

Combo Unit: **HI-MOD ET**

EtherCAT[®]



INTRODUCTION

- New series of stepper motors with integrated ministep bipolar chopper drives; setting by means of EtherCAT interface and based on incremental encoder.
- Compact system housed in a metallic box mounted on motor body, minimizing dimensions and optimizing wiring and mounting easiness.
- Target: advanced applications requiring the detection of motor loss of synchronism setting by means of EtherCAT interface.

HIGHLIGHTS EtherCAT[®] INTERFACE

- Communication by means of EtherCAT (CoE) interface.
- Modes of operation: PROFILE POSITION and CSP.
- Different variety of HOMING operation modes.
- PROXIMITY hardware input.
- Motor current overboost.
- Intelligent management of the current profile.

EtherCAT[®]

HI-MOD ET X₁ - X₂ - X₃ - X₄ - X₅ - n

X₁ = Electronic features

X₂X₃X₄X₅ = Motor type and power

n = Release software

E: EtherCAT - Incremental Encoder

X₂ = Maximum power

Alphanumeric character

X₃ = Mechanical hardware identification

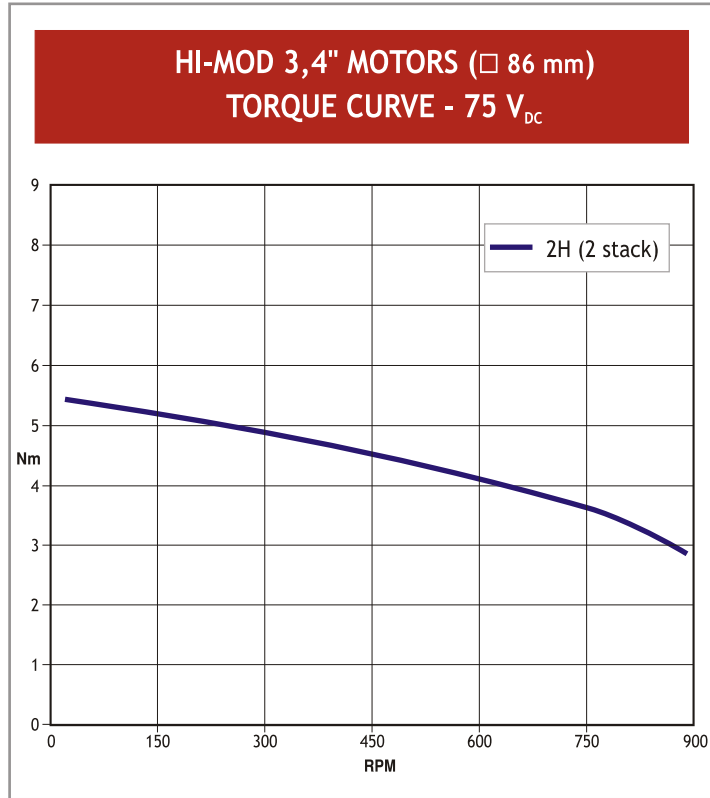
X₄ = Motor type

X₅ = Motor current

Available version: HI-MOD ET E3F2HA

TECHNICAL FEATURES

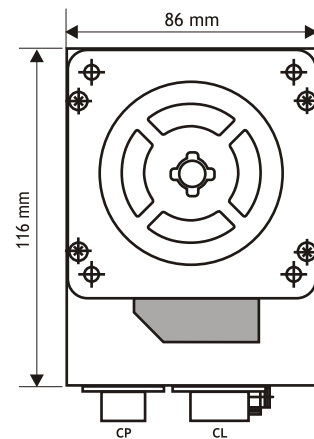
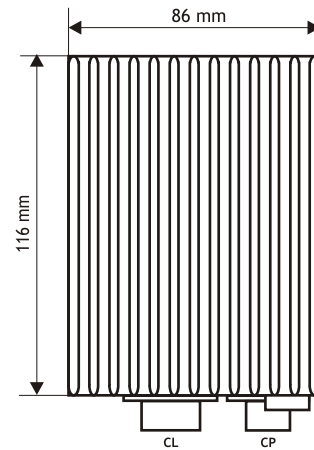
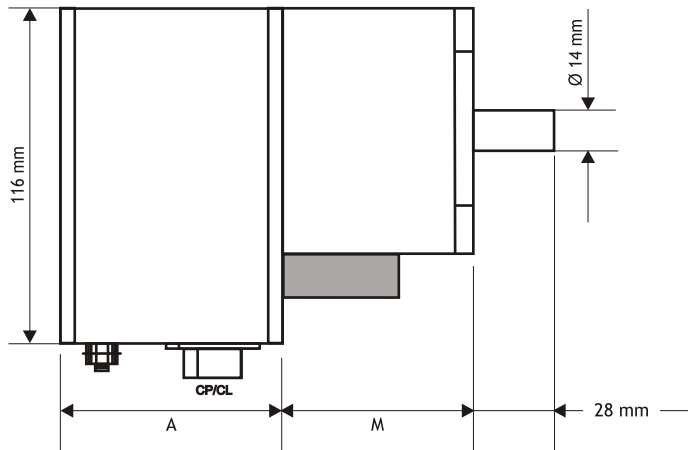
- Range of operating voltage: 32-75 V_{DC}.
- Protections:
 - Protection against under-voltage and over-voltage.
 - Protection against a short-circuit at motor outputs.
 - Overtemperature protection.
- Electronic damping facility for further acoustic noise and mechanic vibrations reduction.
- Command to execute runs with position control to set: distance, direction, speed and acceleration.
- Command to execute zero research (HOMING).
- Possibility to detect motor loss of synchronism or stall and position error by means of Incremental Encoder.



MECHANICAL DIMENSIONS

Model	A Length (mm)
HI-MOD ET	78.0

Type	M Length (mm)
2H	96.5



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