

Motor News

July 29, 2019

Industrial Device Solution Business Unit,
Industrial Device Business Division,
Industrial Solutions Company
Panasonic Corporation

Announcement of New model release: **MINAS A6 Family AC Servo Motor and Driver**

Thank you for your daily support and efforts to our business.

In regard to the titled matter, we have a progressive line-up of MINAS A6 family Battery-less absolute encoder motors up to 5 kW.

Please consider using these products for your project.

1. Order accepting date: starting from July 29, 2019 (Release date: starting from September 26, 2019)

2. Released Models

- MSMF Series (Low inertia) Lead wire type
 - <Voltage: AC 100V>
 - Output: 750 W, 1 kW (Flange size: 80 mm sq.)
 - Rated rotational speed: 3000 r/min
 - Maximum rotational speed: 6000 r/min

- MHMF Series (High inertia) Lead wire type
 - <Voltage: AC 100V / 200V>
 - Output: 50 W, 100 W (Flange size: 40 mm sq.)
 - Rated rotational speed: 3000 r/min
 - Maximum rotational speed: 6500 r/min

3. Model numbers

Refer to Page 4 onwards.

For the prices, please send RFQ (request for quote) to our sales representatives.

4. Applicable driver

Driver / Series number	Software version	Timing
A6SE / A6SF / A6SG Series	Ver. 1.09	Production lot in Sep 2018
A6NE / A6NF Series	Ver. 1.23	Production lot in May 2018
A6BE / A6BF Series	Ver. 1.04	Production lot in Aug 2018

* The A6SE series driver does not support the absolute system specification, only incremental system can be used in combination.

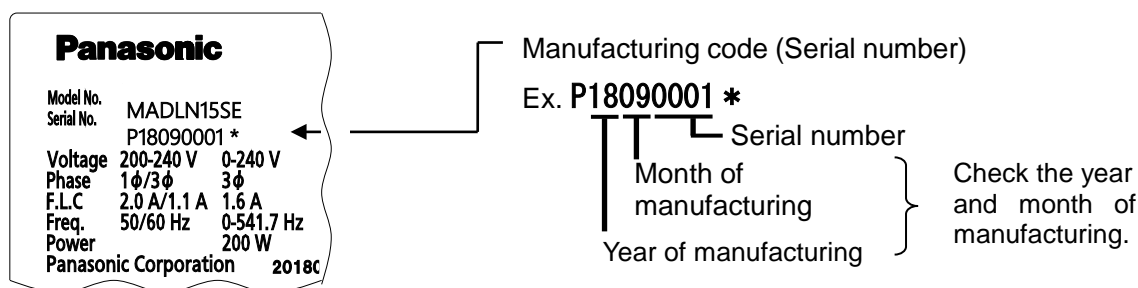
■ Method of checking:

• Method involving checking the software version

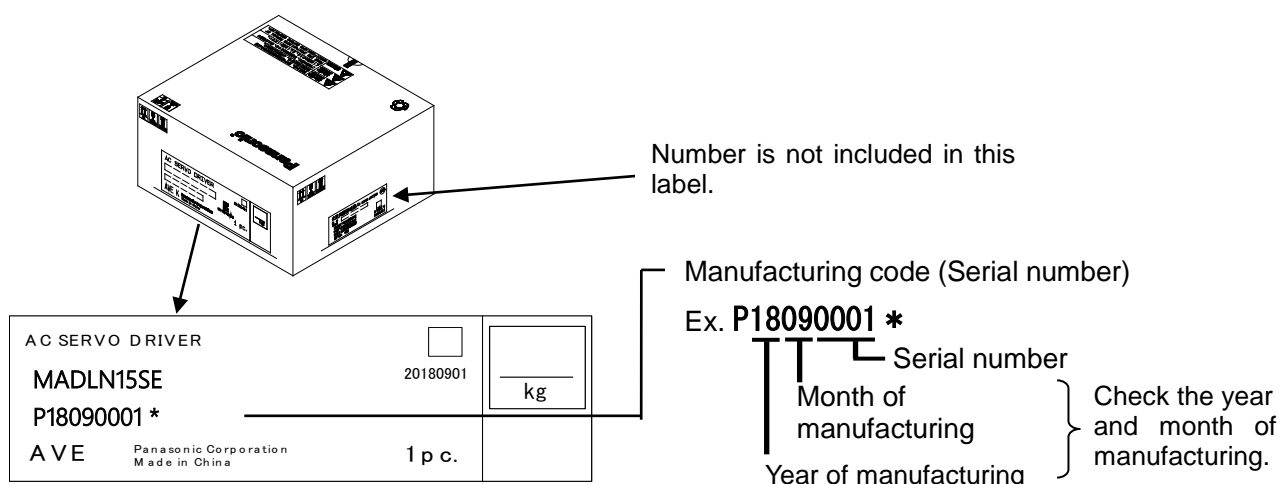
The software version can be checked by using the setup support software (PANATERM), or by checking the monitor mode of front panel.

• Method of checking the year and month of manufacturing from the manufacturing code (serial number)

The manufacturing code (serial number) shown on the name plate located on the side of the product conforms to the following rule.



The manufacturing code (serial number) shown on the label attached to the front surface of the package box follows the following rule.



5. External dimensions, specifications, and options

Refer to the information on our website on the MINAS A6 Battery-less absolute encoder motor catalog.
https://www3.panasonic.biz/ac/e_download/motor/fa-motor/ac-servo/catalog/minas-a6-batteryless_ctlg_e.pdf?f_cd=403956

< Encoder cable >

Encoder cable for incremental system can be used.

Length (m)	Part number
3	MFECA0030EAD
5	MFECA0050EAD
10	MFECA0100EAD

Please contact us about the part number of encoder cable 10 m to 20 m.

6. Appearance



MINAS A6 Series, Battery-less absolute encoder motor
 Output: 400 W

■MINAS A6 Series, Battery-less absolute encoder motor Model number

(Category indications)

Shaft specifications: round shaft = ○, with key tap = □

Holding brake: with =●

Oil seals: with = △, with protection lip seals = ◎

MINAS A6 MSMF Series (80mm sq.) Lead wire type

Model number	Output (W)	Voltage (V)	Shaft	Holding brake	Oil seals
MSMF082A1A2	750	200	○		
MSMF082A1B2	750	200	○	●	
MSMF082A1C2	750	200	○		△
MSMF082A1D2	750	200	○	●	△
MSMF082A1S2	750	200	□		
MSMF082A1T2	750	200	□	●	
MSMF082A1U2	750	200	□		△
MSMF082A1V2	750	200	□	●	△
MSMF092A1A2	1000	200	○		
MSMF092A1B2	1000	200	○	●	
MSMF092A1C2	1000	200	○		△
MSMF092A1D2	1000	200	○	●	△
MSMF092A1S2	1000	200	□		
MSMF092A1T2	1000	200	□	●	
MSMF092A1U2	1000	200	□		△
MSMF092A1V2	1000	200	□	●	△

MINAS A6 MHMF Series (40mm sq.) Lead wire type

Model number	Output (W)	Voltage (V)	Shaft	Holding brake	Oil seals
MHMF5AZA1A2	50	100/200	○		
MHMF5AZA1B2	50	100/200	○	●	
MHMF5AZA1C2	50	100/200	○		△
MHMF5AZA1C4	50	100/200	○		◎
MHMF5AZA1D2	50	100/200	○	●	△
MHMF5AZA1D4	50	100/200	○	●	◎
MHMF5AZA1S2	50	100/200	□		
MHMF5AZA1T2	50	100/200	□	●	
MHMF5AZA1U2	50	100/200	□		△
MHMF5AZA1U4	50	100/200	□		◎
MHMF5AZA1V2	50	100/200	□	●	△
MHMF5AZA1V4	50	100/200	□	●	◎
MHMF011A1A2	100	100	○		
MHMF011A1B2	100	100	○	●	
MHMF011A1C2	100	100	○		△
MHMF011A1C4	100	100	○		◎
MHMF011A1D2	100	100	○	●	△
MHMF011A1D4	100	100	○	●	◎
MHMF011A1S2	100	100	□		
MHMF011A1T2	100	100	□	●	
MHMF011A1U2	100	100	□		△
MHMF011A1U4	100	100	□		◎
MHMF011A1V2	100	100	□	●	△
MHMF011A1V4	100	100	□	●	◎

MINAS A6 MHMF Series (40mm sq.) Lead wire type

Model number	Output (W)	Voltage (V)	Shaft	Holding brake	Oil seals
MHMF012A1A2	100	200	○		
MHMF012A1B2	100	200	○	●	
MHMF012A1C2	100	200	○		△
MHMF012A1C4	100	200	○		◎
MHMF012A1D2	100	200	○	●	△
MHMF012A1D4	100	200	○	●	◎
MHMF012A1S2	100	200	□		
MHMF012A1T2	100	200	□	●	
MHMF012A1U2	100	200	□		△
MHMF012A1U4	100	200	□		◎
MHMF012A1V2	100	200	□	●	△
MHMF012A1V4	100	200	□	●	◎