

Motor capacity selection software for AC Servo Motors: "Mselect"

Information you need to know before using the software (Essential reading)

About Mselect

Saved data or file using "Servo motor capacity selection software" or "Brushless motor capacity selection software" can not be used with any other capacity selection software.

Caution

Be aware of the following points listed below.

This software is freeware. The copyright for this software is held by Panasonic Holdings Corporation. By using this software, it is assumed that you agree to "Conditions of Use" presented below.

Conditions of Use

- Please use this product for one computer.
- It is prohibited to use this product for any lease business without the authorization of right holder.
- It is prohibited by law to copy the contents of this product into hard disks, CD-R, DVD, and any other media without the authorization of the writer and the right holder.
- The producer Panasonic Industry Co., Ltd. and its right holder never take any responsibility for any case caused by usage of this product.
- Reverse engineering, reverse compiling, and reverse assembling etc. of this product are strictly forbidden.

System Requirements

Make sure that the computer on which you intend to run the software meets the minimum specifications listed below.

Item		Specifications
Personal computer	CPU	1.0 GHz or more
	Memory	1GB or more
	Hard disk	Free space of 200 MB or more
	OS	Windows 10, 11
Display	Resolution	1024 × 768 pixel or more

*1 However, it is not necessarily guaranteed that the software operates on all personal computers.

*2 If you use hardware, except the recommended hardware, you should confirm that the hardware is working correctly.

*3 Windows 8,10, 11 are trademarks of U.S. Microsoft Corporation.

How to Install

Double-click the setup file in the unzipped folder to launch the installer.

The installation screen will show up. Please follow the instruction to finish the installation.

Detailed Version-Up Information

Version-Up Information: Software Ver.3.2.1.0, Data Ver.1.1.E.9

The following points have been upgraded.

2023.3.2

- Additional models with the release of the A6 series V-Flame.
- On the motor details screen, for DC power input specification servo drivers that cannot connect an external regenerative resistor, the maximum instantaneous regenerative power is not determined and the external regenerative resistor is displayed as "Not connectable". In addition, a function has been added to display the messages "External regenerative power consumption (W)" and "Please process regenerative energy on the power supply side used."
- Added A6 series 400 V [Special order] MHMF series 200 W to 1000 W to English and Chinese versions.

Version-Up Information: Software Ver.3.2.0.0, Data Ver.1.1.E.8

The following points have been upgraded.

2022.6.16

- Due to the change of company name, the company name in related documents has also been changed.
- Added new models with the release of the A6 Series batteryless absolute encoder type.
- Corrected the regenerative allowable power of A6 Series driver D frame 200 V, A5 series driver C frame 200 V, D frame 200 V, E frame 200 V, F frame 200 V, A5 series (English / Chinese version) driver D frame 400 V, E frame 400 V, F frame 400 V.
- Corrected the instantaneous regenerative power of the A5 Series driver (F frame 200 V).

Version-Up Information: Software Ver.3.1.9.0, Data Ver.1.1.E.7

The following points have been upgraded.

2020.7.20

- Added A6 series 400 V [Special order] MSMF series 1 kW to 5 kW, MHMF series 1 kW to 5 kW, MDMF series 1 kW to 5 kW and MGMF series 0.85 kW to 4.4 kW to English and Chinese versions.

Version-Up Information: Software Ver.3.1.8.0, Data Ver.1.1.E.6

The following points have been upgraded.

2019.9.5

- Newly added A6 series motors MDMF series 7.5 kW, 11 kW, 15 kW, 22 kW, MGMF series 5.5 kW, MHMF series 7.5 kW and corresponding drivers G frame and H frame.
- Removed A4-series (including A4P-series) due to product discontinuance.

Version-Up Information: Software Ver.3.1.7.0, Data Ver.1.1.E.5

The following points have been upgraded.

2018.5.15

- Newly added A6-series MGMF type 2.4kW motor and driver (frame-E).
- Newly added models for geared servomotors.
- Newly added connector kit part number DV0PM20103. Deleted part number DV0PM20025.
- Newly added connector kit DV0PM20102 (for RS485, 232C communication). Deleted part number DV0PM20024.
- Corrected inertia ratio from "below 20:1" to "below 15:1" for models MSMF092L1** and MHMF092L1**.
- Fixed the bug which caused errors on some windows systems where the settings of decimal symbol "comma" was not used.

Version-Up Information: Software Ver.3.1.6.0, Data Ver.1.1.E.4

The following points have been upgraded.

2016.5.31

- Added new models according to A6 Series release.
- Modified that the continuous stall torque is used for the judgement of the holding torque at stop when the stall torque factor is available for the input value.

Version-Up Information: Software Ver.3.1.5.0, Data Ver.1.1.E.3

The following points have been upgraded.

2015.10.7

- Modified the indication of motor rotation speed when we input "-" (minus)"into rotation speed on the running pattern graphic.
- Modified indication of the optional regenerative resistor selection.
Before : No indication of required specification of the regenerative resistor, Resistor value (ohm) and Wattage (W) when the result is over our option resistor specification.
After : Indicated.

Version-Up Information: Software Ver.3.1.4.0, Data Ver.1.1.E.3

The following points have been upgraded.

2015.8.6

- The description of the name of the company of a related document is changed along with the company name change.
- Added the tab of "Other 2 " and the discription of the safety bypassplug number of DV0P20094 in this tab.

Version-Up Information: Software Ver.3.1.3.0, Data Ver.1.1.E.2

The following points have been upgraded.

2014.3.17

- Changed the source code from Visual Basic to Delphi.
- Added new models in association with the release of A5 and A5 II series.
- Added CAD data function.
- The calculation of the regenerative resistor load ratio was changed to use the S-curve torque at the peak wattage.
- The result of the effective torque calculation at the S-curve shapes of acceleration and deceleration being selected was modified to meet the same result of the effective torque calculation at the linear shapes of acceleration and deceleration being selected.
- Revised some data of the inertia ratio.
- Revised some data of the external regenerative resistor.
- Revised some data of the maximum speed.

Version-Up Information: Software Ver.3.1.2.0, Data Ver.1.1.E.1

The following points have been upgraded.

2013.5.21

- The description of the name of the company of a related document is changed along with the company name change.
- Added "Chinese Language" (Simplified Chinese) support to the language switching function.
- With the addition of new language, the layout of the "screen display and print sheet" was modified.

Version-Up Information: Software Ver.3.1.0.3, Data Ver.1.1.0.3

The following points have been upgraded.

2009.12.22

- Added new models in association with the release of A5 series and A5E series.
- The start defect problem when the language of different decimal separator use is set is corrected.

Version-Up Information: Software Ver. 3.1.0.2, Data Ver. 1.1.0.2

The following points have been upgraded.

2008.11.14

- The description of the name of the company of a related document is changed along with the company name change.

- The print layout is improved.
- The print preview function is improved.

Version-Up Information: Software Ver. 3.1.0.1, Data Ver. 1.1.0.1 [Only Japanese version]

The following points have been upgraded.

2008.11.14

- CAD data catalog software used for CAD data output was changed from Panasonic_Motor_PowerPARTS into PARTdataManager.
- All of the CAD data output functions were revised as corresponding CAD data catalog software was changed.
- Corrected a problem with display.
- Corrected problems with internal calculation and database linkage processing.
- Changed manual (help) format.

Version-Up Information: Software Ver. 3.0.0.3, Data Ver. 1.0.0.6

The following points have been upgraded.

2007.4.27

- Added A4-series "MDMA series 7.5kW and MGMA series 6.0kW and MHMA series 7.5kW".
- Added A4 and A4Pseries "Straight Shaft" version.
- Added the input item of "mass of the belt" in the mechanism element of the "Timing belt" in motor capacity selection calculation.

Version-Up Information: Software Ver. 3.0.0.3, Data Ver. 1.0.0.5

The following points have been upgraded.

2006.1.31

- Debugged;
 1. A part # of a cable(optional) for MAMA series/A4 andA4P series.
 2. Judgement level of OK,RMK,NG in case of S-curve motion.