

# EC-M-ML-SI HC-ML-SI

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Technical data

03GB 14B01 CKCL 5

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A Wipotec Brand



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## Mechanical data

The dynamic scales type EC-M-ML-SI and HC-ML-SI provide the ideal solution for precise and quick weight detection for products up to 15 kg total weight as well as large dimensions in the following fields of business:

- Logistics, especially in CEP-Market (Courier, Express and Parcel-Market), in mail-order business or in general material handling/intralogsitics
- Industry sector, e.g. for bags, canisters, tins

Furthermore, the machine types EC-M-ML-SI and HC-ML-SI offer high weighing accuracies and at the same time high belt speeds and therefore throughput rates by latest weighing technology.

**Weighing principle** The precision weighcell works according to the principle of Electro Magnetic Force Restoration (EMFR)

**Conveyor technology** Patent-registered belt design with sandwich technology respectively lightweight conveyor design  
Fast changing and adjustment of the belt  
Stepless adjustment of the belt speed via frequency converter

**Frame** Base frame in robust steel tube design, cross braces made of solid materials to increase the stability and the integration weight

Machine type	EC-M-ML-... und HC-ML-...	
	2-SI	3-SI
<b>Weigh Cell</b>	IW-B 30k	IW-B 60k
<b>Calibration value (e<sub>min</sub>)</b>	≥ 1 g	≥ 2 g
<b>Drive</b>	servo	asynchronous
<b>Max. speed</b>	2.0 m/s	
<b>Max. weighing range</b>	15,000 g	
<b>Belt type</b>	NT 46 (Ø 46 mm)	
<b>Protection type<sup>1</sup></b>	IP 54	
<b>Working height<sup>2</sup> [mm]</b>	600-700 (750) / 700-800 (850) / 800-900 (950) / 900-1,000 (1,050)	

<sup>1)</sup> other protection types on request

<sup>2)</sup> other working heights on request

EC= Economic Catchweigher / Checkweigher

HC= Highend Catchweigher / Checkweigher

ML= Medium Load

SI= System Integration

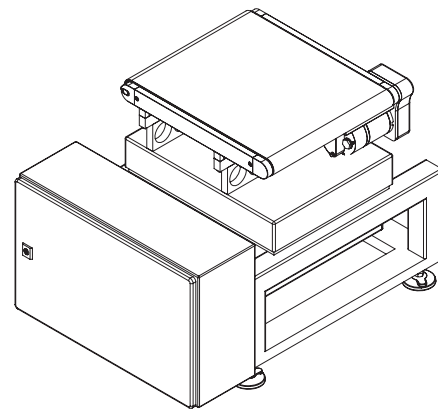
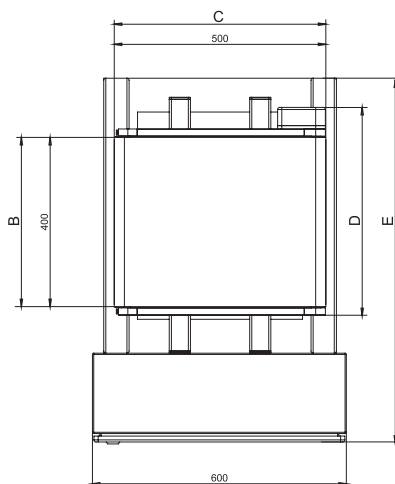
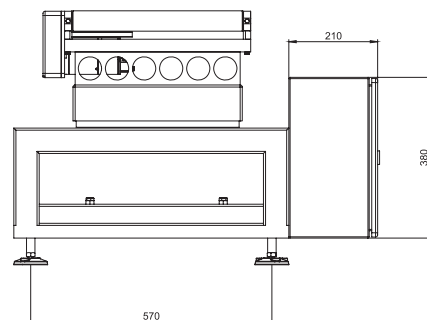
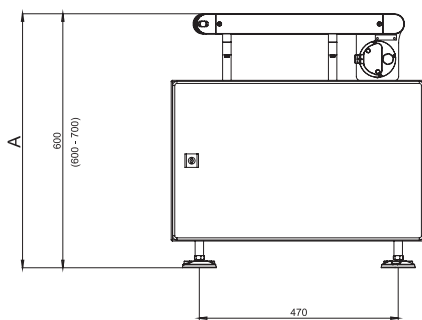
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## Mechanical data

Belt sizes <sup>3</sup>	EC-M-ML-... and HC-ML-...			
	2-SI		3-SI	
Belt width [mm]	400	500	500	600
Belt length [mm]				
500	X	-	-	-
600	X	X	-	-
700	X	X	X	X
800	X	X	X	X
900	X	X	X	X
1,000	X	X	X	X



## Dimensions:

Valid for all EC-M-ML-2-SI and HC-ML-2-SI	
A = Working height	600-700 (750) / 700-800 (850) / 800-900 (950) / 900-1,000 (1,050)
B = Weighing belt width	400 / 500 (see table)
C = Weighing belt length	500 / 600 / 700 / 800 / 900 / 1,000 (see table)
D = Total weighing conveyor width	Weighing belt width + 91
E = Total depth	650 ( $\triangleq$ depth frame) + 210 ( $\triangleq$ depth cabinet)
Dimensions cabinet EC on frame	600 x 380 x 210
Dimensions cabinet HC on frame	700 x 500 x 250

All measurements in mm.

These measurements are guideline values for a standard machine without application-specific and weighing-specific attachment parts.

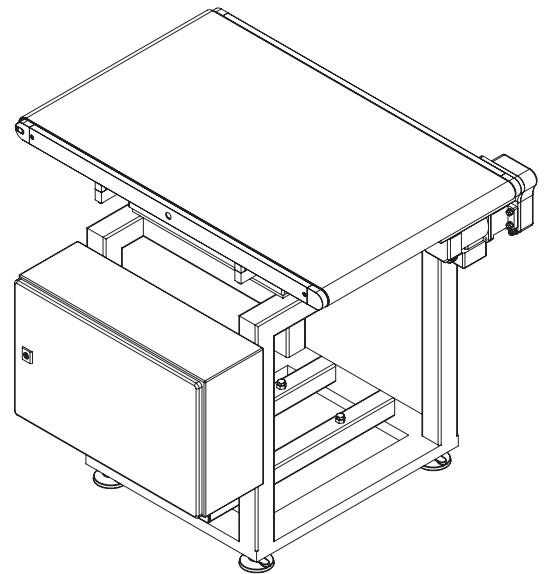
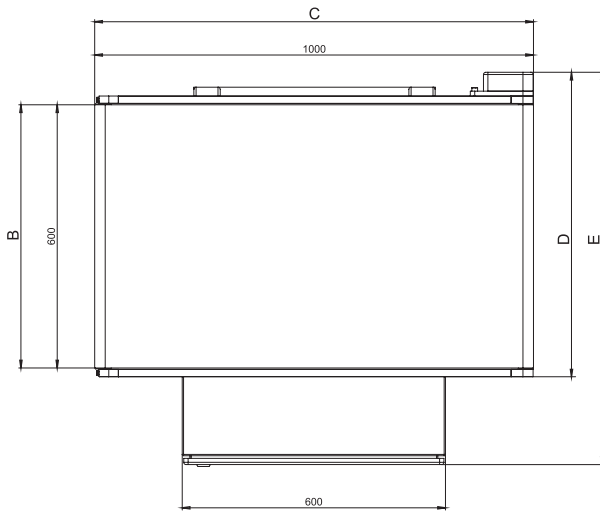
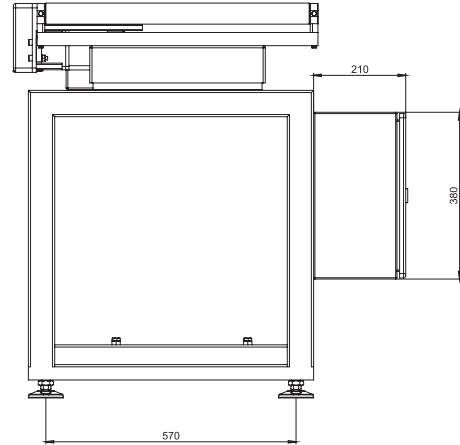
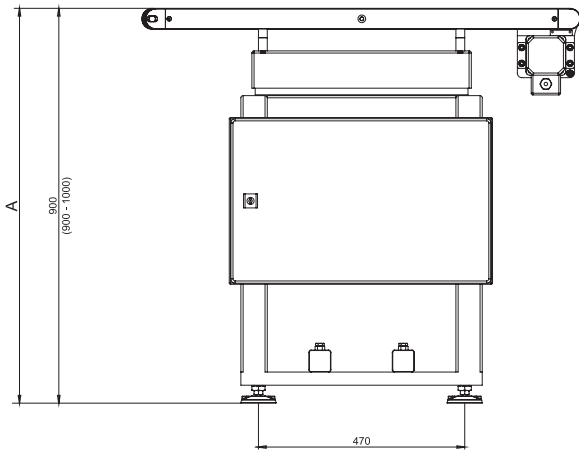
<sup>3)</sup> other conveyor sizes on request

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## Mechanical data



### Dimensions:

#### Valid for all EC-M-ML-3-SI and HC-ML-3-SI

A = Working height	600-700 (750) / 700-800 (850) / 800-900 (950) / 900-1,000 (1,050)
B = Weighing belt width	500 / 600 (see table)
C = Weighing belt length	700 / 800 / 900 / 1,000 (see table)
D = Total weighing conveyor width	Weighing belt width + 91
E = Total depth	Weighing belt width + 91 + 210 ( $\hat{=}$ depth cabinet) + 50 (spacer), if working height 600-700 (750) and weighing belt width 600
Dimensions cabinet EC on frame	600 x 380 x 210
Dimensions cabinet HC on frame	700 x 500 x 250

All measurements in mm.

These measurements are guideline values for a standard machine without application-specific and weighing-specific attachment parts.

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## Possible controllers

	<b>EC-Controller</b>	<b>HC-Controller</b>
<b>Display and operation</b>	4.7" graphical LCD touch screen, monochrome („Type RC-Term“)	10.4" TFT touch screen, VGA resolution, colour display („Type HC-Bedienterminal“)
<b>Available dialog languages<sup>4</sup></b>	Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Polish, Portuguese, Romanian, Russian, Slovenian, Spanish, Swedish, Turkish	
	-	Bosnian, Chinese
<b>Digital I/O</b>	8 digital inputs 12 digital outputs	8 digital inputs 8 digital outputs upgradeable
<b>Possible maximum number of connected motors</b>	4 motors (no motor mixed operation)	6 motors (motor mixed operation possible)
<b>External interface<sup>5</sup></b>	2 serial (selectable RS 232 / RS 422 / RS 485 / TTY) 1 Ethernet	4 serial (selectable RS 232 / RS 422 / RS 485 / TTY) 1 Ethernet Field bus: Profibus DP
	save & print on USB stick (Option)	

<b>Electrical connection</b>	<b>Controller</b>	<b>Motor</b>
Nominal voltage	230 V / 115 V	3 ~ 380 V - 480 V 1 ~ 230 V / 115 V
Nominal frequency	50 / 60 Hz	50 / 60 Hz
Connected load	< 0.2 kVA	application dependent

<b>Type approvals/ Certificates</b>	MID: DE-08-MI006-PTB 028 (EU & EFTA states)	
	NTEP: 08-053 (USA)	
	AM-5368 (Canada)	
	03.009.0386 (Russia)	03.009.0385 (Russia)
	GOST-R: POCC DE.TH02.H02764	
	OIML Certificate Nr: R51/1996-DE1-98.01	

<sup>4)</sup> other languages on request

<sup>5)</sup> other / additional interfaces on request

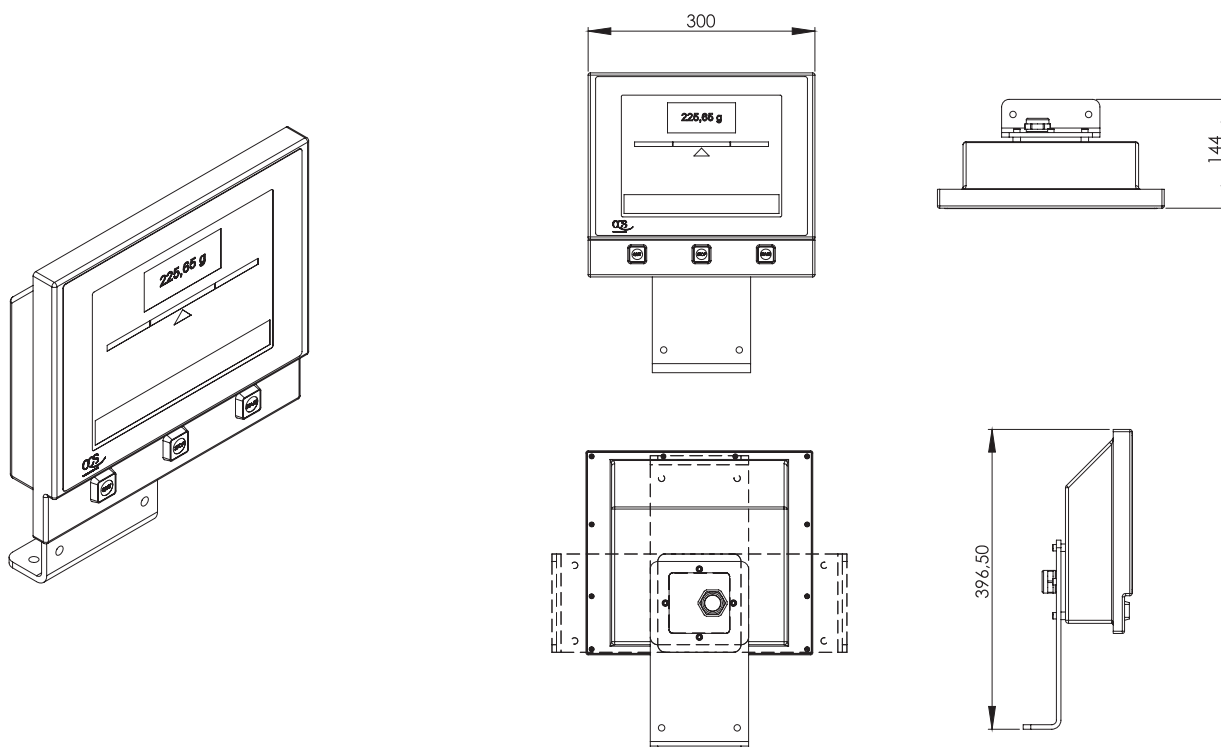
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Display and operating unit

## HC operation terminal for connection with HC scale



## RC-Term for connection with EC scale

