

N° :

## DATASHEET

Date : 18 janv. 2021

### Universal drive IP20

Commander C200-08401570A10100AB100

### Definition

|                         |                                                                      |
|-------------------------|----------------------------------------------------------------------|
| Product range           | Commander                                                            |
| Model                   | C200-084-01570A                                                      |
| Model                   | 200 (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     | No STO / 2 AI (0-10V & 4-20mA) + 1 AO (0-10V) + 4 DI + 1 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 ( $\pm 10\%$ ) 45 to 66Hz |
| Power supply nominal current (A)   | 177.0                                 |

#### Motion side electrical characteristics

#### Heavy duty / Open loop control mode

|                                                                |                       |
|----------------------------------------------------------------|-----------------------|
| Continuous output current (A)                                  | 157.00 @ 3 kHz - 40°C |
| Output maximal current (A)                                     | 235.50                |
| 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 $\pm 10\%$ ) | 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                             | 177.0                            | Heavy duty  | 40                               | 3                         | 157.0                         | 1541       |
|                                      |                               |                                  |             | 50                               | 3                         | 146.0                         | 1564       |
|                                      |                               |                                  | Normal duty | 40                               | 3                         | 184.0                         | 2004       |
|                                      |                               |                                  |             | 50                               | 3                         | 184.0                         | 1957       |

| Power supply voltage (V $\pm 10\%$ ) | 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 | 235.5                             | 7.00                                        | 60.00                                   |
|                                      |                               | Normal duty | Open loop control mode | 202.4                             | 9.00                                        | 165.00                                  |

### characteristics

|                    |                 |                               |      |
|--------------------|-----------------|-------------------------------|------|
| Size               | 08              | Drive flow rate (m3/h)        | 165  |
| Dimensions (HxWxD) | 753 x 310 x 290 | acoustic noise (dB(A))        | 67.9 |
| Weight (kg)        | 52.00           | Maximal altitude (m)          | 1000 |
| Protection indice  | IP20            | Maximal relative humidity (%) | 95   |

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Version V8.305

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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               | Local controls and access to the basic parameters |
|--------------------------------------------|---------------------------------------------------|
| HMI / keypad                               | -                                                 |
| 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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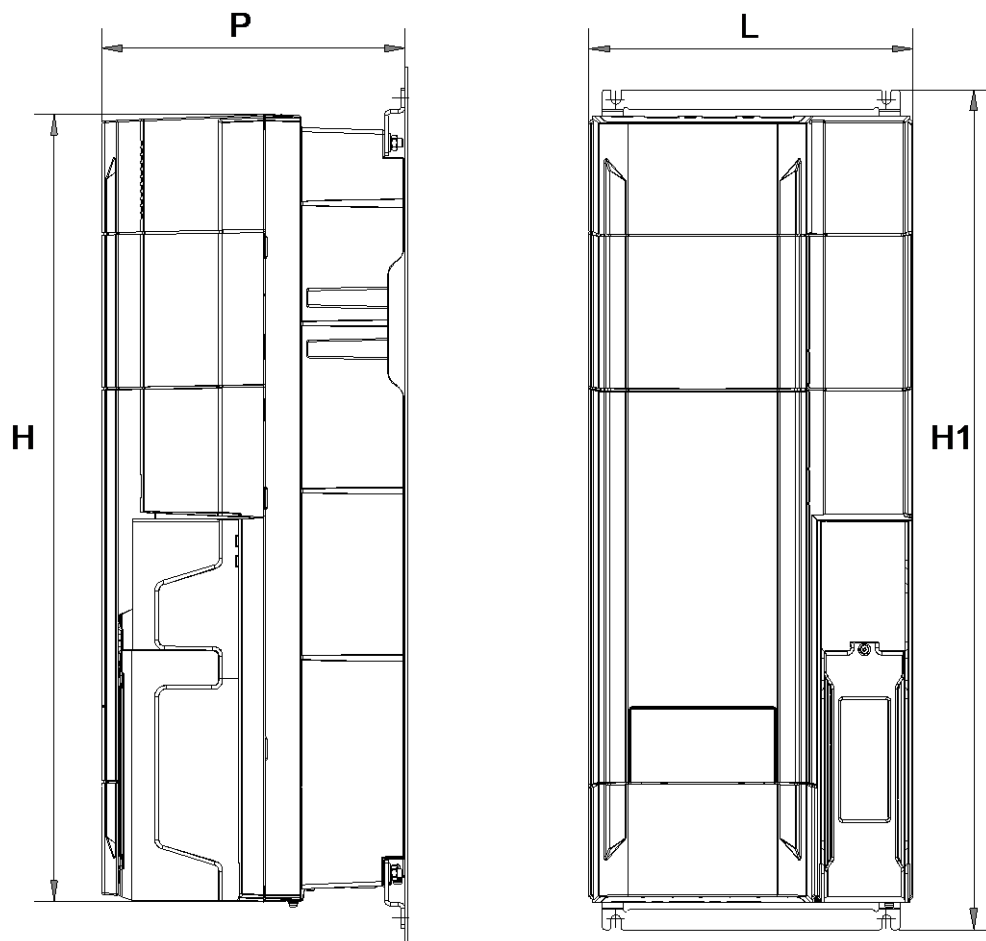
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Variable speed drive (6 pulses) : Commander C200-08401570A10100AB100



|         |     |
|---------|-----|
| H (mm)  | 753 |
| H1 (mm) | 803 |
| H2 (mm) | 0   |

|        |     |
|--------|-----|
| L (mm) | 310 |
|--------|-----|

|         |     |
|---------|-----|
| P (mm)  | 290 |
| P1 (mm) | 0   |

|                   |       |
|-------------------|-------|
| Weight (kg)       | 52.00 |
| Total weight (kg) | 52.00 |

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