

April 13, 2017

Motor Business Unit,  
Electromechanical Control Business Division,  
Automotive & Industrial Systems Company,  
Panasonic Corporation

**New Product Release Announcement:**  
**MINAS A6B Series AC Servo Drivers**  
**(EtherCAT Network Servo Drivers)**

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

In order to meet further market needs (faster, higher, smaller and more precise) of industrial machinery, robots and etc., we have released our New MINAS A6 Series AC Servo Motors & Drivers in November 2015, which have been receiving positive reviews. This time we would like to notify you that EtherCAT-supported network drivers will be added to the lineup.

1. Official Date of Release: A6BE Series on May 8, 2017  
A6BF Series scheduled to be released in fall of 2017  
\* Please see the accompanying sheet for the details by model number.

2. Product Features

1) MINAS A6 series EtherCAT Servo Driver

- Communication speed: 100 Mbps
- Minimum cycle time: 125  $\mu$ s (1/2 compared to conventional models)
- Industry's smallest EtherCAT Servo Drivers
- Compatible with the PANATERM setup support software <sup>(Note1)</sup>
- Compatible with the wireless LAN dongle that enables driver adjustment to be done wirelessly (coming soon)

2) High performance

- Speed response frequency: 3.2 kHz
- Load change suppression control, real-time auto tuning
- Equipped with various vibration suppression filters

3) High functionality

- Extensible EtherCAT applications  
7 control modes, 32 zero return modes, synchronous modes (2) and an asynchronous mode
- Supports full closed control \*BF Series
- Supports external scale connection \*BF Series

4) Standards

- Passed the official EtherCAT Conformance Test
- Equipped with a safety interface compliant with International Standards: IEC61800-5-2 STO and IEC61508 SIL3 \* BF Series
- Overseas Standards: CE, UL, KC

5) Compatible motors

All motors in the lineup of the MINAS A6 Series

\* Model numbers starting with MSMF, MHMF, MQMF, MDMF, and MGMF

3. Output Range  
available from 50 W to 5.0 kW
  4. Model Numbers, Prices, and Order Format  
Refer to Page 3/3.  
For the price, please send RFQ (request for quote) to our sales representatives.
  5. External dimensions and Specifications  
Refer to the information on our website in the MINAS A6 product family catalogue.  
<https://www3.panasonic.biz/ac/e/motor/fa-motor/ac-servo/a6/index.jsp>
  6. Others  
(Note 1) You can download PANATERM, the setup support software, from our website for free. Purchase any commercially available mini-B USB cable.
- EtherCAT® is registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.



MINAS A6B Series EtherCAT Servo Driver  
AC Servo Motor & AC Servo Driver      Output: 200 W

■ MINAS A6B Drivers

• MINAS A6BE Series (EtherCAT-supported network, w/o safety interface)

Model Number	Output (W)	Input Voltage (V)	Delivery Time Classification Stock Item / Built-to-Order
MADLN01BE	50	Single-phase 100	Built-to-Order
MADLN11BE	100	Single-phase 100	Built-to-Order
MBDLN21BE	200	Single-phase 100	Built-to-Order
MCDLN31BE	400	Single-phase 100	Built-to-Order
MADLN05BE	50-100	Single-phase / three-phase 200	Built-to-Order
MADLN15BE	200	Single-phase / three-phase 200	Built-to-Order
MBDLN25BE	400	Single-phase / three-phase 200	Built-to-Order
MCDLN35BE	750	Single-phase / three-phase 200	Built-to-Order
MDDL45BE	1.0 k	Single-phase / three-phase 200	Built-to-Order
MDDL55BE	1.0 k – 1.5 k	Single-phase / three-phase 200	Built-to-Order
MEDLN83BE	2.0 k	Three-phase 200	Built-to-Order
MEDLN93BE	2.4 k	Three-phase 200	Built-to-Order
MFDLNA3BE	2.0 k-3.0 k	Three-phase 200	Built-to-Order
MFDLNB3BE	3.0 k -5.0 k	Three-phase 200	Built-to-Order

• MINAS A6BF Series (EtherCAT-supported network, w/ safety interface / full-closed control)

Model Number	Output (W)	Input Voltage (V)	Delivery Time Classification Stock Item / Built-to-Order
MADLT01BF	50	Single Phase 100	Built-to-Order
MADLT11BF	100	Single Phase 100	Built-to-Order
MBDLT21BF	200	Single Phase 100	Built-to-Order
MCDLT31BF	400	Single Phase 100	Built-to-Order
MADLT05BF	50-100	Single Phase / three-phase 200	Built-to-Order
MADLT15BF	200	Single Phase / three-phase 200	Built-to-Order
MBDLT25BF	400	Single Phase / three-phase 200	Built-to-Order
MCDLT35BF	750	Single Phase / three-phase 200	Built-to-Order
MDDL45BF	1.0 k	Single Phase / three-phase 200	Built-to-Order
MDDL55BF	1.0 k – 1.5 k	Single Phase / three-phase 200	Built-to-Order
MEDLT83BF	2.0 k	Three-phase 200	Built-to-Order
MEDLT93BF	2.4 k	Three-phase 200	Built-to-Order
MFDLTA3BF	2.0 k – 3.0 k	Three-phase 200	Built-to-Order
MFDLTB3BF	3.0 k -5.0 k	Three-phase 200	Built-to-Order