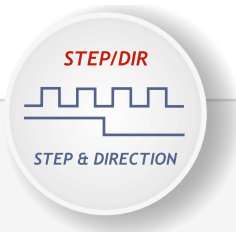


# Combo Unit: **HI-MOD B**



## INTRODUCTION

- Series of stepper motors with integrated ministepped bipolar chopper drives equipped with STEP & DIRECTION interface.
- Compact system housed in a metallic box mounted on motor body, minimizing dimensions and optimizing wiring and mounting easiness.
- Target: distributed electronics applications requiring great dynamic performance, high reliability and compactness.
- UL/CSA certified.

## HIGHLIGHTS

- Microstepping function up to 4.000 step/rev.
- Communication by means of STEP & DIRECTION interface.
- Electronic resonance damping circuit to ensure acoustic noise and mechanic vibrations reduction at low speed.
- Available with three motor sizes NEMA 34 - □ 86 mm. (1, 2 and 3 stack). It is ideal for distributed electronics applications.

FILE NUMBER: E355001



### HI-MOD X<sub>1</sub> - X<sub>2</sub> - X<sub>3</sub> - X<sub>4</sub> - X<sub>5</sub> - n

X<sub>1</sub> = Electronic features

X<sub>2</sub>X<sub>3</sub>X<sub>4</sub>X<sub>5</sub> = Motor type and power

n = Release software

B: STEP & DIRECTION

X<sub>2</sub> = Maximum power  
 X<sub>3</sub> = Mechanical hardware identification  
 X<sub>4</sub> = Motor type  
 X<sub>5</sub> = Motor current

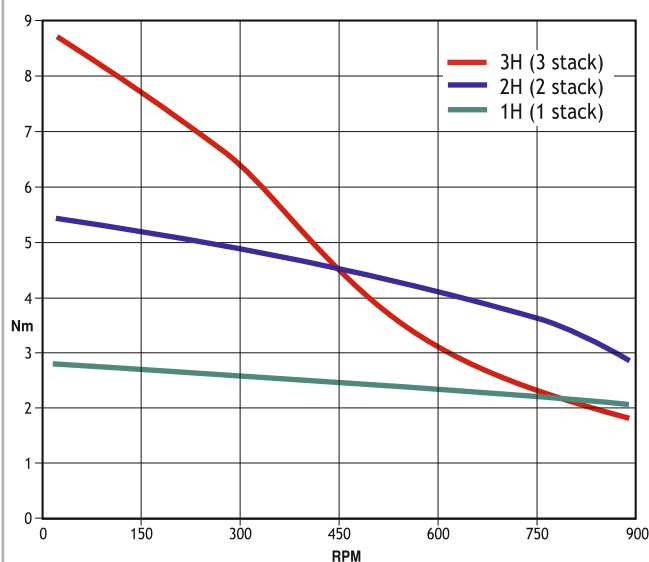
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## TECHNICAL FEATURES

- Range of operating voltages: 32-75 V<sub>DC</sub>.
- Microstepping: 400, 800, 1.600, 3.200 and 500, 1.000, 2.000, 4.000 steps /revolution. Setting by means of a rotatory dip-switch.
- Automatic current reduction at motor standstill.
- Protections:
  - Protection against under-voltage and over-voltage.
  - Protection against a short-circuit at motor outputs.
  - Overtemperature protection.
- Electronic resonance damping circuit to ensure acoustic noise and mechanic vibrations reduction at low speed.
- Optoinsulated inputs and outputs.
- High efficiency CHOPPER with MOSFET final stage output.
- UL/CSA certified.



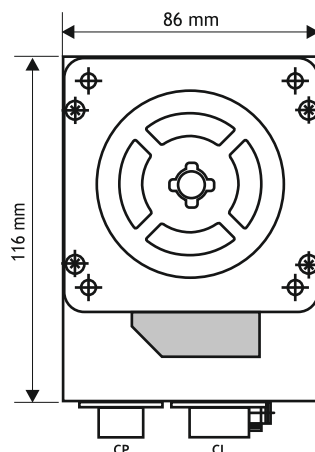
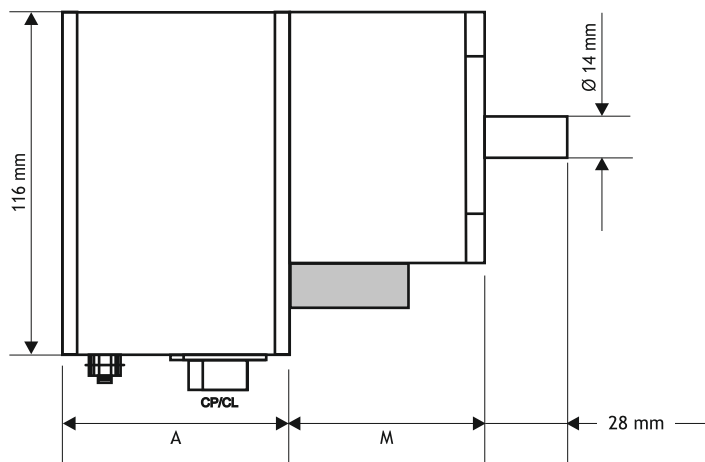
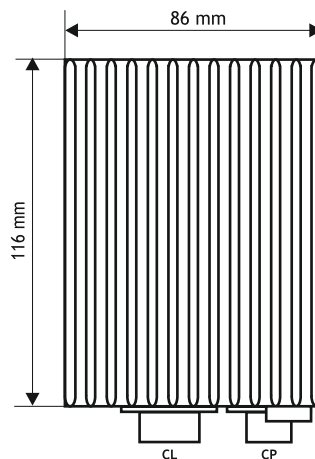
## HI-MOD 3,4" MOTORS (□ 86 mm) TORQUE CURVE - 75 V<sub>DC</sub>



## MECHANICAL DIMENSIONS

Model	A Length (mm)
HI-MOD B	78.0

Type	M Length (mm)
1H	66.0
2H	96.5
3H	127.0



R.T.A. s.r.l.  
Via E. Mattei - Fraz- Divisa  
27020 Marcignago (PV) (Italy)  
T +39.0382.929.855  
F +39.0382.929.150  
www.rta.it

R.T.A. Deutschland GmbH  
Bublitzer Strasse 34, 40599  
Duesseldorf (Germany)  
T +49.211.749.668.60  
F +49.211.749.668.66  
www.rta-deutschland.de

R.T.A. IBERICA  
C/Generalitat 22, Local 1  
08850 Gava - Barcelona (Spain)  
T +34 936.388.805  
F +34 936.334.595  
www.rta-iberica.es

R.T.A. INDIA Pvt  
Teerth Business Center 3<sup>rd</sup> Floor, Unit No. 7,  
Block EL-15, MIDC Bhosari Pimpi-Chinchwd,  
Pune 411026 (India)  
Tel. +91 9422507445  
www.rta-india.in