

Overseas standard product Gearmotor

We provide gearmotors that meet the global directive, standards, institutions.

UL Standard Gearmotors

About UL Standards

UL is the abbreviation of "Underwriters Laboratories Inc.", a private testing organization which was established in 1894 by the Association of American Fire Insurance, with the aim to protect human lives and properties from fire, disasters and other accidents. This organization performs testing and certification of all kinds of products, parts and materials. This is the safety standard employed by most of the American states.

Relevant Standards

Number of Phase	UL Standard
1-Phase	UL1004 (Regulations on overall structures of motors) UL2111 (Regulations on overheating protection of motors)
3-Phase	UL1004 (Regulations on overall structures of motors)

* 3-phase motors are only evaluated by structures and not evaluated by the overheating protection test.

UL File No.

1-Phase No. E141674
3-Phase No. E172621

About CSA Standards

In Canada, it is regulated by law that all products must conform to CSA Standards. UL is authorized as a certification organization for CSA Standards, therefore, when a product is certified by CSA Standards, it can also be allowed to display "cUL" mark and used in the domestic Canadian market.

Relevant Standards

Number of Phase	CSA Standards
1-Phase	C22. 2 No.100(Regulations on general matters for motors) C22. 2 No.77 (Regulations on requirements for the motors with overheating protection device)
3-Phase	C22 2 No.100(Regulations on general matters for motors)

Both Nissei's 1 and 3-phase gearmotors are certified by UL and CSA and allowed to display "UL" and "cUL" marks.

CE Marking Gearmotors

About CE Marking

All the machines exported to Europe are required to have "CE Marking". In order to comply with the "CE Marking", products must be in conformity with the EC Directive. For the verification of conformity with the EC Directive, the approval from the EN Standards is a must.

Nissei declares that all the Nissei "CE Marking" products conform to the EC Directive.

Relevant Directives/Standards

EC Directives	Low Voltage Directive 73/23/EEC(Low Voltage Directive)
EN Standards	EN60034-1(Regulations on motors in general)

* "CE" Marking

Nissei affixes the "CE Marking" on the gearmotors which conform to EC Directive (Low Voltage Directive).

China CCC Certified Gearmotor



China: About the CCC marking

In China, on the occasion of joining the WTO, the China Compulsory Certification started operation in August, 2003, unifying all the certification systems existed and obligating to affix the CCC mark to all the items distributed in the domestic China market. Relevant Nissei products to this certification are gearmotors with the capacity of less than 0.75kW with induction motor. Products certified by CCC are regarded as the CE Marking certified products. (Refer to page E70)

In case exporting gearmotors as an independent unit to Mainland China, the CCC certification for the gearmotor itself is needed. However, in case of exporting gearmotor as a component of a machine, only certification of the machine is needed.

3-phase • 1-phase 15W ~ 90W

G•H•F2 Type	UL	CE	CCC
Gearmotor			
Brake Gearmotor			
Water-resistant Gearmotor			x
Water-resistant Brake Gearmotor			x

Note 1) Excluding the L series, GT types



UL

Phase	Capacity	Voltage/Frequency (V) (Hz)
3-phase	15W	200V/50Hz, 200V/60Hz, 220V/60Hz
	90W	208V/60Hz, 230V/60Hz 380V/50Hz, 400V/50Hz, 400V/60Hz, 440V/60Hz 460V/60Hz 480V/60Hz(*)
1-phase	15W	100V/50Hz, 100V/60Hz
	90W	115V/60Hz 120V/60Hz 200V/50Hz, 200V/60Hz 220V/60Hz 230V/60Hz

For marked(*)voltage, some of 15W and 25W is not available. Please contact us for further information.
Blue ink voltage/frequency indicates " X " on the tail. Please contact us about the other voltage.

CE

Phase	Capacity	Voltage/Frequency (V) (Hz)
3-phase	15W	200V/50Hz, 200V/60Hz, 220V/60Hz
	90W	220V/50Hz 230V/50Hz 380V/50Hz, 400V/50Hz, 400V/60Hz, 440V/60Hz 415V/50Hz(*) 420V/50Hz(*) 440V/50Hz(*)
1-phase	15W	100V/50Hz, 100V/60Hz
	90W	200V/50Hz, 200V/60Hz 220V/50Hz 230V/50Hz

For marked(*)voltage, some of 15W and 25W is not available. Please contact us for further information.
Blue ink voltage/frequency indicates " X " on the tail. Please contact us about the other voltage.

CCC

Phase	Capacity	Voltage/Frequency (V) (Hz)
3-phase	15W	200V/50Hz, 200V/60Hz, 220V/60Hz
	90W	220V/50Hz, 230V/50Hz 380V/50Hz, 400V/50Hz, 400V/60Hz, 440V/60Hz
1-phase	15W	100V/50Hz, 100V/60Hz
	90W	200V/50Hz, 200V/60Hz 200V/50Hz, 230V/50Hz

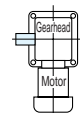
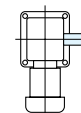
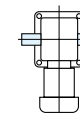
Blue ink voltage/frequency indicates " X " on the tail. Please contact us about the other voltage.
220V/50Hz or 380V/50Hz is usually standard voltage in China.

- Parallel Shaft Performance Table/ Dimension
- Gearmotor with Brake
- Water-resistant Gearmotor with Brake
- Speed Control Gearmotor
- Gearmotor with Clutch /Brake
- GT-Type Gearmotor with Brake
- Right Angle Shaft Performance Table/ Dimension
- Gearmotor with Brake
- With Water-resistant Brake Motor
- Speed Control Gearmotor
- Concentric Hollow Shaft Concentric Solid Shaft Performance Table/ Dimension
- Gearmotor with Brake
- With Water-resistant Brake Motor
- Speed Control Gearmotor
- Parallel Shaft GTR-L Series Performance Table/ Dimension
- Reversible Gearmotor with Brake
- Speed Control Gearmotor with Brake
- Technical Information
- Standard Motors
- Cautions for Safety
- Option

Overseas standard product Gearmotor

GTR MINI SERIES Overseas standard product gearmotor (15W ~ 90W) are classified by codes as shown below. Specify these codes in your inquiry and order.

Type	Frame Number	Shaft Arrangement	Reduction Ratio	Standards	Phase	Classification by Motor Type A	Classification by Motor Type B	Motor Capacity	Voltage Frequency	Terminal Box	Auxiliary Mark	Specification Code
GL	12	N	015	U	T	M	L	15	N	C		
HL	40	L	12X	Y	S	B	Y	90	W	C	X	HZ
F2S	15	N	120	C	T	WB	R	40	N	N		
F2F	18	T	240	C	S	M	R	60	W	T		

Type	GL : G Type(Parallel Shaft)Foot Mount
	GF : G Type(Parallel Shaft)Flange Mount
	GK : G Type(Parallel Shaft)Small Flange Mount
	HL : H Type(Right Angle Shaft)Foot Mount
	HF : H Type(Right Angle Shaft)Flange Mount(Frame No.22 only)
	F2S : MINI F2 Type(Concentric Hollow Shaft)
F2F : MINI F2 Type(Concentric Solid Shaft)	
Frame NO. and Diameter of Output Shaft	Output Shaft Diameter (Hollow Shaft type is the bore and other type is the outside diameter)
Shaft Arrangement HL, HF, F2F only, other than those above type is "N"	L: Output shaft on the left viewing from Input shaft side.  R: Output shaft on the right viewing from Input shaft side.  T: Output shaft on both side 
Reduction Ratio (Reduction Ratio is all triple digits display.)	005 : 1 / 5 ~ 15X : 1 / 1800 (10 010, 1200 12X)
Standards	U : UL Standards(UL, cUL) Y : CE Marking Products C : Products Certified by CCC
Phase	T : 3-phase S : 1-phase
Classification by Motor Type (A) <i>Note:</i> No water-resistant type of CCC certification	M : With Motor B : With Brake Motor WM : With Water-resistant Motor (IP65) (<i>Note 1</i>) WB : With Water-resistant Brake Motor (IP65) (<i>Note 1</i>)
Classification by Motor Type (B) and Capacity (This is classified according to type and frame number.)	L15 : 15W G-12, G-22, H-15, H-22, F2S-12, F2F-15 L25 : 25W G-12, G-22, H-15, H-22, F2S-12, F2F-15 R25 : 25W G-15, G-28, H-28 R40 : 40W G-15, G-28, G-32, H-18, H-28, H-32, F2S-15, F2F-18 Y40 : 40W G-18 R60 : 60W G-15, G-28, G-32, H-18, H-28, H-32, F2S-15, F2F-18 Y60 : 60W G-18 R90 : 90W G-15, G-28, G-32, H-18, H-28, H-32, F2S-15, F2F-18 Y90 : 90W G-18, G-40, H-40
Voltage/Frequency	N : Standard Voltage 3-phase : 200V / 50Hz, 200V / 60Hz, 220V / 60Hz 1-phase : 100V / 50Hz, 100V / 60Hz W : High Voltage 3-phase : 380V / 50Hz, 400V / 50Hz, 400V / 60Hz, 440V / 60Hz 1-phase : 200V / 50Hz, 200V / 60Hz
Terminal Box <i>Note2:</i> The spec is different each standards, Please make sure to read "The spec of overseas standard product" and confirm.	UL : C : C type Terminal Box No terminal block manufactured by resin. A : A type Terminal Box No terminal block manufactured by aluminum. N : No Terminal Box(lead wire disassemble water-resistant cab tire cable) CE : T : T type Terminal Box CCC : K : K type Terminal Box C : C type Terminal Box, Rectifier built in Terminal Box N : No Terminal Box(lead wire disassemble water-resistant cab tire cable)
Auxiliary Code	Blank : Standard Specs X : Mark for Additional Specs
Specification Code <i>Note3:</i> Spec Code does not appear on the product type designation in the nameplate. It is indicated on the additional number column in the nameplate.	Instruction for terminal box lead wire position. Refer to the specification code list on P.E54.

Some have different frame numbers than domestic standard products. Refer to the standard motor type composition table on page E98 to page E101 for details. Accreditation for the various safety standards is received for the motor models. [E.g.] GL12N015-UTML15NC Registered model UTML15NC For adapting from domestic models refer to the transformation table on page E91.

Domestic model and Overseas standard product model.

Format of international standard supporting products

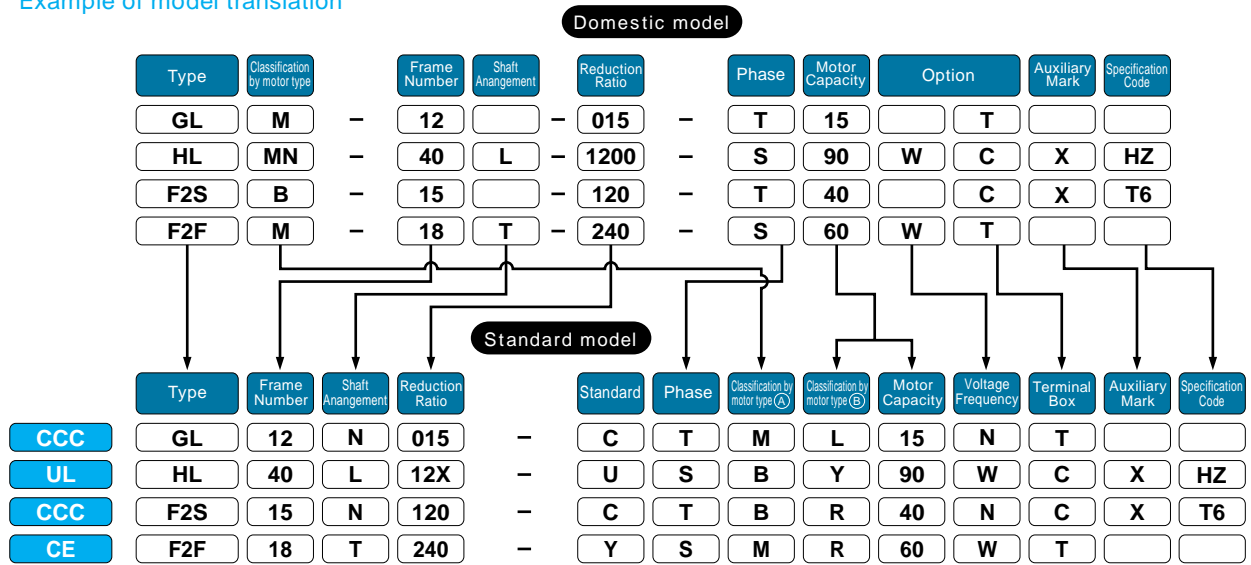
International standard supporting product formats are different than domestic standard specifications so when ordering it is necessary to indicate the international standard supporting product format. First select the domestic specification product from this catalog with equivalent specifications (volume, reduction ratio, motor category, etc.) and change the format to an international standard supporting product format using the diagram below as a reference. Dimensions, properties and so on are the same as domestic specification products but some models have different frame numbers (output axle diameter) and do not match the dimensions of domestic specification products. See page E93 for applicable models.

Main precautions regarding format changes

The reducer and motor are expressed with different formats.

The reduction ratio is expressed differently, all expressions using three digits. [Examples] 5 005, 1200 12x

Example of model translation







Motor Nameplate




UL




CE

CCC

The CE mark is included. Also, separate from the nameplate, the  seal is attached.

 		
F2S15N010-UTMR-40NC		
PH:3 INDUCTION MOTOR ~40W 4P RAT10 10:1 200V 50Hz 0.28A 1320rpm 200V 60Hz 0.26A 1540rpm 220V 60Hz 0.27A 1590rpm		
IP20 Ins.A S1 CONT. DT-90 MFG NO.12345678901	M 2008 NISSEI CORP.	

 		
F2S15N010-YTMR-40NT		
PH:3 INDUCTION MOTOR CE ~40W 4P RAT10 10:1 200V 50Hz 0.28A 1320rpm 0.58P.F. 200V 60Hz 0.26A 1540rpm 0.68P.F. 220V 60Hz 0.27A 1590rpm 0.64P.F.		
IP20 Ins.120 S1 CONT. DT-90 MFG NO.12345678901	EN60034-1 M 2008 NISSEI CORP.	

 		
F2S15N010-CTMR-40NT		
PH:3 INDUCTION MOTOR CE ~40W 4P RAT10 10:1 200V 50Hz 0.28A 1320rpm 0.58P.F. 200V 60Hz 0.26A 1540rpm 0.68P.F. 220V 60Hz 0.27A 1590rpm 0.64P.F.		
IP20 Ins.E S1 CONT. DT-90 MFG NO.12345678901	EN60034-1 M 2008 NISSEI CORP.	

Parallel Shaft Performance Table/ Dimension

Gearmotor with Brake

Water-resistant Gearmotor with Brake

Speed Control Gearmotor

Gearmotor with Clutch /Brake

GT-Type Gearmotor with Brake

Right Angle Shaft Performance Table/ Dimension

Gearmotor with Brake

With Water-resistant Brake Motor

Speed Control Gearmotor

Concentric Hollow Shaft Performance Table/ Dimension

Gearmotor with Brake

With Water-resistant Brake Motor

Speed Control Gearmotor

Parallel Shaft GTR-L Series Performance Table/ Dimension

Reversible Gearmotor with Brake

Speed Control Gearmotor with Brake

Technical Information

Standard Motors

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Specifications of standard Motor

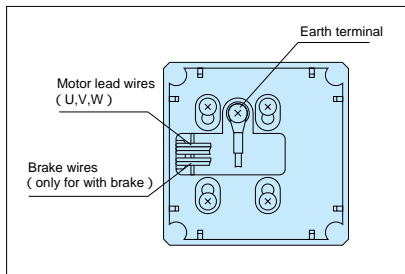
UL Terminal Box for UL standard

For indoor

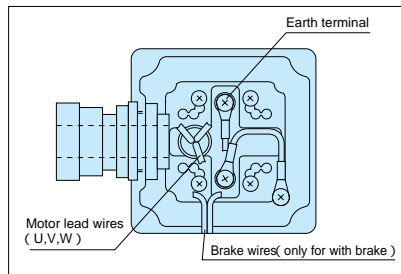
Capacity	Specification	Flying Lead	Terminal Box Type	
			C-BOX	A-BOX
15W ~ 90W	without brake			
	with brake			

- Note1**) C type terminal box is made of plastic, and A type is made of aluminium. If you need terminal box, please choose Cor A
2) No terminal for C type and A type. For with brake, brake lead wires are employed inside of terminal box .
3) For more than 220V, 200V terminal(red wire) is taken separately.
4) Water-resistant type is same as domestic standard fire cable.

C type Terminal Box (plastic)
3-phase/1-phase 15W ~ 90W



A type Terminal Box(Aluminium)
3-phase/1-phase 15W ~ 90W



CE CCC Terminal Box for CCC standard

Capacity	Specification	Flying Lead	Terminal Box Type		
			T-Box	K-Box	C-Box
15W ~ 90W	without brake				×
	with brake				

- Note1**) Flying lead and with terminal box is same as Japanese domestic standard. Please refer to MINI SERIES catalog P.E31, P.E40 ~ P.E43 for further information.
2) For more than 220V, 200V terminal (Red wire) is taken separately.
3) Water-resistant type is same as domestic standard tire cable.
4) Voltage 400V class is not available for flying lead.

Parallel Shaft Performance Table/ Dimension

Gearmotor with Brake

Water-resistant Gearmotor with Brake

Speed Control Gearmotor

Gearmotor with Clutch /Brake

GT-Type Gearmotor with Brake

Right Angle Shaft Performance Table/ Dimension

Gearmotor with Brake

With Water-resistant Brake Motor

Speed Control Gearmotor

Concentric Hollow Shaft Concentric Solid Shaft Performance Table/ Dimension

Gearmotor with Brake

With Water-resistant Brake Motor

Speed Control Gearmotor

Parallel Shaft GTR-L Series Performance Table/ Dimension

Reversible Gearmotor with Brake

Speed Control Gearmotor with Brake

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Mini Gearmotors : products with frame numbers (output axle diameter) that differ from domestic specifications

Be aware that small gearmotor products to which the following information applies have different frame numbers (output axle diameter and mounting dimensions) than domestic specifications.

Model	Motor designation and capacity	Ratio	Japanese domestic frame size	Standard frame size
G	T40, T40W, S40, S40W	5, 7.5, 10, 15, 20, 25, 30, 40, 50, 60	12	15
		300, 375, 450	22	28
	T60	5, 7.5, 10, 15, 20, 25, 30	12	15
		300, 375, 450	22	28
	T60W, S60W	300, 375, 450	22	28
H	T40, T40W, S40, S40W	10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	15	18
		300, 375, 450	22	28
	T60	10, 15, 20, 25, 30, 40, 50, 60	15	18
		300, 375, 450	22	28
	T60W, S60W	300, 375, 450	22	28
F2S	T40, T40W, S40, S40W	10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	12	15
	T60	10, 15, 20, 25, 30, 40, 50, 60	12	15
F2F	T40, T40W, S40, S40W	10, 15, 20, 25, 30, 40, 50, 60, 80, 100, 120	15	18
	T60	10, 15, 20, 25, 30, 40, 50, 60	15	18

Note 1) Frame size means bore diameter of output shaft for F2S type and external diameter for the other type.

2) Refer to the standard gearmotor table on pages E98 to E101. Please contact your nearest Nissei sales office or CS center if you require any clarification.

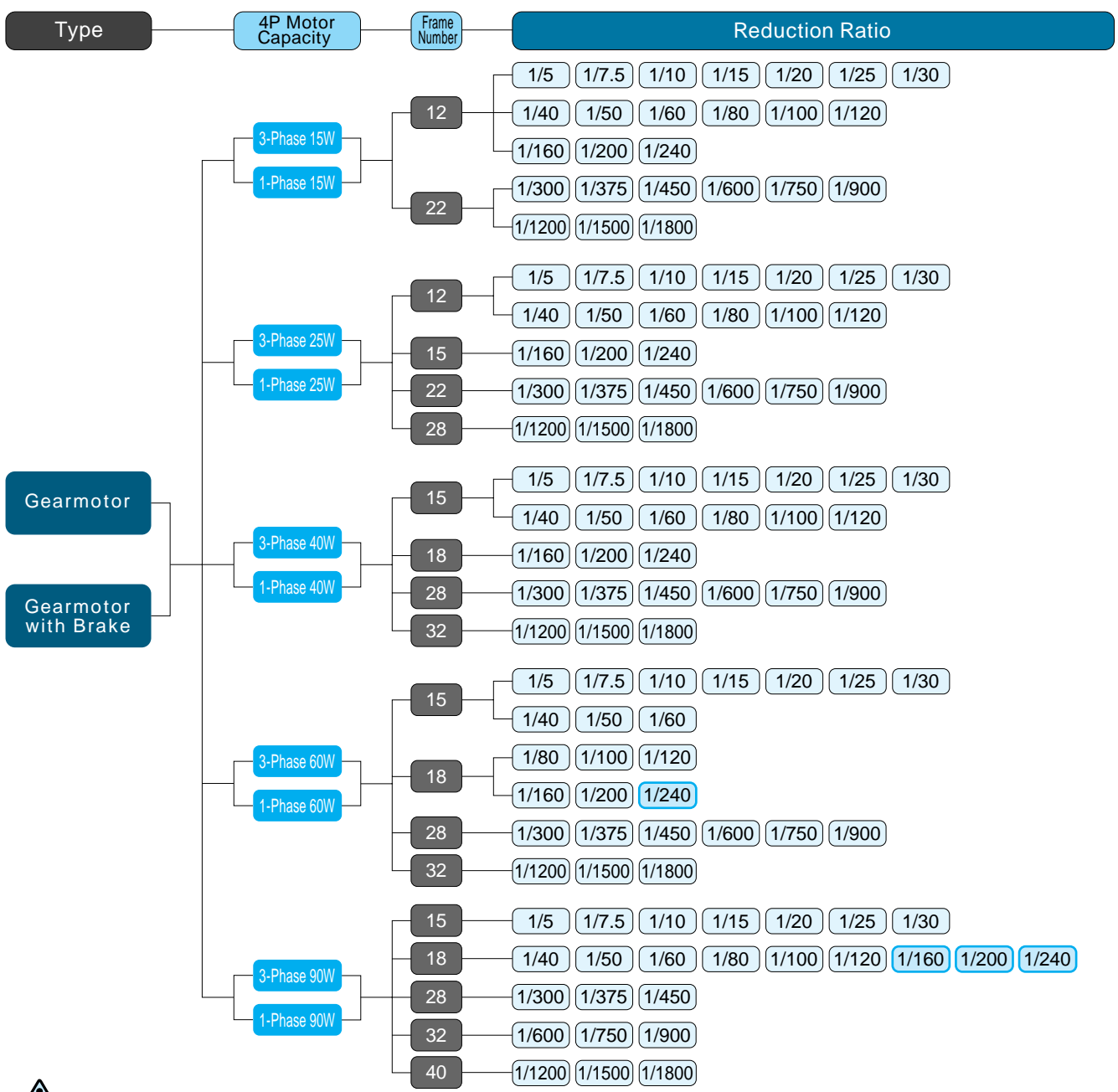
- Parallel Shaft Performance Table/ Dimension
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 - Speed Control Gearmotor
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Standard Motor Model Lineup

G-Type



- Parallel Shaft Performance Table/ Dimension
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- Gearmotor with Clutch /Brake
- GT-Type Gearmotor with Brake
- Right Angle Shaft Performance Table/ Dimension
- Gearmotor with Brake
- With Water-resistant Brake Motor
- Speed Control Gearmotor
- Concentric Hollow Shaft Performance Table/ Dimension
- Gearmotor with Brake
- With Water-resistant Brake Motor
- Speed Control Gearmotor
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- Speed Control Gearmotor with Brake
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Note 1) In G-Type, 3 different mountings are available, namely, foot mount, flange mount and small flange mount in the frame number 22 ~ 32.
 2) 1/240 The models enclosed with orange color bold line are low torque type. Special care should be given to the allowable torque in the performance table.

Corresponding Models for Standard Motor

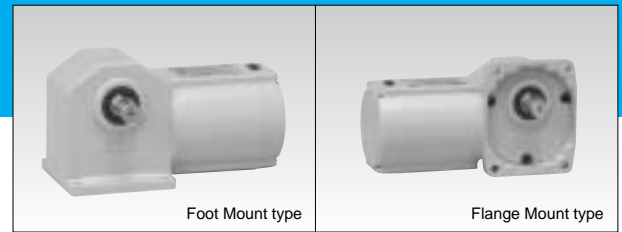
- UL Standard Gearmotor (GTR-U)
- CE Marking Gearmotor
- China CCC Certified Gearmotor

Type Code

As a registered product of UL Standard, the code "U" will be put at the head of type designation.
 Example) UGLM-15-10-T40
 For CE Marking Gearmotors, there is no cord for registered product. Specify as "CE Marking Motor" in your order.
 For China CCC Certified Gearmotors, refer to P. E94.

Standard Motor Model Lineup

H-Type



Type	4P Motor Capacity	Frame Number	Output Shaft Arrangement	Reduction Ratio							
Gearmotor	3-Phase 15W	15	L	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
			R	1/80	1/100	1/120	1/160	1/200	1/240		
			T								
		22	L	1/300	1/375	1/450	1/600	1/750	1/900		
			R	1/1200	1/1500	1/1800					
			T								
	1-Phase 15W	15	L	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
			R	1/80	1/100	1/120	1/160	1/200	1/240		
			T								
		22	L	1/300	1/375	1/450	1/600	1/750	1/900		
			R	1/1200	1/1500	1/1800					
			T								
Gearmotor with Brake	3-Phase 25W	15	L	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
			R	1/80	1/100	1/120	1/160	1/200	1/240		
			T								
		22	L	1/300	1/375	1/450	1/600	1/750	1/900		
			R	1/1200	1/1500	1/1800					
			T								
	1-Phase 25W	15	L	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
			R	1/80	1/100	1/120	1/160	1/200	1/240		
			T								
		22	L	1/300	1/375	1/450	1/600	1/750	1/900		
			R	1/1200	1/1500	1/1800					
			T								
3-Phase 40W	18	L	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
		R	1/80	1/100	1/120	1/160	1/200	1/240			
		T									
	28	L	1/300	1/375	1/450	1/600	1/750	1/900			
		R	1/1200	1/1500	1/1800						
		T									
1-Phase 40W	18	L	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
		R	1/80	1/100	1/120	1/160	1/200	1/240			
		T									
	28	L	1/300	1/375	1/450	1/600	1/750	1/900			
		R	1/1200	1/1500	1/1800						
		T									
Gearmotor with Brake	3-Phase 60W	18	L	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
			R	1/80	1/100	1/120	1/160	1/200	1/240		
			T								
		28	L	1/300	1/375	1/450	1/600	1/750	1/900		
			R	1/1200	1/1500	1/1800					
			T								
	1-Phase 60W	18	L	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
			R	1/80	1/100	1/120	1/160	1/200	1/240		
			T								
		28	L	1/300	1/375	1/450	1/600	1/750	1/900		
			R	1/1200	1/1500	1/1800					
			T								
3-Phase 90W	18	L	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60	
		R	1/80	1/100	1/120	1/160	1/200	1/240			
		T									
	28	L	1/300	1/375	1/450						
		R	1/1200	1/1500	1/1800						
		T									
1-Phase 90W	32	L	1/600	1/750	1/900						
		R	1/1200	1/1500	1/1800						
		T									
	40	L	1/1200	1/1500	1/1800						
		R									
		T									

Parallel Shaft Performance Table/ Dimension
Gearmotor with Brake
Water-resistant Gearmotor with Brake
Speed Control Gearmotor
Gearmotor with Clutch / Brake
GT-Type Gearmotor with Brake
Right Angle Shaft Performance Table/ Dimension
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Parallel Shaft GTR-L Series Performance Table/ Dimension
Reversible Gearmotor with Brake
Speed Control Gearmotor with Brake
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Note 1) The models large mount type are available in the frame number 15, 18 and 22. (Not available in the frame number 28, 32, and 40.)
 2) The models enclosed with orange color bold line are low torque type. Special care should be given to the allowable torque in the performance table.

Corresponding Models for Standard Motor

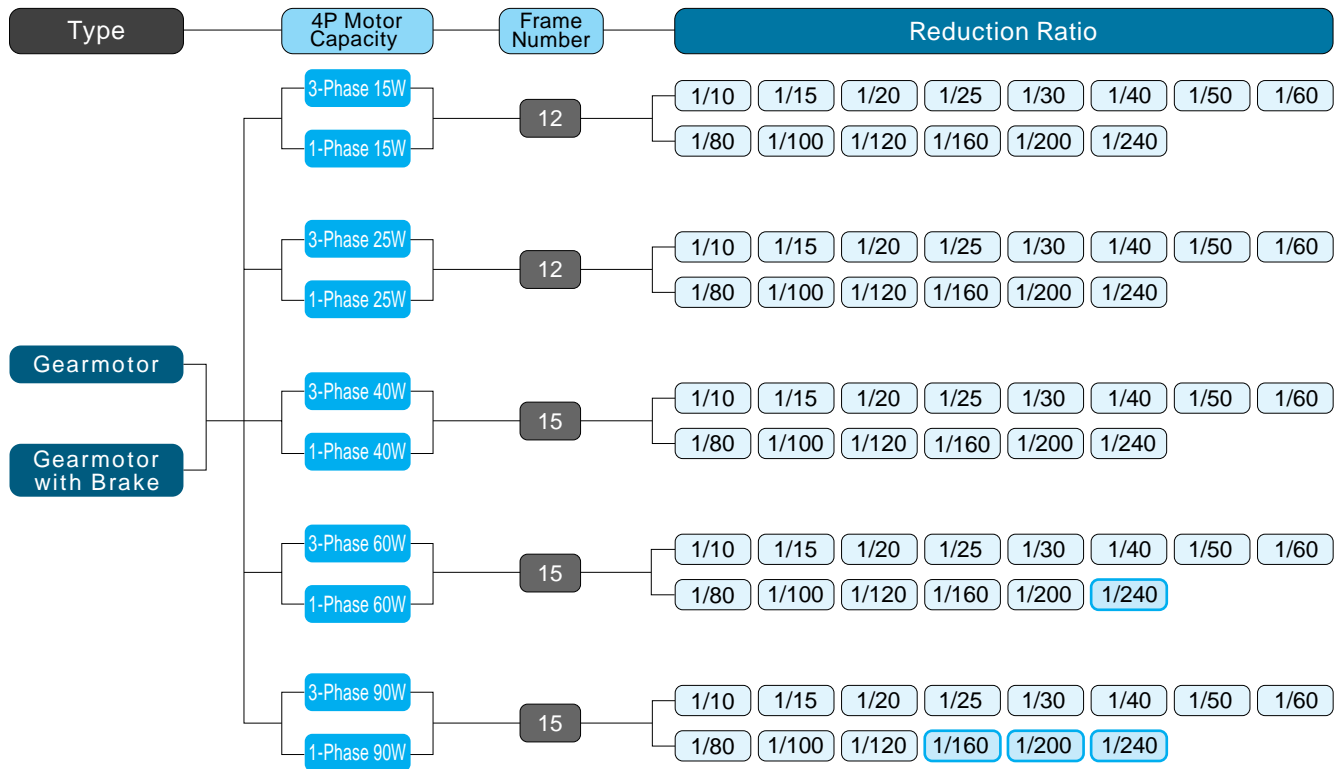
UL Standard Gearmotor (GTR-U)
 CE Marking Gearmotor
 China CCC Certified Gearmotor

Type Code

As a registered product of UL Standard, the code "U" will be put at the head of type designation. Example) UHLM-18L-10-T40
 For CE Marking Gearmotors, there is no cord for registered product. Specify as "CE Marking Motor" in your order.
 For China CCC Certified Gearmotors, refer to P. E94.

Standard Motor Model Lineup

F2 Type F2S [Concentric Hollow Shaft]



Note 1) The models enclosed with orange color bold line are low torque type. Special care should be given to the allowable torque in the performance table.

Corresponding Models for Standard Motor

- UL Standard Gearmotor (GTR-U)
- CE Marking Gearmotor
- China CCC Certified Gearmotor

Type Code

As a registered product of UL Standard, the code "U" will be put at the head of type designation.
 Example) UF2SM-15-10-T40
 For CE Marking Gearmotors, there is no cord for registered product. Specify as "CE Marking Motor" in your order.
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- Water-resistant Gearmotor with Brake
- Speed Control Gearmotor
- Gearmotor with Clutch/Brake
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- Speed Control Gearmotor with Brake
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Standard Motor Model Lineup

F2 Type F2F [Concentric Solid Shaft]



Type	4P Motor Capacity	Frame Number	Output Shaft Arrangement	Reduction Ratio							
Gearmotor Gearmotor with Brake	3-Phase 15W	15	L	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
	1-Phase 15W		T	1/80	1/100	1/120	1/160	1/200	1/240		
	3-Phase 25W	15	L	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
	1-Phase 25W		T	1/80	1/100	1/120	1/160	1/200	1/240		
	3-Phase 40W	18	L	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
	1-Phase 40W		T	1/80	1/100	1/120	1/160	1/200	1/240		
	3-Phase 60W	18	L	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
	1-Phase 60W		T	1/80	1/100	1/120	1/160	1/200	1/240		
	3-Phase 90W	18	L	1/10	1/15	1/20	1/25	1/30	1/40	1/50	1/60
	1-Phase 90W		T	1/80	1/100	1/120	1/160	1/200	1/240		



Note 1) The models enclosed with orange color bold line are low torque type. Special care should be given to the allowable torque in the performance table.

Corresponding Models for Standard Motor

- UL Standard Gearmotor (GTR-U)
- CE Marking Gearmotor
- China CCC Certified Gearmotor

Type Code

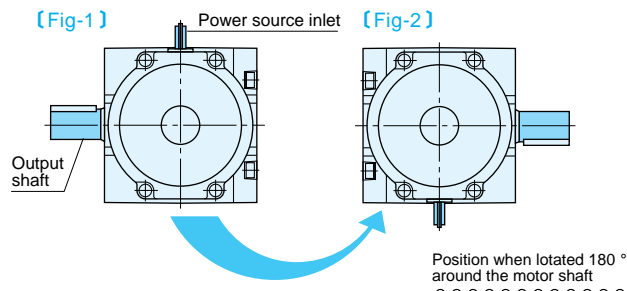
As a registered product of UL Standard, the code "U" will be put at the head of type designation.
 Example) UF2FM-18L-10-T40
 For CE Marking Gearmotors, there is no cord for registered product. Specify as "CE Marking Motor" in your order.
 For China CCC Certified Gearmotors, refer to P. E94.

Shaft arrangement for F2F (solid shaft)

The L-shaft of F2F (solid shaft) is as seen in the "Fig-1". Since the F2 Type is the flange mount type of both side, the output shaft can be arranged to the right side as seen in the "Fig-2", by rotating it 180° around the motor shaft. In this case the power source inlet will be located on the underside. If you need the power source inlet to be on the upper side, modify the inlet position to the underside in advance at the stage of the "Fig-1", then rotate the shaft 180° in such case, indicate 「T6」 when you order. Same method can be applied to the product with terminal box. For more details of modifying the power source inlet, refer to P. E54.

Figure viewed from motor-side

In case the output shaft is L-shaft type and the power source inlet locates on the upper side viewing from motor side, the output shaft will be on the left side.



Parallel Shaft Performance Table/ Dimension

Gearmotor with Brake

Water-resistant Gearmotor with Brake

Speed Control Gearmotor

Gearmotor with Clutch/ Brake

GT-Type Gearmotor with Brake

Right Angle Shaft Performance Table/ Dimension

Gearmotor with Brake

With Water-resistant Brake Motor

Speed Control Gearmotor

Concentric Hollow Shaft Performance Table/ Dimension

Gearmotor with Brake

With Water-resistant Brake Motor

Speed Control Gearmotor

Parallel Shaft GTR-L Series Performance Table/ Dimension

Reversible Gearmotor with Brake

Speed Control Gearmotor with Brake

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Standard Motor Specifications

G-Type 3-Phase Standard Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)
15	T15	200/200/220	50/60/60	12	0.13/0.13/0.13	1350/1550/1610	0.30/0.29/0.27
				22	0.13/0.13/0.13	1350/1550/1610	0.30/0.29/0.27
25	T25	200/200/220	50/60/60	12	0.18/0.18/0.19	1320/1520/1590	0.44/0.42/0.46
				15	0.17/0.17/0.17	1310/1520/1580	0.42/0.40/0.42
				22	0.18/0.18/0.19	1320/1520/1590	0.44/0.42/0.46
40	T40	200/200/220	50/60/60	28	0.17/0.17/0.17	1310/1520/1580	0.42/0.40/0.42
				15	0.28/0.26/0.27	1320/1540/1590	0.64/0.61/0.75
				18	0.20/0.21/0.21	1370/1590/1640	0.68/0.64/0.71
				28	0.28/0.26/0.27	1320/1540/1590	0.64/0.61/0.75
60	T60	200/200/220	50/60/60	32	0.28/0.26/0.27	1320/1540/1590	0.64/0.61/0.75
				15	0.36/0.35/0.36	1300/1520/1570	1.04/0.97/1.07
				18	0.30/0.32/0.31	1370/1620/1650	1.10/1.03/1.14
				28	0.36/0.35/0.36	1300/1520/1570	1.04/0.97/1.07
90	T90	200/200/220	50/60/60	32	0.36/0.35/0.36	1300/1520/1570	1.04/0.97/1.07
				15	0.49/0.50/0.50	1300/1500/1550	1.25/1.33/1.38
				18	0.44/0.46/0.44	1360/1580/1630	1.59/1.50/1.66
				28	0.49/0.50/0.50	1300/1500/1550	1.25/1.33/1.38
				32	0.49/0.50/0.50	1300/1500/1550	1.25/1.33/1.38
				40	0.44/0.46/0.44	1360/1580/1630	1.59/1.50/1.66

G-Type 3-Phase Double Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)
15	T15W	380/400/400/440	50/50/60/60	12	0.11/0.12/0.10/0.11	1400/1400/1700/1700	0.27/0.29/0.27/0.30
				22	0.11/0.12/0.10/0.11	1400/1400/1700/1700	0.27/0.29/0.27/0.30
25	T25W	380/400/400/440	50/50/60/60	12	0.11/0.12/0.11/0.12	1350/1400/1600/1650	0.27/0.28/0.26/0.29
				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	0.27/0.28/0.26/0.29
				28	0.09/0.09/0.09/0.09	1300/1350/1550/1600	0.20/0.21/0.20/0.22
40	T40W	380/400/400/440	50/50/60/60	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	0.32/0.34/0.32/0.35
				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	T60W	380/400/400/440	50/50/60/60	15	0.17/0.17/0.17/0.17	1300/1350/1550/1600	0.43/0.46/0.43/0.47
				18	0.16/0.16/0.16/0.16	1350/1400/1600/1650	0.48/0.51/0.49/0.54
				28	0.17/0.17/0.17/0.17	1300/1350/1550/1600	0.43/0.46/0.43/0.47
				32	0.17/0.17/0.17/0.17	1300/1350/1550/1600	0.43/0.46/0.43/0.47
90	T90W	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

G-Type 1-Phase Standard Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)	Capacitor (μF)
15	S15	100/100	50/60	12	0.35/0.33	1390/1680	0.73/0.66	5
				22	0.35/0.33	1390/1680	0.73/0.66	5
25	S25	100/100	50/60	12	0.45/0.48	1350/1630	0.86/0.79	7
				15	0.45/0.45	1370/1640	1.01/0.93	7
				22	0.45/0.48	1350/1630	0.86/0.79	7
40	S40	100/100	50/60	28	0.45/0.45	1370/1640	1.01/0.93	7
				15	0.61/0.66	1380/1630	1.47/1.34	10
				18	0.62/0.65	1440/1720	2.18/2.00	10
60	S60	100/100	50/60	28	0.61/0.66	1380/1630	1.47/1.34	10
				32	0.61/0.66	1380/1630	1.47/1.34	10
				15	0.90/1.00	1380/1650	2.13/1.95	15
90	S90	100/100	50/60	18	0.85/1.00	1430/1700	2.60/2.41	15
				28	0.90/1.00	1380/1650	2.13/1.95	15
				32	0.90/1.00	1380/1650	2.13/1.95	15
90	S90	100/100	50/60	15	1.30/1.40	1350/1600	2.90/2.70	20
				18	1.20/1.40	1400/1680	3.32/3.10	20
				28	1.30/1.40	1350/1600	2.90/2.70	20
				32	1.30/1.40	1350/1600	2.90/2.70	20
				40	1.20/1.40	1400/1680	3.32/3.10	20

G-Type 1-Phase Double Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)	Capacitor (μF)
15	S15W	200/200	50/60	12	0.18/0.17	1360/1620	0.35/0.32	1.0
				22	0.18/0.17	1360/1620	0.35/0.32	1.0
25	S25W	200/200	50/60	12	0.24/0.23	1340/1600	0.48/0.44	1.5
				15	0.23/0.23	1340/1600	0.49/0.44	1.5
				22	0.24/0.23	1340/1600	0.48/0.44	1.5
40	S40W	200/200	50/60	28	0.23/0.23	1340/1600	0.49/0.44	1.5
				15	0.29/0.34	1340/1610	0.64/0.61	2.5
				18	0.31/0.34	1430/1700	1.01/0.92	2.5
60	S60W	200/200	50/60	28	0.29/0.34	1340/1610	0.64/0.61	2.5
				32	0.29/0.34	1340/1610	0.64/0.61	2.5
				15	0.42/0.47	1370/1640	1.07/0.98	3.5
90	S90W	200/200	50/60	18	0.42/0.48	1420/1690	1.34/1.25	3.5
				28	0.42/0.47	1370/1640	1.07/0.98	3.5
				32	0.42/0.47	1370/1640	1.07/0.98	3.5
90	S90W	200/200	50/60	15	0.62/0.67	1340/1600	1.46/1.36	5
				18	0.62/0.69	1400/1680	1.72/1.57	5
				28	0.62/0.67	1340/1600	1.46/1.36	5
				32	0.62/0.67	1340/1600	1.46/1.36	5
				40	0.62/0.69	1400/1680	1.72/1.57	5

Parallel Shaft Performance Table/ Dimension

Gearmotor with Brake

Water-resistant Gearmotor with Brake

Speed Control Gearmotor

Gearmotor with Clutch /Brake

GT-Type Gearmotor with Brake

Right Angle Shaft Performance Table/ Dimension

Gearmotor with Brake

With Water-resistant Brake Motor

Speed Control Gearmotor

Concentric Hollow Shaft Performance Table/ Dimension

Gearmotor with Brake

With Water-resistant Brake Motor

Speed Control Gearmotor

Parallel Shaft GTR-L Series Performance Table/ Dimension

Reversible Gearmotor with Brake

Speed Control Gearmotor with Brake

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Standard Motor Specifications

H-Type 3-Phase Standard Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)
15	T15	200/200/220	50/60/60	15	0.13/0.13/0.13	1350/1550/1610	0.30/0.29/0.27
				22	0.13/0.13/0.13	1350/1550/1610	0.30/0.29/0.27
25	T25	200/200/220	50/60/60	15	0.18/0.18/0.19	1320/1520/1590	0.44/0.42/0.46
				22	0.18/0.18/0.19	1320/1520/1590	0.44/0.42/0.46
				28	0.17/0.17/0.17	1310/1520/1580	0.42/0.40/0.42
40	T40	200/200/220	50/60/60	18	0.28/0.26/0.27	1320/1540/1590	0.64/0.61/0.75
				28	0.28/0.26/0.27	1320/1540/1590	0.64/0.61/0.75
				32	0.28/0.26/0.27	1320/1540/1590	0.64/0.61/0.75
60	T60	200/200/220	50/60/60	18	0.36/0.35/0.36	1300/1520/1570	1.04/0.97/1.07
				28	0.36/0.35/0.36	1300/1520/1570	1.04/0.97/1.07
				32	0.36/0.35/0.36	1300/1520/1570	1.04/0.97/1.07
90	T90	200/200/220	50/60/60	18	0.49/0.50/0.50	1300/1500/1550	1.25/1.33/1.38
				28	0.49/0.50/0.50	1300/1500/1550	1.25/1.33/1.38
				32	0.49/0.50/0.50	1300/1500/1550	1.25/1.33/1.38
				40	0.44/0.46/0.44	1360/1580/1630	1.59/1.50/1.66

H-Type 3-Phase Double Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)
15	T15W	380/400/400/440	50/50/60/60	15	0.11/0.12/0.10/0.11	1400/1400/1700/1700	0.27/0.29/0.27/0.30
				22	0.11/0.12/0.10/0.11	1400/1400/1700/1700	0.27/0.29/0.27/0.30
25	T25W	380/400/400/440	50/50/60/60	15	0.11/0.12/0.11/0.12	1350/1400/1600/1650	0.27/0.28/0.26/0.29
				22	0.11/0.12/0.11/0.12	1350/1400/1600/1650	0.27/0.28/0.26/0.29
				28	0.09/0.09/0.09/0.09	1300/1350/1550/1600	0.20/0.21/0.20/0.22
40	T40W	380/400/400/440	50/50/60/60	18	0.13/0.14/0.13/0.14	1300/1350/1550/1600	0.33/0.35/0.33/0.37
				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	T60W	380/400/400/440	50/50/60/60	18	0.17/0.17/0.17/0.17	1300/1350/1550/1600	0.43/0.46/0.43/0.47
				28	0.17/0.17/0.17/0.17	1300/1350/1550/1600	0.43/0.46/0.43/0.47
				32	0.17/0.17/0.17/0.17	1300/1350/1550/1600	0.43/0.46/0.43/0.47
90	T90W	380/400/400/440	50/50/60/60	18	0.26/0.26/0.26/0.26	1300/1350/1550/1600	0.70/0.74/0.69/0.77
				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

- Parallel Shaft Performance Table/ Dimension
- Gearmotor with Brake
- Water-resistant Gearmotor with Brake
- Speed Control Gearmotor
- Gearmotor with Clutch/Brake
- GT-Type Gearmotor with Brake
- Right Angle Shaft Performance Table/ Dimension
- Gearmotor with Brake
- With Water-resistant Brake Motor
- Speed Control Gearmotor
- Concentric Hollow Shaft Performance Table/ Dimension
- Gearmotor with Brake
- With Water-resistant Brake Motor
- Speed Control Gearmotor
- Parallel Shaft GTR-L Series Performance Table/ Dimension
- Reversible Gearmotor with Brake
- Speed Control Gearmotor with Brake
- Technical Information
- Standard Motors
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H-Type 1-Phase Standard Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)	Capacitor (μF)
15	S15	100/100	50/60	15	0.35/0.33	1390/1680	0.73/0.66	5
				22	0.35/0.33	1390/1680	0.73/0.66	5
25	S25	100/100	50/60	15	0.45/0.48	1350/1630	0.86/0.79	7
				22	0.45/0.48	1350/1630	0.86/0.79	7
40	S40	100/100	50/60	18	0.61/0.66	1380/1630	1.47/1.34	10
				28	0.61/0.66	1380/1630	1.47/1.34	10
				32	0.61/0.66	1380/1630	1.47/1.34	10
60	S60	100/100	50/60	18	0.90/1.00	1380/1650	2.13/1.95	15
				28	0.90/1.00	1380/1650	2.13/1.95	15
				32	0.90/1.00	1380/1650	2.13/1.95	15
90	S90	100/100	50/60	18	1.30/1.40	1350/1600	2.90/2.70	20
				28	1.30/1.40	1350/1600	2.90/2.70	20
				32	1.30/1.40	1350/1600	2.90/2.70	20
				40	1.20/1.40	1400/1680	3.32/3.10	20

H-Type 1-Phase Double Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)	Capacitor (μF)
15	S15W	200/200	50/60	15	0.18/0.17	1360/1620	0.35/0.32	1.0
				22	0.18/0.17	1360/1620	0.35/0.32	1.0
25	S25W	200/200	50/60	15	0.24/0.23	1340/1600	0.48/0.44	1.5
				22	0.24/0.23	1340/1600	0.48/0.44	1.5
				28	0.23/0.23	1340/1600	0.49/0.44	1.5
40	S40W	200/200	50/60	18	0.29/0.34	1340/1610	0.64/0.61	2.5
				28	0.29/0.34	1340/1610	0.64/0.61	2.5
				32	0.29/0.34	1340/1610	0.64/0.61	2.5
60	S60W	200/200	50/60	18	0.42/0.47	1370/1640	1.07/0.98	3.5
				28	0.42/0.47	1370/1640	1.07/0.98	3.5
				32	0.42/0.47	1370/1640	1.07/0.98	3.5
90	S90W	200/200	50/60	18	0.62/0.67	1340/1600	1.46/1.36	5
				28	0.62/0.67	1340/1600	1.46/1.36	5
				32	0.62/0.67	1340/1600	1.46/1.36	5
				40	0.62/0.69	1400/1680	1.72/1.57	5

- Parallel Shaft Performance Table/ Dimension
- Gearmotor with Brake
- Water-resistant Gearmotor with Brake
- Speed Control Gearmotor
- Gearmotor with Clutch /Brake
- GT-Type Gearmotor with Brake
- Right Angle Shaft Performance Table/ Dimension
- Gearmotor with Brake
- With Water-resistant Brake Motor
- Speed Control Gearmotor
- Concentric Hollow Shaft Performance Table/ Dimension
- Gearmotor with Brake
- With Water-resistant Brake Motor
- Speed Control Gearmotor
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Standard Motor Specifications

F2-Type F2S(Hollow Shaft)3-Phase Standard Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)
15	T15	200/200/220	50/60/60	12	0.13/0.13/0.13	1350/1550/1610	0.30/0.29/0.27
25	T25	200/200/220	50/60/60	12	0.18/0.18/0.19	1320/1520/1590	0.44/0.42/0.46
40	T40	200/200/220	50/60/60	15	0.28/0.26/0.27	1320/1540/1590	0.64/0.61/0.75
60	T60	200/200/220	50/60/60	15	0.36/0.35/0.36	1300/1520/1570	1.04/0.97/1.07
90	T90	200/200/220	50/60/60	15	0.49/0.50/0.50	1300/1500/1550	1.25/1.33/1.38

F2-Type F2S(Hollow Shaft)3-Phase Double Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)
15	T15W	380/400/400/440	50/50/60/60	12	0.11/0.12/0.10/0.11	1400/1400/1700/1700	0.27/0.29/0.27/0.30
25	T25W	380/400/400/440	50/50/60/60	12	0.11/0.12/0.11/0.12	1350/1400/1600/1650	0.27/0.28/0.26/0.29
40	T40W	380/400/400/440	50/50/60/60	15	0.13/0.14/0.13/0.14	1300/1350/1550/1600	0.33/0.35/0.33/0.37
60	T60W	380/400/400/440	50/50/60/60	15	0.17/0.17/0.17/0.17	1300/1350/1550/1600	0.43/0.46/0.43/0.47
90	T90W	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

F2-Type F2S(Hollow Shaft)1-Phase Standard Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)	Capacitor (μ F)
15	S15	100/100	50/60	12	0.35/0.33	1390/1680	0.73/0.66	5
25	S25	100/100	50/60	12	0.45/0.48	1350/1630	0.86/0.79	7
40	S40	100/100	50/60	15	0.61/0.66	1380/1630	1.47/1.34	10
60	S60	100/100	50/60	15	0.90/1.00	1380/1650	2.13/1.95	15
90	S90	100/100	50/60	15	1.30/1.40	1350/1600	2.90/2.70	20

F2-Type F2S(Hollow Shaft)1-Phase Double Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)	Capacitor (μ F)
15	S15W	200/200	50/60	12	0.18/0.17	1360/1620	0.35/0.32	1.0
25	S25W	200/200	50/60	12	0.24/0.23	1340/1600	0.48/0.44	1.5
40	S40W	200/200	50/60	15	0.29/0.34	1340/1610	0.64/0.61	2.5
60	S60W	200/200	50/60	15	0.42/0.47	1370/1640	1.07/0.98	3.5
90	S90W	200/200	50/60	15	0.62/0.67	1340/1600	1.46/1.36	5

F2-Type F2F(Solid Shaft)3-Phase Standard Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)
15	T15	200/200/220	50/60/60	15	0.13/0.13/0.13	1350/1550/1610	0.30/0.29/0.27
25	T25	200/200/220	50/60/60	15	0.18/0.18/0.19	1320/1520/1590	0.44/0.42/0.46
40	T40	200/200/220	50/60/60	18	0.28/0.26/0.27	1320/1540/1590	0.64/0.61/0.75
60	T60	200/200/220	50/60/60	18	0.36/0.35/0.36	1300/1520/1570	1.04/0.97/1.07
90	T90	200/200/220	50/60/60	18	0.49/0.50/0.50	1300/1500/1550	1.25/1.33/1.38

F2-Type F2F(Solid Shaft)3-Phase Double Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)
15	T15W	380/400/400/440	50/50/60/60	15	0.11/0.12/0.10/0.11	1400/1400/1700/1700	0.27/0.29/0.27/0.30
25	T25W	380/400/400/440	50/50/60/60	15	0.11/0.12/0.11/0.12	1350/1400/1600/1650	0.27/0.28/0.26/0.29
40	T40W	380/400/400/440	50/50/60/60	18	0.13/0.14/0.13/0.14	1300/1350/1550/1600	0.33/0.35/0.33/0.37
60	T60W	380/400/400/440	50/50/60/60	18	0.17/0.17/0.17/0.17	1300/1350/1550/1600	0.43/0.46/0.43/0.47
90	T90W	380/400/400/440	50/50/60/60	18	0.26/0.26/0.26/0.26	1300/1350/1550/1600	0.70/0.74/0.69/0.77

F2-Type F2F(Solid Shaft)1-Phase Standard Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)	Capacitor (μF)
15	S15	100/100	50/60	15	0.35/0.33	1390/1680	0.73/0.66	5
25	S25	100/100	50/60	15	0.45/0.48	1350/1630	0.86/0.79	7
40	S40	100/100	50/60	18	0.61/0.66	1380/1630	1.47/1.34	10
60	S60	100/100	50/60	18	0.90/1.00	1380/1650	2.13/1.95	15
90	S90	100/100	50/60	18	1.30/1.40	1350/1600	2.90/2.70	20

F2-Type F2F(Solid Shaft)1-Phase Double Voltage (Indoor Specifications)

Motor Capacity (W)	Motor Designation	Voltage(V)	Frequency(Hz)	Frame Number	Rated Current(A)	Rated Speed(rpm)	Striking Current(A)	Capacitor (μF)
15	S15W	200/200	50/60	15	0.18/0.17	1360/1620	0.35/0.32	1.0
25	S25W	200/200	50/60	15	0.24/0.23	1340/1600	0.48/0.44	1.5
40	S40W	200/200	50/60	18	0.29/0.34	1340/1610	0.64/0.61	2.5
60	S60W	200/200	50/60	18	0.42/0.47	1370/1640	1.07/0.98	3.5
90	S90W	200/200	50/60	18	0.62/0.67	1340/1600	1.46/1.36	5

Parallel Shaft Performance Table/ Dimension

Gearmotor with Brake

Water-resistant Gearmotor with Brake

Speed Control Gearmotor

Gearmotor with Clutch /Brake

GT-Type Gearmotor with Brake

Right Angle Shaft Performance Table/ Dimension

Gearmotor with Brake

With Water-resistant Brake Motor

Speed Control Gearmotor

Concentric Hollow Shaft Performance Table/ Dimension

Gearmotor with Brake

With Water-resistant Brake Motor

Speed Control Gearmotor

Parallel Shaft GTR-L Series Performance Table/ Dimension

Reversible Gearmotor with Brake

Speed Control Gearmotor with Brake

Technical Information

Standard Motors

Cautions for Safety

Option