

Accuracy:  $\pm 0,25\%$   
 Modular length and belt width  
 Easy maintenance and commissioning  
 Longevity and modularity range reference  
 Permanent technical innovation

Cement,  
 Construction materials,  
 Gypsum – plaster,  
 Steel, aluminium,  
 Fertilizer,  
 Mines,  
 Wood, Tobacco,  
 etc.

**GRAVIT**



- Modular construction
- Adapted and smooth surfaces
- High rigidity thanks to folded side girders
- Belt tension device with tensioning roller
- Auto-centring belt system
- Flow range: 1:10 ; 1:20 ; 1:100

**Function:**

The material flows from the stocking silo through the inlet onto the belt and is conveyed to the weigh bridge. Taking into account the conveying distance between the weigh bridge and the discharge point, the flowrate is calculated according to the belt speed and the load measured at the discharge point.

The flow rate is kept constant by the SCM 2 controller at the weighfeeder discharge point by modifying the belt speed according to the load measured and the setpoint applied.

**Options:**

**Spillage Conveyor:**

One or more scraper(s) driven by two side chains recover the particles that escaped from the weighfeeder and bring them back to the common discharge point



**Hammer Gate:**

This gate limits the height of the extraction section while enabling the passage of oversized material lumps, the mobile elements (hammers) lifting then returning to their original position once the material lumps have gone through.



**Other options:**

Inlets : Vibrating / elongated / rock-box  
 Rod closing gates / cut-off gates  
 Material cover  
 High temperature resistant belt  
 Digital load cells

**Controller:**

Informations and signals from the feeder's sensors directly reach the controller which calculates the flowrate-totalization of the regulation signal.

Detailed alarm informations are obtained via the display (SDU).

\* SCM2 Field or Panel version:  
 see : SCM2F-260.001-E. or SCM2-P.260.001-E.b



SCM2-Panel



SDU



SCM2-Field

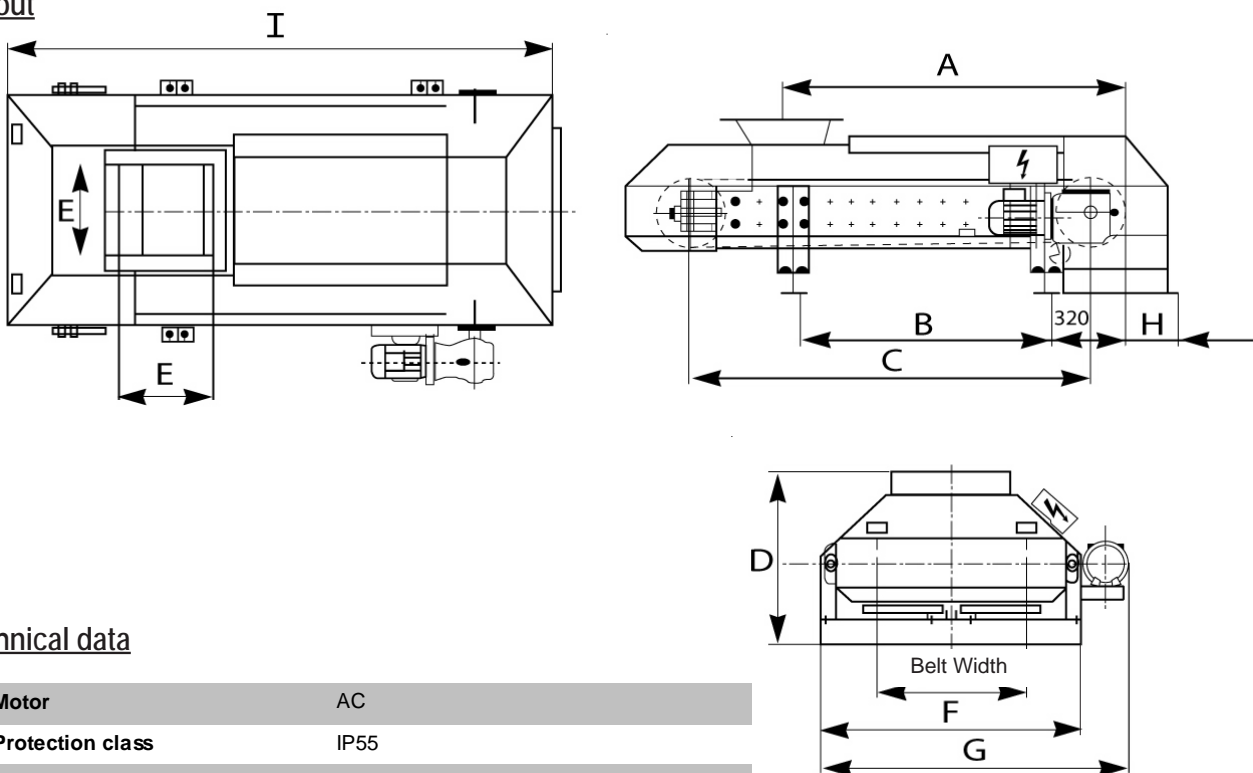
**Dimensions and Flowrates**

Type	Belt Width	I	E	A min	B min	H	C min	D	F	G	Kg min	Flow range t/h $\alpha = 1 \text{ t/m}^3 - V \text{ max}^{**} = 0,5 \text{ m/s}$ In extraction
GRAVIT 650	650	C + 700	400*	1200	700	229	1350	850	1140	-1350	665	40
GRAVIT 800	800	C + 700	500*	1200	700	229	1350	850	1290	-1550	775	90
GRAVIT 1000	1000	C + 900	600*	1500	1100	429	1750	900	1530	-1800	940	170
GRAVIT 1200	1200	C + 900	800*	1500	1500	429	2150	1000	1730	-2030	1140	250
GRAVIT 1400	1400	C + 900	1000	1600	1500	429	2150	1100	1930	-2230	1300	350

All dimensions in mm

\*: Length can be doubled in order to increase the extraction surface

\*\*: Maximum speed to take into account only for very good flowing materials.

**Layout**

**Technical data**

<b>Motor</b>	AC
<b>Protection class</b>	IP55
<b>Rating</b>	0,37 – 7,5 kW
<b>Gear unit</b>	Hollow shaft helical bevel gear
<b>Transmission</b>	Direct on head drum
<b>Working temperature range</b>	-10°C to + 60°C
<b>Speed sensor</b>	Digital encoder
<b>Girders and cover</b>	Steel
<b>Conveyor belt</b>	Rubber: endless vulcanized
<b>Corrosion protection</b>	Primer, Finish coat
<b>Color &amp; Coating</b>	RAL 5000, 80 µm standard blue

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