

Pellet mill

Type PM30



The unique PM30 pellet mill is a fully proven, robust, and easy-to-maintain biomass pellet mill designed for high performance and low operating costs.

The PM30 pellet mill is equipped with a highly energy-efficient, double-reduction gearbox, allowing optimum die speeds to be achieved at high working loads. The pressurized oil lubrication system with air

cooling for the gearbox is standard. The high-speed belt drive transmission between main motor and gearbox provides vibration-free transmission of power to the gearbox. The pellet chamber door is a heavy-duty unit mounted on a motorized frame for easy access to the pellet chamber. The inner side of the pellet chamber door is provided with replaceable stainless

steel protection plates. The product is distributed to the press rolls by separate inlet screws – one for each press roll – mounted on the pellet chamber.

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Taper fit die

The pellet mill has an operator-friendly, conical, bolt-suspended die of high-quality steel. The auto-piloting effect makes die change smooth and easy. The die is symmetrical and turnable.

Replaceable wear rings

The die main shaft and the reinforcement ring are supplied with replaceable wear rings.

Press roll design

Wide rolls with turned edges and a narrow track width are supplied with sturdy spherical roller bearings to withstand heavy loads. The roller shaft, supported at both ends, is supplied with symmetrically placed water cooling channels and thermo-sensor for temperature monitoring of roller bearings. Roll adjustment is checked through inspection hatches.

Safety stop

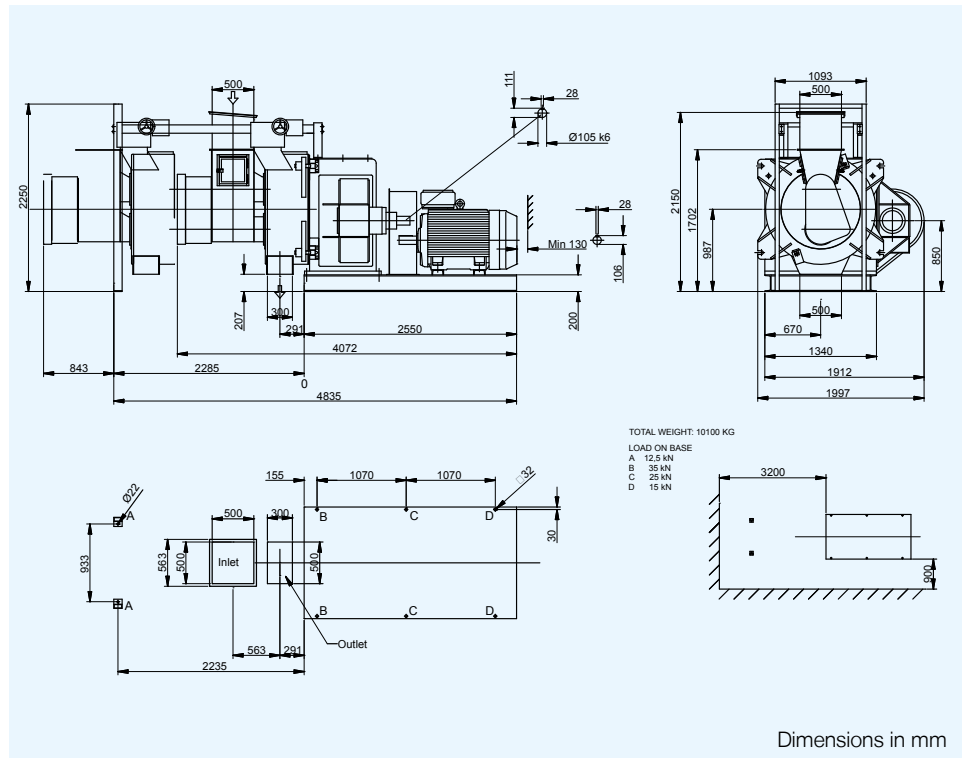
The shear pin system integrated into the roll adjustment spindle protects the shaft against damage.

Built-in hoist

The built-in chain hoist with lifting tools facilitates die and roll changing.

Optional accessories

- Automatic grease lubrication for roll bearings and main shaft roller bearing
- Water cooling of roller shaft
- Conditioner with steam addition provides optimum retention time for specific capacity requirements
- Computerized control system for process optimization



Technical data

Main motor		Up to 355 kW/480 HP	50 Hz/60 Hz 1,480/1,780 rpm
Inlet screw	Stainless steel	2.2 kW	3 HP 750 rpm
Oil pump		1.5 kW	2 HP
Oil cooler		0.25 kW	0.35 HP
Die	Dimension	Inner diameter	Ø 850 mm
		Effective press width	134 mm
		Effective press area	0.36 m ²
		Die velocity	from 3.5 m/sec.
Press rolls	Water cooling	Numbers	2
		Roll diameter	400 mm
Total weight		Incl. main motor	10,200 kg
		Incl. main motor and conditioner	11,800 kg

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