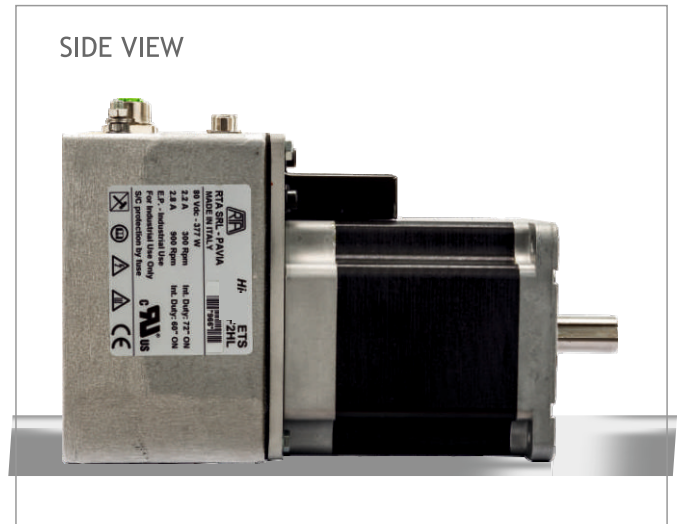


# HI MOD A/E Combo Unit



## INTRODUCTION

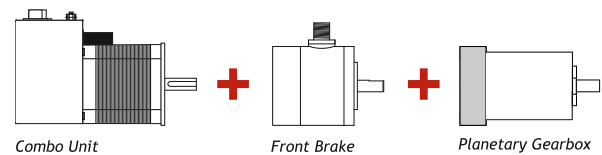
- Series of stepper motors with integrated ministep bipolar chopper drives equipped with programmable motion controller. Setting by means of CANopen interface.
  - **Hi-Mod E** with Incremental Encoder
  - **Hi-Mod A** with Absolute Encoder
- Compact system housed in a metallic box mounted on motor body, minimizing dimensions and optimizing wiring and mounting easiness.
- Target: advanced applications requiring the detection of motor loss of synchronism or stall by means of encoder and programmable motion controller setting by means of CANopen interface.
- UL/CSA certified versions available.



## HIGHLIGHTS

- Communication by means of CANopen interface .
- Command to execute runs with position control to set: distance, direction, speed and acceleration.
- Command to execute zero research (HOMING).
- Incremental Encoder (HI-MOD E) or high resolution Battery-less Multi-Turn Absolute Encoder (HI-MOD A).
- The system does not need back-up battery to keep the information when shut down (HI-MODA).

### Front Brake and/or Gearbox versions available



Models	Motor Length (mm)	Holding Torque (Ncm)	Encoder Type	Digital In/Out	UL Marking
HI-MOD A3F1H2	66.0	360	Battery-less Multi-turn Absolute	1/0	NO
HI-MOD A3F2H2	96.5	700	Battery-less Multi-turn Absolute	1/0	NO
HI-MOD A3F1H5	66.0	360	Battery-less Multi-turn Absolute	1/0	YES
HI-MOD A3F2H5	96.5	700	Battery-less Multi-turn Absolute	1/0	YES
HI-MOD E3F1H2	66.0	360	Incremental	1/0	NO
HI-MOD E3F2H2	96.5	700	Incremental	1/0	NO
HI-MOD E3F3H2	127.0	920	Incremental	1/0	NO
HI-MOD E3F1H5	66.0	360	Incremental	1/0	YES
HI-MOD E3F2H5	96.5	700	Incremental	1/0	YES
HI-MOD E3F3H5	127.0	920	Incremental	1/0	YES



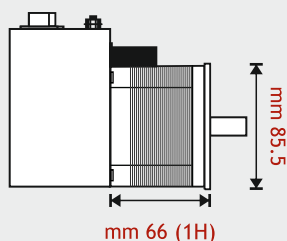
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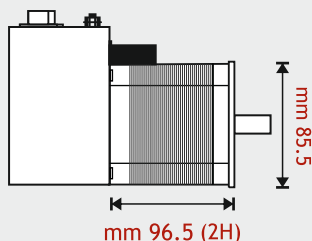
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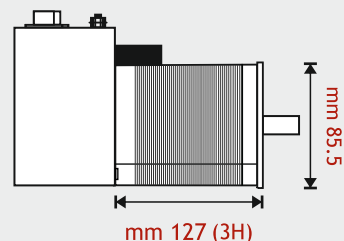
## SIZES AND PERFORMANCES



mm 66 (1H)  
Holding Torque: 360 Ncm



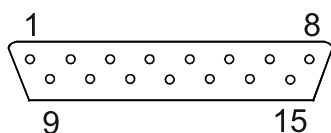
mm 96.5 (2H)  
Holding Torque: 700 Ncm



mm 127 (3H)  
Holding Torque: 920 Ncm

## CONNECTION SCHEME

### CN1



4-12: PX  
7-8: Power Suppl  
6-13-14-15: GND  
5: + 24 Volt VDC

### CN2



Male

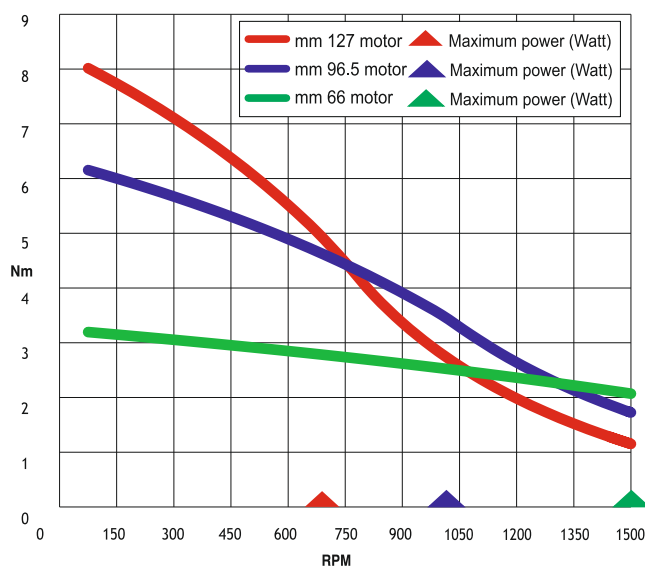
### CN3



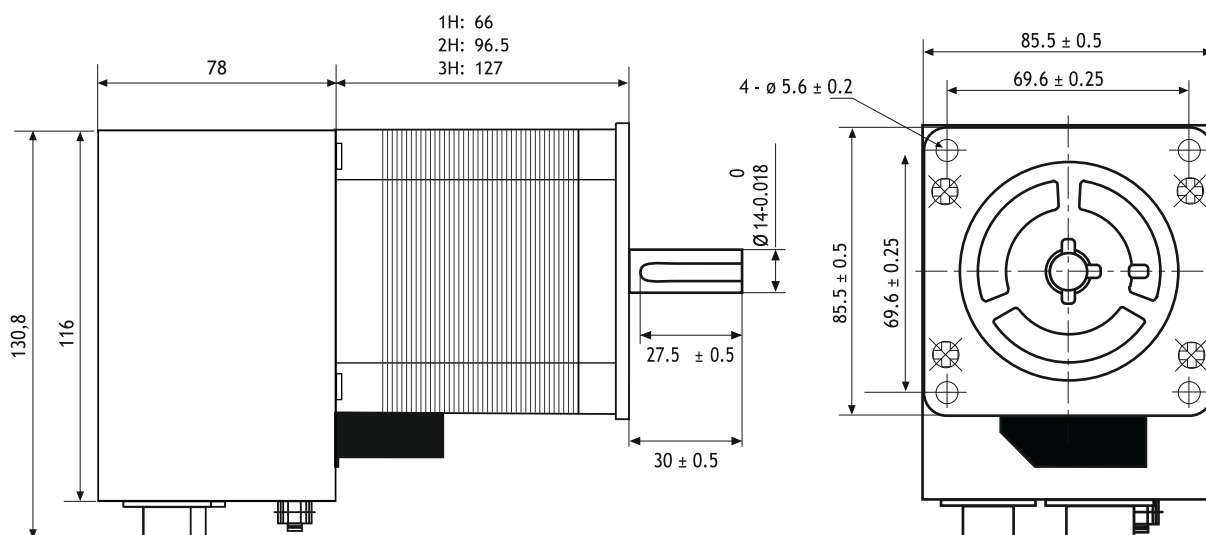
Female

2: Positive control logic supply  
3: Negative logic supply and negative CAN\_H / CAN\_L  
4: CAN\_H bus line  
5: CAN\_L bus line

## TORQUE/SPEED CURVE



## MECHANICAL DIMENSIONS (mm)



*Starter kit and cable set available.*



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