

N° :

## DATASHEET

Date : 19 janv. 2021

### Universal drive IP20 with options

Unidrive M400-06400420A10100AB100

keypad ;

### Definition

|                         |  |
|-------------------------|--|
| Product range           | Unidrive   |
| Model                   | M400-064-00420A  |
| Model                   | 400 (2 STO - 1 SI option - CodeSys) 6 pulses - internal choke (A)            |
| Onboard Comms           | Optionnal comms (1 option slot)  |
| Onboard intelligence    | Machine Control Studio (IEC61131-3)  |
| Control Connections     | 2 STO / 2 AI (0-10V & 4-20mA) + 2 AO (0-10V & 4-20mA) + 5 DI + 2 DIO + 1 RLY |
| Product cooling version | Air cooling (A)  |



### Electrical characteristics

#### Network side electrical characteristics

|                                    |                               |
|------------------------------------|-------------------------------|
| Power supply number of phases      | 3                             |
| Power supply voltage and frequency | 380 to 480V (±10%) 45 to 66Hz |
| Power supply nominal current (A)   | 46.0                          |

#### Motion side electrical characteristics

#### Heavy duty / Open loop control mode

|  |                      |
|--|----------------------|
| Continuous output current (A)                                  | 42.00 @ 3 kHz - 40°C |
| Output maximal current (A)                                     | 63.00                |
| Maximum overload duration from 100% Ico (s) / repetitivity (s) | 7.00 / 600.00        |
| Maximum overload duration from cold (s) / repetitivity (s)     | 60.00 / 600.00       |

| Power supply voltage (V ±10%) | Power supply number of phases | Power supply nominal current (A) | Overload    | Maximum ambient temperature (°C) | Switching frequency (kHz) | Continuous output current (A) | Losses (W) |
|-------------------------------|-------------------------------|----------------------------------|-------------|----------------------------------|---------------------------|-------------------------------|------------|
| 400                           | 3                             | 46.0                             | Heavy duty  | 40                               | 3                         | 42.0                          | 455        |
|                               |                               |                                  |             | 50                               | 3                         | 42.0                          | 455        |
|                               |                               |                                  | Normal duty | 40                               | 3                         | 48.0                          | 515        |
|                               |                               |                                  |             | 50                               | 3                         | 48.0                          | 515        |

| Power supply voltage (V ±10%) | Power supply number of phases | Surcharge   | Mode de fonctionnement | Output maximal current (40°C) (A) | Maximum overload duration from 100% Ico (s) | Maximum overload duration from cold (s) |
|-------------------------------|-------------------------------|-------------|------------------------|-----------------------------------|---|---|
| 400                           | 3                             | Heavy duty  | Open loop control mode | 63.0                              | 7.00  | 60.00                                   |
|                               |                               | Normal duty | Open loop control mode | 52.8                              | 9.00  | 165.00                                  |

### characteristics

|                    |                |                               |      |
|--------------------|----------------|-------------------------------|------|
| Size               | 06             | Drive flow rate (m3/h)        | 130  |
| Dimensions (HxWxD) | 365 x 210 x227 | acoustic noise (dB(A))        | 55.6 |
| Weight (kg)        | 14.00          | Maximal altitude (m)          | 1000 |
| Protection indice  | IP20           | Maximal relative humidity (%) | 95   |

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**Power options, network side**

| Line choke | In (A) | Inductance (mH) | Losses (W) | Dimensions (HxWxD) | Weight (kg) |
|------------|--------|-----------------|------------|--------------------|-------------|
| -          | 0      | 0               | 0          | 0 x 0 x 0          | 0.0         |

**Power options, motion side**

| Braking transistor | Braking transistor Included |
|--------------------|-----------------------------|
|                    |                             |

**Integral options**

|  |                             |
|--|-----------------------------|
| Integrated control interface               | Without display and setting |
| HMI / keypad                               | CI-KEYPAD LCD               |
| PC communication interface                 | -                           |
| Option slot SM/SI 1                        | -                           |
| Option slot SM/SI 2                        | -                           |
| Option slot SM/SI 3                        | -                           |
| AI Option / Smartcard slot                 | -                           |
| HD15 / terminals feedback device interface | -                           |

**Environmental options**

|                              |   |
|------------------------------|---|
| IP / UL / through panel kits | - |
| Product fan management       | - |

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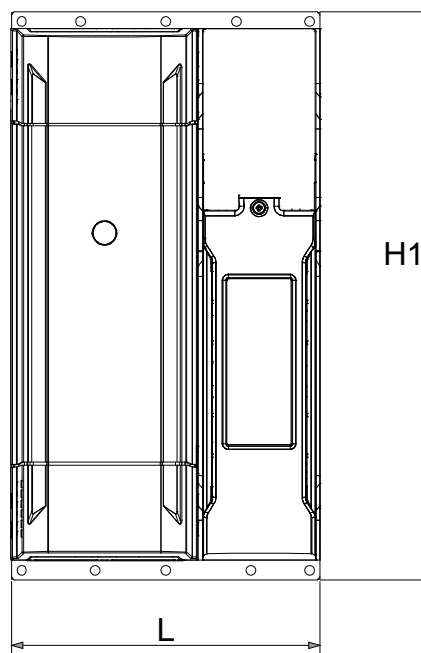
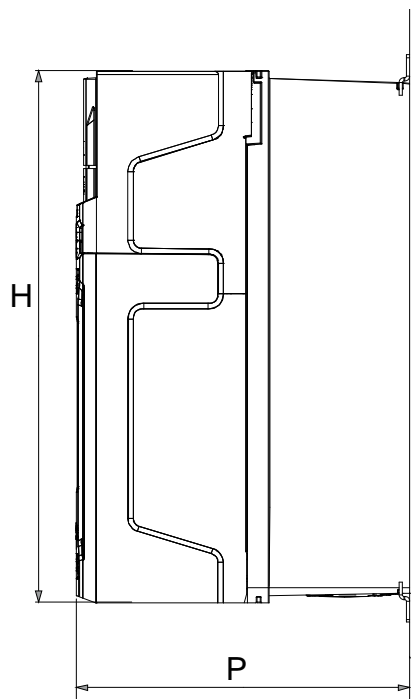
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Version V8.305

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Variable speed drive (6 pulses) : Unidrive M400-06400420A10100AB100



|         |     |
|---------|-----|
| H (mm)  | 365 |
| H1 (mm) | 391 |
| H2 (mm) | 0   |

|        |     |
|--------|-----|
| L (mm) | 210 |
|--------|-----|

|         |     |
|---------|-----|
| P (mm)  | 227 |
| P1 (mm) | 0   |

|                   |       |
|-------------------|-------|
| Weight (kg)       | 14.00 |
| Total weight (kg) | 14.15 |

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