

July 2025

To whom it may concern:

Notification: Reducers Motor upgrade (Second notice)

Thank you very much for your ongoing patronage of Tsubaki products and services.

We would like to inform you of the second announcement regarding the upgrade of motor announced in March 2025. We appreciate your understanding and cooperation.

1. Applicable products and changes

Series	Motor capacity	Changes				
		Appearance	Dimensions	Model No.	Motor Specifications	International Standards
<ul style="list-style-type: none"> ● Gear motor GMTR series ● Hypoid motor HMTR series ● Croise motor CSMA/ HCMR series ● Warm power drive EW(J)MR/ SW(J)MR (Including TERUS)^{※1} ● Quoted products^{※2} 	1.5kW	Yes	Yes	Yes	Yes	Yes
	2.2kW	Yes	Yes	Yes	Yes	Yes

※1) TERUS series that of worm reducer with gear motor (hypoid motor) are included.

※2) May include products other than the above-mentioned series such as RFQ products when the motor equipped is 1.5kW or 2.2kW. (Ex: Special specification models such as Troi Drive with motor TDMR)

With this motor upgrade, heat-resistant class F (155°C), which was previously unavailable, is now offered as a standard specification. Additionally, this new motor design featuring an aluminum motor frame enhances torque characteristics.

There are no specification changes to the break in this upgrade.

Please refer to the appendix for the detailed changes of model numbers and dimensions, etc.

These products comply with international standards, including CE (European Low Voltage Directive) and GB3 (China Energy Efficiency Grade).

For official model numbers, dimensions (all series) and specifications, please refer to the revised catalog scheduled for release in October 2025.







2. Price and lead time

The price and lead time will be equivalent to those of the current models.

Please refer to the PT net from October 2025 for details.

Although the validity period of quotations, special price applications and indent applications for current models is 6 months, it will be shortened and expire on 26 December 2025.

3. Date effective:

Applicable product	Phase	Schedule				
		1 August to 30 September 2025	From 1 October 2025	Until 26 December 2025	Bigining of January 2026	Until December 2026
New specifications	Quotations for certain products are accepted ^{※1}					
	Officially Launched ^{※2}					
Current specifications	Available as Made-to-Order ^{※3}					
	Discontinued					
	After-sales service available					
	After-sales support ended ^{※4}					

- ※1) Quotations for new models with special specifications which has proven track record will be accepted.
- ※2) For the price and lead time of catalog standard products and those with optional features, please refer to the automatic price calculator on PT net after official launch.
- ※3) Orders placed on or after October 01,2025 will be processed as new models and the current models will be available on made-to-order basis. Please note that once the stock of current model parts is depleted, made-to-order products may not be available.
- ※4)After-sales support for current models will end on 25 December, 2026.
- Please note that it may be brought forwarded depending on the availability of current motor parts.

Should you have questions, please do not hesitate to contact us.

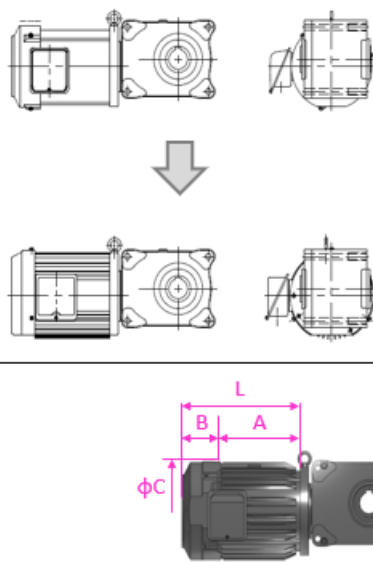
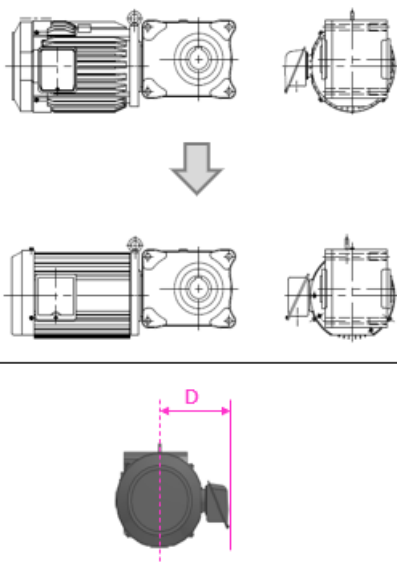
Best regards,

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Appendix

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I. Appearance/ Dimensions

Series	Gear motor GMTR Series (Parallel shaft)		Hypoid motor HMTR Series (Right angle shaft)	
Capacity	Croise motor CSMR/HCMR Series (Right angle shaft)		Worm power drive EW(J)MR • SW(J)MR Series (Right angle shaft)	
Mounting dimensions	3 Phase 1.5kW		3 Phase 2.2kW	
Appearance/ Outer dimensions	Will be changed		Will be changed	
Appearance details	Motor main unit Steel plate → Motor main unit Aluminum Fun cover Without brake Terminal box Shape change		Motor main unit Steel plate → Motor main unit Aluminum Fun cover Without brake Terminal box Shape change	
Outer dimension details				

Capacity	Brake	Current/New	Fin	Dimensions [mm]					Dimensional changes (New-Current)				
				L	A	B	C※	D	L	A	B	C※	D
1.5kW	No	Current	No	235.5	166.5	69	204	149	0	14.5	-14.5	9	11
		New	Yes	235.5	181	54.5	213	160					
	Yes	Current	No	299.5	166.5	133	202	148	-4.5	14.5	-19	11	7
		New	Yes	295	181	114	213	155					
2.2kW	No	Current	Yes	283	191	92	218	162	2.5	40	-37.5	-5	-2
		New	Yes	285.5	231	54.5	213	160					
	Yes	Current	Yes	338.5	191	147.5	226	161	6.5	40	-33.5	-13	-6
		New	Yes	345	231	114	213	155					

Red: Increase from the current value
Blue: Decrease from the current value

※C) Dimensions have been revised from previous announcement.

II. Model number

Gear motor

	Product/ Series	Motor capacity	Flame number	Mounting code	Mounting type	Reduction ratio	Shaft arrangement	Specification code	Option			
									Option code A		Option code B	
current	GMTR	150	38		L	10						
	HMTR	220	50		U	100	T	B				
	CSMR	150	28	0	H	25		B	N	Q	F1	C0
New	GMTR	151	38		L	10						
	HMTR	221	50		U	100	T	B				
	CSMR	151	28	0	H	25		B	N	Q	F1	C0

Gear box

	Product/ Series	Size	Mounting Position	Reduction ratio	Shaft arrangement	Motor capacity	Motor handling	Option code
Current	EWMR	80	T	40	L	150		
	SWMR	100	V	60	RF	220	B	
New	EWMR	80	T	40	L	151		
	SWMR	100	V	60	RF	221	B	

Motor characteristics

● 1.5kW

Voltage /Frequency (V/Hz)	Rated revolution (r/min)		Rated current (A)		Starting current (A)		Efficiency (%)		Starting Torque (%)		Stalling torque (%)	
	current	new	current	new	current	new	current	new	current	new	current	new
200/50	1450	1450	6.6	6.5	49.3	36.3	86.9	86.7	281	253	242	279
200/60	1745	1738	6.0	6.1	38.3	30.6	88.6	87.4	217	219	214	232
220/60	1755	1750	5.8	5.8	43.5	34.5	89.1	88.3	263	262	257	291
380/50	1445	1448	3.4	3.5	23.0	18.8	86.7	87.0	253	252	220	280
400/50	1450	1454	3.3	3.5	24.7	20.0	86.9	87.2	281	275	242	317
400/60	1745	1743	3.0	3.1	19.2	17.0	88.6	88.1	217	240	214	263
440/60	1755	1754	2.9	3.1	21.8	19.0	89.1	88.9	263	286	257	326

● 2.2kW

Voltage /Frequency (V/Hz)	Rated revolution (r/min)		Rated current (A)		Starting current (A)		Efficiency (%)		Starting Torque (%)		Stalling torque (%)	
	current	new	current	new	current	new	current	new	current	new	current	new
200/50	1450	1459	9.6	10.6	76.0	72.9	88.2	88.5	323	371	247	407
200/60	1745	1751	8.8	9.1	62.0	61.9	89.9	90.1	251	312	219	328
220/60	1755	1759	8.4	9.0	70.6	69.8	90.2	90.1	306	386	262	415
380/50	1445	1455	4.8	5.2	35.5	34.7	88.1	89.2	291	341	226	373
400/50	1450	1459	4.8	5.4	38.0	37.1	88.2	89.0	323	381	247	422
400/60	1745	1751	4.4	4.6	31.0	31.3	89.9	90.1	251	307	219	337
440/60	1755	1760	4.2	4.6	35.3	35.3	90.2	90.3	306	394	262	429

※The values listed above are based on development data and are subject to change.