

LAIMET chipper

HP-21HS and HP-25HS (HighSpeed)

Electrically driven
chippers specially for
sawn surfaces and
wood industry waste
and trimming chipping.



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HP-21 HS and HP-25 HS (HighSpeed)

Productive industrial chipper for saw mills and the wood industry: sawn surfaces over 100% into pulp chips, waste and trimming chips for heating

The heart of the chipper is the conical screw blade.

The LAIMET HP-21 HS and LAIMET HP-25 HS chippers function like the other LAIMET HP chippers using a conical screw blade, which efficiently produces splinter free even quality chips.

These LAIMET chippers are electrically driven (1500 rpm, 400 V) and of remarkably simple construction. They have few parts that wear. They are specially designed for saw mills and the wood industry, for chipping large sawn surfaces and boards. Rotation speed may be chosen by the customer from 600 - 1000 rpm. Motor power is defined according to rotation speed and the wood to be chipped from 45 kW to 75 kW. They are reliable in operation and need little maintenance. The screw blade draws the wood into the chipper. The heavy fly-wheel evens out the load on the motor.

Changeable blades for different size chips

The LAIMET HP-21 HS and LAIMET HP-25 HS can produce five different sizes of chips; from 15 - 25 mm up to 60 - 100 mm. The rate of production is about 120 m³/h, depending on the blade used, wood to be used, the type and size of wood. Best quality chips are obtained at a rotation speed of 750 rpm with a blade that produces 20 - 30 mm chips.

Chips from wide sawn surfaces - up to 400 mm

The LAIMET HP-21 HS and LAIMET HP-25 HS chippers can chip sawn surfaces with a width of up to 400 mm (HP-21 HS 300 mm). HS chippers can also chip round surfaces. The wood can be coniferous or deciduous, and also



frozen. The wood is generally fed in using the chipper feed belt. The chipper wings blow the chips into the chip silo or on to a platform - up to 10 m away. If the chippers are placed inside as part of a production line they need separate noise insulation.

Maintenance of the chipper

Sharpening of the screw blade may be done without removing the blade using a separate sharpener unit, which is standard equipment. Basic reconditioning of the blade is done by rewelding the hard facing and then grinding it to the correct angle. Removal of the blade is done using a crane. Welding and grinding may be done by a skilled metal worker using the manufacturer's instructions. The blade may also be sent to the manufacturer for reconditioning from whom ready to use exchange blades are also available.

Make waste wood into money and protect nature

The LAIMET HP-21 HS and the LAIMET HP-25 HS are sensible choices when pulp chips are to be made from debarked timber. The even quality chips are also suitable for heating, and compost chips. The low service costs of the LAIMET HP-21 HS and HP-25 HS chippers give real savings.

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◀ The LAIMET HP-21 or HP-25 HS Slope chippers are particularly intended for wood industry smoothing and trimming and the chipping of waste wood into fuel chips. The chipper feed horn is installed at an angle of 35° to ensure the correct feeding of the wood.

TECHNICAL DETAILS

Type	LAIMET HP-21 HS
Total weight	1600...1700 kg
Rotating mass	360 kg
Chip production	20...40 m ³ /h
Power requirement	45...75 kW
Feed opening	210 mm x 315 mm
Feed rate	0,5...1,3 m/s
Rate of rotation	600...1000 rpm

Type	LAIMET HP-25 HS
Total weight	2350...2500 kg
Rotating mass	800 kg
Chip production	40...120 m ³ /timme
Power requirement	45...90 kW
Feed opening	250 mm x 430 mm
Feed rate	0,5...1,3 m/s
Rate of rotation	600...1000 v/min

Blade	Length of piece (mm)
3/104	15...25
2/80	20...30
3/160	20...30
2/104	20...30
1/80	30...50
2/160	30...50
1/104	40...70
1/160	60...100



NUMBER ONE FOR EFFICIENCY AND QUALITY

Representative: