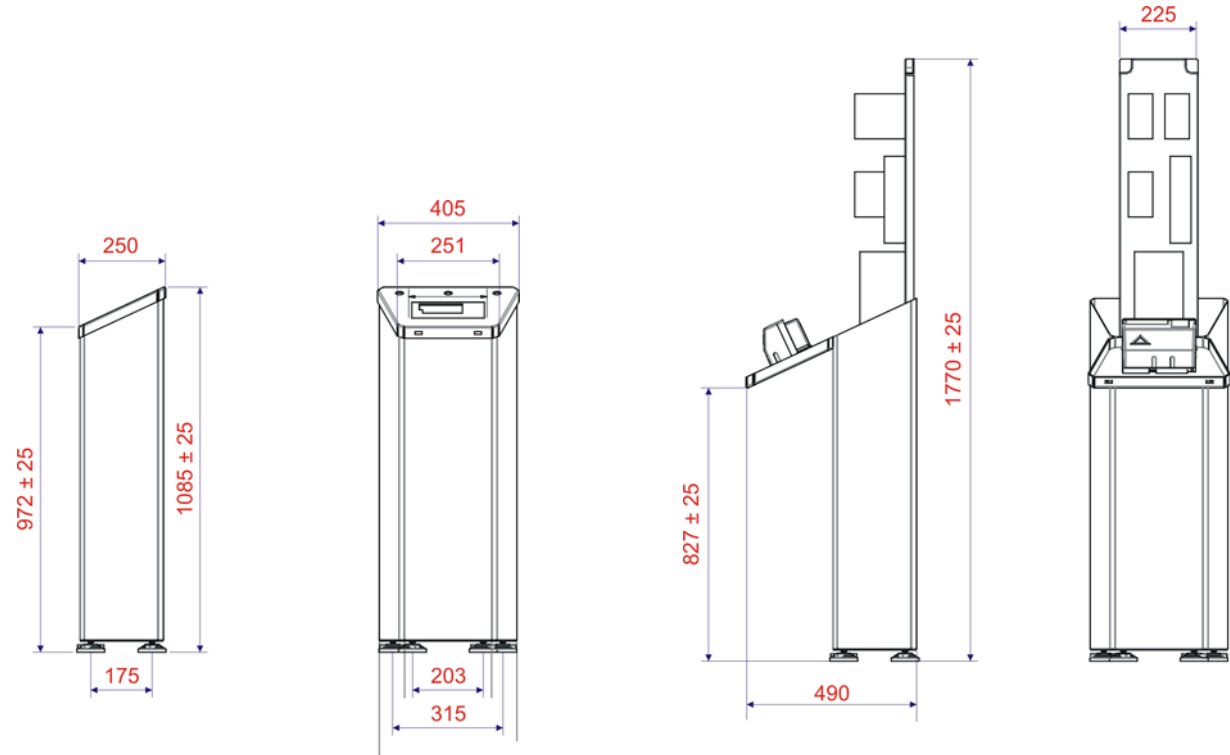


**Dimensions:**



- Protection rating IP 54.
- Speed controller; frequency 10 to 90 Hz.
- Conveyor run override switch.
- Power on indicator lamp.
- Emergency stop button.
- 24 V active control or potential free contacts (ejectors, indicator lights).
- Contacts for upstream and downstream sequence control.
- 230 V, single phase, 50 Hz, 0.5 kW power supply.
- Options:
  - Speed controller for upstream conveyor.
  - Speed controller for downstream conveyor.

**Control cabinet**

**Instrumentation**

I 400 indicator with CKW application.

See I 400 technical data sheet:

- Weighing Terminal (04-32-20-1 FT)
- Transmitter (04-32-10-1 FT)
- I 400 CKW Application (04-32-70-1 FT)



**Application**

The CKW check weigher is designed for all weighing applications, dynamic or static, for conveyed products:

- in motion weighing,
- checking production tolerance,
- weight classification,
- checking order compliance,
- checking prepacked goods.

The CKW check weigher is available in 3 versions :

- CKW : standard industrial environment
- CKW S: harsh industrial environment
- CKW S+: food industry

**Approved for trade use**

- Directive MID 2004/22/CE.
- Certification class XIII (1) and Y (a).

**CKW  
Check weigher**



06/2008

08-09-00-1 FT

**European conformity**

- Machinery Directive 89/392/CEE.
- Low Voltage Directive 73/23/CEE.
- Electromagnetic Compatibility Directive 89/336/CEE .

**Functions**

- Management of 1 to 8 weight classes that can be associated with 7 ejection systems.
- Control of the weighing conveyor.  
Control of an upstream throughput conveyor and downstream ejector conveyor (options).
- Several operating modes:
  - acquisition of weight in motion (catch weigher),
  - stop product for addition or removal,
  - sorter/calibrator with ejection, etc.
- Full control of the process by averages via a MODBUS serial link or CAN Open fieldbus, Profibus DP, Device Net, TCP/MODBUS.

For further details, refer to application sheet I 400 CKW : 04-32-70-1 FT.

**Metrological characteristics**

Model	Max. capacity (kg)	Division (g) OIML*/Non-OIML	Max.**rate (weighings/min)
CKW 100	2	1/0.2	180
CKW 150	2	1/0.2	180
CKW 250	3	2/0.5	150
CKW 350	3	2/1	150
CKW 400P1	10	5/2	150
CKW 400P2	20	10/2	150
CKW 500 L1	30	20/5	60
CKW 500 L2	30	20/5	60
CKW 600 L1	35	20/10	40
CKW 600 L2	35	20/10	40
CKW 650	60	50/20	40

\* Approved for Trade Use.  
\*\* The performance figures given are the maximum performance under optimum conditions. They depend on many factors such as the shape of the objects, upstream handling, environmental conditions, etc. A specification sheet must be completed in order to accurately specify the model with the most suitable performance and feasibility.

Fully complies with the MID Directive.

**Scope of supply**

- A weighing conveyor on a frame including an I 400 TB transmitter and a detection cell.
- A control console including an I 400 terminal.
- A set of connecting cables.

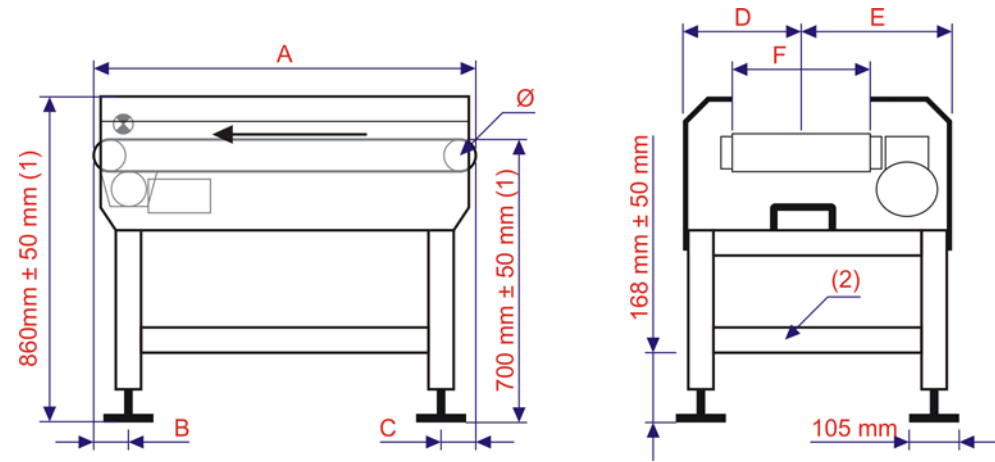
**Your weighing specialist**

Illustrations are not contractual. Precia-Molen reserves the right to modify at any time, without prior notice, the information contained in this leaflet.

Offices and Factory  
P.O. Box 106 - F 07000 Privas - France  
Tel. 33 (0) 475 664 600  
Fax 33 (0) 475 658 330  
E-MAIL webmaster@preciamolen.com  
RCS : 386 620 165 RCS Aubenas



Overall dimensions of standard model



(1) Subject to specification  
(2) Removable after CKW 400

	A	B	C	D	E	F	Ø	Nom. speed at 50Hz
CKW 100	300	40	40	175	250	100	30	Mm 27 m/min
CKW 150	350	40	40	200	275	150	30	Mm 27 m/min
CKW 250	400	40	40	250	325	250	30	Mm 27 m/min
CKW 350	500	40	40	300	375	350	30	Mm 27 m/min
CKW 400	600	30	30	290	335	400	50	Mm 29.7 m/min
CKW 500 L1	700	30	30	340	385	500	50	Mm 29.7 m/min
CKW 500 L2	800	30	30	340	385	500	50	Mm 29.7 m/min
CKW 600 L1	1 200	30	30	405	455	600	50	Mm 38 m/min
CKW 600 L2	1 500	30	30	405	455	600	50	Mm 38 m/min
CKW 650	1 200	30	30	450	500	650	100	Mm 38 m/min

Electrical characteristics

- Motors - three phase 400/230 V (delta).
- Reflex polarised photoelectric cells.
- 1 I 400 TB transmitter with:
  - Load cell and photo cell connection.
  - TOR I/O control (ejectors, belt cells, etc.)

Options

- Upstream conveyor mounted on the same frame for separation of packages.
- Ejection conveyor mounted on an independent frame with one or more blower type ejectors, deflector, pusher depending on the application.
- Special paint finish (quality and colour to RAL colour chart).

Weighing conveyor

Includes 1 load cell up to model CKW 400, then 4 load cells from model CKW 500.

Design

	CKW	CKW S	CKW S+
Frame/Feet/Side plates	ADX RAL 7036	Stainless steel 304L	Stainless steel 304L
Conveyor	ADX/Alu	Stainless steel 304L/Alu	Stainless steel 304L
Drum	ADX/PVC	Stainless steel 304L/PVC	Stainless steel 304L/PVC
Bearings	Double sealed steel	Double sealed steel	Double sealed stainless steel
Motor enclosure	No	No	Stainless steel 304L
Food quality belt	Option	Yes	Yes
Load cell	Alu	Alu	Stainless steel
Load cell enclosure	Stainless steel 304L	Stainless steel 304L	Stainless steel 304L

