

HI MOD ET/ETS Combo Unit

3rd
FIRMWARE
GENERATION



INTRODUCTION

HI-MOD ETS is a series of stepping motors in three sizes with integrated ministep bipolar chopper EtherCAT drives and STO Function, based on battery-less multi-turn absolute encoder.

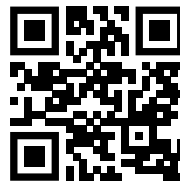
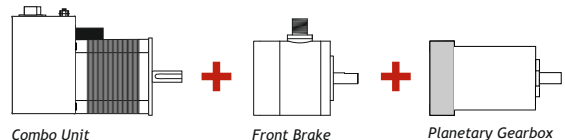
HIGHLIGHTS



- New generation Full Closed Loop Absolute Encoder versions available
- Holding Torque up to 920 Ncm
- Communication by means of EtherCAT interface
- Different Operation Modes
- Available Inputs / Outputs
- Touch probe hardware input
- AUTO-SYNC function
- Battery-less Multi-turn ABSOLUTE ENCODER versions
- STO Function - SIL3 with Error Detection Monitor



Front Brake and/or Gearbox versions available



SCAN THE QR CODE TO WATCH A VIDEO ON THE AUTO-SYNC FUNCTION



Please refer to download.rta.it for technical specifications

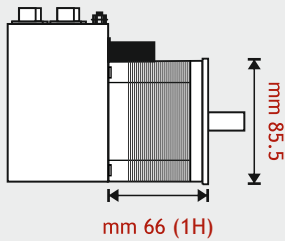
Models	Motor Length (mm)	Holding Torque (Ncm)	Encoder Type	Digital In/Out	STO	Rated Voltage (VDC)
HI-MOD ETS A4K2HK.M <i>Full Closed Loop</i>	96.5	700	Battery-less Multi-turn Absolute	2/2	✓	48-80
HI-MOD ET A5K2HK.M <i>Full Closed Loop</i>	96.5	700	Battery-less Multi-turn Absolute	2/2	X	48-80
HI-MOD ETS A4K2RK.M <i>Full Closed Loop</i>	96.5	700	Battery-less Multi-turn Absolute	2/2	✓	80-140
HI-MOD ET A5K2RK.M <i>Full Closed Loop</i>	96.5	700	Battery-less Multi-turn Absolute	2/2	X	80-140

140 VDC

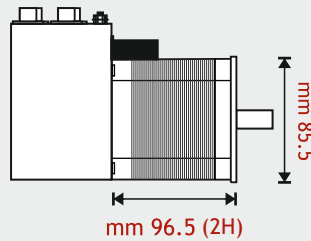
140 VDC

Other models upon request

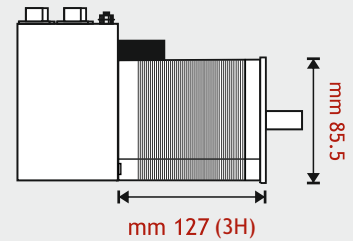
SIZES AND PERFORMANCES



Holding Torque: 360 Ncm



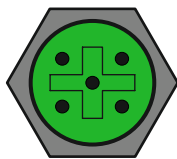
Holding Torque: 700 Ncm



Holding Torque: 920 Ncm

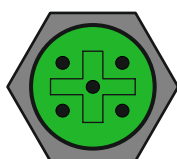
CONNECTION SCHEME

CN2



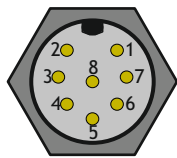
EtherCAT
OUT

CN3



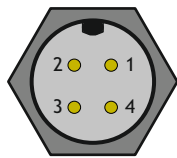
EtherCAT
IN

CN1



I/O

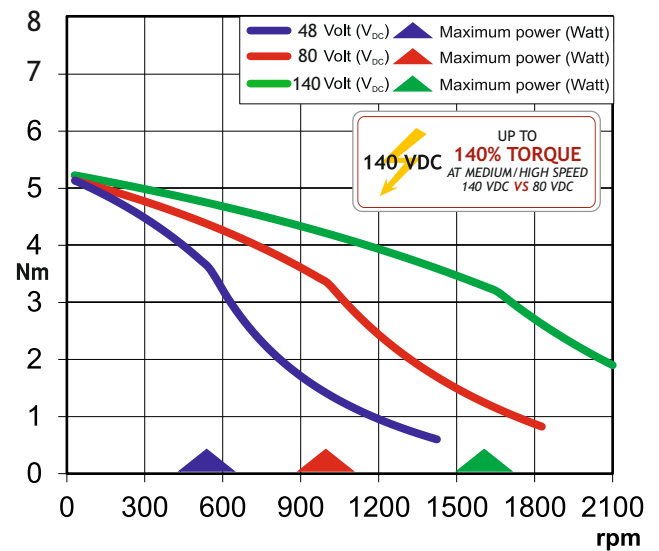
CN4



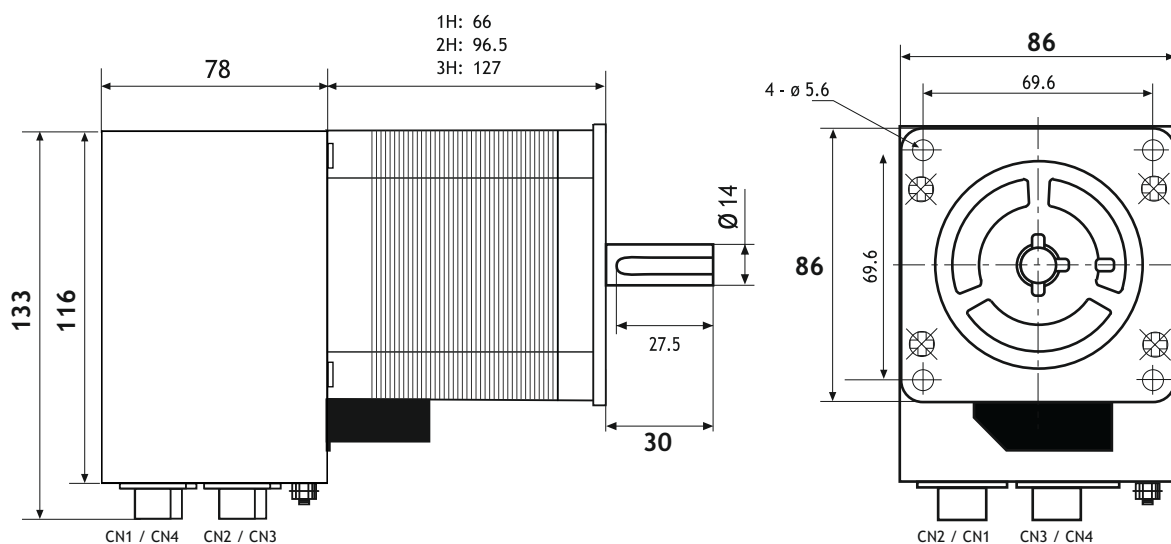
POWER

TORQUE/SPEED CURVE

48/80/140 VDC TORQUE/SPEED CURVE - REF. 700 Ncm MODELS



MECHANICAL DIMENSIONS (mm)



Starter kit and cable set available.



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