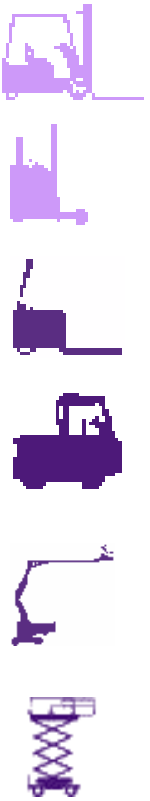


STANDARD CONTROLLER FEATURES

- ◆ High Frequency – silent operation
- ◆ Torque/speed control
- ◆ Regenerative braking
- ◆ Integrated logic unit
- ◆ **Flash** memory
- ◆ Calibrator interface
- ◆ Soft start pump option
- ◆ Diagnostic LED



High Power 4 Quadrant PM Applications

The MillipaK series of controllers offer the most compact designs in the PowerpaK range and use new patented power technology and PowerpaK switching principles. The MillipaK range offers a cost effective solution for low to high power applications such as pallet trucks, sweepers, scissor lifts, golf carts and other electric vehicles fitted with Permanent Magnet DC motors.

The most striking characteristic of the MillipaK range is its physical size. The ultra compact design provides an unrivalled power – dimension ratio which optimises the power /size / cost relationship.

The primary benefits of the MillipaK are as follows: -

- ◆ **Contactless Direction Changing** – eliminating delays and the need for contactor maintenance.
- ◆ **Adjustable Regen Braking** – Regen braking on a conventional series motor typically requires additional electronic circuitry and a solenoid contactor.
- ◆ **Built-in Speed control** – the MillipaK can control the motor in either Torque or Closed Loop speed control modes, selectable using the handheld calibrator.

Millipak™ SEVCON

SEVCON

Sevcon Limited
Kingsway
Gateshead, NE11 0QA
England
Tel: +44 191 497 9000
Fax: +44 191 482 4223
Email: sales@sevcon.com

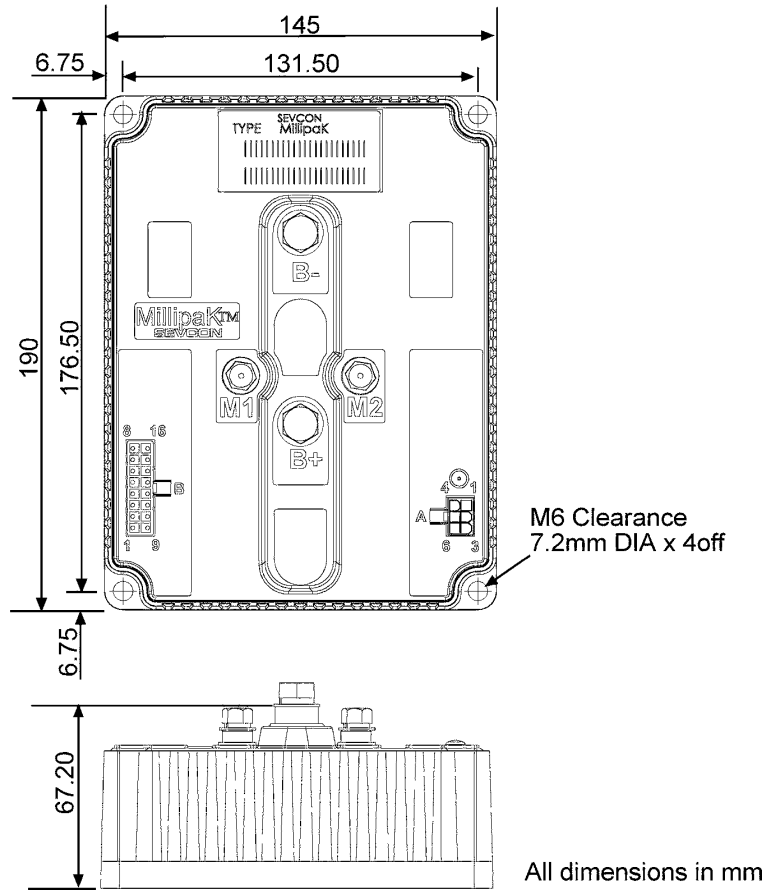
Sevcon SA
12 Rue Jean Poulmarch
95100 Argenteuil
France
Tel: +33 1 34 10 95 45
Fax: +33 1 34 10 61 38
Email: ggsevcon@world-net.net

Sevcon, Inc.
40 North Avenue
Burlington, MA 01803-3391
USA
Tel: +1 781 272 3612
Fax: +1 781 272 1953
Email: sales@sevcon-us.com

Sevcon Japan
1-22-10-303
Setagaya Daita
Setagaya-Ku
Tokyo
Japan, 155-0022
Tel: +81 3 5430 8001
Fax: +81 3 5430 4001
Email: sevcon.japan@sevcon.com

Sevcon Asia Limited
4FL, Eun-Hae Building
463-1, Sahng-dong
Wonmee-Gu, Bucheon City
Kyunggi-Do
420-030, Korea
Tel: +82 32 215 5070
Fax: +82 32 215 8027
Email: sevcon.asia@sevcon.com

Web: www.sevcon.com



Millipak 4Q Electrical Specification

Voltage	Armature Current 1 Minute	Armature Current 1 Hour	Soft Start
24/48V	180A	80A	
24/48V	325A	130A	
24/48V	325A	130A	100A

Millipak 4Q Outline Specification

Enclosure protected to IP66
Vibration 6G, 40 – 200Hz, 1 hour in x, y, and z planes
Operating temperature – 30°C to +40°C
Storage temperature – 40°C to +70°C
Frequency 16KHz
Dimensions 137.35 (L) * 137.35 (W) * 58.6 (H) mm
Dimensions 190.35 (L) * 145.35 (W) * 58.6 (H) mm (325A models)

This product bulletin is for outline specification only. For specific application data; the full engineering specifications available from Sevcon should be used. Sevcon is constantly striving to improve its products and reserves the right to alter specifications without notice.

Rev 11 Jan. 01

