

Data sheet

VECTOPOWER M VP600-18W369-78.9.02.11.00.0

Art. no. VP600-18W369-78.9.02.11.00.0

Environmental influences validated acc. to:

- Sinusoidal vibration acc. to EN 60068-2-6 from 10 - 500 Hz 5 g / 0.7 mm
- Permanent shock acc. to EN 60068-2-27... 40 g / 6 ms
- Shock test acc. to EN 60068-2-27 50 g / 11 ms
- Free fall acc. to EN 60068-2-31 250 mm
- Sinusoidal vibration acc. to DNVGL-CG-0339 ... Class B
- Broadband noise acc. to EN 60068-2-64 ISO 16750, Test VII

Strain-relieved cable routing is necessary to achieve the specifications of EN 60068-2-64.

Cooling

- Liquid cooling yes
- Coolant connection G 3/4"
- Flow rate, in l/min 30...40
- Min. temperature of the coolant, in °C -25
- Max. temperature of the coolant with derating, in °C +75
- Max. temperature of the coolant without derating, in °C +45
- Coolant water and glycol

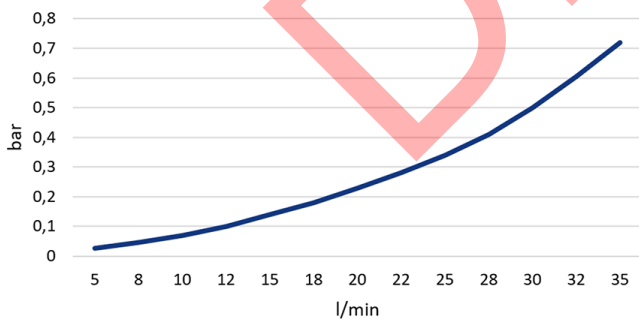


Figure 1: Pressure drop in the cooling system

Protective measures

- Short circuit rating acc. to EN 62477-1 10 kA / 1 ms
- Power section: switch-off threshold adjustable
- Control section: switch-off thresholds for under-/overvoltage
- Thermal protection of inverter and motor by peak current and temperature monitoring
- Thermal monitoring of the motor by temperature inputs, freely programmable warning and error thresholds
- Monitoring of overcurrent, short circuit, total current and DC link voltage
- Active short circuit application-specific adjustable

More information

- Reference reports can be found at www.aradex.com
- Detailed technical data can be found in the installation manual in the product description chapter.
- Quick start guide, installation manual, safety manual, VEConfig operating manual and VE operating manual can be requested by mail via sales@aradex.com.
- The VEConfig software is available as a download from the Microsoft Store: <https://www.microsoft.com/store/productId/9N1P7CFQT04S>

Data sheet

VECTOPOWER M VP600-18W369-78.9.02.11.00.0

Art. no. VP600-18W369-78.9.02.11.00.0

Location, dimensions and designation of the connections

L x W x H with sockets on the device, in mm 529 x 470 x 136

Weight, in kg 35

All dimensions in the drawings are in millimeters. The drawings may show optional accessories.

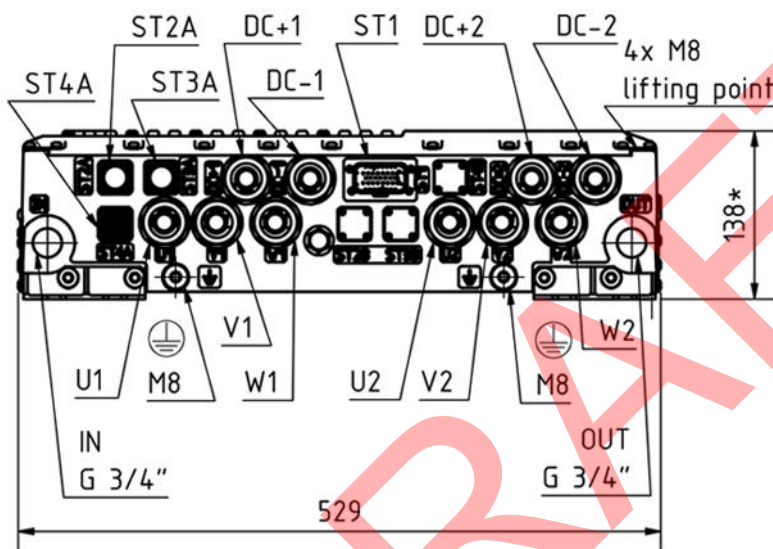



Figure 2: Front view, position of the connections (Figure similar)

- [DC+1], [DC-1]: Power connections for DC link, power stage 1
- [DC+2], [DC-2]: Power connections for DC link, power stage 2
- [U1], [V1], [W1]: Power connections for motor circuit, power stage 1
- [U2], [V2], [W2]: Power connections for motor circuit, power stage 2
- : Protective conductor
- [ST1]: Signal connection for CAN, RS-232, HW release, Interlock, supply voltage
- [ST2A]: Signal connection for resolver, eddy current type encoder for both power stages together.
- [ST3A]: Signal connection for incremental encoder with/without absolute track for both power stages together
- [ST4A]: Signal connection for external voltage measurement, for both power stages together
- [IN]: Cooling flow
- [OUT]: Cooling return

Data sheet

VECTOPOWER M VP600-18W369-78.9.02.11.00.0

Art. no. VP600-18W369-78.9.02.11.00.0

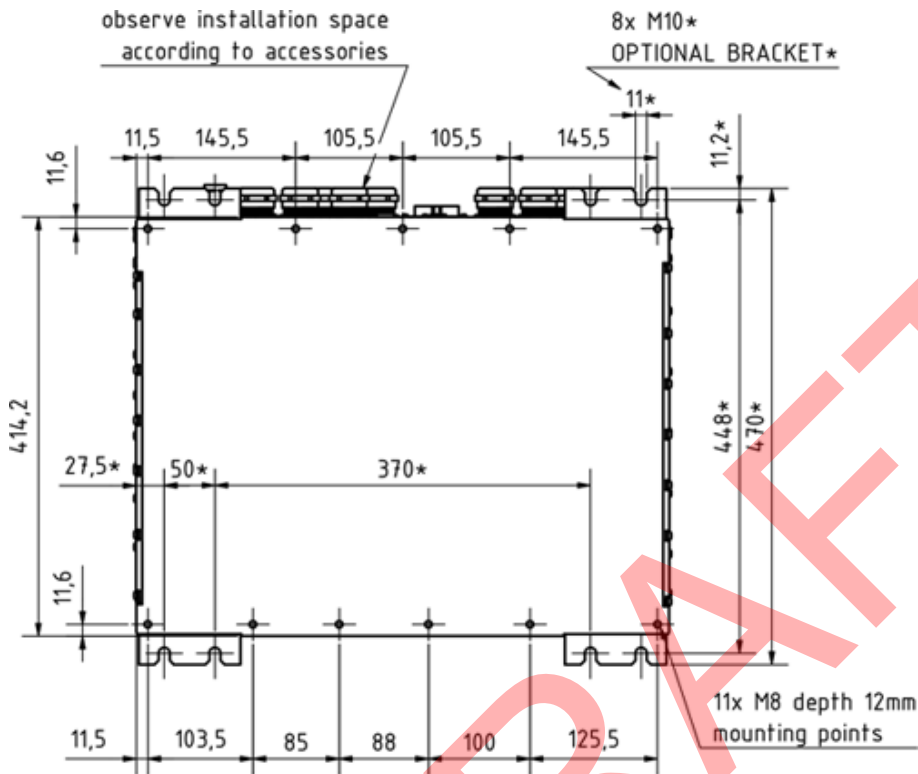


Figure 3: View from below with hole pattern