



## Economy Series

ES4 ES6 EC3 EC4

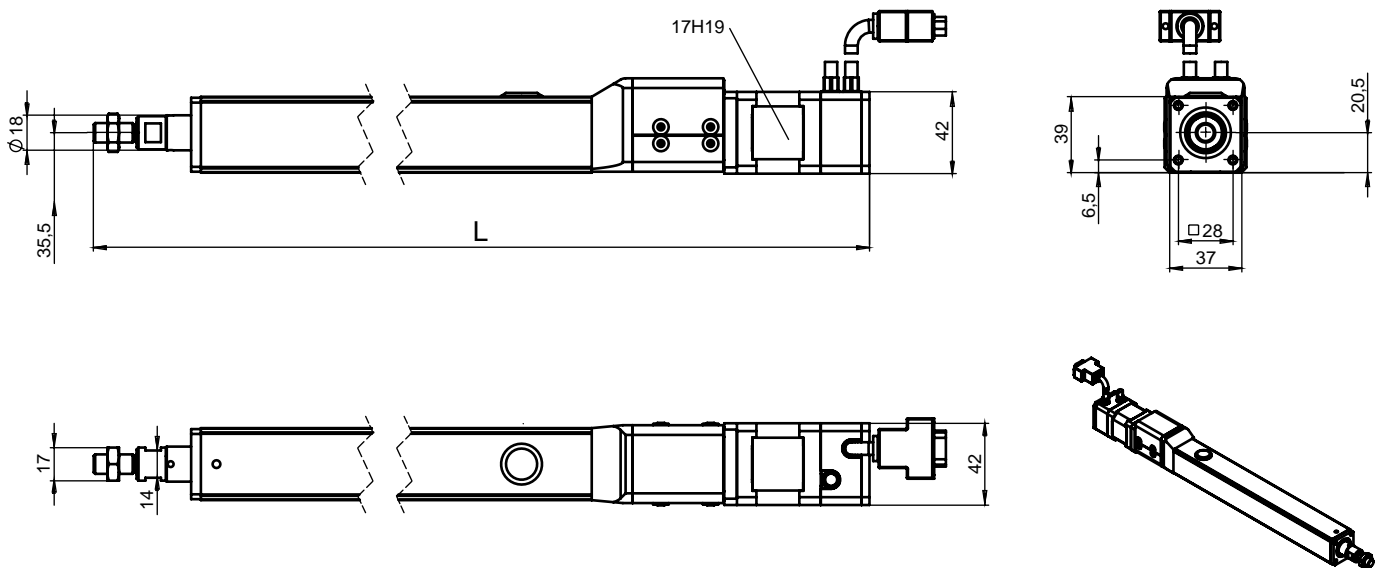
## EC3

### Model Configuration

Model	Ball screw lead	Stroke	Sensor	Motor*	Holding brake
EC3	006	0150	0	17H19	0
	006: 6 mm	0050: 50 mm to 0200:200mm	0: Without	17H19	0: Without 1: Holding brake

\* encoder res. 40.000 inc/rev

### Dimensions



Additional mounting equipment available.

		EC3-xxx-0050	EC3-xxx-0200
Length* L	[mm]	282.5	432.5

\* depends on motor type and holding brake

## Basic Specifications (Axis)

Series EC3-006		
Ball screw portion	Shaft diameter [mm]	Ø6
	Lead [mm]	6
	Basic dynamic load rating Ca [N]	1400
	Basic dynamic load rating COa [N]	2440
	Root diameter [mm]	Ø5.1
	Ball center-to-center diameter [mm]	Ø6.3
Bearing portion	Axial direction - Basic dynamic load rating Ca [N]	6550
	Axial direction - Static permissible load PO [N]	2310
Permissible rotational speed [min <sup>-1</sup> ]		3000
Starting torque [Nm]		0.014
Positioning repeatability [mm]		±0.020
Lost motion [mm]		0.1
Maximum input torque [Nm]		0.16

## Basic Specifications (Axis and Motor)

		Series EC3-006	
<b>Rated Values</b>			
Mounting position		vertical	horizontal
Ball screw	[mm]	8x6	
Acceleration	[m/s <sup>2</sup> ]	2	3
Velocity	[m/s]	0.2	0.2
Load	[kg]	6	15
Feed force	[N]	12	45
<b>Resolution / Accuracy</b>			
Positioning resolution <sup>1)</sup>	[µm]	0.15	0.15
Repeatability	[µm]	±20	
Accuracy	[µm]	100	

1) Encoder resolution 40.000 Inc/rev

## Amplifier Specifications

		ECOVARIO 114	ECOVARIO 114D	ECOMiniDual
<b>1-phase AC Supply</b>				
Supply voltage	V <sub>AC</sub>	20 .. 48	-	-
Line frequency	Hz	50 .. 60	-	-
Rated power	VA	480	-	-
<b>DC Supply</b>				
Supply voltage	V <sub>DC</sub>	24 .. 70	24 .. 70	24 .. 70
Rated power	W	700	960	260



ECOVARIO 114



ECOMiniDual

# Actuator Units

**NEW All-in-one-solution**

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