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Release of MINAS-BL KV Series Brushless Motors and Amplifiers (Speed Control and High Output Type)

We would like to announce that MINAS-BL KV Series Brushless Motors (Speed Control and High Output Type) will be released, following the MINAS-BL GV and GP series released in 2012. This series is the third production run following the GV and GP series whose outer dimensions are same as compact geared motor type. The outer dimensions of KV series are same as servo motor type. We greatly appreciate your continued support and efforts to sales expansion of our products.

- We will start accepting orders on February 26, 2013 and release the product on March 27, 2013.
- Output range: 200 W, 400 W, and 750W / 100 V and 200 V
(We will release 50 W and 100 W in sequence.)
- Product features:
 - Compact size and high output: Higher space factor of the stator winding achieved by adopting the MINAS technique
 - The motor shape is interchangeable with a servo motor at the time of installation. However, the 100 W is 60 mm square. (The servo motor is 38 mm square.)
 - Speed control: Speed control range is from 100 to 4,000 RPM (Rated speed is 3,000 RPM and velocity ratio is 1:40)
The adoption of our proprietary sensor enables smooth driving from low speed.
 - Protection Classification of the motor: IP65 (Excluding the axis penetration part and cable tip connector)
 - External generative resistor,(not suitable for continuous use).
 - Oversea standard certificates applied: EC Directive, UL Standards, Korean Radio Waves Act (KC mark), China Compulsory Certification (CCC) (We will obtain these certificates from April 2013 onwards)
 - Startup support software: PANATERM for BL reduces man-hours for adjustment work. Waveform monitoring, parameter setting, and alarm status check operations can be carried out on a PC. PANATERM for brushless motors "PANATERM for BL" can be downloaded from our website. You need a separately sold PC connection cable to connect your PC to the amplifier.
 - Our lineup includes a set product with a packaged power connection cable, which makes the line process of a power connector unnecessary.
- Model numbers, prices, and how we accept your orders: For model numbers, please see pages 3 through 5. For prices, please contact our sales representative.
- Dimensions and specifications:

Please visit our website for MINAS-BL KV Series Brushless Motors.
http://industrial.panasonic.com/ww/e/25000/fa-br-catalog-minas-bl_e/fa-br-catalog-minas-bl_e/MINAS-BL-KV_catalog_e.pdf
- Notice:

The shapes of amplifiers (50 W and 100 W) have changed from those listed in the catalog issued in December 2012. The dimensions are smaller than those listed and identical to the GV and GP series amplifiers (compact geared motor type).
The dimensions of amplifiers of 200 W and over are same as those in the catalog.
There is no change in model numbers.
Please refer to our website for more details.

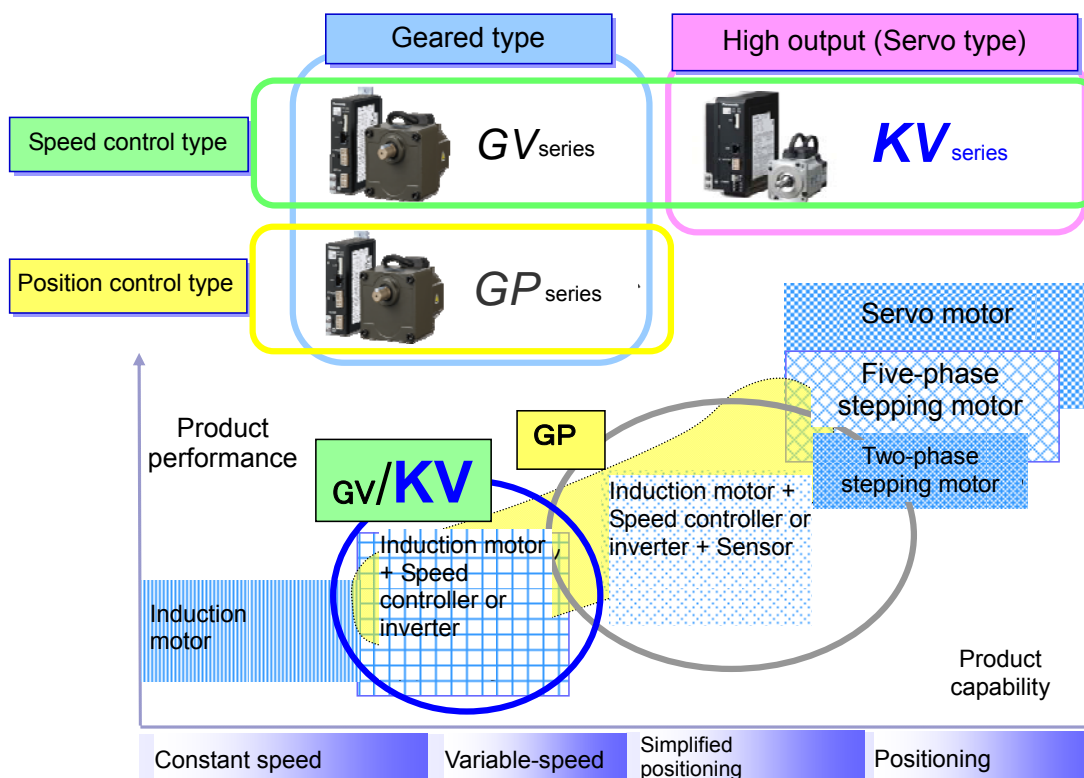
(For your information)

MINAS-BL Lineup

	Capacity	Voltage	GV series	GP series	KV series
Purpose			Speed control type	Position control type	Speed control type High output
Installation size			Compact G series type	Compact G series type	Servo motor type
Release			Released in June 2012	Released in December 2012	Have been released
Details	50W	Single phase 100 V	●*1	●*1	●*1
		Single/Three phase(s) 200 V	●*1	●*1	●*1
	90W	Single phase 100 V	●	●	—
		Single/Three phase(s) 200 V	●	●	—
	100W	Single phase 100 V	—	—	●
		Single/Three phase(s) 200 V	—	—	●
	130W	Single phase 100 V	●	●	—
		Single/Three phase(s) 200 V	●	●	—
	200W	Single phase 100 V	—	—	●
		Single/Three phase(s) 200 V	—	—	●
	400W	Three phases 200 V	—	—	●
	750W	Three phases 200 V	—	—	●

*1 The 50 W motors support both of 100 V and 200 V regardless of the Series.

Position of KV Series



■Speed Control and High Output Type GV Series

•Motor (50 W・100 W・200 W)

Model No	Output (W)	Voltage (V)	Oil seal	Round shaft	Key way, center tap shaft	D-cut shaft
MBMS5AZBLA	50	100/200 common		○		
MBMS5AZBLC			○	○		
MBMS5AZBLS					○	
MBMS5AZBLU			○		○	
MBMS5AZBLN						○
MBMS5AZBLQ			○			○
MBMS011BLA	100	100		○		
MBMS011BLC			○	○		
MBMS011BLS					○	
MBMS011BLU			○		○	
MBMS011BLN						○
MBMS011BLQ			○			○
MBMS012BLA		200		○		
MBMS012BLC			○	○		
MBMS012BLS					○	
MBMS012BLU			○		○	
MBMS012BLN						○
MBMS012BLQ			○			○
MBMS021BLA	200	100		○		
MBMS021BLC			○	○		
MBMS021BLS					○	
MBMS021BLU			○		○	
MBMS021BLN						○
MBMS021BLQ			○			○
MBMS022BLA		200		○		
MBMS022BLC			○	○		
MBMS022BLS					○	
MBMS022BLU			○		○	
MBMS022BLN						○
MBMS022BLQ			○			○

•Motor (400 W~750 W)

Model No	Output (W)	Voltage (V)	Oil seal	Round shaft	Key way, center tap shaft	D-cut shaft
MBMS042BLA	400	200		○		
MBMS042BLC			○	○		
MBMS042BLS					○	
MBMS042BLU			○		○	
MBMS042BLN						○
MBMS042BLQ			○			○
MBMS082BLA	750	200		○		
MBMS082BLC			○	○		
MBMS082BLS					○	
MBMS082BLU			○		○	
MBMS082BLN						○
MBMS082BLQ			○			○

•Amplifiers (50 W~750 W)

Model No	Output (W)	Voltage (V)
MBEK5A1BCV	50	Single phase, 100
MBEK5A5BCV		Single/3-phase, 200
MBEK011BCV	100	Single phase, 200
MBEK015BCV		Single/3-phase, 200
MBEK021BCV	200	Single phase, 100
MBEK025BCV		Single/3-phase, 200
MBEK043BCV	400	3-phase, 200
MBEK083BCV	750	3-phase, 200

•Options (Only Amplifiers 50 W~100 W)

Title	Specifications	Model No	Remarks *1
Power connector kit	For power connector	DV0P2870	●
DIN rail mounting unit	—	DV0P3811	●

•Options (Same as options for all series)

Title	Specifications	Model No	Remarks* ¹
Panel connector kit	Only Panel A	DV0P3610	●
Motor extension cable	1 m	DV0PQ1000310	—
	3 m	DV0PQ1000330	—
	5 m	DV0PQ1000350	—
	10 m	DV0PQ10003A1	—
Panel A	For analog setting	DV0P3500	●
Panel A connection cable	1 m	DV0PM2006910	●
	3 m	DV0PM2006930	●
	5 m	DV0PM2006950	●
Panel B	For digital setting	DV0P3510	●
Panel B connection cable	1 m	DV0P38310	●
	3 m	DV0P38330	●
	5 m	DV0P38350	●
I/O connector kit	For control signals	DV0PM20070	●
Control signal cable	2 m	DV0PM20076	●
External speed panel	5 k Ω , 1/4 W, characteristic B	DV0PM20078	●
PANATERM for BL	Setting software	(DV0PM20067)	●
PC connection cable	For PANATERM for BL	DV0P4140	●
External regenerative brake resistor	For 100 V, 50 Ω , 10 W	DV0P2890	●
	For 200 V, 200 Ω , 10 W	DV0PM20068	●
Noise filter	For single-phase type	DV0P4170	●
	For 3-phase type	DV0PM20042	●
Surge absorber	For single-phase type	DV0P4190	●
	For 3-phase type	DV0P1450	●
Signal noise filters	Four filters included	DV0P1460	●
Reactor	For single-phase type	DV0P227	●
		DV0P228	●
	For 3-phase type	DV0P220	●

*1: "●" mark is same as options for GV series (Speed Control type, size of compact AC geared motor)

*2: Please download PANATERM for BL from our website.