

September 26, 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 an additional line-up of MINAS A6 Family Battery-less Absolute Encoder Motors.

We would appreciate your continuous support for our products.

1. Order accepting date: starting from September 29, 2019  
(Release date: starting from October 25, 2019)

### 2. Released Models

- MQMF Series (Middle inertia) Lead wire type

<Voltage: AC 100 V / 200 V>

Output: 100 W, 200 W, and 400 W (Flange size: 60 mm sq. / 80 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.

# Motor News

## 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.

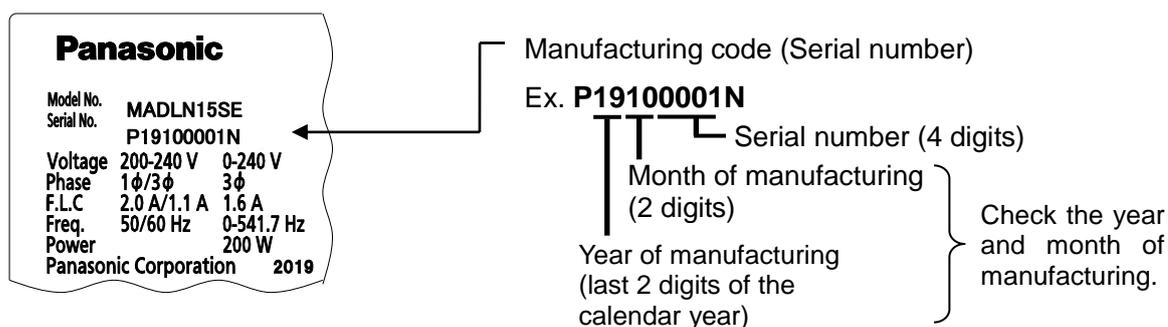
■ Method of checking:

• Method involving checking the software version

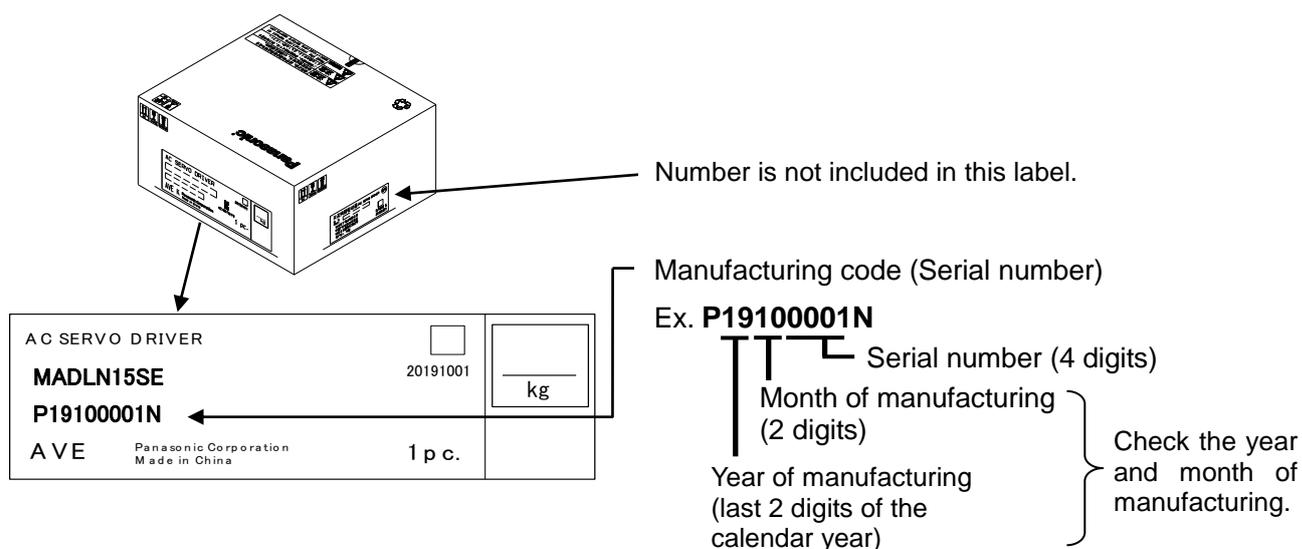
The software version can be checked by using the setup support software (PANATERM), or by checking the monitor mode of front panel.

• 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.



# Motor News

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](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.

■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 MQMF Series (60mm sq.) Lead wire type

Model number	Output (W)	Voltage (V)	Shaft	Holding brake	Oil seals
MQMF011A1A2	100	100	○		
MQMF011A1B2	100	100	○	●	
MQMF011A1C2	100	100	○		△
MQMF011A1C4	100	100	○	●	◎
MQMF011A1D2	100	100	○	●	△
MQMF011A1D4	100	100	○	●	◎
MQMF011A1S2	100	100	□		
MQMF011A1T2	100	100	□	●	
MQMF011A1U2	100	100	□		△
MQMF011A1U4	100	100	□		◎
MQMF011A1V2	100	100	□	●	△
MQMF011A1V4	100	100	□	●	◎
MQMF012A1A2	100	200	○		
MQMF012A1B2	100	200	○	●	
MQMF012A1C2	100	200	○		△
MQMF012A1C4	100	200	○		◎
MQMF012A1D2	100	200	○	●	△
MQMF012A1D4	100	200	○	●	◎
MQMF012A1S2	100	200	□		
MQMF012A1T2	100	200	□	●	
MQMF012A1U2	100	200	□		△
MQMF012A1U4	100	200	□		◎
MQMF012A1V2	100	200	□	●	△
MQMF012A1V4	100	200	□	●	◎

(Category indications)

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

Holding brake: with = ●

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

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

Model number	Output (W)	Voltage (V)	Shaft	Holding brake	Oil seals
MQMF021A1A2	200	100	○		
MQMF021A1B2	200	100	○	●	
MQMF021A1C2	200	100	○		△
MQMF021A1C4	200	100	○	●	◎
MQMF021A1D2	200	100	○	●	△
MQMF021A1D4	200	100	○		◎
MQMF021A1S2	200	100	□		
MQMF021A1T2	200	100	□	●	
MQMF021A1U2	200	100	□		△
MQMF021A1U4	200	100	□		◎
MQMF021A1V2	200	100	□	●	△
MQMF021A1V4	200	100	□	●	◎
MQMF022A1A2	200	200	○		
MQMF022A1B2	200	200	○	●	
MQMF022A1C2	200	200	○		△
MQMF022A1C4	200	200	○		◎
MQMF022A1D2	200	200	○	●	△
MQMF022A1D4	200	200	○	●	◎
MQMF022A1S2	200	200	□		
MQMF022A1T2	200	200	□	●	
MQMF022A1U2	200	200	□		△
MQMF022A1U4	200	200	□		◎
MQMF022A1V2	200	200	□	●	△
MQMF022A1V4	200	200	□	●	◎

(Category indications)

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

Holding brake: with = ●

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

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

Model number	Output (W)	Voltage (V)	Shaft	Holding brake	Oil seals
MQMF041A1A2	400	100	○		
MQMF041A1B2	400	100	○	●	
MQMF041A1C2	400	100	○		△
MQMF041A1C4	400	100	○		◎
MQMF041A1D2	400	100	○	●	△
MQMF041A1D4	400	100	○	●	◎
MQMF041A1S2	400	100	□		
MQMF041A1T2	400	100	□	●	
MQMF041A1U2	400	100	□		△
MQMF041A1U4	400	100	□		◎
MQMF041A1V2	400	100	□	●	△
MQMF041A1V4	400	100	□	●	◎
MQMF042A1A2	400	200	○		
MQMF042A1B2	400	200	○	●	
MQMF042A1C2	400	200	○		△
MQMF042A1C4	400	200	○		◎
MQMF042A1D2	400	200	○	●	△
MQMF042A1D4	400	200	○	●	◎
MQMF042A1S2	400	200	□		
MQMF042A1T2	400	200	□	●	
MQMF042A1U2	400	200	□		△
MQMF042A1U4	400	200	□		◎
MQMF042A1V2	400	200	□	●	△
MQMF042A1V4	400	200	□	●	◎