

GTR-AR High-precision reducers

Introduction of replacement after the discontinuation of AGC models.

As announced previously, Nissei will discontinue the production of the AGC line-up of GTR-AR reducers. The purpose of this communication sheet is to introduce possible replacements for the discontinued model.

<u>Discontinued Item</u>	<u>Possible Replacement</u>	
GTR-AR High-precision reducer for servo motors. <u>In-line AGC type</u> 100W~3000W 	GTR-AR High-precision planetary reducer for servo motors. <u>In-Line APG Type</u> 100W~3000W 	GTR-AR High-precision reducer for servo motor. <u>Right-angle AFC type</u> 100W~3000W  ※The mounting dimensions are identical to AGC reducers.

AGC Type (In-line)		Capacity	Precision	Ratio							
<u>Discontinued Item</u>				3	5	7.5	10	12	15	20	25
GTR-AR High-precision reducer for servo motors. <u>In-line AGC type</u> 100W~3000W 		100W	3 Min 30 Min	Frame 10 (56mm)	Frame 12 (62mm)	Frame 15 (72mm)					
		200W		Frame 12 (62mm)	Frame 15 (72mm)	Frame 18 (82mm)					
		400W		Frame 15 (72mm)	Frame 18 (82mm)	Frame 22 (102mm)					
		750W		Frame 18 (82mm)	Frame 22 (102mm)	Frame 28 (120mm)					
		1000W		Frame 22 (102mm)	Frame 28 (120mm)	Frame 32 (135mm)					
		2000W		Frame 28 (120mm)	Frame 32 (135mm)	—	—	—	—	—	
		3000W		Frame 32 (135mm)	—	—	—	—	—	—	

■Replacement ① APG type In-line High-precision planetary reducer.

<APG Characteristics>

- Planetary gearing allows the reducer to be more compact.
- Precisions of 3 minutes and 15 minutes available.
- Reduction ratio expanded to 1/100.
- Protection classes of IP44 and IP65 are available. (Dust protection/ Water protection)

APG type (In-line)		Ratio										
Capacity	Precision	3	5	10	15	20	30	40	50	60	100	
GTR-AR High-precision planetary reducer for servo motors. In-Line APG Type 100W~3000W	3 Min 15 Min	100W	Frame 12 (52mm)						Frame 18 (78mm)			
		200W	Frame 12 (52mm)					Frame 18 (78mm)			Fr. 22 (98mm)	
		400W	Frame 12 (52mm)		Frame 18 (78mm)				Frame 22 (98mm)		Fr. 28 (120mm)	
		750W	Frame 18 (78mm)			Frame 22 (98mm)			Frame 28 (120mm)		—	
		1000W	Frame 22 (98mm)			Frame 28 (120mm)				—		—
		1500W	Frame 22 (98mm)			Frame 28 (120mm)			—	—	—	—
		2000W	Frame 22 (98mm)			Frame 28 (120mm)		—	—	—	—	—
		3000W	Frame 28 (120mm)			—	—	—	—	—	—	—

■Replacement② AFC Type Right-angle (Hollow bore/Solid shaft) High-precision reducer.

<AFC Characteristics>

- Mounting dimensions are identical to AGC. Right angle gearhead allows installation in tight spaces.
- Hollow bore types are standard models → More mounting options for end-users.

AFC type (Right-angle)		Ratio													
Capacity	Precision	3	5	7.5	10	10	12	15	20	25	30	40	50	60	
GTR-AR High-precision reducer for servo motor. Right-angle AFC type 100W~3000W	3 Min 30 Min	100W	—	—	Frame 12 (62mm)	Frame 15 (72mm)						Frame 18 (82mm)			
		200W	—	Fr. 12 (62mm)	Frame 15 (72mm)	Frame 18 (82mm)						Frame 22 (102mm)			
		400W	Frame 15 (72mm)		Frame 18 (82mm)	Frame 22 (102mm)						Frame 28 (120mm)			
		750W	Frame 18 (82mm)		Frame 22 (102mm)	Frame 28 (120mm)						Frame 32 (135mm)			
		1000W	Frame 22 (102mm)		Frame 28 (120mm)	Frame 32 (135mm)						—	—	—	
		2000W	Frame 28 (120mm)		Frame 32 (135mm)	—	—	—	—	—	—	—	—	—	
		3000W	Frame 32 (135mm)		—	—	—	—	—	—	—	—	—	—	

■Contact Information

NISSEI CORPORATION

- **Tokyo Office** : 0 3 - 5 6 9 5 - 5 4 1 1
- **Osaka Office** : 0 6 - 6 7 7 2 - 1 9 0 0
- **Chubu Office** : 0 5 6 6 - 9 2 - 7 4 1 0
- **Overseas sales** : 0 5 6 6 - 9 2 - 5 3 1 2
- **Customer Service** : 0 5 6 6 - 9 2 - 5 7 9 7
- **Tech support desk** : 0 1 2 0 - 8 8 9 - 8 6 7