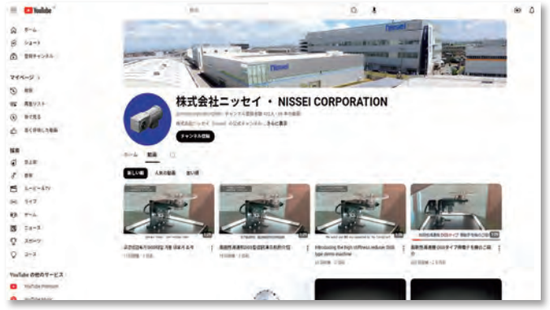
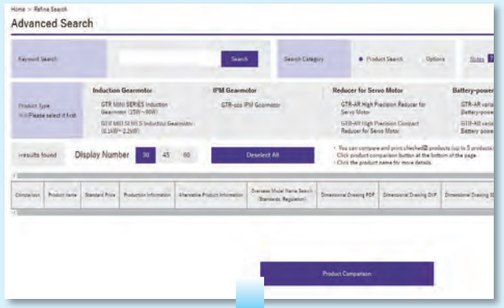
Visit our website to select from among the models introduced here.

Top page

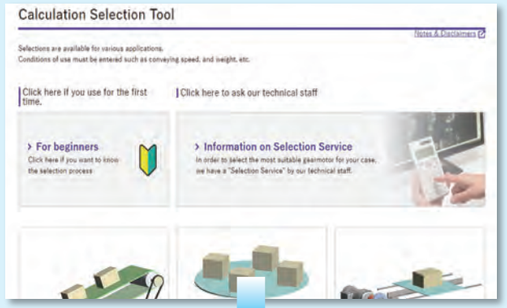
The website provides convenient product selection tools and the latest information useful to customers.
Introducing video content of our products such as gearmotors and high precision gears.



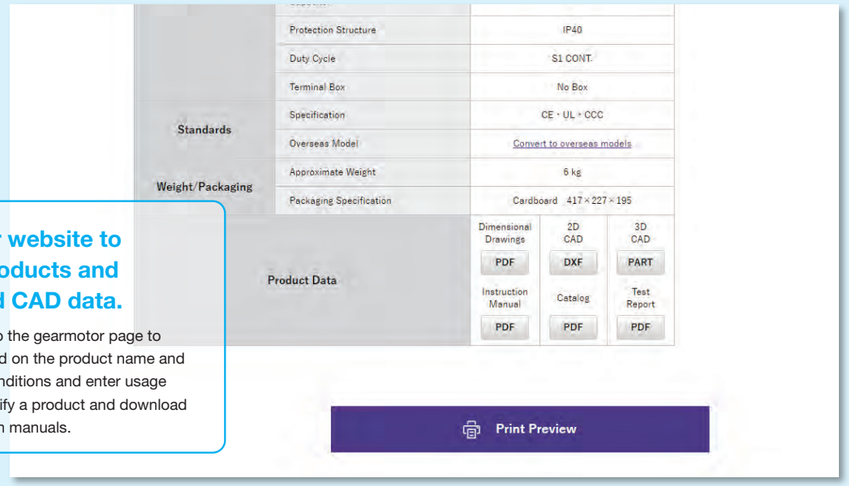
YouTube Channel



Advanced search



Calculation and selection tools



Go to our website to select products and download CAD data.

From the top page, go to the gearmotor page to select a gearmotor based on the product name and application. Filter the conditions and enter usage condition values to specify a product and download CAD data and instruction manuals.

NISSEI CORPORATION URL https://www.nissei-gtr.global/en/

Overseas Sales Department
1-1, Inoue, Izumicho, Anjo, Aichi 444-1297
TEL: 0566-92-5312 (main number) FAX: 0566-92-7002 E-mail: oversea@nissei-gtr.co.jp

2024.10

Induction Gearmotor

Europe
E : 415V/50Hz, 440V/50Hz, 480V/60Hz

East Asia (China, South Korea, Taiwan)
C : 220V/50Hz, 230V/50Hz, 380V/50Hz
D : 220V/50Hz, 220V/60Hz, 380V/50Hz, 380V/60Hz NEW
K : 220V/60Hz, 380V/60Hz

Japan
N : 200V/50Hz, 200V/60Hz, 220V/60Hz
W : 380V/50Hz, 400V/50Hz, 400V/60Hz, 440V/60Hz

North America
U : 230V/60Hz, 460V/60Hz, 400V/50Hz NEW
M : 575V/60Hz

Expand Compliance Coverage Globally !

Easy to accommodate environmental consciousness and to reduce life-cycle costs through broader coverage of compliance with high efficiency regulations in each region.

New stylish appearance
* Mounting dimensions have not been changed.

NISSEI CORPORATION

0.75 to 2.2 kW We have extended compliance of our standard products

with the global standards and high efficiency regulation

Country/ Region	Type Code (Supply Voltage)	0.1 kW	0.2 kW	0.4 kW	High Efficiency Gearmotor (IE3) 0.75 kW	1.5 kW	2.2 kW	Standards
Japan	N	200V/50Hz, 200V/60Hz, 220V/60Hz						UL·CE·CCC
Japan	W	380V/50Hz, 400V/50Hz, 400V/60Hz, 440V/60Hz						UL·CE·CCC
South Korea/Taiwan	K	220V/60Hz, 380V/60Hz						UL·CE
China	C	220V/50Hz, 230V/50Hz, 380V/50Hz						UL·CE·CCC
China/South Korea/Taiwan	D NEW	220V/50Hz, 220V/60Hz, 380V/50Hz, 380V/60Hz			-			UL·CE·CCC
Europe/North America	E	415V/50Hz, 440V/50Hz, 480V/60Hz						UL·cUL·CE·CCC
North America/Europe	U NEW	-			230V/60Hz, 460V/60Hz, 400V/50Hz			UL·cUL·CE·CCC
North America/Europe	A	208V/60Hz, 230V/60Hz, 460V/60Hz, 400V/50Hz			-			UL·cUL·CE·CCC
Canada	M	575V/60Hz						UL·cUL
North America	R	-			208V/60Hz * Available on a special order basis			UL·cUL

Type Code

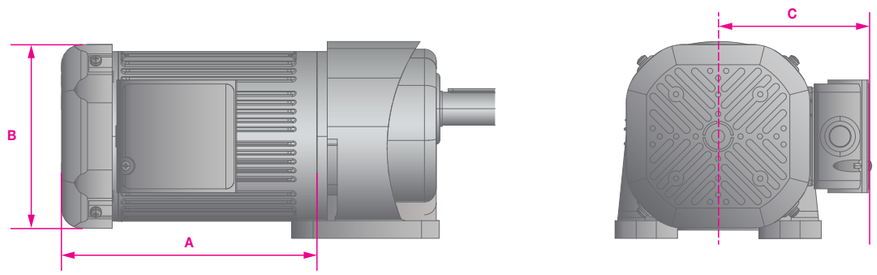
Original Part Number

Mounting Type	Frame Size	Shaft Type	Reduction Ratio		Motor Type	Motor Specifications	Power	Number of Phases	Supply Voltage	Standards	Terminal Box	Brake	Option	Option Code
G3L	28	N	15	—	M	D	08	T	N	N	T	N		
H2F	50	T	120	—	W	D	15	T	K	N	E	V2	X	T9HZ
FS	45	N	60	—	M	D	08	T	W	N	T	B4	X	AA

New Part Number

Mounting Type	Frame Size	Shaft Type	Reduction Ratio		Motor Type	Motor Specifications	Power	Number of Phases	Supply Voltage	Standards	Terminal Box	Brake	Option	Option Code
G3L	28	N	15	—	M	R	08	T	N	N	T	N		
H2F	50	T	120	—	W	R	15	T	K	N	E	V2	X	T9HZ
FS	45	N	60	—	M	R	08	T	W	N	T	B4	X	AA
F3F	32	R	5	—	M	R	08	T	D	N	T	N		

Outline Drawings



Power	Motor Type		A	B	C
0.75 kW	Gearmotor	New	217	154	128
		Old	217	156	132
	Gearmotor with Brake	New	236	154	128
		Old	237	156	132
	IP65 Gearmotor	New	217	154	126.2
		Old	217	156	130.2
	IP65 Gearmotor with Brake	New	276	154	126.2
		Old	278	156	130.2

Power	Motor Type		A	B	C
1.5 kW	Gearmotor	New	252.5	178	139
		Old	268.5	178	139
	Gearmotor with Brake	New	281.5	178	139
		Old	297.5	178	139
	IP65 Gearmotor	New	252.5	178	137.2
		Old	268.5	178	137.2

Power	Motor Type		A	B	C
2.2 kW	Gearmotor	New	302	192	149
		Old	302	192	149
	Gearmotor with Brake	New	331	192	149
		Old	331	192	149
	IP65 Gearmotor	New	302	192	147.2
		Old	302	192	147.2

Redesigned for a more stylish appearance as well.

* Mounting dimensions have not been changed.

Available option

0.2 kW/0.4 kW Compliant with Chinese high efficiency regulations

GB3 Class Induction Gearmotor

GB3 class motors are available for the China market.

Compliant with Chinese standards

0.2 kW	0.4 kW	0.75 kW	1.5 kW	2.2 kW
NEW GB3 * Optional		GB3		

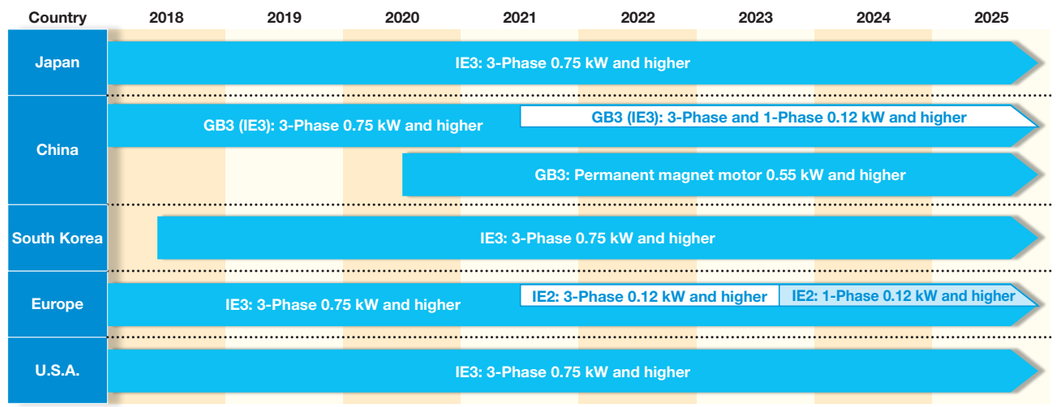
Available Supply Voltages

Type Code (Supply Voltage)	Supply Voltage/Frequency	Standards
N	200V/50Hz, 200V/60Hz, 220V/60Hz	CCC
D	220V/50Hz, 220V/60Hz, 380V/50Hz, 380V/60Hz	CCC

Type Code

Mounting Type	Frame Size	Shaft Type	Reduction Ratio		Motor Type	Motor Specifications	Power	Number of Phases	Supply Voltage	Standards	Terminal Box	Brake	Option	Option Code
G3L	18	N	5	—	M	D	02	T	N	C	T	N	X	
H2F	32	T	80	—	W	D	04	T	D	C	E	V2	X	T9HZ

Background of energy saving

As the global average temperature rises, concerns include extreme weather events and the impact on the ecosystem.
In this context, global warming controls have been promoted on a global scale, with industry likewise urged to save energy and adopt high efficiency regulations for industrial motors.

■ **Trends in gearmotor high efficiency regulations in various countries (as of April 2024)** (Surveyed by NISSEI CORPORATION)