

Nissei Corporation Sales & Marketing Management, Sales Planning Dept.

Product spec change notice due to changes in China / Europe efficiency regulations (Revision 2)

■ This notification describes the changes made for the compliance of the new efficiency certifications in China (Starting June) and in EU (Starting July).

1. Efficiency regulation summary

Country /Region		China		Europe(EU)	
Regulation/certification		Current	New	Current	New
		GB18613-2012	GB18613-2020	IEC60034-30-1: 2014	IEC 60034-1: 2017 IEC 60079(Series)
Implementation Date		-	6/1/2021	-	7/1/2021
Required Efficiency	0.2kW, 0.4kW	-	GB3(IE3)	-	IE2
	0.75kW, 1.5kW, 2.2kW	GB2(IE3)	GB3(IE3)	IE3	IE3
Voltage		380V	1,000V or below	1,000V or below	50V~1,000V
Frequency		50Hz	50Hz	50・60Hz	50・60Hz
Duty Cycle		S1, S3 80%ED	S1, S3 80%ED	S1, S3 80%ED	S1, S3 80%ED Etc.

Note) The above information is summarized based on Nissei Corporation's lineup.

2. Target Lineup

- GTR Gearmotor MID Series 3Ph 0.2kW, 0.4kW, and 0.75kW~2.2kW
- ※Product with CE Marking, CCC certification, and/or Chinese efficiency certification.

3. Change details

- In order to meet the IE2 requirements for Europe, 3Ph 0.2kW and 0.4kW products will be upgraded to IE2. Since this does not meet the criteria for GB3(IE3) for the Chinese efficiency certifications, CCC certified models will be labeled with the duty cycle of S2.
- Since 3Ph 0.75kW~2.2kW products already meet GB3(IE3) standards, changes will be limited to the China efficiency labels only. For more details, please refer to the below table.
- Products exported to China/Europe(EU) after the implementation date must meet the below requirements.

Motor Capacity		3Ph 0.2kW, 0.4kW		3Ph 0.75kW, 1.5kW, 2.2kW	
		Before(Current)	After	Before(Current)	After
Motor Efficiency		IE1 Equivalent	IE2	IE3	
Efficiency info on name label?		No	Yes	Yes	
Chinese Efficiency Certification		N/A		GB2 Class (GB18613-2012)	GB3 Class (GB18613-2020)
Duty Cycle	UL/C-UL/CE	S1 CONT.		S1 CONT.	
	CCC (*1)	S1 CONT.	S2 120min (*2)	S1 CONT.	
Appearance/dimensions		No Changes		No Changes	
Price / Lead Time		No Changes		No Changes	
Nissei Implementation Date		-	Starting products shipped on June 1st	-	Starting products shipped on June 1st

*1 1.5kW, 2.2kW are not CCC certified.

*2 Recognized as S2 duty under CCC certification. Please be cautious when using. Product is, however, certified under S1 duty for UL /C-UL / CE certifications.

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4.Details for GB3 class products for China.

Motor Capacity	3Ph 0.2kW	3Ph 0.4kW
Motor Efficiency	GB3(IE3)	GB3(IE3)
Certification	CCC Certification only	CCC Certification only
Duty Cycle	S1.CONT	S1.CONT
Voltage(V)/ Frequency (Hz)	200/50、200/60、220/60 or 220•380/50、220•380/60	200/50、200/60、220/60 or 220•380/50、220•380/60
Appearance/dimensions	No Changes	No changes on gearbox. Added +15mm on motor length
Price / Lead Time	Please contact your local service office	Please contact your local service office
Nissei Implementation Date	Beginning of July	Beginning of July

5.Implementation date of 0.75kW~2.2kW units under Chinese efficiency certification.

There has been changes in Nissei's direction on this matter from the first revision of this notice (Issued May 20th, 2021) for the Chinese models.

Starting June 1st, 2021, all models will be shipped out with a certification label for the new (GB18613-2020) standard. Additionally, the Chinese authorities have announced that products with the old certification label (GB18613-2012) will be allowed through customs until the end of July.

Nissei corporation requests that all distributors and users to note that motors with the old certification labels will not be allowed through Chinese customs, starting August 1st, 2021, and may only be processed up to July 31st, 2021. Motors shipped to China must be units shipped on June 1st, 2021 or thereafter.