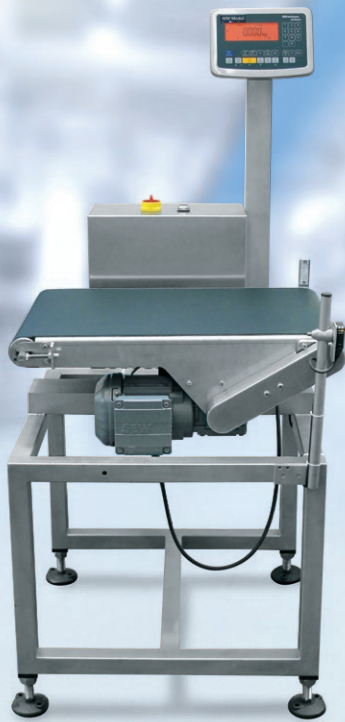


Weighing systems WM 6/35/60/120 kg

The entry-level system for dynamic quality control



! Benefits

- Unrivalled price-performance ratio
- Weight range up to 120 kg
- Memory can hold up to 100 products
- Design optionally in stainless steel
- TCP/IP, RS-422, RS-485 interfaces
- RS-232, optional PROFIBUS, PROFINET, TCP/IP, RS-422, RS-485 interfaces

Compact, accurate and efficient the WM weighing systems from Minebea Intec provides everything a weighing system should and more, and all at a fantastic price | performance ratio too. The WM is fully flexible and can be adjusted to individually support any industrial requirement, regardless of the operational environment.

At such a competitive price the WM is an ideal entry level system for dynamic quality control within your production process. The user interface has specifically been designed to provide universal usability through the provision of a range of useful and simple to use applications. In order to provide a significant increase in production line efficiency the WM is delivered equipped with an extensive product memory, allowing users to quickly change from product to product.

To solidify its position as one of the best value weighing system the WM is constructed from the highest quality materials, guaranteeing its longevity even in the harshest conditions, and under the toughest cleaning regimes.

Weighing systems WM 6/35/60/120 kg – Standard indicator

- Weighing range (product weight) up to 120 kg
- RS-232C data interface
- 14-segment backlit display
- Memory can hold up to 100 products
- Switching between static and dynamic operation
- Fixed weight values in dynamic operation
- Smoothly adjustable belt speed at the frequency converter
- Input signal "Start belt", Output signal "Belt in motion" and "Classification output for incorrect weight"
- Classification output for correct weight
- Modules can be used universally in direction of transport; operating side can be selected freely
- Dynamic correction factor can be input
- IP65



Standard indicator

Weighing systems WM 6/35/60/120 kg – Standard indicator function extensions

- TCP/IP, RS-422, RS-485 interfaces
- Field bus interfaces: PROFIBUS, PROFINET
- Serial fault detection (Detection of serial eliminations)
- Sorting control
- Display separate from the scales
- Design in stainless steel AISI 304 (1.4301)



X4 evaluation electronic system

Weighing systems WM 6/35/60/120 kg – X4 evaluation electronic system (optional)

- Rapid ADC (analogue-digital converter) with measuring times from 10 msec
- Large 13 mm weight display, self-illuminating
- Additional two-line 5 mm dot matrix programmable for 20-character text
- Integrated operating elements on the front plate, 16 multi-function keys and three soft keys
- Closed aluminium-steel housing, front-side protection class IP65, rest IP30
- Suitable for switch panel mounting
- Compact wide-range power supply unit
- 1 MB SRAM memory as working memory for system, data, tables and ALIBI, volatile

Weighing systems WM 6/35/60/120 kg – X4 function extensions

- RS-232/422/485 serial interfaces
- Digital EA interfaces (binary/BCD)
- Analogue interfaces (0/4 – 20 mA)
- Ethernet (100 Mbit/s, TCP/IP)
- PROFIBUS-DP or DeviceNet

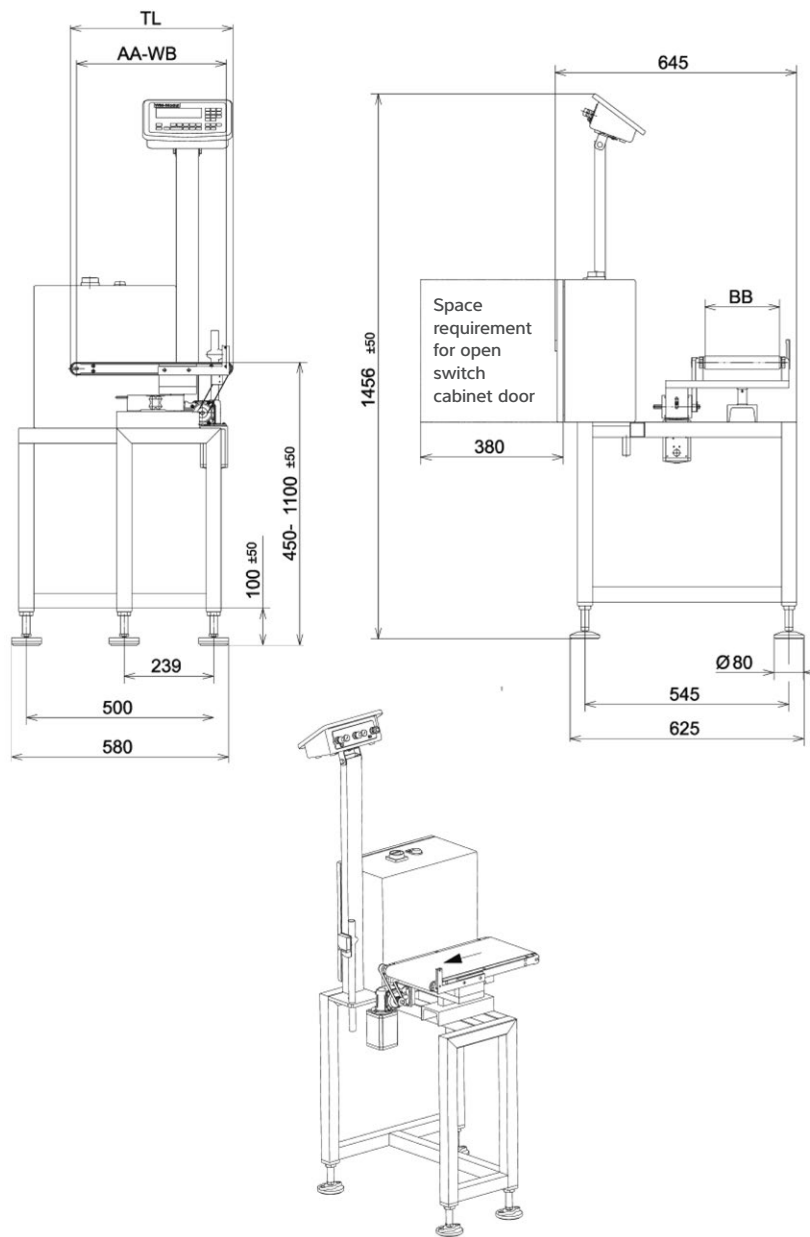
Technical data

Weighing systems WM 6/35/60/120 kg			
Characteristics	WM6	WM35	WM60/120 kg
Weighing range	0 g to 6,000 g	0 g to 35,000 g	50 g to 60,000 g/120,000 g
Throughput	65 – 109 pc/min	34 – 55 pc/min	17 – 31 pc/min
Speed ranges	18...36 m/min	18...36 m/min	18...50 m/min
Centre distance	300 mm 400 mm 500 mm	600 mm 800 mm 1,000 mm	1,100 mm 1,300 mm 1,500 mm 1,700 mm 1,900 mm 2,100 mm
Belt width	200 mm / 300 mm	400 mm / 500 mm	700 mm / 900 mm
Roller diameter	29 mm	60 mm	70 mm
Transport medium	Belt	Belt	Belt
Drives	3- AC motor	3- SEW Spiroplan gear motor	3- SEW Spiroplan gear motor
Transport height (in 50 mm grid), Adjusting range of feet: +/- 25 mm	400 mm to 1,100 mm	450 mm to 1,100 mm	450 mm to 1,100 mm
Supply voltage	230 V V_{AC} (+ 10%/-15%); 50/60 Hz (L1, N, PE)		
Power consumption	approx. 500 VA	approx. 700 VA	approx. 1,000 VA
Feed direction	From right to left or from left to right, operating side to front or rear		
Ground clearance	50 mm +/- 25 mm		
Temperature range	-10°C to +40°C		
Protection class	IP65		
Machine safety	Design conforms to the requirements of EC Machinery Directive 2006/42/EC		
Dimensions	See dimension drawings		

Weighing systems WM 6/35/60/120 kg – Variants				
Description	Centre distance/ Belt width [mm]	Max. product dimensions (mm)	Scales dimensions	Weight
WM6DCP-I000Q	300/200	100×200	595×640×(Table height × 500) mm	35 kg
WM6ECP-I000Q	400/200	200×200	595×640×(Table height × 500) mm	37 kg
WM6EDP-I000Q	400/300	200×300	595×640×(Table height × 500) mm	39 kg
WM6FCP-I000Q	500/200	300×200	595×640×(Table height × 500) mm	42 kg
WM6FDP-I000Q	500/300	300×300	595×640×(Table height × 500) mm	44 kg
WM35GEP-I000Q	600/400	400×400	660×760×(Table height × 500) mm	83 kg
WM35GES-I000Q	600/400	400×400	660×760×(Table height × 500) mm	93 kg
WM35IEP-I000Q	800/400	600×400	660×760×(Table height × 500) mm	86 kg
WM35IES-I000Q	800/400	600×400	660×760×(Table height × 500) mm	96 kg
WM35LFP-I000Q	1,000/500	800×500	660×760×(Table height × 500) mm	106 kg
WM60MHE-I000Q	1,100/700	800×700	1,130×1,110×(Table height × 560) mm	125 kg
WM60OHE-I000Q	1,300/700	1,000×700	1,330×1,110×(Table height × 560) mm	131 kg
WM60RHE-I000Q	1,500/700	1,200×700	1,330×1,110×(Table height × 560) mm	137 kg
WM60RKE-I000Q	1,500/900	1,200×900	1,530×1,310×(Table height × 560) mm	142 kg
WM60TKE-I000Q	1,700/900	1,400×900	1,730×1,310×(Table height × 560) mm	146 kg
WM60WKE-I000Q	1,900/900	1,600×900	1,930×1,310×(Table height × 560) mm	150 kg
WM60YKE-I000Q	2,100/900	1,800×900	2,130×1,310×(Table height × 560) mm	165 kg
WM120MHE-I000Q	1,100/700	800×700	1,130×1,110×(Table height × 560) mm	125 kg
WM120OHE-I000Q	1,300/700	1,000×700	1,330×1,110×(Table height × 560) mm	131 kg
WM120RHE-I000Q	1,500/700	1,200×700	1,530×1,110×(Table height × 560) mm	137 kg
WM120RKE-I000Q	1,500/900	1,200×900	1,530×1,310×(Table height × 560) mm	142 kg
WM120TKE-I000Q	1,700/900	1,400×900	1,730×1,310×(Table height × 560) mm	146 kg
WM120WKE-I000Q	1,900/900	1,600×900	1,930×1,310×(Table height × 560) mm	150 kg
WM120YKE-I000Q	2,100/900	1,800×900	2,130×1,310×(Table height × 560) mm	165 kg

Technical diagrams

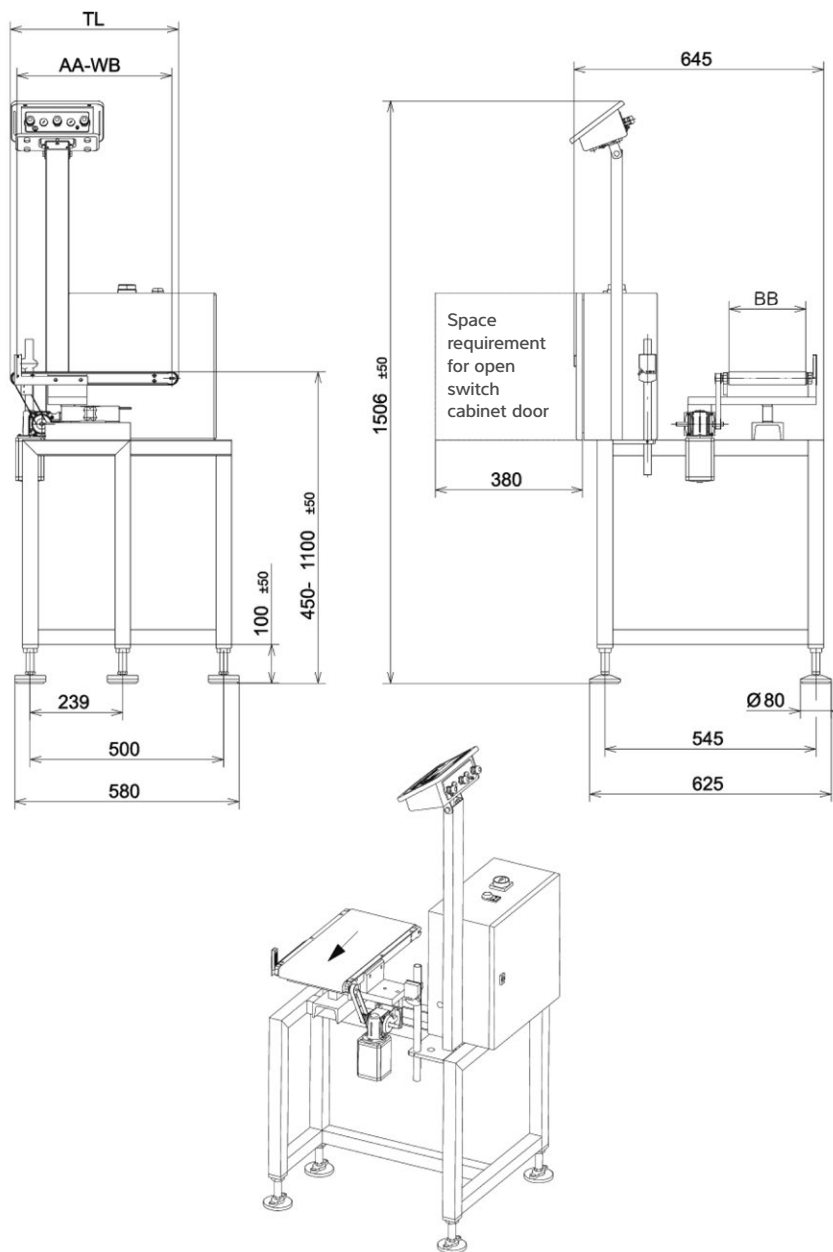
Weighing system WM6 R->L



Description	Conveyor belt length TL (mm)	Centre distance AA-WB (mm)	Belt width BB (mm)
WM6DCP-I000Q	300	approx. 270	200
WM6ECP-I000Q	400	approx. 370	200
WM6EDP-I000Q	400	approx. 370	300
WM6FCP-I000Q	500	approx. 470	200
WM6FDP-I000Q	500	approx. 470	300

Weighing system WM6 R->L

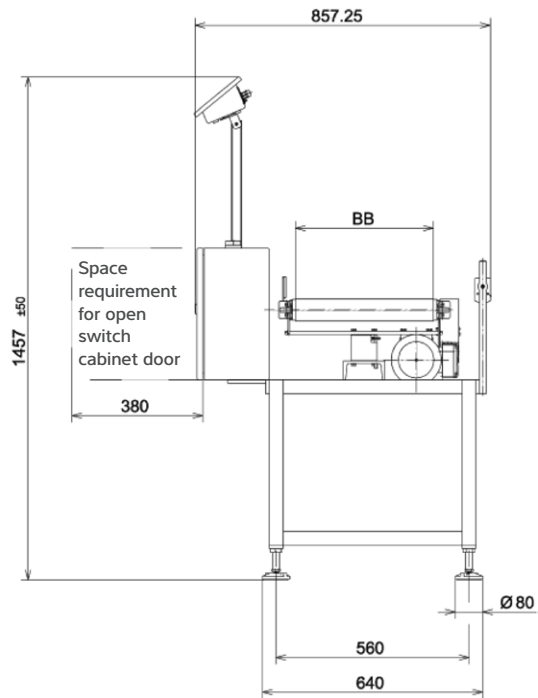
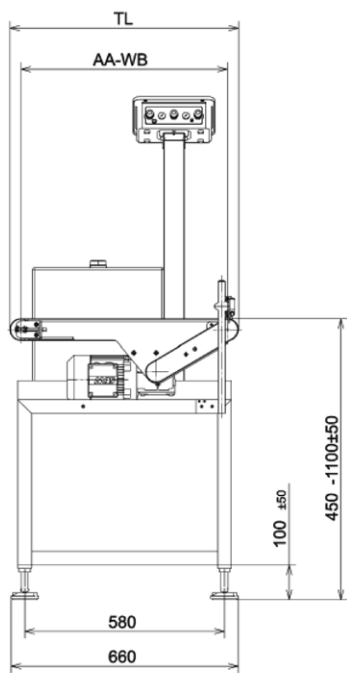
Weighing system WM6 L->R



Weighing system WM6 R->L

Technical diagrams

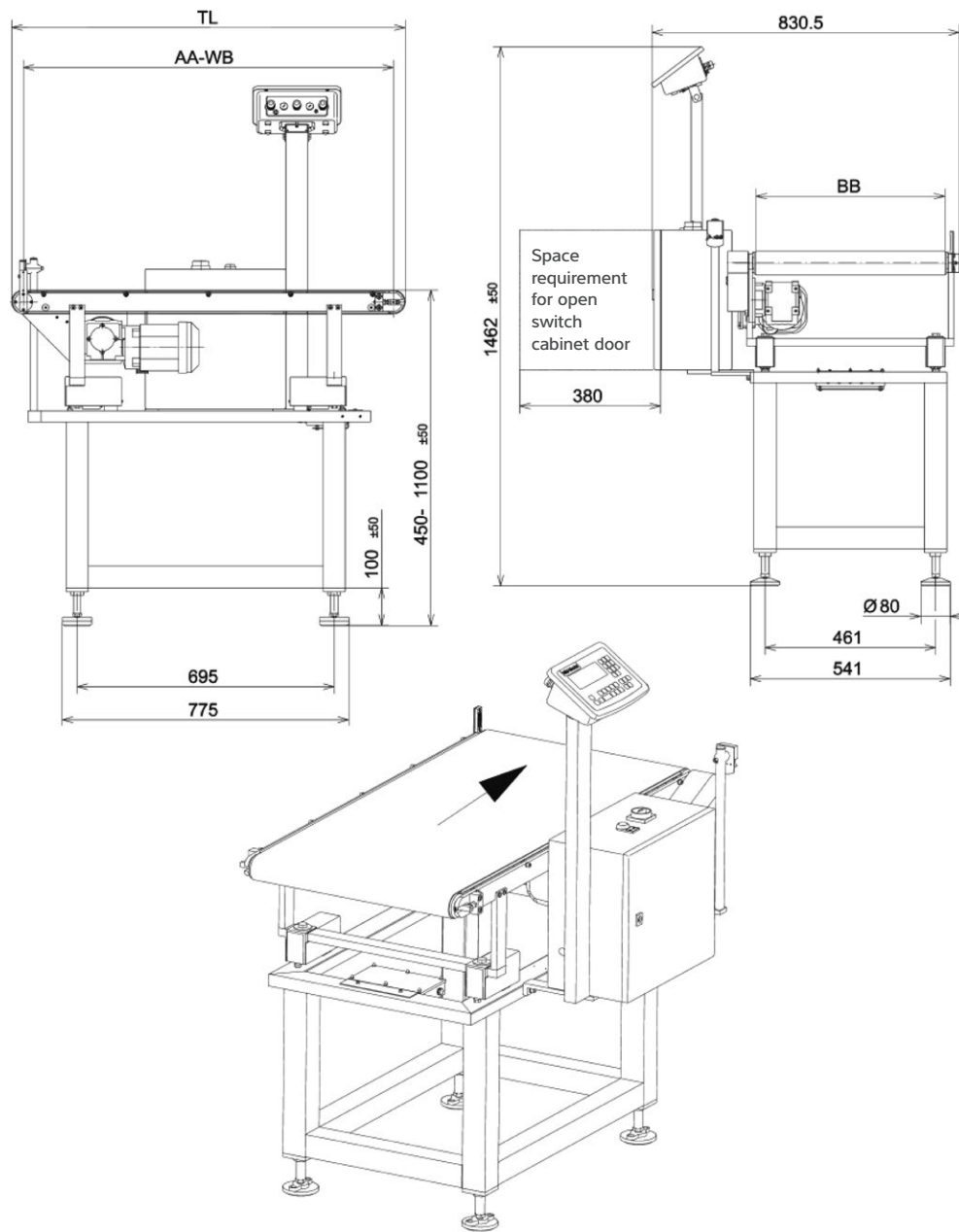
Weighing system WM35



Description	Belt width BB (mm)	Conveyor belt length TL (mm)	Centre distance AA (mm)
WM35GEP-I000Q	400	660	600
WM35GES-I000Q	400	660	600
WM35IEP-I000Q	400	860	800
WM35IES-I000Q	400	860	800

Weighing system WM35

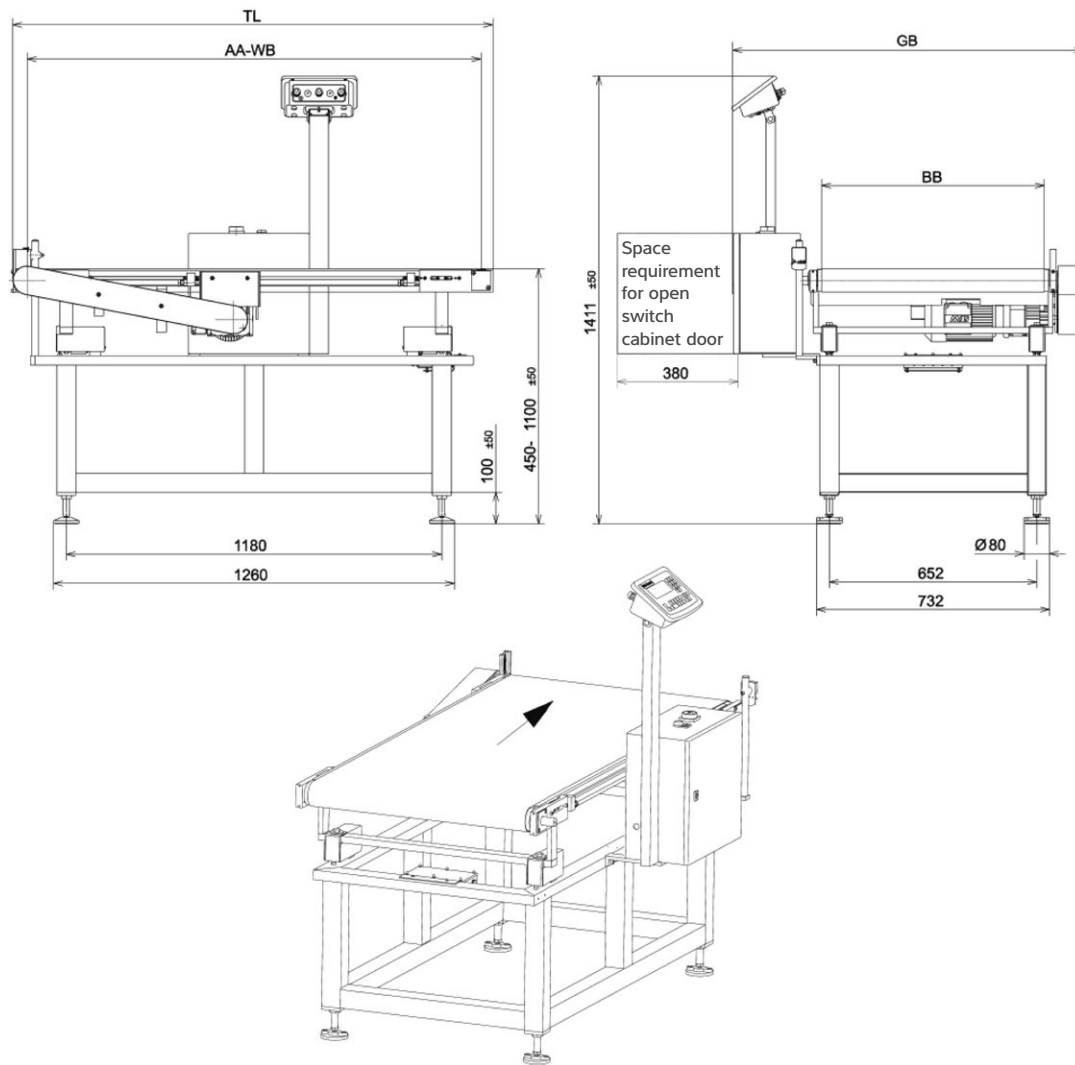
Weighing system WM35



Description	Belt width BB (mm)	Conveyor belt length TL (mm)	Centre distance AA (mm)
WM35LFP-I000Q	500	1,060	1,000

Weighing system WM35

Weighing system WM60/120



Description	Belt width BB (mm)	Conveyor belt length TL (mm)	Centre distance AA (mm)
WM60/120MHE-I000Q	700	1,100	1,030
WM60/120OHE-I000Q	700	1,300	1,230
WM60/120RHE-I000Q	700	1,500	1,430
WM60/120RKE-I000Q	900	1,500	1,430
WM/60120TKE-I000Q	900	1,700	1,630
WM60/120WKE-I000Q	900	1,900	1,830
WM60/120YKE-I000Q	900	2,100	2,030

Weighing system WM60/120

All dimensions in mm

The products and solutions presented in this data sheet make major contributions in the following sectors:



Food and beverages

Pharmaceutical

Chemical

Agribusiness

Cosmetics

Building materials

Recycling

The technical data given serves as a product description only and should not be understood as guaranteed properties in the legal sense.

Specifications subject to change without notice.
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