



HRL Drum Chipper

Application

- Panel board industry (PB, MDF, OSB)
- Biomass and renewable fuels
- WPC/WFC industry
- Pulp and paper industry

Description

The HRL Drum Chipper is a tried-and-trusted solution for the production of high-quality chips from different wood assortments. The material is gripped horizontally by specially toothed infeed rollers and continuously fed to the chipping rotor. The knives of the rotor cut the material to the required chip length. The chipped material passes an individually adapted refracting grid.

Customer benefits

- Free choice of wood assortment: round wood, log ends, slabs and offcuts, veneer residues or waste wood
- Constant high chip quality; chip length of 4 – 180 mm possible
- Special machine solutions for production of maxi-chips, micro-chips and biomass such as HRL-OSB (see page 32), HRL-M, HRL-B
- Robust, long-term reliable, low operating costs due to simplified maintenance
- Energy-efficient size reduction
- Essential parts of the machine wear-protected and exchangeable

Technical features

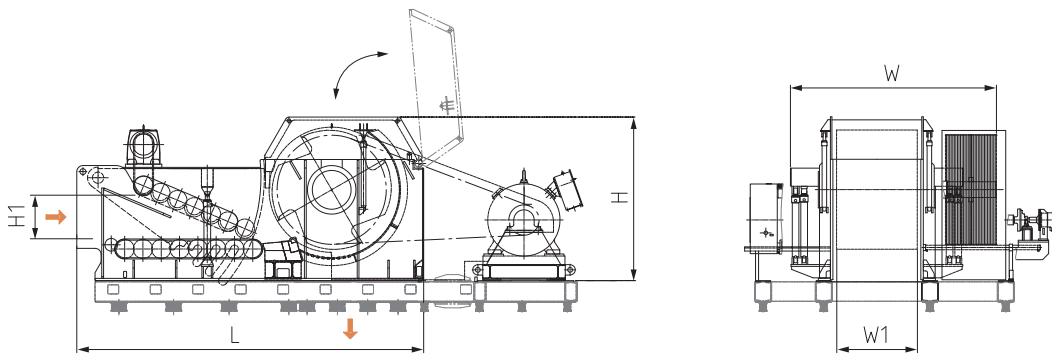
- Aggressively shaped infeed rollers with narrow running gaps
- Chipping rotor with slewable knife clamping plates for quick and easy knife exchange
- Regrindable wear plates under the chipping knives
- Counter knife screw-fastened, regrindable, once turnable
- Wear-resistant refracting grid individually perforated



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Type ¹ Rotor/Infeed opening mm Ø / H1 x W1	Main drive kW	Infeed roller drive (upper/lower) kW	Capacity ²⁾ rm/h	Capacity ²⁾ t/h b.d.	Chip Vol. ³⁾ m ³ /h	Dimensions ⁴⁾ m (L x W x H)	Weight ⁴⁾ approx. t
HRL 450 / 150 x 500	30 – 45	2.2 / 2.2	20 – 24	6 – 7	40 – 47	1.6 x 2.2 x 1.2	1.9
HRL 600 / 200 x 650	55 – 75	3 / 3	34 – 40	10 – 12	67 – 80	1.6 x 2.4 x 1.3	5.5
HRL 800 / 250 x 650	75 – 110	5.5 / 5.5	44 – 50	13 – 15	87 – 100	2.4 x 1.7 x 1.4	7.5
x 800	90 – 132	5.5 / 5.5	54 – 64	16 – 19	107 – 127	2.4 x 1.8 x 1.4	8.3
HRL 1000 / 350 x 800	110 – 160	7.5 / 7.5	74 – 87	22 – 26	147 – 173	2.8 x 2.1 x 1.7	11
x 1000	132 – 200	7.5 / 7.5	94 – 110	28 – 33	187 – 220	2.8 x 2.3 x 1.7	13
HRL 1200 / 450 x 800	200 – 315	11 / 11	97 – 114	29 – 34	193 – 227	3.5 x 2.5 x 1.9	14
x 1000	250 – 355	11 / 11	117 – 140	35 – 42	233 – 280	3.5 x 2.7 x 1.9	15.5
x 1200	250 – 355	11 / 11	144 – 170	43 – 51	287 – 340	3.5 x 2.9 x 1.9	17
HRL 1400 / 550 x 1000	315 – 500	15 / 15	144 – 170	43 – 51	287 – 340	4.2 x 2.6 x 2.1	22
x 1200	355 – 500	15 / 15	177 – 210	53 – 63	354 – 420	4.2 x 2.8 x 2.1	24
x 1500	400 – 630	15 / 15	220 – 260	66 – 78	440 – 520	4.2 x 3.1 x 2.1	26
HRL 1600 / 600 x 1000	400 – 500	18.5 / 18.5	157 – 187	47 – 56	313 – 373	4.4 x 2.7 x 2.1	30
x 1200	500 – 630	18.5 / 18.5	193 – 227	58 – 68	386 – 453	4.4 x 2.9 x 2.4	33
x 1500	500 – 800	18.5 / 18.5	240 – 284	72 – 85	480 – 567	4.4 x 3.2 x 2.4	37
HRL 1800 / 750 x 1000	630 – 800	18.5 / 18.5	200 – 234	60 – 70	400 – 467	5.1 x 2.9 x 2.5	34
x 1200	630 – 800	18.5 / 18.5	240 – 287	72 – 86	480 – 573	5.1 x 3.0 x 2.5	37
x 1500	630 – 1,000	18.5 / 18.5	300 – 354	90 – 106	600 – 707	5.1 x 3.3 x 2.5	40
HRL 2000 / 850 x 1200	800 – 1,250	22 / 22	274 – 324	82 – 97	547 – 647	5.7 x 3.4 x 2.7	60
x 1500	800 – 1,400	22 / 22	340 – 400	102 – 120	680 – 800	5.7 x 3.7 x 2.7	66
x 1700	800 – 1,400	22 / 22	384 – 454	115 – 136	767 – 907	5.7 x 3.9 x 2.7	72
HRL 2400 / 1000 x 1500	1,000 – 1,600	22 / 22	400 – 474	120 – 142	800 – 947	6.8 x 3.9 x 3.0	83
x 1700	1,000 – 1,600	22 / 22	450 – 534	135 – 160	900 – 1,067	6.8 x 4.0 x 3.0	91

1) Individual machine sizes and motor power upon request 2) Referring to round wood with a density of 450 kg/m³ b.d., a 11–13% filling ratio of the infeed, and a chip length of 40 mm 3) Chip volume flow based on a bulk weight of 150 kg/m³ 4) Dimensions and weight of basic machine without main motor



DIEFFENBACHER

MAIER