

Modular system

Single-axis inverter IndraDrive M - HMS



Modular system

Single-axis inverter ■ IndraDrive M - HMS**Documentation**

- Operating instructions
- Engineering help

**Technical data**

| | | HMS01.1N-W0020 | HMS01.1N-W0036 | HMS01.1N-W0054 | HMS01.1N-W0070 | HMS01.1N-W0110 |
|--|--------|--|----------------|----------------|----------------|----------------|
| Performance data | | | | | | |
| Continuous current | [A] | 12.1 | 21.3 | 35 | 42.4 | 68.5 |
| Maximum current | [A] | 20 | 36 | 54 | 70.7 | 110 |
| Motor rated capacity, typical | [kW] | 5.5 | 11 | 18.5 | 22 | 30 |
| Input voltage | [V] | DC 254...750 V | | | | |
| Intermediate circuit | | | | | | |
| Switching frequency/max. output frequency | 4 kHz | 0 ... 400 Hz | | | | |
| | 8 kHz | 0 ... 800 Hz | | | | |
| | 12 kHz | 0...1200 Hz | | | | |
| | 16 kHz | 0...1600 Hz | | | | |
| Output voltage | [V] | 3 x AC 0...500 V | | | | |
| DC bus voltage | [V] DC | 254...750 V | | | | |
| Control voltage | | | | | | |
| Power consumption without control unit and motor brake | [W] | 10 | 15 | 10 | 16 | 34 |
| Protection | | | | | | |
| EMC | | EN 61800-3 [↔] | | | | |
| Cooling type | | Air cooling | | | | |
| Norms and Standards | | | | | | |
| Certification | | EN 61800-5-1 [↔] UL 508 C [↔] | | | | |
| Weight | | | | | | |
| Weight | [kg] | 5.27 | | 6.68 | 7.94 | 11.06 |
| | | HMS01.1N-W0150 | HMS01.1N-W0210 | HMS01.1N-W0350 | HMS02.1N-W0028 | HMS02.1N-W0054 |
| Performance data | | | | | | |
| Continuous current | [A] | 99.7 | 150.7 | 250 | 13.82 | 25 |
| Maximum current | [A] | 150 | 210 | 350 | 28.3 | 54 |

Modular system

Single-axis inverter ■ IndraDrive M - HMS

| | | | | | | |
|--|--------|------------------------------|-------|-------|-------------|-------------|
| Motor rated capacity, typical | [kW] | 55 | 75 | 0 | | |
| Input voltage | [V] | DC 254...750 V | | | | |
| Intermediate circuit | | | | | | |
| Switching frequency/max. output frequency | 4 kHz | 0 ... 400 Hz | | | | |
| | 8 kHz | 0 ... 800 Hz | | | | |
| | 12 kHz | 0...1200 Hz | | | | 0...1200 Hz |
| | 16 kHz | 0...1600 Hz | | | 0...1600 Hz | |
| Output voltage | [V] | 3 x AC 0...500 V | | | | |
| Intermediate circuit capacity | [mF] | 0 | 4.9 | 0.135 | 0.27 | |
| DC bus voltage | [V] DC | 254...750 V | | | | |
| Control voltage | | | | | | |
| Power consumption without control unit and motor brake | [W] | 23 | 75 | 218 | 13 | 17 |
| Protection | | | | | | |
| EMC | | EN 61800-3 ↔ | | | | |
| Cooling type | | Air cooling | | | | |
| Norms and Standards | | | | | | |
| Certification | | EN 61800-5-1 ↔ UL 508 C ↔ | | | | |
| Weight | | | | | | |
| Weight | [kg] | 12.74 | 16.44 | 31.7 | 3.5 | 5 |

Dimensions

| | | HMS01.1N-W0020 | HMS01.1N-W0036 | HMS01.1N-W0054 | HMS01.1N-W0070 | HMS01.1N-W0110 |
|-------------------|------|----------------|----------------|----------------|----------------|----------------|
| Dimensions | | | | | | |
| Height H | [mm] | 440 | 440 | 440 | 440 | 440 |
| Width B | [mm] | 50 | 50 | 75 | 100 | 125 |
| Depth T | [mm] | 262 | 262 | 262 | 262 | 262 |
| | | HMS01.1N-W0350 | HMS01.1N-W0210 | HMS01.1N-W0150 | HMS02.1N-W0028 | HMS02.1N-W0054 |
| Dimensions | | | | | | |
| Height H | [mm] | 440 | 440 | 440 | 352 | 352 |
| Width B | [mm] | 350 | 200 | 150 | 50 | 75 |
| Depth T | [mm] | 262 | 262 | 262 | 205 | 205 |

Components

| Description | Page | Details |
|--------------|-------------|---------------------------------|
| Servo drives | Firmware 1G | IndraDrive (MPH, MPB, MPD, MPC) |

Modular system

Single-axis inverter ■ IndraDrive M - HMS

| Description | Page | Details |
|--------------|------------------|---------------------------------------|
| Servo drives | Firmware 2G | IndraDrive (MPE, MPB/MPM, MPC) |
| Servo drives | Control units 1G | IndraDrive (BASIC, ADVANCED) |
| Servo drives | Control units 2G | IndraDrive (ECONOMY, BASIC, ADVANCED) |

Bosch Rexroth AG

Postfach 13 57
97803 Lohr, Germany
Bgm.-Dr.-Nebel-Str. 2
97816 Lohr, Germany
Tel. +49 9352 18-0
Fax +49 9352 18-8400
www.boschrexroth.com/electrics

Local contact information can be found at:

www.boschrexroth.com/adressen

The data specified above only serve to describe the product. As our products are constantly being further developed, no statements concerning a certain condition or suitability for a certain application can be derived from our information. The information given does not release the user from the obligation of own judgment and verification.

It must be remembered that our products are subject to a natural process of wear and aging.