

NICHOLSON

WASTEWOOD DISC CHIPPER

THE HIGH CAPACITY, SELF-FEEDING DISC CHIPPER THAT PROCESSES ALL TYPES OF SAWMILL RESIDUALS WITHOUT JAMMING.

The NICHOLSON WASTEWOOD CHIPPER produces high volumes of excellent pulp chips from varied furnish such as slabs, edgings and lumber trims.

The chipper is designed to be fed by a vibrating conveyor. A large, carefully designed infeed spout with non-jamming side wall geometry keeps all forms of material feeding.

This is a true self-feeding chipper and an operator is not required for most applications. Large input surges of wastewood pass through the spout without jamming because the powerful self-feeding action of the knives *pulls* individual pieces of furnish out of the surge much faster than the vibrating conveyor feeds material. This pulling or stripping of individual pieces of material from the surge reduces the surge *before* it reaches the chipper spout.

The bottom anvil area of the infeed spout narrows to correctly orient even small pieces of material. This produces a better fiber orientation that reduces overs and slivers. A very short spout area keeps material of all sizes moving right up to the knives.

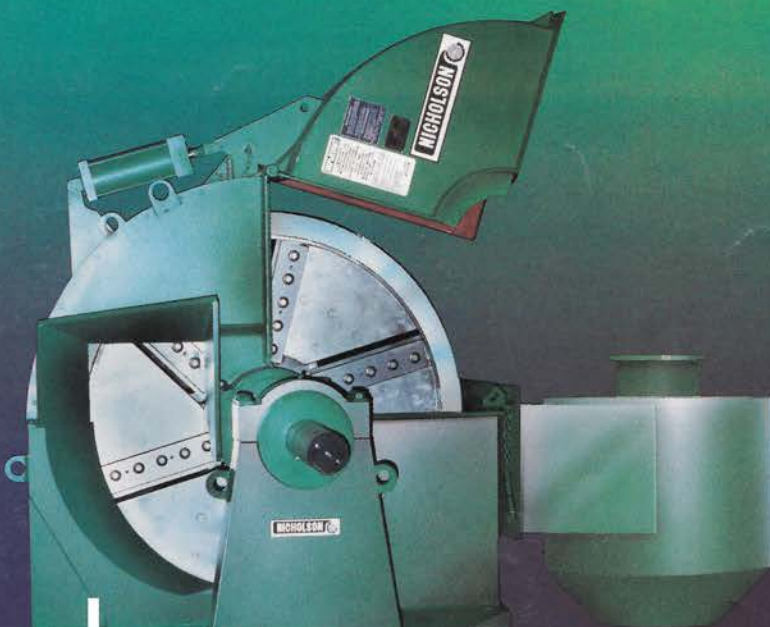
The anvil and bed knife are located in precision machined pockets and require no shimming or

adjustment when replaced. The knife to anvil clearance need only be adjusted when changing chip length. Replaceable wear plates on the disc face are simple and economical.

The knife and holder system is designed for easy service and all components can be replaced without adjustment. Knives are babbitted to a single fixed length after resharpener. Chip length is controlled by simply adding or removing knife holder shims.

NICHOLSON chippers are designed for decades of reliable multishift productivity and provide a wide range of important service and maintenance features:

- FRONTFACE / ONE-MAN KNIFE CHANGE
- FIXED SIDE ANVIL WITH TWO CARBIDE EDGES
- FIXED BOTTOM ANVIL WITH TWO CARBIDE EDGES
- EASY CHANGE BETWEEN KNIFE TYPES
- ALL WEAR SURFACES ARE REPLACEABLE
- SIMPLE SHIMMING TO CHANGE CHIP LENGTH
- OPTIONAL DISCHARGE CONFIGURATIONS
- OPTIONAL KNIFE BABBITTING FIXTURE
- OPTIONAL AIR OPERATED CASING OPENER
- OPTIONAL DISC BRAKE



43,53,64,75,85, INCH CANTILEVER BEARING CONFIGURATION, CASING SHOWN OPEN, OPTIONAL ENERGY DISSIPATER SHOWN.



SPECIAL INFEEED SPOUT GEOMETRY PROPERLY ORIENTS FURNISH AND ELIMINATES JAMMING

INFEED CONFIGURATIONS:

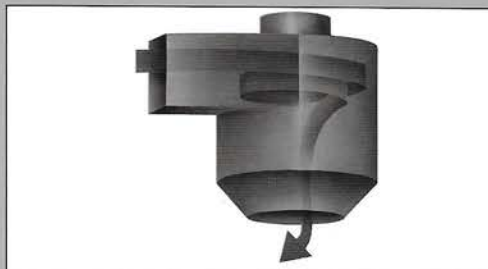


VIBRATING CONVEYOR

OUTFEED CONFIGURATIONS:

ENERGY DISSIPATER

This option is the preferred method of discharging chips. The chips leaving the chipper are gently decelerated on the smooth walls of the energy dissipater. Up to 3% more acceptable chips have been recovered using the energy dissipater.



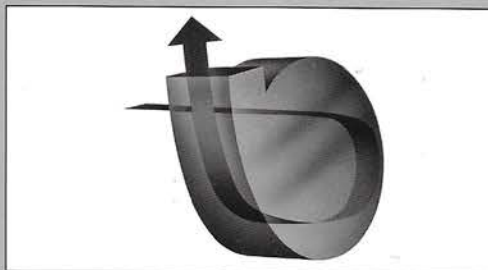
BOTTOM DISCHARGE

Bottom discharge is standard. Chips are directed onto the rear surfaces of the casing where they are deflected downward and drop onto the chip conveyor. This is a very simple installation and is suggested when energy dissipater discharge is not possible.



TOP DISCHARGE

Fan blades attached to the back rim of the chipper disc are used to accelerate the chips inside the casing. Chips are then blown out the top discharge duct and can be directed where needed.



SPECIFICATIONS: WASTEWOOD DISC CHIPPER

CHIPPER SIZE	DISC DIAMETER IN. (MM)	DISC THICKNESS IN. (MM)	MAX. ROUND IN SPOUT IN. (MM)	MAX. SLAB DIAG. IN SPOUT IN. (MM)	NUMBER OF KNIVES	MAX. R.P.M.	MOTOR HP (KW) @ 250% PULLOUT TORQUE MIN.		WEIGHT LB (KG) CHIPPER W/ BOT. DISCH.	WK ² IN LB-FT ² T=TOP DISCH.
							BELT DRIVE	DIRECT DRIVE		
43	42.7 (1084)	4.75 (121)	7.00 (177)	3.5 x 27.0 (89 x 686)	3,4,6	900	150	250	5290 (2400)	3300 4000T
53	53.0 (1346)	4.75 (121)	8.75 (222)	4.7 x 35.5 (119 x 902)	3,4,6,8	750	300	400	8940 (4100)	7800 9400T
64	64.0 (1636)	4.75 (121)	11.00 (279)	5.5 x 42.8 (140 x 1086)	3,4,6,8	600	400	600	14300 (6500)	16600 19900T
75	74.7 (1897)	4.75 (121)	13.00 (330)	6.0 x 49.8 (152 x 1264)	4,6,8,10	514	650	850	21300 (9700)	30800 37000T
85	85.3 (2167)	5.63 (143)	14.50 (368)	7.0 x 56.5 (179 x 1435)	4,6,8,10,12	450	1000	1400	29000 (13200)	62000 74400T



CANTILEVER BEARING CONFIGURATION

The manufacturer reserves the right to make changes or add improvements at any time without incurring any obligations to make changes on machines manufactured previously. Actual product may vary from photographs or illustrations and description.

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DEBARKERS CHIPPERS LOG LOADERS SCREENS SAWFRAMES PORTABLE EQUIPMENT LOG FEEDERS CUSTOM ENGINEER-

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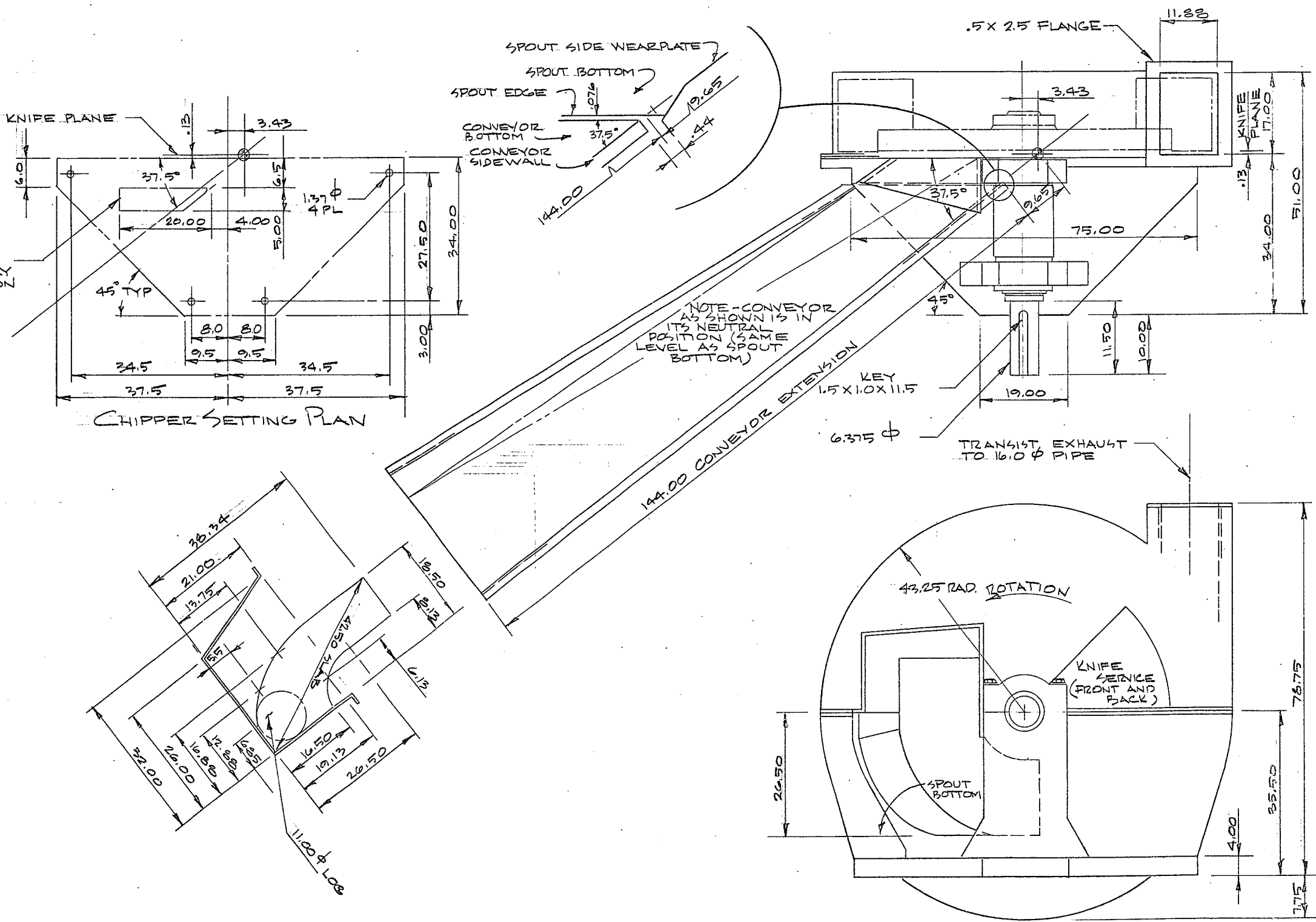
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CHIPPER WEIGHT 13,081 LBS
 MAX RPM 600
 DRAWN AS LEFT HAND TOP DISCHARGE

NICHOLSON		MFG. TOL. EXCEPT AS NOTED: .x = .1 .xx = .06 .xxx = .010 FAB. & ROUGH CSTGS UNDER 40 = .06 OVER 40 = .1 ANGLES = 1° DIM. IN INCHES		ECN NO. REV BY DATE		DESCRIPTION		CHK	APP	DISTR
NICHOLSON MANUFACTURING COMPANY 3870 EAST MARGINAL WAY S. SEATTLE WA 98134 PHONE 1-206-882-2752 TELEX 32-0004 CANADIAN AFFILIATE: NICHOLSON MILLING MACHINES LTD VICTORIA BC		NOTE: THIS DRAWING CONTAINS INFORMATION PROPRIETARY TO NICHOLSON MANUFACTURING CO. REPRODUCTION AND DISCLOSURE BY WRITTEN PERMISSION ONLY.		BY	CHK	CHK	APP	SCALE	REV	
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