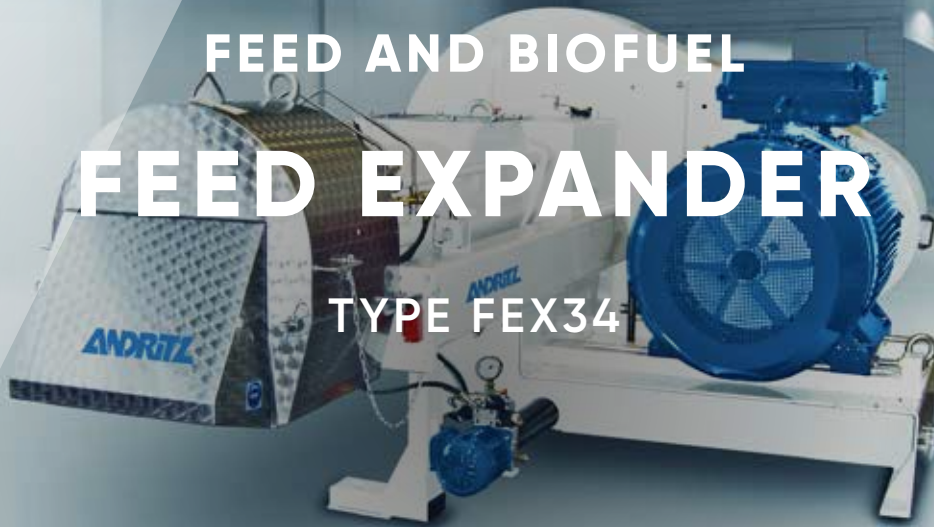




FEED AND BIOFUEL FEED EXPANDER TYPE FEX34



The feed expander is used to compress and heat the meal material prior to its compaction in a pellet mill. The expander consists of a barrel with a screw that kneads and conveys the material to the expander outlet. The expander outlet is provided with a cone, so that the material can be pushed through a gap.

By means of a hydraulic control, the gap width can be adjusted by moving the cone into or away from the barrel. The gap width is measured with an analogue sensor (the sensor outlet is proportional to the gap width).

Meal materials that may contain hard foreign objects, such as stones, bolts,

nuts, etc. should not be added. Therefore, such foreign matters have to be separated, before the meal material reaches the feed expander, e.g. by means of magnets and stone traps.

The feed expander may not be used for other purposes than the expansion of meal materials.

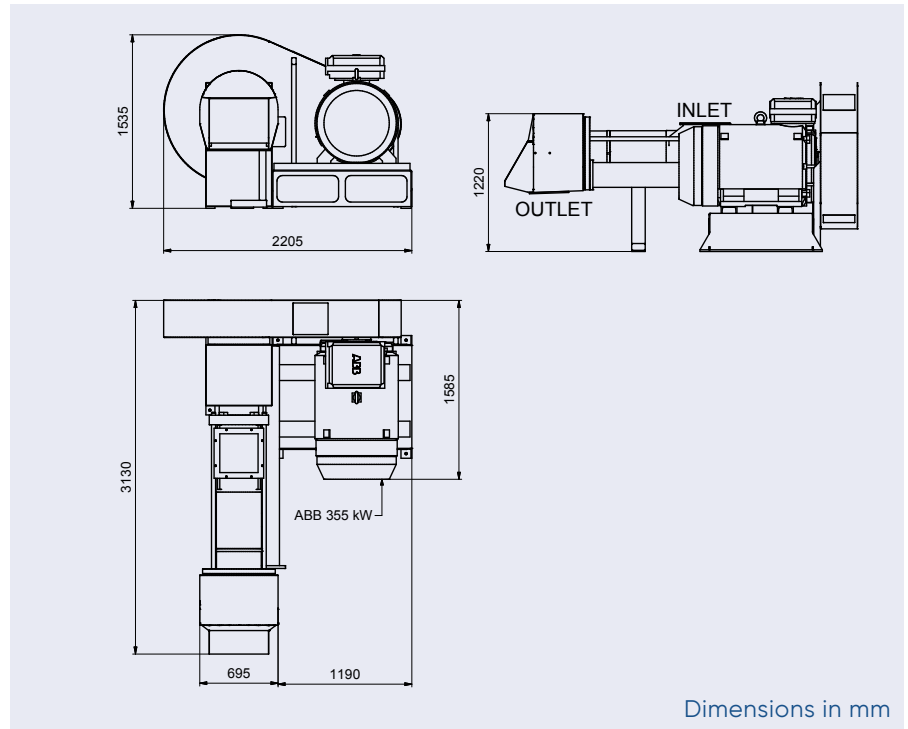
ANDRITZ

ENGINEERED SUCCESS

The ANDRITZ feed expander is primarily used for mechanical/thermal superconditioning, and stabilization of the feed mixture before pelletizing, but it can also stand alone in connection with thermal treatment and crumbling of feed mixtures as well as individual raw materials

The feed expander consists of a high-capacity extruder screw with a variable outlet nozzle. The heating of the material in the feed expander screw is obtained by friction (electrical energy)

Normally, the material arrives from a cascade mixer to the feed expander, which is thus an intermediate link in comparison to a traditional feed milling plant.



Dimensions in mm

TECHNICAL DATA

Type FEX34

Main motor	Depending on capacity required	250-355 kW	50/60 Hz
		(340-500 HP)	(1500/1800 r.p.m)
Hydraulic pump	Nozzle opening adjustment	0.55 kW (0.75 HP)	750/3000 r.p.m. 50 Hz
			900/3600 r.p.m. 60 Hz
Feed expander	Barrel length		1550 mm
Screw	Diameter		340 mm
Total weight	Excl. main motor		2700 kgs
	Incl. main motor 355 kW		4500 kgs approx
Capacity	Depending on main motor and required temperature		10-40 tph
Process temperature	Range		90-150°C
Process pressure	Range		0-80 bar
Process time			1-4 sec.
Drive	V-belt transmission, standard left or right mounted.		

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