

March 26, 2019

Motor Business Unit,
Electromechanical Control Business Division,
Automotive & Industrial Systems 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.

This is an announcement about high-capacity (5.5 kW to 22 kW) servo motor and driver of the MINAS A6 Family. Please consider using these products for your project.

1. Order accepting date: starting from April 19, 2019

2. Released Models

<Servo motors>

- MDMF series (Middle inertia)
Output: 7.5 kW, 11 kW, 15 kW, 22 kW
Rated rotational speed: 1500 r/min, Rated rotational Max. speed: 2000 r/min (*Only 7.5 kW: 3000 r / min)
- MGMF series (Middle inertia)
Output: 5.5 kW
Rated rotational speed: 1500 r/min, Rated rotational Max. speed: 3000 r/min
- MHMF series (High inertia)
Output: 7.5 kW
Rated rotational speed: 1500 r/min, Rated rotational Max. speed: 3000 r/min

Each series has a connector type, IP67. Only MDMF series 22 kW has a terminal-block type, IP44.

<Servo drivers>

- A6SF series (Multifunction type)
- A6NF series (High-speed Network Realtime Express type)
- A6BF series (EtherCAT type) * Special Order Products for specific customers

3. Model numbers

Refer to Page 3 onwards.

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

4. External dimensions and specifications

Refer to the information on our website on the MINAS A6 Family catalog.

https://www3.panasonic.biz/ac/e_download/motor/fa-motor/ac-servo/catalog/minas-a6_ctlg_e.pdf?f_cd=403107

5. Appearance



MINAS A6SF Series, AC Servo Motor and Driver
Output: 50 W to 22 kW

■MINAS A6 Series AC Servo Driver Model number

AC Servo Driver A6SF Series (Multifunction type)

Model number	Output	Voltage (V)
MGDLTC3SF	5.5 kW, 7.5 kW	3-phase 200
MHDLTE3SF	11 kW, 15 kW	3-phase 200
MHDLTF3SF	22 kW	3-phase 200

AC Servo Driver A6NF Series (RTEX Multifunction type)

Model number	Output	Voltage (V)
MGDLTC3NF	5.5 kW, 7.5 kW	3-phase 200
MHDLTE3NF	11 kW, 15 kW	3-phase 200
MHDLTF3NF	22 kW	3-phase 200

AC Servo Driver A6BF Series (EtherCAT type *Special Order Products for specific customers)

Model number	Output	Voltage (V)
MGDLTC3BF	5.5 kW, 7.5 kW	3-phase 200
MHDLTE3BF	11 kW, 15 kW	3-phase 200
MHDLTF3BF	22 kW	3-phase 200

■MINAS A6 Series Option Model number

Connector Kit for Motor / Encoder Connection

Model number
DV0PM20107
DV0PM20108
DV0PM20109
DV0PM20110
DV0PM20111
DV0PM20112
DV0PM20113
DV0PM20114
DV0PM20115
DV0PM20116

■MINAS A6 Series AC Servo Motor Model number

Category indications

Shaft specifications: straight = ○, with key = □

Holding brake: with = ◆

Motor I/F: JN2 = ○, JL10 = △

MINAS A6 MDMF Series 220 mm sq. (Voltage: 200 V, Oil seal: included)

Model number	Output (W)	Shaft	Holding brake	Motor I/F
MDMFC12L1C5	11 k	○		○
MDMFC12L1C6	11 k	○		△
MDMFC12L1D5	11 k	○	◆	○
MDMFC12L1D6	11 k	○	◆	△
MDMFC12L1G5	11 k	□		○
MDMFC12L1G6	11 k	□		△
MDMFC12L1H5	11 k	□	◆	○
MDMFC12L1H6	11 k	□	◆	△
MDMFC52L1C5	15 k	○		○
MDMFC52L1C6	15 k	○		△
MDMFC52L1D5	15 k	○	◆	○
MDMFC52L1D6	15 k	○	◆	△
MDMFC52L1G5	15 k	□		○
MDMFC52L1G6	15 k	□		△
MDMFC52L1H5	15 k	□	◆	○
MDMFC52L1H6	15 k	□	◆	△
MDMFD22L1C5	22 k	○		○
MDMFD22L1C6	22 k	○		△
MDMFD22L1D5	22 k	○	◆	○
MDMFD22L1D6	22 k	○	◆	△
MDMFD22L1G5	22 k	□		○
MDMFD22L1G6	22 k	□		△
MDMFD22L1H5	22 k	□	◆	○
MDMFD22L1H6	22 k	□	◆	△

The motor wire of the 22 kW motor is connected to the terminal-block type. Please refer to the catalog for details.

MINAS A6 MDMF Series 176 mm sq. (Voltage: 200 V, Oil seal: included)

Model number	Output (W)	Shaft	Holding brake	Motor I/F
MDMF752L1C5	7.5 k	○		○
MDMF752L1C6	7.5 k	○		△
MDMF752L1D5	7.5 k	○	◆	○
MDMF752L1D6	7.5 k	○	◆	△
MDMF752L1G5	7.5 k	□		○
MDMF752L1G6	7.5 k	□		△
MDMF752L1H5	7.5 k	□	◆	○
MDMF752L1H6	7.5 k	□	◆	△

MINAS A6 MGMF Series 176 mm sq. (Voltage: 200 V, Oil seal: included)

Model number	Output (W)	Shaft	Holding brake	Motor I/F
MGMF552L1C5	5.5 k	○		○
MGMF552L1C6	5.5 k	○		△
MGMF552L1D5	5.5 k	○	◆	○
MGMF552L1D6	5.5 k	○	◆	△
MGMF552L1G5	5.5 k	□		○
MGMF552L1G6	5.5 k	□		△
MGMF552L1H5	5.5 k	□	◆	○
MGMF552L1H6	5.5 k	□	◆	△

MINAS A6 MHMF Series 176 mm sq. (Voltage: 200 V, Oil seal: included)

Model number	Output (W)	Shaft	Holding brake	Motor I/F
MHMF752L1C5	7.5 k	○		○
MHMF752L1C6	7.5 k	○		△
MHMF752L1D5	7.5 k	○	◆	○
MHMF752L1D6	7.5 k	○	◆	△
MHMF752L1G5	7.5 k	□		○
MHMF752L1G6	7.5 k	□		△
MHMF752L1H5	7.5 k	□	◆	○
MHMF752L1H6	7.5 k	□	◆	△