

HI MOD HT/HTS Combo Unit

EtherNet/IP™

INTRODUCTION

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

- Also available with other interfaces:



HIGHLIGHTS

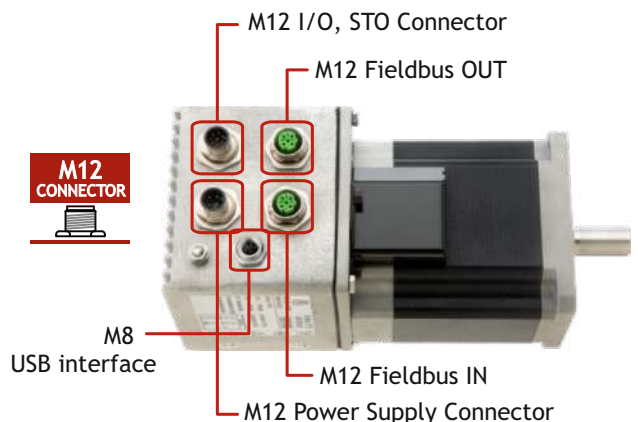
- New generation Full Closed Loop
- Battery-less Multi-turn ABSOLUTE ENCODER
- Holding Torque up to 920 Ncm
- Communication by means of EtherNet/IP interface
- Different Operation Modes
- Available Inputs / Outputs
- Touch probe hardware input
- AUTO-SYNC function
- STO Function - SIL3 with Error Detection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



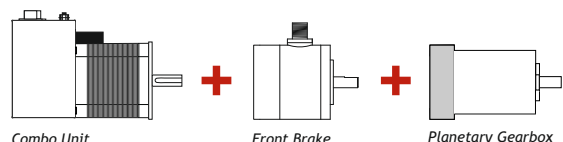
SIDE VIEW



TOP VIEW



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 HTS A4K2HN.M <i>Full Closed Loop</i>	96.5	700	Battery-less Multi-turn Absolute	1/2	✓	48-80
HI-MOD HT A5K2HN.M <i>Full Closed Loop</i>	96.5	700	Battery-less Multi-turn Absolute	2/2	X	48-80
HI-MOD HTS A4K2RN.M <i>Full Closed Loop</i>	96.5	700	Battery-less Multi-turn Absolute	1/2	✓	80-140
HI-MOD HT A5K2RN.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



Acrescentamos Criatividade e Tecnologia às suas Ideias

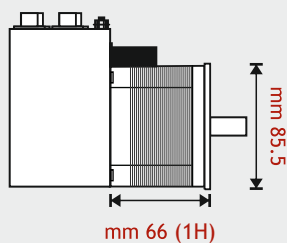
Zona Industrial da Mota, Rua 7 Lote 6A •

3830-527 Ílhavo • Portugal

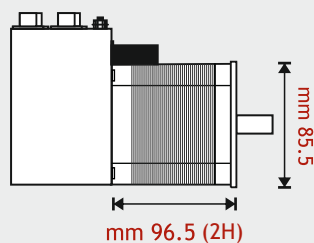
Telf. + 351 234 397 210 • prosistav@prosistav.pt •

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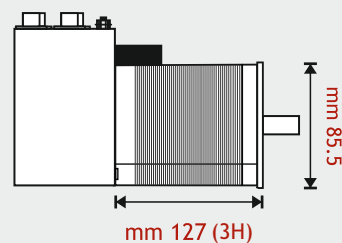
SIZES AND PERFORMANCES



Holding Torque: 360 Ncm

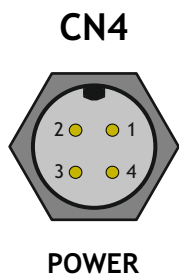
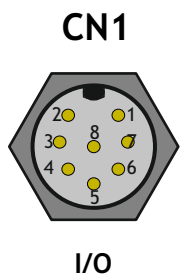
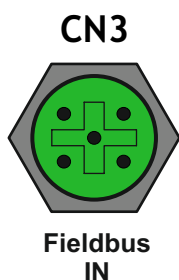
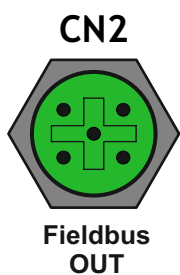


Holding Torque: 700 Ncm



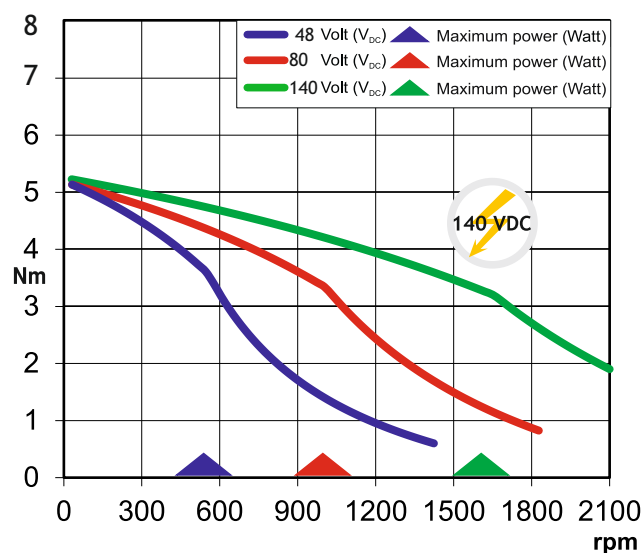
Holding Torque: 920 Ncm

CONNECTION SCHEME

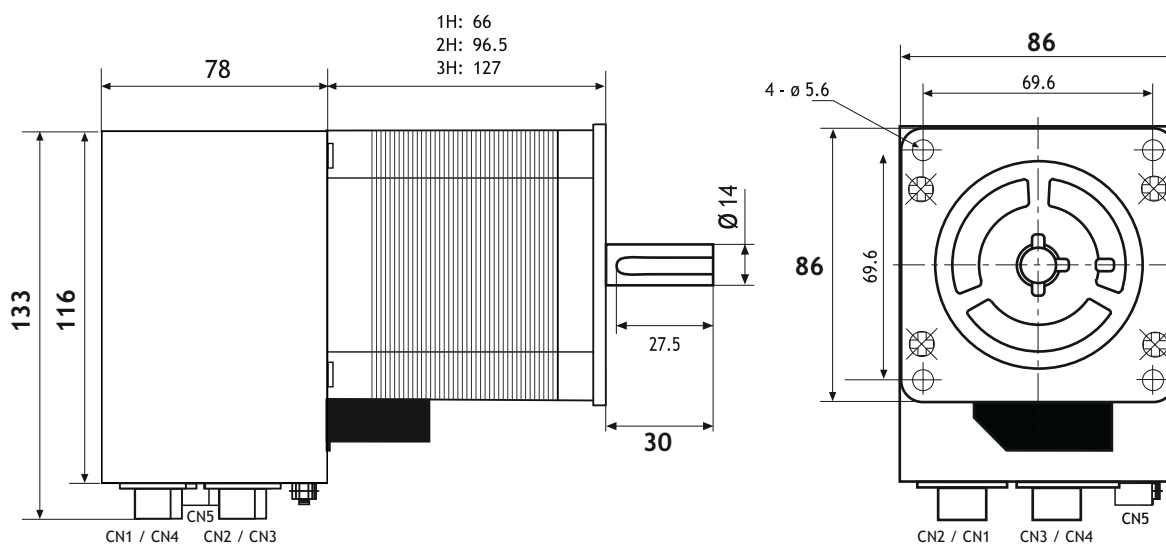


TORQUE/SPEED CURVE

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



MECHANICAL DIMENSIONS (mm)



Starter kit and cable set available.



R.T.A. s.r.l.
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Pune 411026 (India)
Tel. +91 9422507445
www.rta-india.in

HI MOD MT/MTS Combo Unit



INTRODUCTION

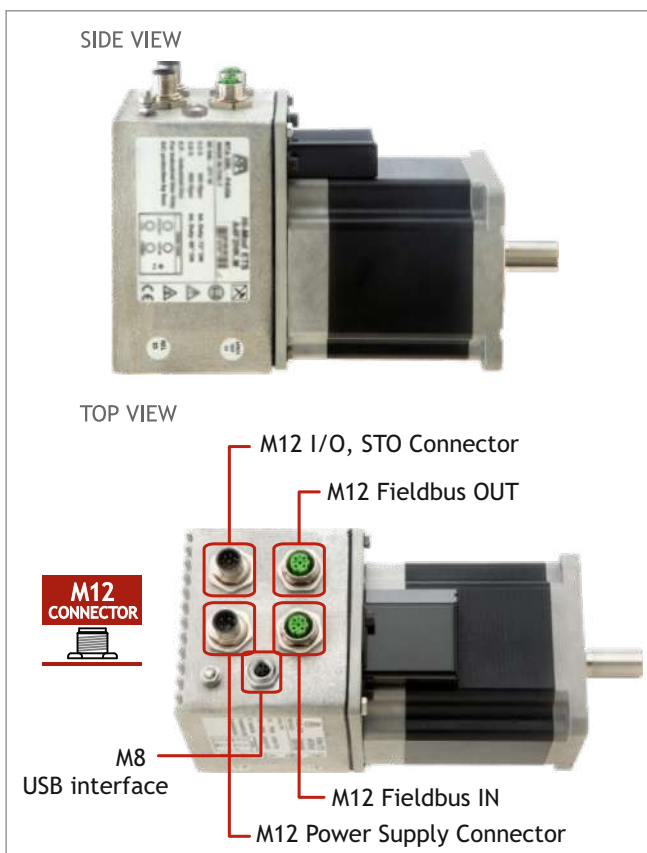
HI-MOD MT is a series of stepping motors in three sizes with integrated ministep bipolar chopper drives and STO Function, based on battery-less multi-turn absolute encoder.

- Also available with other interfaces:

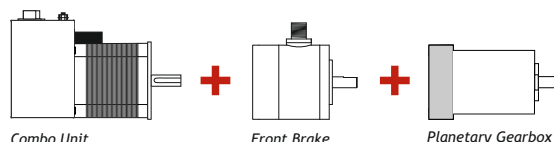
EtherCAT  EtherNet/IP

HIGHLIGHTS

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



Front Brake and/or Gearbox versions available



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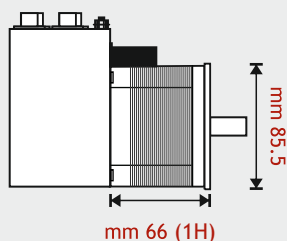
Models	Motor Length (mm)	Holding Torque (Ncm)	Encoder Type	Digital In/Out	STO	Rated Voltage (VDC)
HI-MOD MTS A4K2HN.M <i>Full Closed Loop</i>	96.5	700	Battery-less Multi-turn Absolute	1/2	✓	48-80
HI-MOD MT A5K2HN.M <i>Full Closed Loop</i>	96.5	700	Battery-less Multi-turn Absolute	2/2	X	48-80
HI-MOD MTS A4K2RN.M <i>Full Closed Loop</i>	96.5	700	Battery-less Multi-turn Absolute	1/2	✓	80-140
HI-MOD MT A5K2RN.M <i>Full Closed Loop</i>	96.5	700	Battery-less Multi-turn Absolute	2/2	X	80-140

Other models upon request

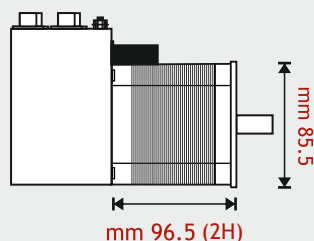
140 VDC

140 VDC

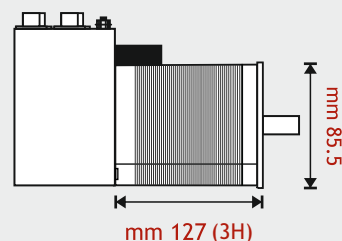
SIZES AND PERFORMANCES



Holding Torque: 360 Ncm

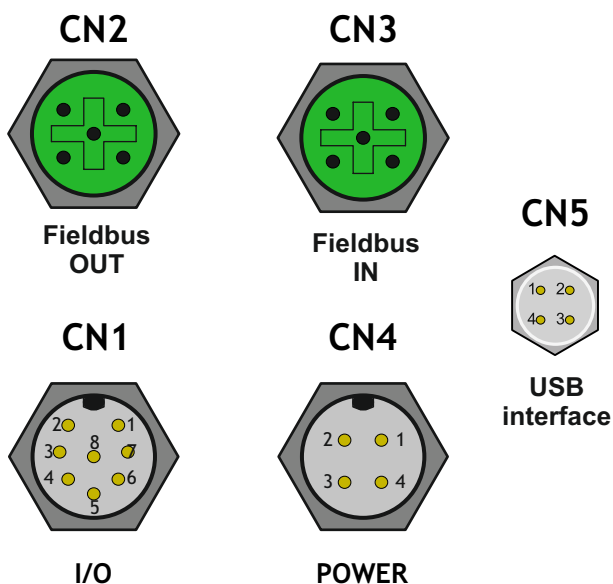


Holding Torque: 700 Ncm



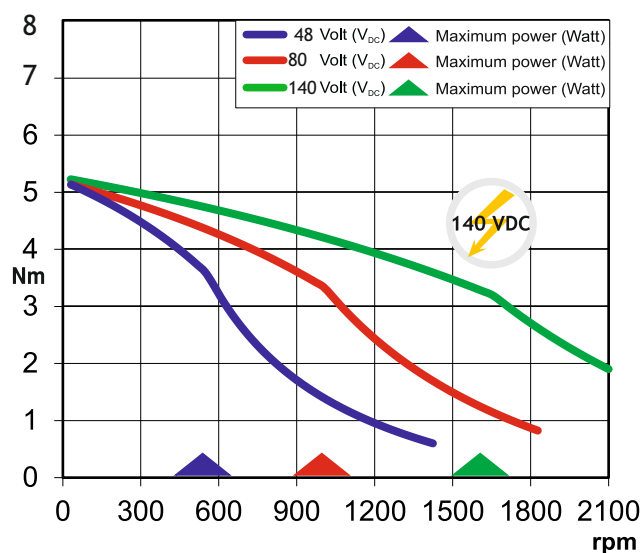
Holding Torque: 920 Ncm

CONNECTION SCHEME

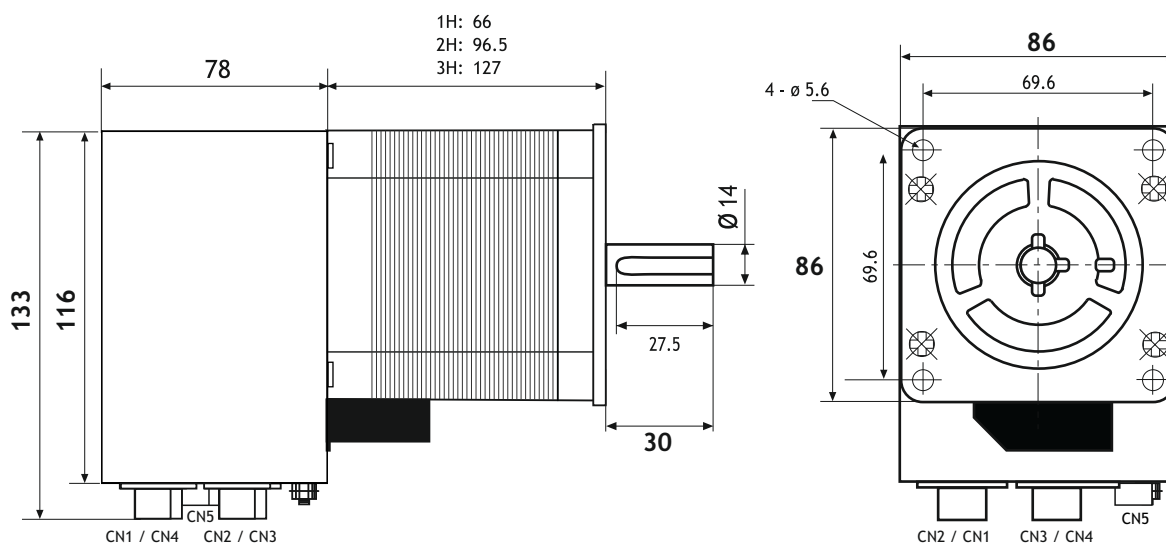


TORQUE/SPEED CURVE

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



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HI MOD ET/ETS Combo Unit

EtherCAT®

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.

- Also available with other interfaces:

EtherNet/IP Modbus TCP/IP

HIGHLIGHTS

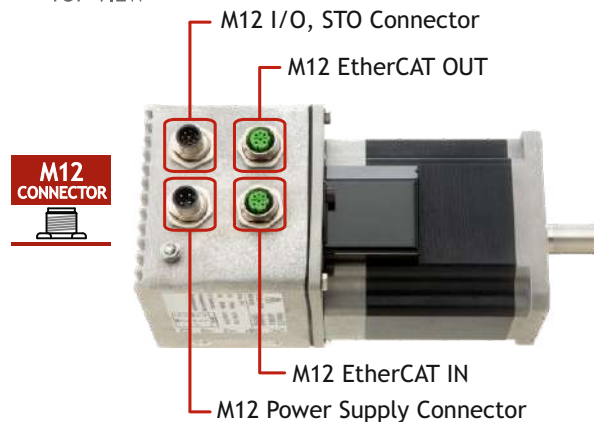
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- Battery-less Multi-turn ABSOLUTE ENCODER
- Holding Torque up to 920 Ncm
- Communication by means of EtherCAT interface
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- STO Function - SIL3 with Error Detection Monitor



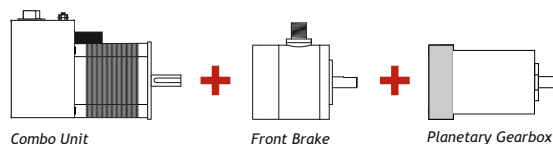
SIDE VIEW



TOP VIEW



Front Brake and/or Gearbox versions available



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



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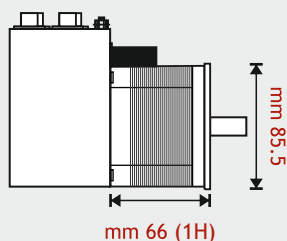
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HI-MOD ETS A4K2HK.M <i>Full Closed Loop</i>	96.5	700	Battery-less Multi-turn Absolute	1/2	✓	48-80
HI-MOD ET A5K2HK.M <i>Full Closed Loop</i>	96.5	700	Battery-less Multi-turn Absolute	2/2	X	48-80
HI-MOD ETS A4K2RK.M <i>Full Closed Loop</i>	96.5	700	Battery-less Multi-turn Absolute	1/2	✓	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

Other models upon request

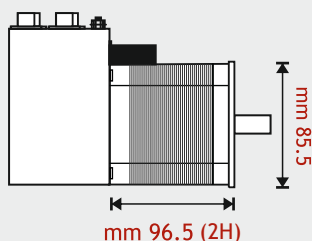
140 VDC

140 VDC

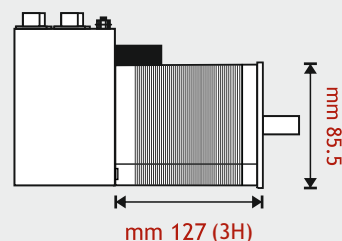
SIZES AND PERFORMANCES



Holding Torque: 360 Ncm



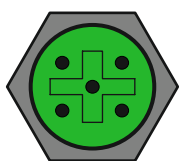
Holding Torque: 700 Ncm



Holding Torque: 920 Ncm

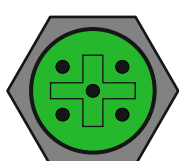
CONNECTION SCHEME

CN2



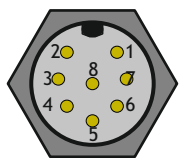
EtherCAT
OUT

CN3



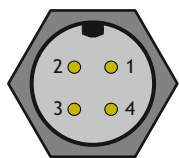
EtherCAT
IN

CN1



I/O

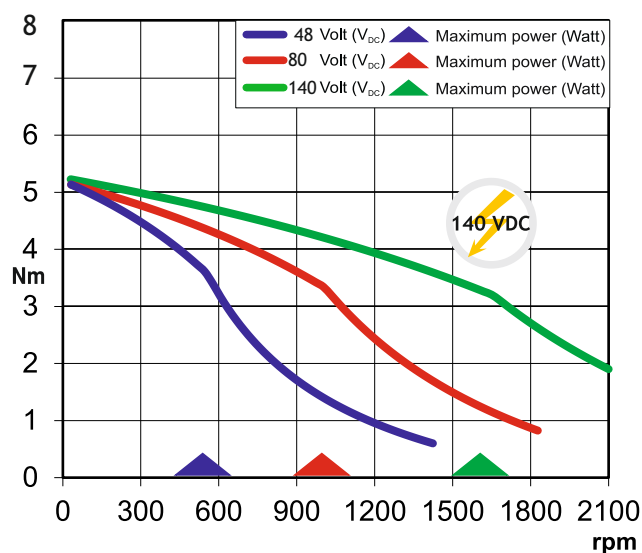
CN4



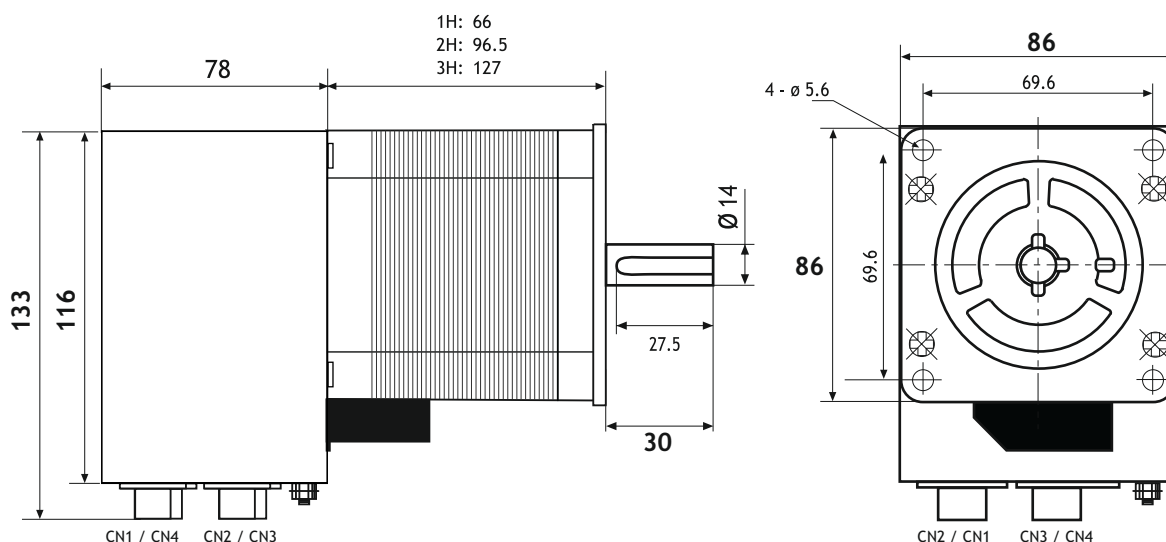
POWER

TORQUE/SPEED CURVE

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MECHANICAL DIMENSIONS (mm)



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