

# HC-FL-2

Technical data

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A Wipotec Brand



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Heavy load

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The HC-FL is especially designed for high-speed applications requiring top throughput rates. HC-FL offers high end weighing accuracies at high belt speeds.

**Weighing principle** The high-precision Weigh Cell works on the principle of Electro Magnetic Force Restoration (EMFR)

**Conveyor technology** Belt design with sandwich technology (V2A / anodised aluminium or others); quick belt replacement using off-the-shelf tools; no removing of the platform required; stepless readjustment of the belt speed via frequency converter

**Frame** Stainless steel base frame; an extremely rigid frame is used to meet highest speeds.

**Display and operation** Operating terminal with 10.4 inch TFT touch screen, full colour; HC remote control alternatively available

**Available languages** Bosnian, Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Portuguese, Spanish, Turkish (other languages on request)

**Possible numbers of connected motors** 6 (infeed conveyor, precision weighing conveyor, outfeed conveyor and others)<sup>1)</sup>

**Emergency operations** To comply with the utmost safety standards, our products have an integrated emergency operation function: activated via the Emergency Switch and followed by a message on the screen

**Interfaces** Optionally: RS 232c, RS 422, RS 485, TTY (current loop), Ethernet

HC = Highend Catchweigher / Checkweigher  
FL = Flexible Length

<sup>1)</sup> Additional conveyors require additional frequency converters

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	<b>GWR<sup>1)</sup></b> (gross weighing range)	<b>e<sup>1)</sup></b> (calibration value)	<b>n<sup>1)</sup></b> (graduation steps)
<b>HC-FL-2</b>	up to 60,000 g	≥ 20 g	≤ 3,000

	HC-FL-2	
Belt width \ Belt length	800	1,000
800	X	X
1,000	X	X
1,100	X	X
1,200	X	X
1,300	X <sup>3)</sup>	X <sup>3)</sup>
1,400	X <sup>3)</sup>	X <sup>3)</sup>
1,600	X <sup>3)</sup>	X <sup>3)</sup>

<b>Maximum speed</b>	2.8 m/s (NTEP, USA and Measurement Canada) 2.9 m/s (MID)
<b>Maximum throughput</b>	11,000 pph
<b>Temperature range<sup>1)</sup></b>	5° C to +40° C
<b>Type approvals</b>	MID: DE-08-MI006-PTB 028 NTEP: 08-052 MC: AM5790
<b>Electrical connection</b> Nominal voltage Nominal frequency	for controller: 115/230 V 1~ / for motor power: 400/460 V 3~ 50-60 Hz
<b>Connected load</b>	0.1 - 0.9 m/s: approx. 1.5 kVA 1.0 - 2.9 m/s: approx. 2.0 kVA
<b>Weight</b> Intrinsic weight Dispatch weight	approx. 100 - 400 kg (depending on the belt size) approx. 160 kg - 520 kg
<b>Protection type</b>	General protection type IP 55

<sup>1)</sup> Depends on the respective type approvals and scale positioning

<sup>2)</sup> Detailed information available on request

<sup>3)</sup> Surcharge

# HC-FL-2

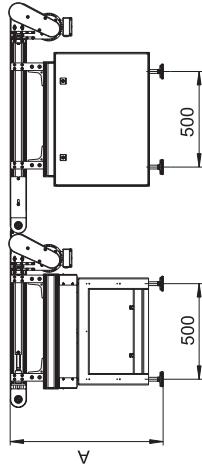
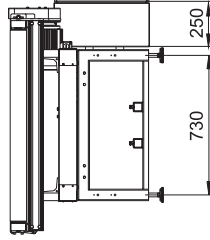
Heavy load, Type HC-FL-2



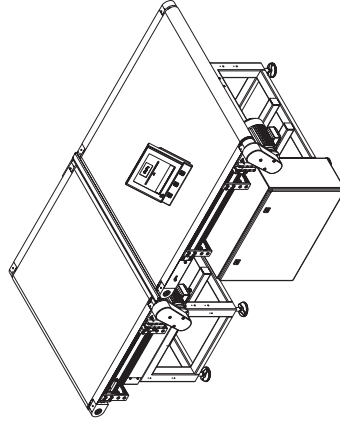
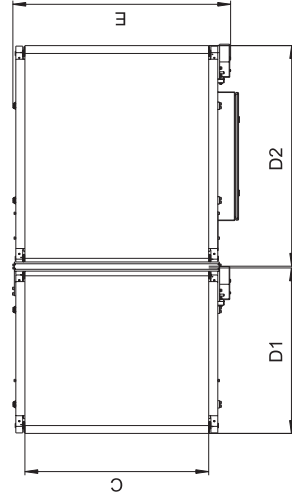
CHECKWEIGHERS

## Dimensions:

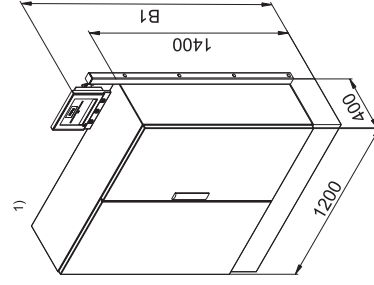
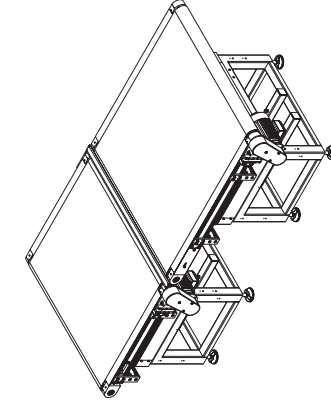
Valid for HC-FL-2	
A = Working height	500-650, 600-750, ..., 900-1050
B1 = Total height CABINET	approx. 1800
B2 = Total height COLUMN	approx. 1750
C = Belt width	800 / 900 / 1000
D1/2 = Weighing belt length	800-1600
E = Conveyor width	Belt width + 200 mm



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



## Option: Stand alone cabinet/column



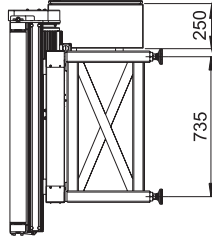
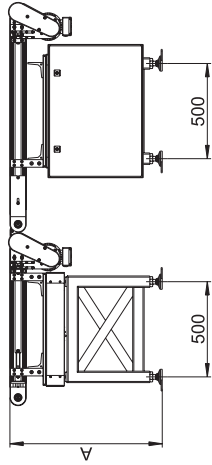
1) Depends on the respective type approvals

# HC-FL-2

Heavy load, Type HC-FL-2  
High speed Option



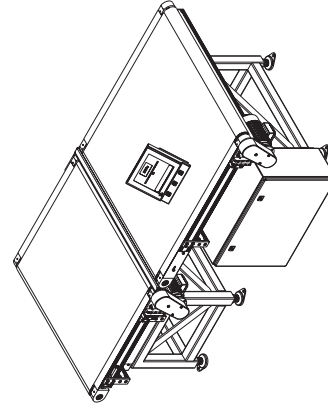
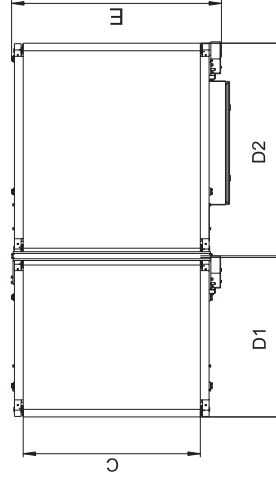
CHECKWEIGHERS



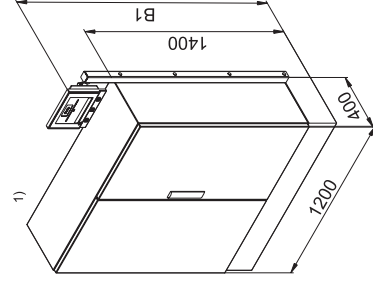
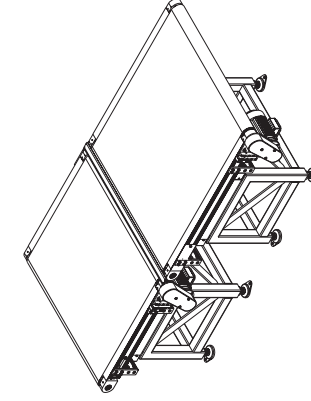
## Dimensions:

Valid for HC-FL-2 mit High speed Option	
A = Working height	550-650, 600-700,... 1100-1200
B1 = Total height CABINET	approx. 1800
B2 = Total height COLUMN	approx. 1750
C = Belt width	800 / 900 / 1000
D1/2 = Weighing belt length	800-1600
E = Conveyor width	Belt width + 200 mm

All measurements in mm.  
These measurements are guideline values for the standard machine without application-specific and weighing-specific attachment parts.



## Option: Free standing cabinet/column



<sup>1)</sup> Depends on the respective type approvals



CHECKWEIGHERS

