

EC-M-Evo

Technical data

OCS Checkweighers, Inc.
2350 Hewatt Road
Snellville, Georgia 30039, USA
www.ocs-cw.com
info.usa@ocs-cw.com



CHECKWEIGHERS



03GB 21C01 CLDE 5

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A Wipotec Brand

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The dynamic scales type EC-M-Evo provide the perfect solution for precise and quick weight detection for products up to a total weight of 60 kg, as well as for products with large geometric dimensions. These scales are used in the Logistics business, especially in CEP (Courier, Express and Parcel), mail-order business, intra-logistics in general and also in the industrial sector (e.g. for packings like bags, canisters and tins). The machine type EC-M-Evo offers high weighing accuracies using large weighing conveyors for lower and average belt speeds for a favorable entry-level price.

| | |
|---|--|
| Weighing principle | The precision weigh cell works on the principle of Electro Magnetic Force Restoration (EMFR), manual and automatic measurement time detection. |
| Frame | Powder-coated (RAL 7035) support frame in a stable tubular frame construction. |
| Machine type | EC-M-Evo |
| Belt type | SL 80-E (Ø 80 mm) (Ø 3.15 in) |
| Max. weighing range | 60,000 g (132 lbs) |
| Rang of speed | 0.2 - 1.3 m/s |
| Noise level | 69dB max. |
| Calibration value (e_{min}) | ≥ 50 g (0.1 lbs) |
| Weigh cell | IW-B-150k |
| Drive | Servo |
| Protection type | IP 54 |
| Working height | 600-720 mm / 700-820 mm / ... 1100-1220 mm (23.7 - 28.3 / 27.6 - 32.3 / ... 43.3 - 48.0 in) |

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| Conveyor size in mm (in) | | EC-M-Evo | | |
|--------------------------|----------------|------------|-----------------|-----------------|
| Conveyor length | Conveyor width | 600 (23.7) | 800 (31.5) | 1000 (39.4) |
| 800 (31.5) | | x | x ¹⁾ | x ¹⁾ |
| 900 (35.4) | | x | x | x ¹⁾ |
| 1000 (39.4) | | x | x | x ¹⁾ |
| 1100 (43.3) | | x | x | x |
| 1200 (47.3) | | x | x | x |
| 1300 (51.2) | | x | x | x |
| 1400 (55.1) | | x | x | x |
| 1500 (59.0) | | x | x | x |
| 1600 (63.0) | | x | x | x |

| | | | |
|--|---|---------------------|---------------------|
| Controller | | | |
| Display and Operation | 4.7" monochrome touch-screen, mounted on the cabinet | | |
| Available dialog languages²⁾ | German, English, French, Danish, Portuguese, Dutch, Spanish, Polish, Finnish, Czech, Croatian, Italian, Slovenian, Turkish, Hungarian, Swedish, Romanian, Russian | | |
| Digital I/O | 8 x digital inputs 12 x digital output | | |
| Interfaces | | Interface 1 | Interface 2 |
| | Variant A | RS232; RS422; RS485 | Ethernet |
| | Variant B | RS232; RS422; RS485 | RS232; RS422; RS485 |

| | |
|------------------------------|--|
| Electrical connection | |
| Nominal voltage | 115 V / 230 V (L1 / N / PE) 400 V / 480 V (L1 / L2 / PE) on request |
| Nominal frequency | 50 / 60 Hz |
| Connect load | 1.1 kVA max. |

| | |
|--------------------------------------|--------------------------|
| Type approvals / Certificates | MID: DE-08-MI006-PTB 028 |
| | NTEP: 08-053 |
| | Canada: AM-5368 |

¹⁾ on request

²⁾ other languages on request

EC-M-Evo

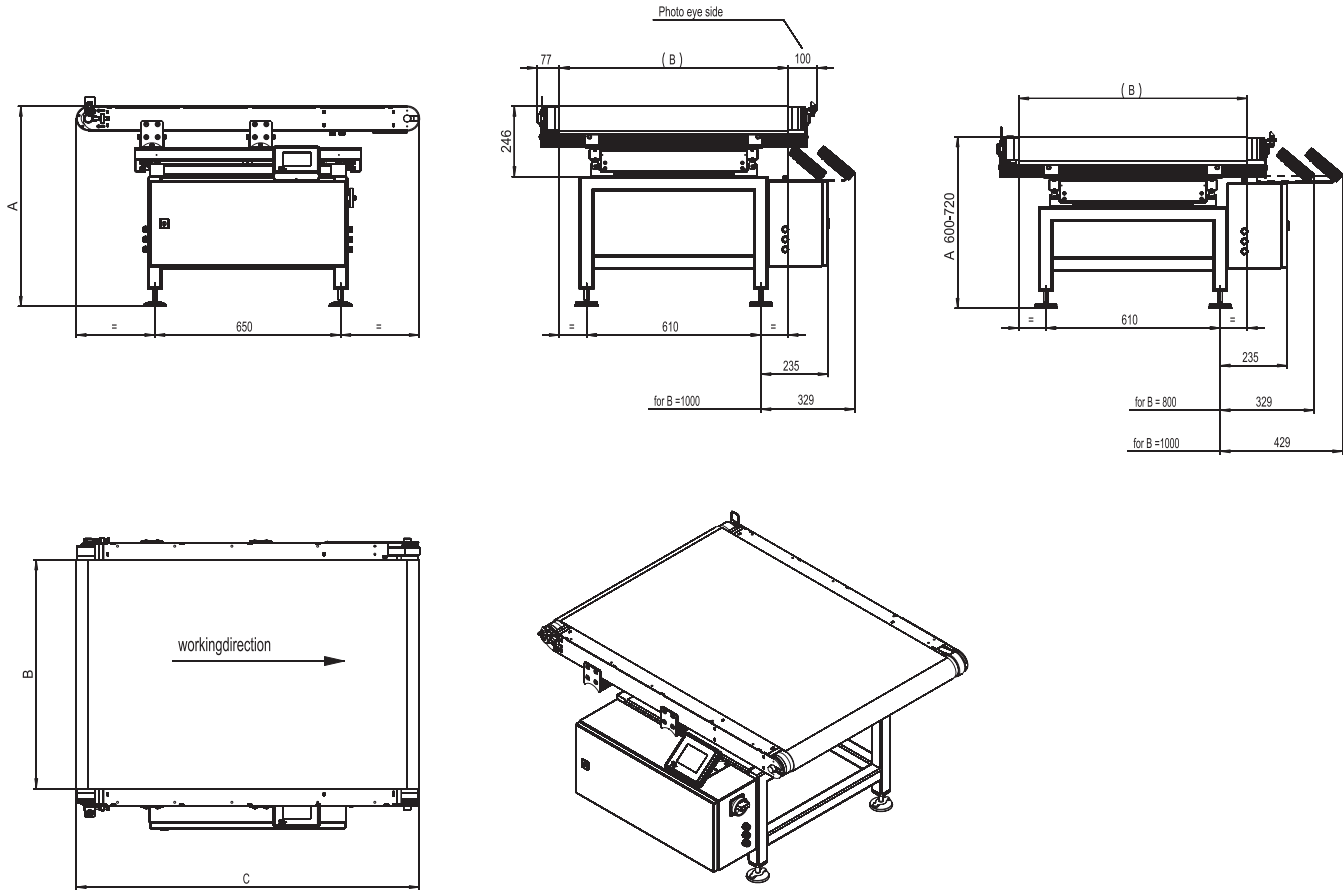
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Mechanical data



All drawings show the version "cabinet position right"

Dimensions:

| Valid for all EC-M-Evo versions | |
|---------------------------------|--|
| A = Working height | 600-720* / 700-820 / 800-920 / 1000-1120 / 1100-1220 (23.7 - 28.3 / 27.6 - 32.3 / 31.5 - 36.2 / 39.4 - 44.1 / 43.3 - 48.0 in) |
| B = Weighing belt width | 600 / 800 / 1000 (23.7 / 31.5 / 39.4 in) |
| C = Weighing belt length | 800 / 900 / 1000 / 1100 / 1200 / 1300 / 1400 / 1500 / 1600 (31.5 / 35.4 / 39.4 / 43.3 / 47.3 / 51.2 / 55.1 / 59.0 / 63.0 in) |

* The position of the display is different for working height (A)= 600-720.

All measurements in mm. (Inches and lbs in brackets)

These measurements are guideline values for the standard machine without application-specific and weighing-specific attachment parts (e.g. finger protection etc.)