HeiTronX ECONOMY

The Economy Series for Customer Applications in High-Volume Business

As the most compact model in the HeiTronX series, the HTE stands out thanks to its compact design and high efficiency. The HTE can be used in a wide range of drive technology applications, with an integrated singleturn or multiturn encoder. The standardized CANopen® communication protocol allows the HTE to be integrated into standard commercial control systems.



Cost Effectiveness and Areas of Application

Its outstanding suitability for large-scale projects stems from itserior adaptability. Designed for high-volume projects, it not only meets technical requirements but also offers economic advantages. The HTE operates in the range of up to 72 V_{DC} supply voltage and is, therefore compatible with many common battery systems. Together with the optionally available STO (Safe Torque Off) function, it is the ideal choice for applications in automated warehouses, AGVs (Automated Guided Vehicles) and AMRs (Autonomous Mobile Robots), robotics systems, and mobile applications.

High Performance in Industrial Environments

The technical data proves the performance of the HTE: peak torques of up to 2 Nm and a rated speed of 3,000 to 6,000 rpm under challenging environmental conditions in industrial settings. With up to four digital inputs, one digital and one analog output each, and the CANopen® fieldbus interface, the HTE is ideally suited for these applications.

Modularity and Configurability

In terms of design, the HTE, based on HMD servo motors, offers enormous modularity in the 24 V and 48 V range with installation lengths between 134.0 mm and 244.5 mm, while also providing a space-saving solution. Optionally available holding brakes and a wide range of connection options complete the HTE profile as a future-proof drive solution.

The Economical Option for Small-Batch Projects in Drive Technology

In summary, the HTE is an excellent choice for companies that place a high value on cost-effectiveness and functionality.

HTE06

Motor Type

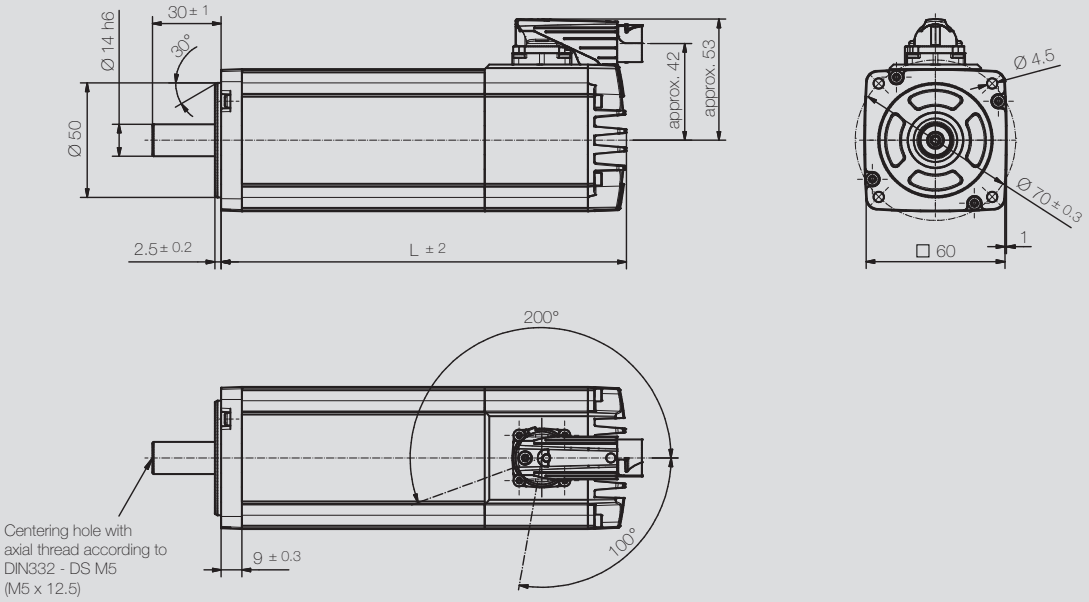
Type	Rated speed n_n [rpm]	Rated torque at 40°C ambient temp. M_n [Nm]	Peak torque M_{max} [Nm]	Size L [mm] Singleturn without brake	Multiturn without brake	Singleturn with brake	Multiturn with brake
HTE06 - 24 V_{DC}							
HTE06-011	3,000	0.4	1.0	134	147	174	187
HTE06 - 48 V_{DC}							
HTE06-011	6,000	0.4	1.0	134	147	174	187
HTE06-011	3,000	0.8	2.0	134	147	174	187
HTE06-019	3,000	1.1	2.0	159	172	199	212
HTE06-026	3,000	1.3	2.0	189	202	229	245

Specifications

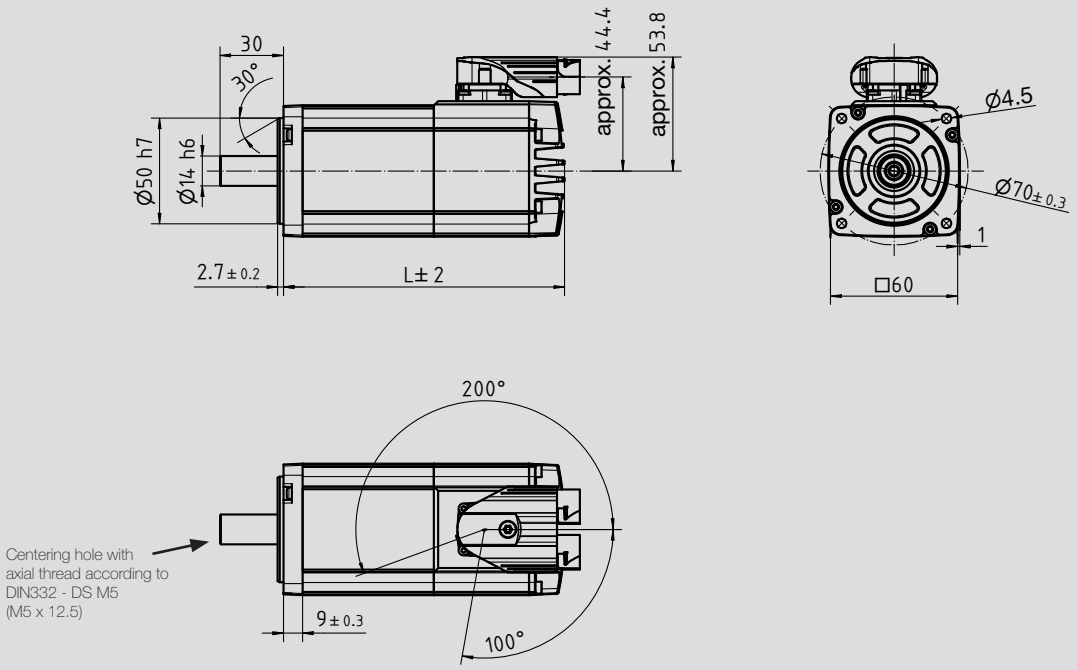
Power supply	Rated voltage	19 - 72 V_{DC}
	Max. rated current	13 A_{DC} / 21 A_{DC} (peak)[1]
Logic supply[2]	Voltage	19 - 72 V_{DC}
Protection type		IP65 (AS-side IP21)
Interfaces		CANopen®
Configuration software		Heidrive Drive Manager (HeidriveGUI)
Inputs		1 x analog input 4 x digital input
Outputs		1 x digital output
Brake control		integrated
Holding brake		optional
Connectors		I-Tec / Y-Tec
Encoder system		Singleturn / Multiturn
Safety function		STO[3]

[1] At 48 V_{DC}
[2] Power and logic supply can be separated or combined
[3] Certification in progress

Dimensional Drawing HTEo6 - I-Tec | CANopen® *



Dimensional Drawing HTEo6 - Y-Tec | CANopen®/STO/IO**



* see page 6
** see page 7

HTEo8

Motor Type

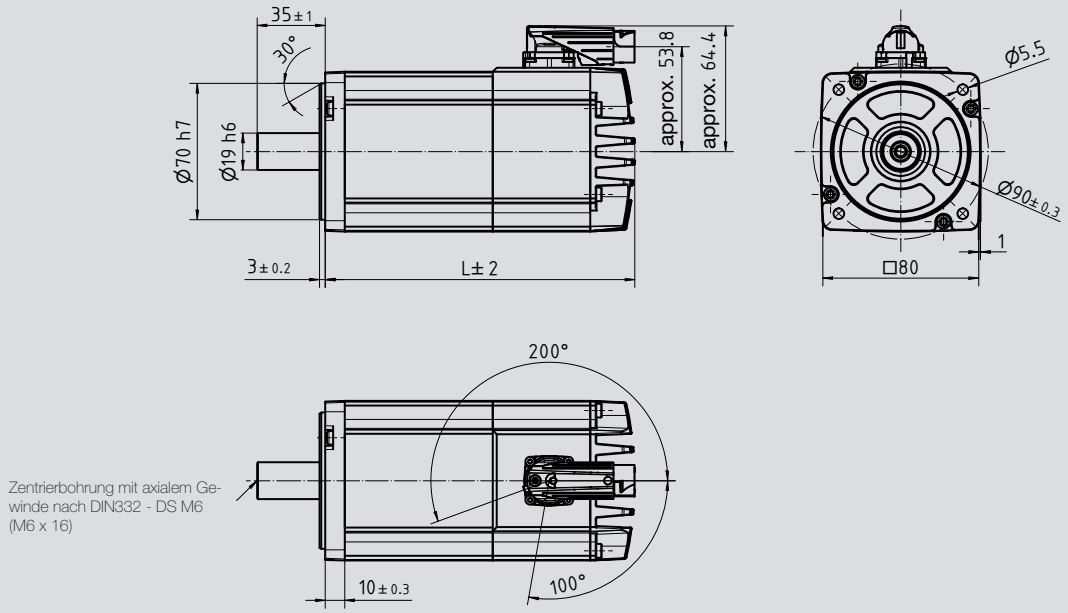
Type	Rated speed n_n [rpm]	Rated torque at 40°C ambient temp. M_n [Nm]	Peak torque M_{max} [Nm]	Size L [mm] Singleturn without brake	Multiturn without brake	Singleturn with brake	Multiturn with brake
HTEo8 - 48 V_{DC}							
HTE08-024	3,000	1.3	2.0	159	172	208	221

Specifications

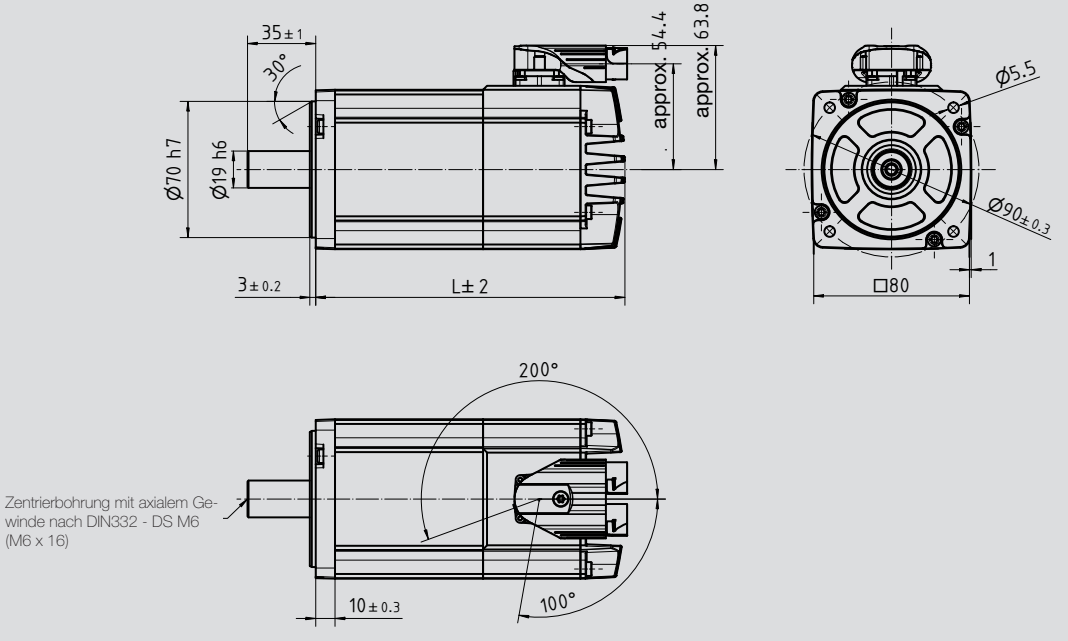
Power supply	Rated voltage	19 - 72 V_{DC}
	Max. rated current	13 A_{DC} / 21 A_{DC} (peak)[1]
Logic supply	Voltage	19 - 72 V_{DC}
Protection type		IP65 (AS-side IP21)
Interfaces		CANopen®
Configuration software		Heidrive Drive Manager (HeidriveGUI)
Inputs		1 x analog input 4 x digital input
Outputs		1 x digital output
Brake control		integrated
Holding brake		optional
Connectors		I-Tec / Y-Tec
Encoder system		Singleturn / Multiturn
Safety function		STO[3]

[1] At 48 V_{DC}
[2] Power and logic supply can be separated or combined
[3] Certification in progress

Dimensional Drawing HTEo8 - I-Tec | CANopen®*



Dimensional Drawing HTEo8 - Y-Tec | CANopen®/STO/IO**



* see page 6
** see page 7

Pin Assignment

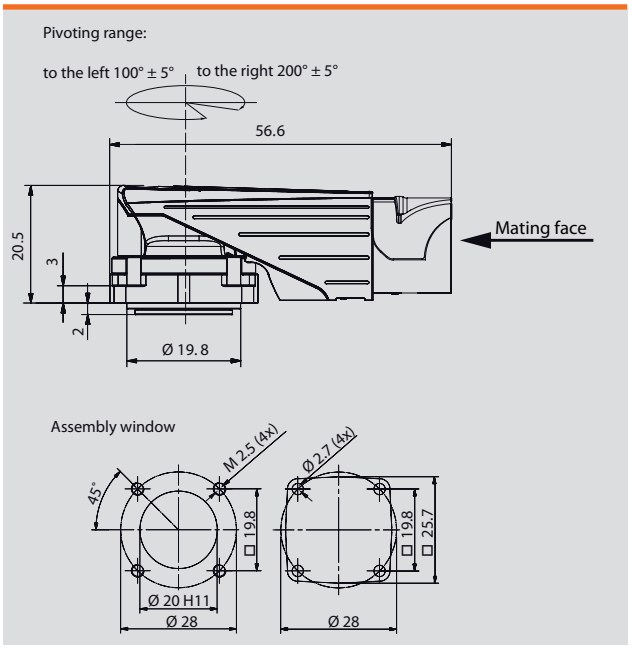
I-Tec



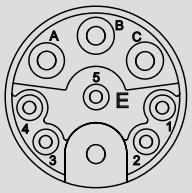
I-Tec | CANopen®

Pin	Designation
A	POWER
B	GND
C	-
⏚	FE
1	CAN_{low}
2	CAN_{high}
3	LOGIC
4	GND
5	-

Motor Connector rotatable angle mounting box I-Tec



Motor Connector



9-pole
9 x Ø 1 mm (3+FE+5)

Y-Tec

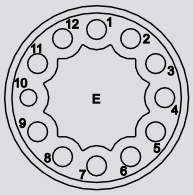


Y-Tec | CANopen® | I/O

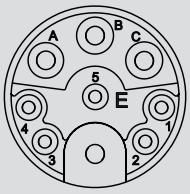
Pin	Designation
A	POWER
B	GND
C	-
⏚	FE
1	-
2	-
3	LOGIC
4	-
5	-

Pin	Designation
1	CAN_{low}
2	CAN_{high}
3	GND
4	DIN0
5	DIN1
6	GND
7	DOUT
8	AIN_{diff} (+)
9	AIN_{diff} (-)
10	DIN2
11	DIN3
12	-

Motor Connector



12-pole
12 x Ø 1 mm



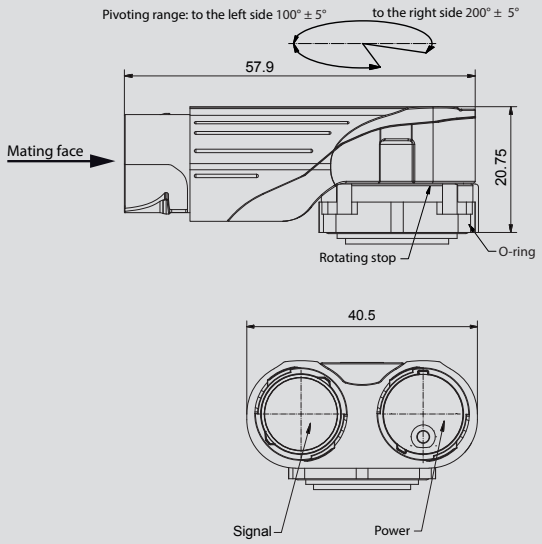
9-pole
9 x Ø 1 mm (3+FE+5)

Y-Tec | CANopen® | STO

Pin	Designation
A	POWER
B	GND
C	-
⏚	FE
1	-
2	-
3	-
4	-
5	-

Pin	Designation
1	CAN_{low}
2	CAN_{high}
3	GND
4	DIN0
5	DIN1
6	GND
7	STO - A
8	STO - A - GND
9	STO - B
10	STO - B - GND
11	STO - FB
12	STO - FB - RTN

Motor Connector rotatable angle mounting box Y-Tec



Y-Tec | CANopen® | STO | I/O

Pin	Designation
A	POWER
B	GND
C	-
⏚	FE
1	CAN_{low}
2	CAN_{high}
3	-
4	GND
5	-

Pin	Designation
1	DIN0
2	DIN1
3	GND
4	DOUT
5	AIN_{diff} (+)
6	AIN_{diff} (-)
7	STO - A
8	STO - A - GND
9	STO - B
10	STO - B - GND
11	STO - FB
12	STO - FB - RTN

Order Code

HTE06-019-048-30-BPCSMXXXW

Frame/Flange Size
60 mm → 06
80 mm → 08

Coil Size
HMD06 → 011
HMD06 → 019
HMD06 → 026
HMD08 → 024

DC Link Voltage
24 V → 024
48 V → 048

Rated Speed
3,000 rpm → 30
6,000 rpm → 60

Options

without brake	0XXXXXXXX
with brake 24 V_{DC}	BXXXXXXXX
without feather key	X0XXXXXXX
with feather key	XPXXXXXXX
CANopen®	XXCXXXXXX
no Safety	XXX0XXXXX
STO	XXXSXXXXX
Singleturn encoder	XXXXSXXXX
Multiturn encoder	XXXXMXXXX
Logic separate	XXXXXSXXX
Logic combined	XXXXXCXXX
I-Tec, CAN	XXXXXXI1X
Y-Tec, IO	XXXXXXY1X
Y-Tec, STO	XXXXXXY2X
Y-Tec, STO/IO	XXXXXXY3X
without radial shift seal	XXXXXXXX0
with radial shift seal	XXXXXXXXW

Can be combined with HMD gearboxes, see www.heidrive.com.

Specifications subject to change! Last changes 10/2026

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