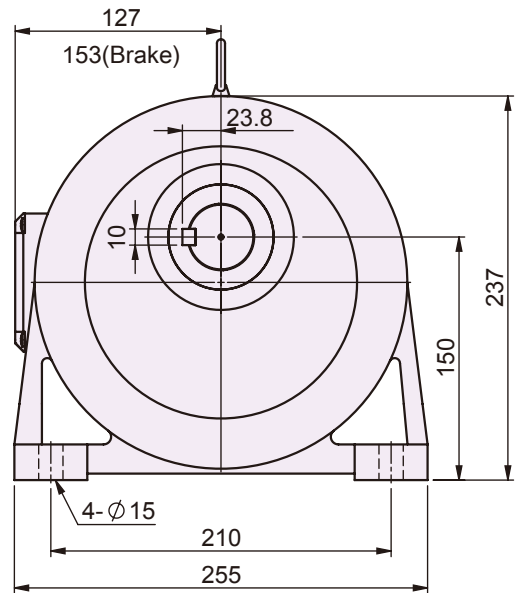
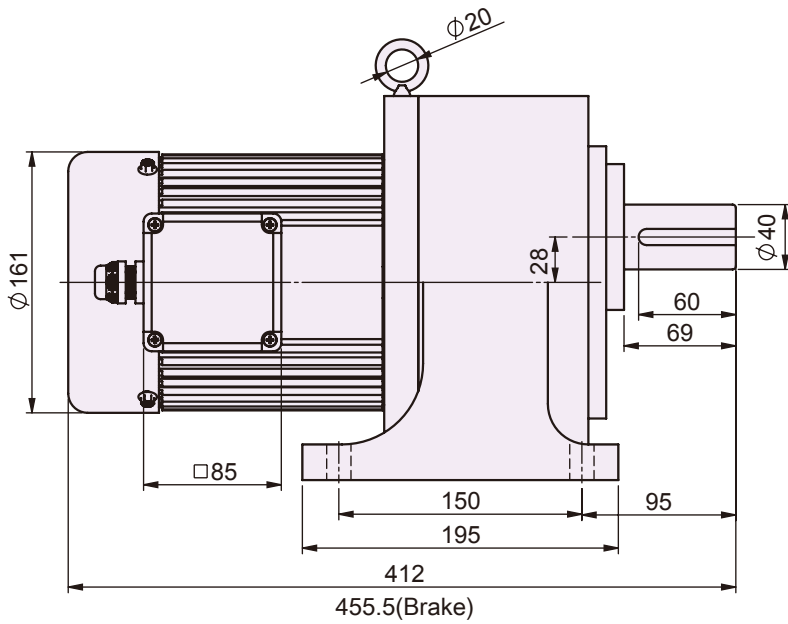
(■) For light loading type.

Products due to human error, natural disasters or other factors lead to poor or damaged, will not be covered under warranty.

G15H-750W

SINGLE/3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)						Full Load Running (rpm)			
	3 Phase				1 Phase					
	220V		380V		110V	220V	50HZ	60HZ		
	50HZ	60HZ	50HZ	60HZ	60HZ	60HZ				
750W	3.2	2.98	1.9	1.71	10.35	5.18	1400	1700		
◎ GEAR MOTOR SPECIFICATION										
Gear Ratio	80		100		120		150		200	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	19	22.5	15	18	12.5	15	10	12	7	9
Output Torque (Kg.m)	33.28	28.16	41.60	35.20	49.92	42.24	62.40	52.80	79.04	66.88
Permissible Overhung Load* (Kgf)	570	570	570	570	570	570	570	570	570	570

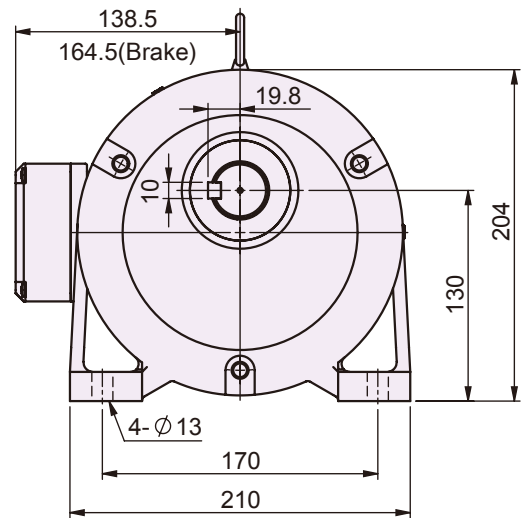
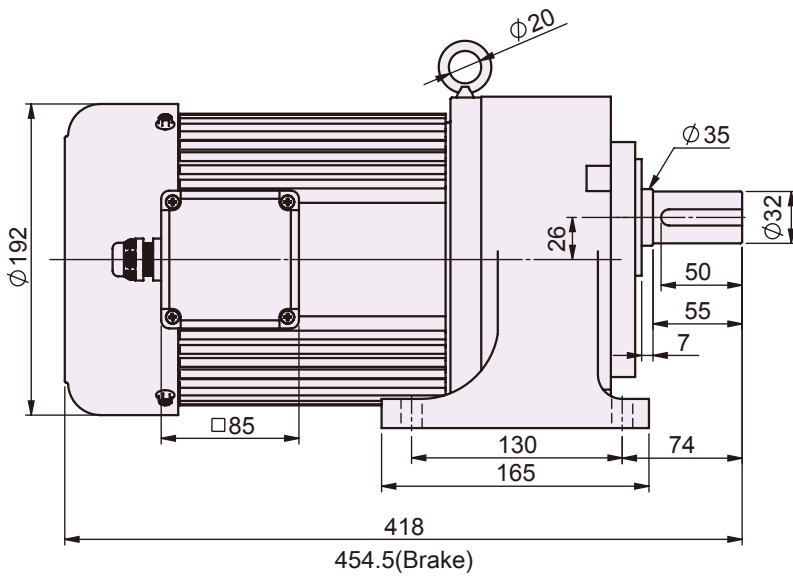
* Applied to the output shaft center.

100W
200W
400W
750W
1500W
2200W
100W
200W
400W
750W
1500W
2200W

G14H-1500W

3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)				Full Load Running (rpm)	
	3 Phase					
	220V		380V			
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
1500W	5.9	5.6	3.4	3.2	1400	1700

⊙ GEAR MOTOR SPECIFICATION

Gear Ratio	3		5		10		15		20		25		30		40		50		60	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	500	600	300	360	150	180	100	120	75	90	60	72	50	60	37.5	45	30	36	25	30
Output Torque (Kg.m)	2.75	2.27	4.59	3.78	9.18	7.57	13.77	11.35	18.36	15.13	20.25	16.69	24.3	20.03	32.4	26.7	40.5	33.38	48.6	40.05
Permissible Overhung Load* (Kgf)	180	170	220	200	270	260	310	290	340	320	370	350	390	370	430	410	470	440	470	470

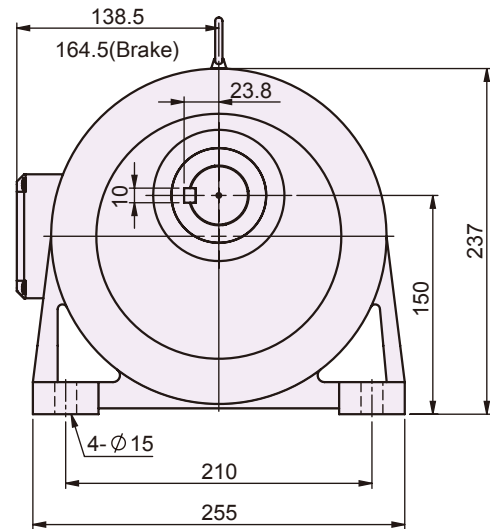
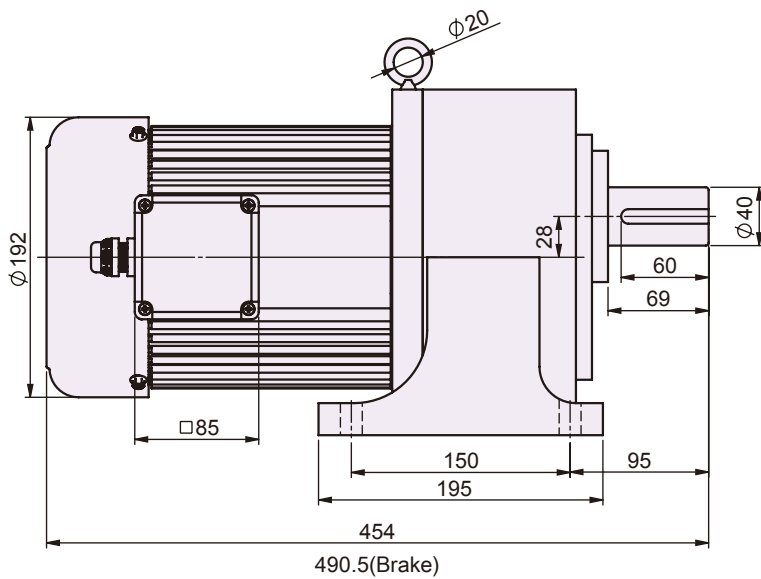
* Applied to the output shaft center.

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G15H-1500W

3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)				Full Load Running (rpm)					
	3 Phase									
	220V		380V							
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ				
1500W	5.9	5.6	3.4	3.2	1400	1700				
⊙ GEAR MOTOR SPECIFICATION										
Gear Ratio	50		60		75		80		90	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	30	36	25	30	20	24	19	22.5	16	20
Output Torque (Kg.m)	40.5	33.38	48.6	40.05	60.75	50.06	72.44	60.37	72.9	60.08
Permissible Overhung Load* (Kgf)	570	530	570	570	570	570	570	570	570	570

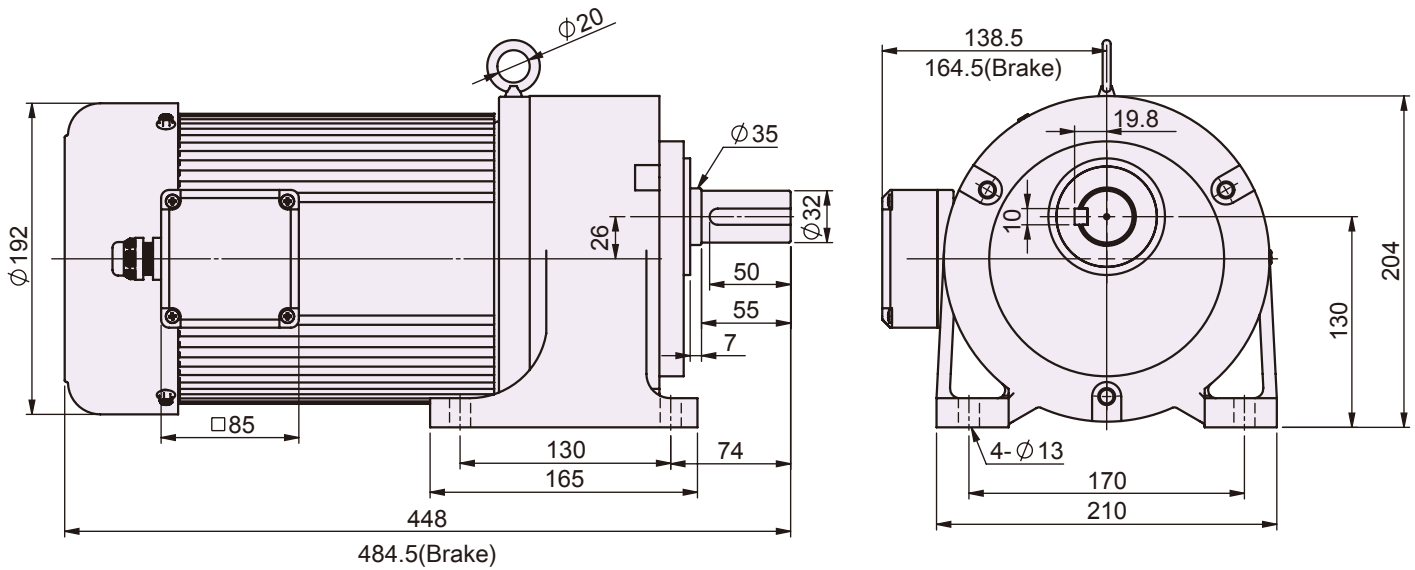
* Applied to the output shaft center.

100W V-Casing Types
200W V-Casing Types
400W V-Casing Types
750W V-Casing Types
1500W V-Casing Types
2200W V-Casing Types
100W Foot-Mount Types
200W Foot-Mount Types
400W Foot-Mount Types
750W Foot-Mount Types
1500W Foot-Mount Types
2200W Foot-Mount Types

G14H-2200W

3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)				Full Load Running (rpm)	
	3 Phase					
	220V		380V			
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
2200W	8.88	8.09	5.09	4.71	1400	1700

⊙ GEAR MOTOR SPECIFICATION

Gear Ratio	3		5		10		15		20		25		30		40	
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ
Output rpm	500	600	300	360	150	180	100	120	75	90	60	72	50	60	37.5	45
Output Torque (Kg.m)	4.05	3.32	6.76	5.53	13.51	11.05	20.27	16.58	27.03	22.10	29.81	24.38	35.78	29.25	47.70	39.00
Permissible Overhung Load* (Kgf)	180	170	220	200	270	260	310	290	340	320	370	350	390	370	430	410

* Applied to the output shaft center.

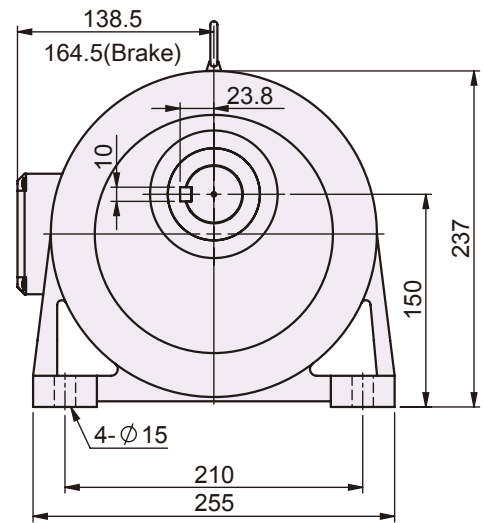
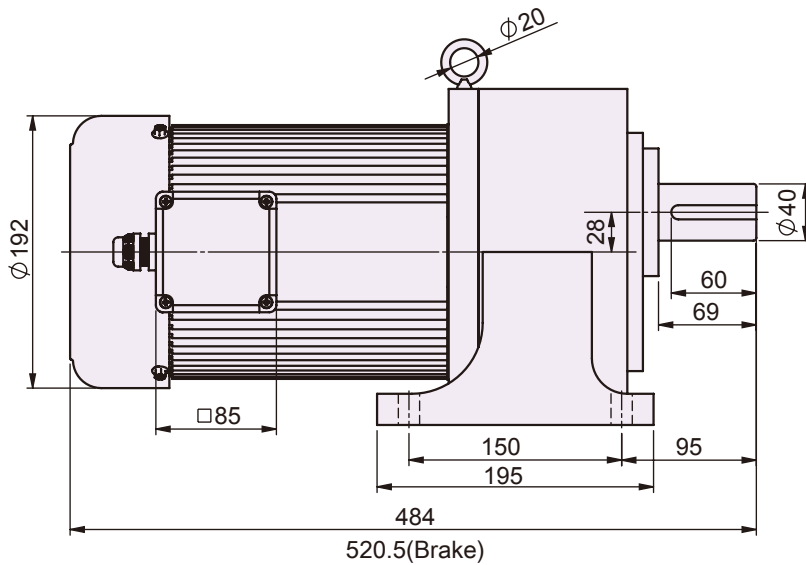
(■) For light loading type.

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G15H-2200W

3-PHASE FOOT-MOUNT TYPE PRECISION GEAR MOTOR

Terminal box position: at 270° for foot - mount type.



KW	Full Load Current (Amp)				Full Load Running (rpm)	
	3 Phase					
	220V		380V		50HZ	60HZ
	50HZ	60HZ	50HZ	60HZ		
2200W	8.88	8.09	5.09	4.71	1400	1700

GEAR MOTOR SPECIFICATION

Gear Ratio	3		5		10		15		20		25		30		40		50		60		75		80		90		
	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	50HZ	60HZ	
Output rpm	500	600	300	360	150	180	100	120	75	90	60	72	50	60	37.5	45	30	36	25	30	20	24	19	22.5	16	20	
Output Torque (Kg.m)	4.05	3.32	6.76	5.53	13.51	11.05	20.27	16.58	27.03	22.1	29.81	24.38	35.78	29.25	47.7	39	50.24	41.62	79.68	66.4	99.61	83	106.25	88.54	119.53	99.61	
Permissible Overhung Load* (Kgf)	220	210	260	250	330	310	380	360	420	390	450	420	480	450	530	490	570	530	570	570	570	570	570	570	570	570	570

* Applied to the output shaft center.
 * (■) For light loading type.

100W V-Casing Types
 200W V-Casing Types
 400W V-Casing Types
 750W V-Casing Types
 1500W V-Casing Types
 2200W V-Casing Types
 100W Foot-Mount Types
 200W Foot-Mount Types
 400W Foot-Mount Types
 750W Foot-Mount Types
 1500W Foot-Mount Types
 2200W Foot-Mount Types



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PRECISION GEAR MOTOR

V-CASING & FOOT-MOUNT TYPES

AGENT



V.3.1