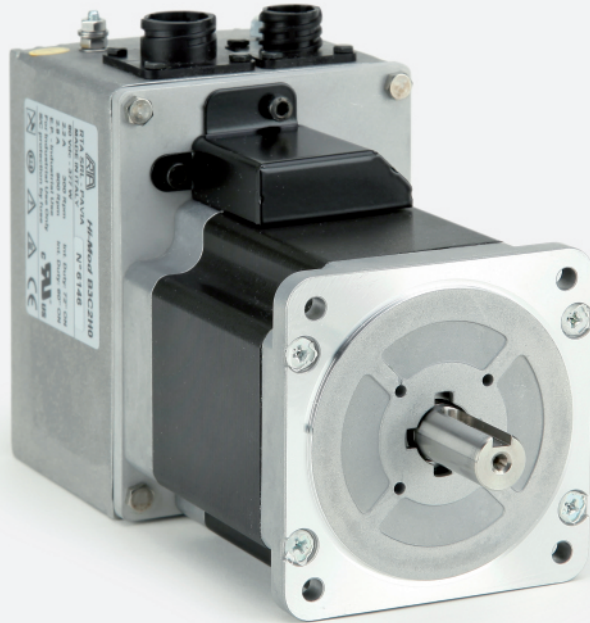


# Combo Unit: **HI-MOD B**



## 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

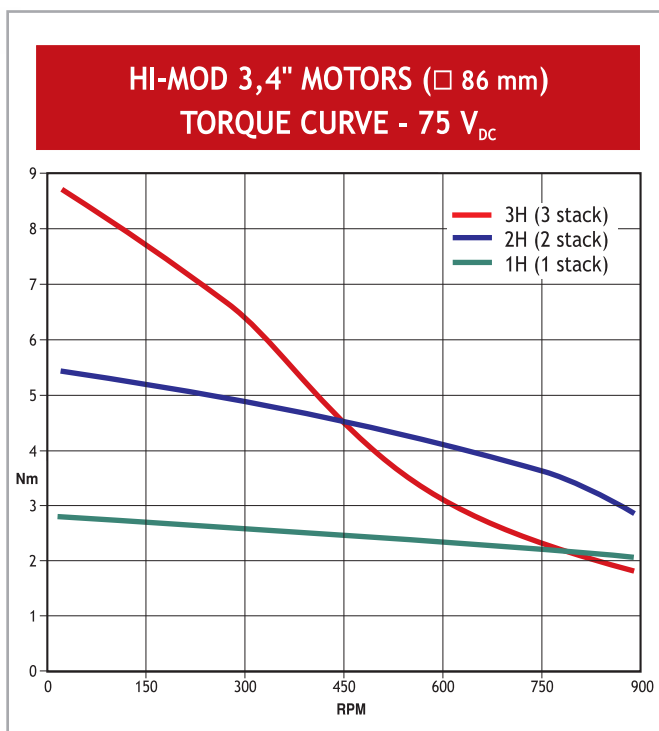


## HI-MOD X<sub>1</sub> - X<sub>2</sub> - X<sub>3</sub> - X<sub>4</sub> - X<sub>5</sub> - n

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	0 ÷ 9

## 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.



## MECHANICAL DIMENSIONS

Model	A Length (mm)
HI-MOD B	78.0

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

