

# EU Declaration of Conformity

## 1. Product range

Mentor MP Adjustable speed DC motor drives, including option modules and accessories.

## 2. Name and address of the manufacturer and authorised representative

<b>Manufacturer</b> Nidec Control Techniques Ltd The Gro Newtown Powys SY16 3BE UK  Registered in England and Wales. Company Reg. No. 01236886	<b>Authorised representative in the EU</b> Nidec Netherlands B.V. Kubus 155 3364 DG Sliedrecht Netherlands.
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## 3. Responsibility

This declaration is issued under the sole responsibility of the manufacturer.

## 4. Object of the declaration

### Variable speed drives

Voltage Rating			Frame
480 V	575 V	690 V	
MP25A4(R), MP45A4(R), MP75A4(R)	MP25A5(R), MP45A5(R), MP75A5(R)		1A
MP105A4(R), MP155A4(R), MP210A4(R)	MP105A5(R), MP155A5(R), MP210A5(R)		1B
MP350A4(R), MP420A4(R), MP550A4(R)	MP350A5(R), MP470A5(R)	MP350A6(R), MP470A6(R)	2A
MP700A4(R), MP825A4(R), MP900A4(R)	MP700A5(R), MP825A5(R)	MP700A6(R), MP825A6(R)	2B
MP1200A4, MP1850A4	MP1200A5, MP1850A5	MP1200A6, MP1850A6	2C
MP1200A4R, MP1850A4R	MP1200A5R, MP1850A5R	MP1200A6R, MP1850A6R	2D

The model number may be followed by additional characters that do not affect the ratings.

### Accessories

Model No.	Model number
Option modules	SM-Universal Encoder Plus, SM-Encoder Plus, SM-Encoder Output Plus, 15-way D-type converter, Single ended encoder interface, SM-I/O Plus, SM-I/O 32, SM I/O Lite, SM I/O Timer, SM-I/O PELV, SM I/O 120V, SM-I/O 24V Protected, SM-Applications Plus, SM-Applications Lite V2, SM-Register, SM-Profibus DP-V1, SM-DeviceNet, SM-Interbus, SM-CANopen, SM-Ethernet, SM-EtherCAT,
External field controller	FXMP25
Displays, keypads and other accessories	SM-Keypad, MP-Keypad, CT Comms cable,

## 5. Declaration

The object of the declaration is in conformity with the relevant European Union harmonisation legislation.

<b>EU legislation</b>
Low Voltage Directive (2014/35/EU)
Electromagnetic Compatibility Directive (2014/30/EU)
Restriction of Hazardous Substances Directive (2011/65/EU), as last amended in 4 <sup>th</sup> June 2015, published as Directive (EU) 2015/863.

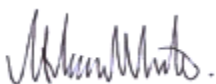
## 6. References to the relevant harmonised EN standards

The variable speed drive products listed above have been designed and manufactured in accordance with the following European harmonised standards:

EN 61800-5-1: 2007	Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy
EN 61800-3: 2004 + A1: 2012	Adjustable speed electrical power drive systems - Part 3: EMC requirements and specific test methods
EN 61000-6-2: 2005	Electromagnetic compatibility (EMC) - Part 6-2: Generic standards - Immunity for industrial environments
EN 61000-6-4: 2007 + A1: 2011	Electromagnetic compatibility (EMC) - Part 6-4: Generic standards - Emission standard for industrial environments
EN 61000-3-2: 2014	Electromagnetic compatibility (EMC) - Part 3-2: Limits for harmonic current emissions (equipment input current ≤16 A per phase)
EN 61000-3-3: 2013	Electromagnetic compatibility (EMC) - Part 3-3: Limitation of voltage changes, voltage fluctuations and flicker in public, low voltage supply systems, for equipment with rated current ≤16 A per phase and not subject to conditional connection

EN 61000-3-2: 2014 Applicable where input current < 16 A. No limits apply for professional equipment where input power ≥ 1 kW.

## 7. Responsible person



Jon Holman-White  
 Vice President, Research and Development  
 Nidec Control Techniques Ltd  
 Date: 20<sup>th</sup> February 2023  
 Newtown, Powys, UK.

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### **IMPORTANT NOTE**

These products are Basic Drive Modules, intended to be used with motors, controllers, electrical protection components and other equipment to form Power Drive Systems. Compliance with safety and EMC regulations depends upon installing and configuring the drive modules correctly.

The drives must be installed only by professional installers who are familiar with requirements for safety and EMC. Refer to the Safety information and Installation instructions supplied with the drive. The installer is responsible for ensuring that the Power Drive System complies with all applicable laws in the country where it is to be used.