

## Brabender Loss-in-Weight Feeder Type DDW-H33-DSR103-200[300]

The Brabender Loss-in-Weight Feeder DDW-H33-DSR103-200[300], the gravimetric version of the Brabender Screw Feeder Type DSR 103, feeds bulk ingredients with good to restricted flowability.

It consists of a free-standing mounting base with integrated scale and weighing module (Intelligent Digital Load Cell IDL-F with software filter for dynamic electronic vibration attenuation), the Brabender Screw Feeder Type DSR 103 as feed module and an extension hopper.

All modules are fully mounted and wired to junction boxes. Combined with a controller from the Congrav® line or the Brabender SCC Field Bus System they form a high-tech feed system for highest feeding accuracy. The different screw profiles are of a

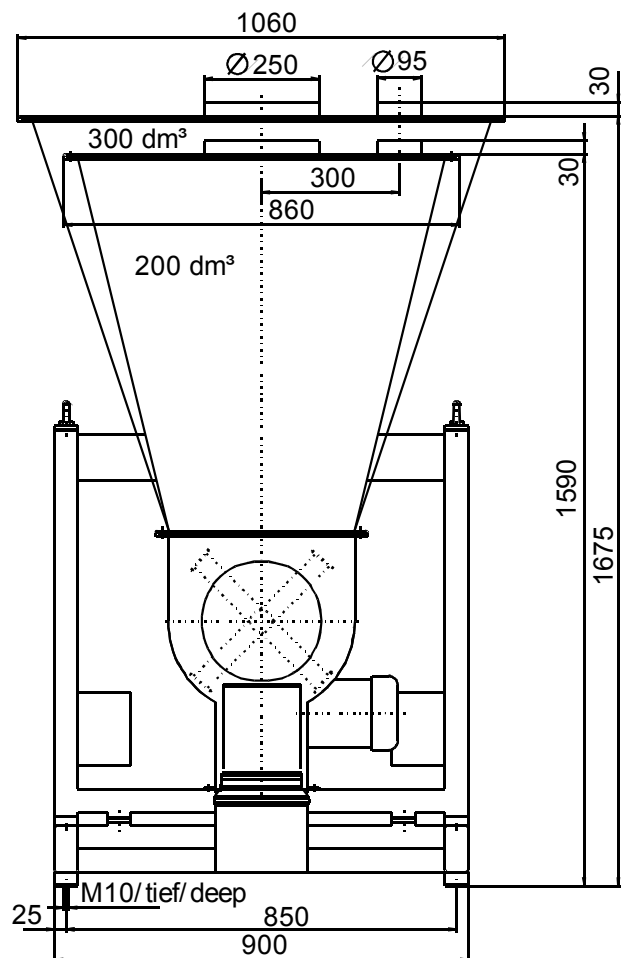
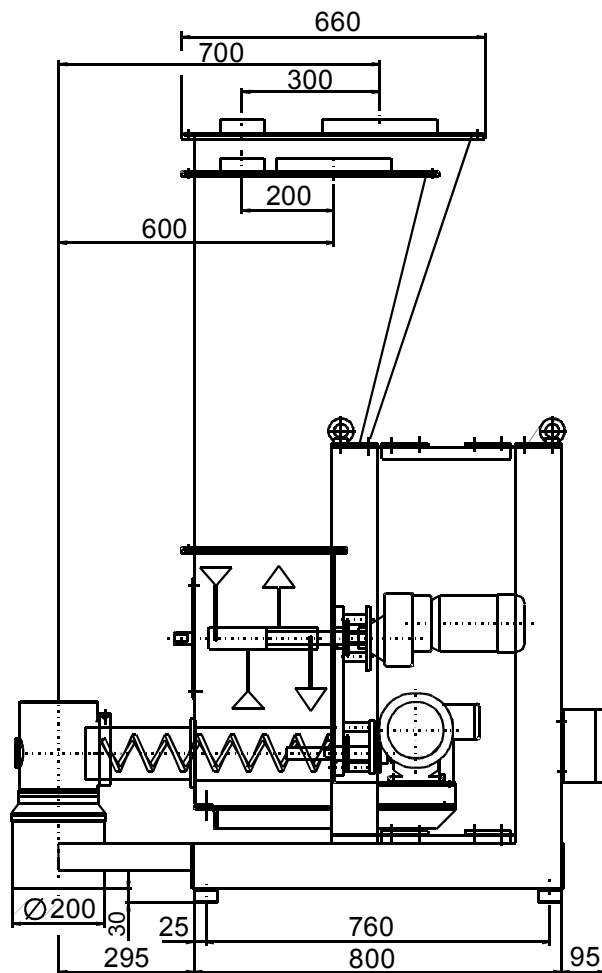
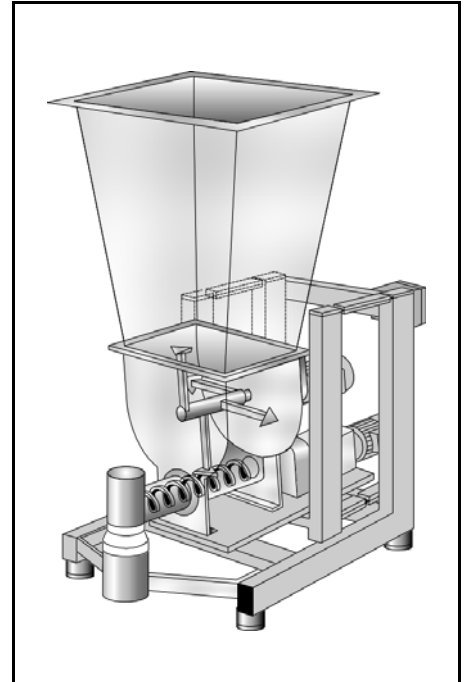
universal design and interchangeable. Depending on the kind of bulk ingredient fed, spiral screws, blade screws or special granule screws are used.

The hopper agitator homogenizes the ingredient and ensures reliable ingredient supply to the screw and a constant screw filling level. For granule feeding a special agitator with shorter blades is available.

All parts in touch with the ingredient are made of stainless steel.

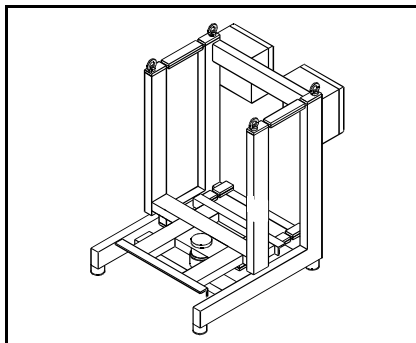
Mild steel parts are painted light grey as per RAL 7035 (textured coating).

The unit conforms to CE directives.



Weight with 200 dm<sup>3</sup> extension hopper approx. 220 kg, with 300 dm<sup>3</sup> extension hopper approx. 230 kg

## Technical Data\*



Scale / Mounting Base

DDW-H33:

- Free-standing mounting base with vibration isolation pads
- Discharge connection pipe for downstream equipment
- Integrated scale with weighing module (intelligent digital load cell IDL)
- Junction boxes

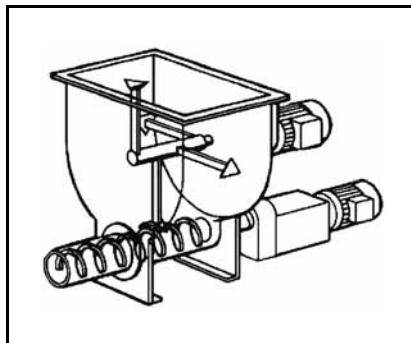
Weighing ranges:

- 440 kg net  
with 200 dm<sup>3</sup> extension hopper
  - 430 kg net  
with 300 dm<sup>3</sup> extension hopper
- Option:
- 140 kg with 200 dm<sup>3</sup> ext. hopper
  - 130 kg with 300 dm<sup>3</sup> ext. hopper

Further information: Product Info  
"Intelligent Digital Load Cell IDL-F"

Accessories / Options

- Flexible connection sleeves
- Dust filter bags for vent pipe
- Exchange screws and screw tubes
- Screw extension
- Laid-on cover with handle
- Safety grid, SS 1.4301 (≈ AISI 304)
- Special agitator for granules



Feed Module

Brabender Screw Feeder DSR 103:

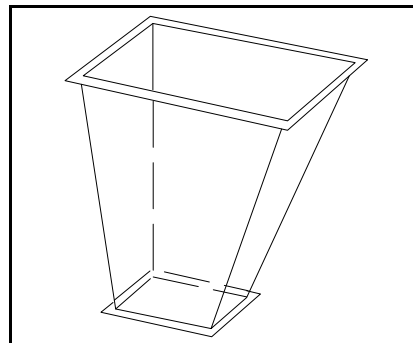
- Screw hopper
- Hopper agitator with 3-phase motor
- Exchangeable screw profile
- 3-phase current screw drive motor
- Parts in contact with ingredient  
SS 1.4301 ≈ AISI 304 (part of blade screws made of polyurethane)

Max. theor. feed rate (assuming  
100% screw filling; depending on  
ingredient flowability the actual rate  
may decrease down to 50%):  
Powders: 6980 dm<sup>3</sup>/h  
Granules: 4520 dm<sup>3</sup>/h

Further information: Works Standard  
"Brabender Screw Feeder DSR 103"

Special Designs

- Pressure-tight design
- Pressure-compensated inlet
- Pressure-compensated outlet
- Quick-closing valve for screw tube
- Explosion-proof designs
- Special extension hopper, round  
with discharge agitator, 180 dm<sup>3</sup>,  
SS 1.4301 (≈ AISI 304)
- Design for SCC Field Bus System



Extension hoppers

- Conical hopper modules
- Cover modules with inlet pipe  
and vent pipe for automatic  
refilling
- All modules made of stainless  
steel SS 1.4301 (≈ AISI 304)

Hopper volumes:

- 200 dm<sup>3</sup>
  - 300 dm<sup>3</sup>
- (suited to the feed rate range)

Further information: Works Standard  
"Brabender Screw Feeder DSR 103"

Control Modules

Congrav<sup>®</sup> controller and frequency  
converter FC-V2.1 for control cab-  
inet mounting or Congrav<sup>®</sup> opera-  
ting unit and feeder-mounted con-  
trol and regulation modules "ISC"  
for Brabender SCC (= Single Cable  
Connection) Field Bus System (see  
the according Works Standards)

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## TECHNOLOGIE

An ISO 9001/EN 29001 Certified Company

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