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FEED AND BIOFUEL PELLET MILL TYPE PALADIN 800

The authentic and sturdy Paladin design is constructed with a balanced twin drive system, where the transmission consists of a combination of V-belts and a toothed belt. The design of the main shaft and rotor allows maximum torque to be applied in the pelleting section. These features make the Paladin

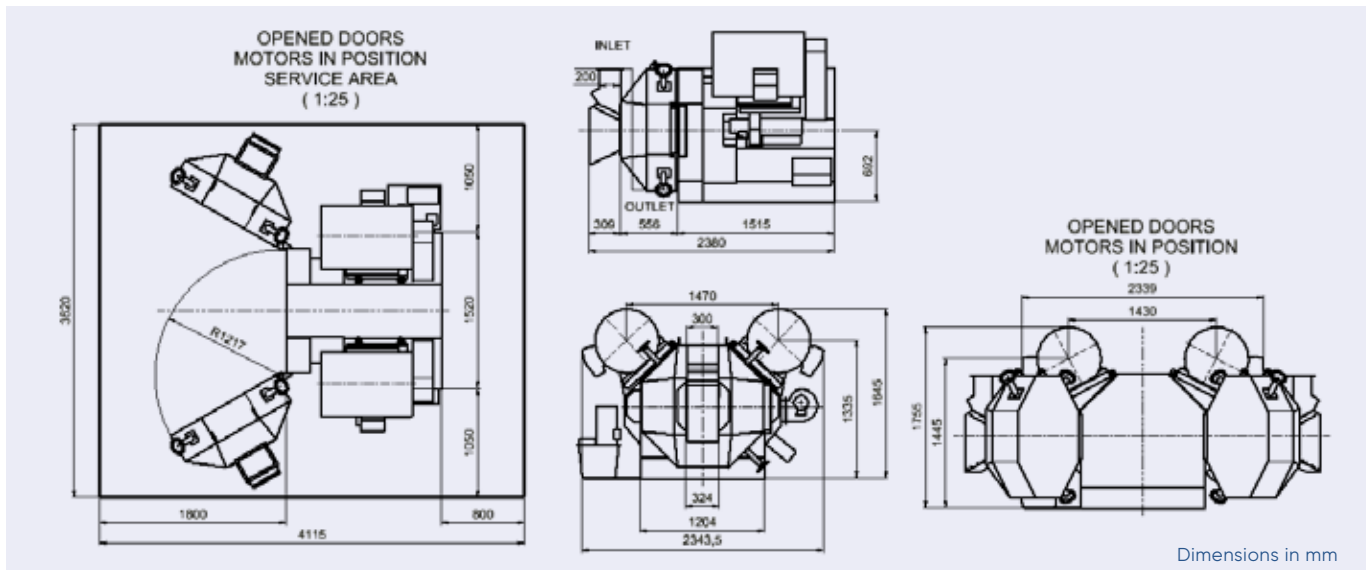
pellet mill range universally adaptable machines, ensuring that maximum reliability is provided under all working conditions.

The twin drive ensures smooth operation with low levels of vibrations. Furthermore, the twin drive provides a symmetrical load on the main

shaft. The symmetrical load is provided by two intermediate shafts driving the main toothed belt pulley and ensures a long life time for the main shaft. The die speed is chosen based on the application. If the die speed needs to be adjusted, the easily accessible V-belt pulleys can be changed.

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ENGINEERED SUCCESS



TECHNICAL DATA

Paladin 800

Die inside diameter	Ø650 mm
Effective die width	110/141/175 mm
Effective press area	0.23/0.29/0.36 m ²
Roller diameter	Ø298 mm
Maximum motor	2x90kW
Total weight (Incl. 2x90 kW motor)	~4200/~4500 kg

Basic machine includes	<ul style="list-style-type: none"> • CE - approval • Dual stage belt transmission • Pellet chamber with bolt on universal hinge and universal door lock assembly • Prepared for automatic lubrication • 2 cutting knives • Mechanical belt tensioning & overload protection
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Gearing

Freq	RPM	Die speed
50 Hz	~1490 o/min	5.4* - 6.05 m/s
60 Hz	~1785 o/min	6.52* - 7.25 m/s

*Some of the low die speeds are not available for high output motors

Features

Rollers	3 roller manual adjustment
Feeding system	Pneumatic dump chute bypass with magnet
Die crane	Manually operated
Tool kit	Maintenance tool kit containing torque wrench, hand tools, lifting tools etc.
Control voltage	24VDC
Ventilation	Fan mounted on the side
Belt tensioning	Hydraulic belt tensioning with overload protection

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