



CARMANAH

Design and Manufacturing Inc.



Close Up View of Disc

55", 65" & 75" Advantage Chipper

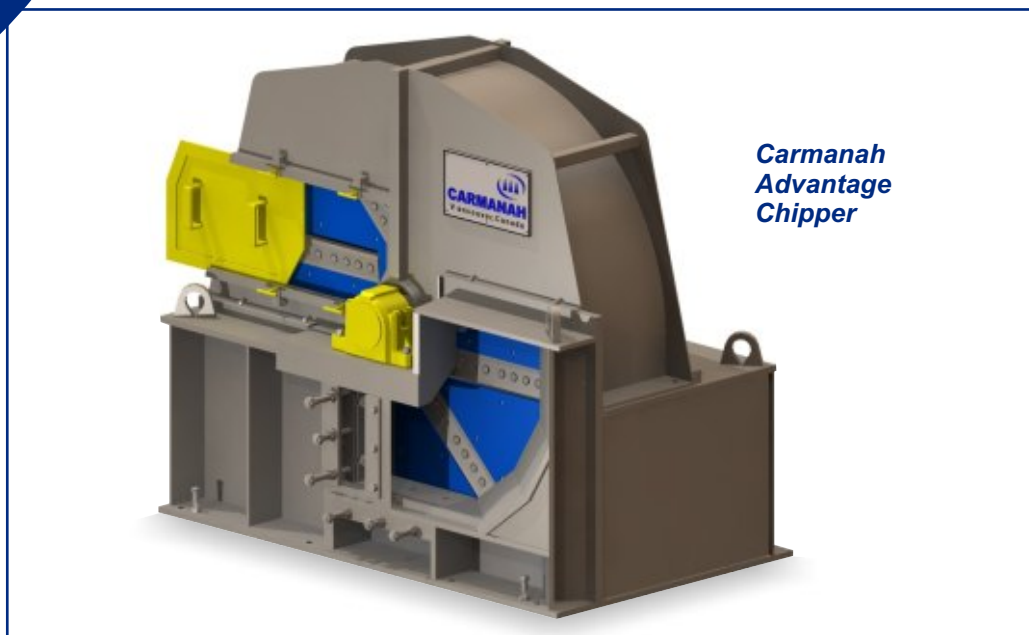
INNOVATION

For close to 90 years, Carmanah has been a leader in chipper design. The Carmanah chipper maximizes chip quality, provides high production volumes and is designed for long and trouble-free operational life. A few examples of features that set the Carmanah chipper apart include:

Straddle Bearing – provides maximum stability through the cut, and allows for the tightest tolerances to produce quality chips.

Double-Edged Carbide Anvil Inserts – with reversible sharp shear edges that maintain their shape with the most abrasive furnish, you get extended operational life while producing a high quality chip with less maintenance.

"J" Spout Infeed Design – with a large open area to allow the maximum piece sizes and highest possible capacity for every model chipper.



Carmanah Advantage Chipper

Reliability by Simple and Robust Design

The "Advantage" series Chippers are no-frills, heavyweight contenders for many wood chipping applications.

"ADVANTAGE" Chippers offer benefits from our "SUPER" Chippers but with **Reduced Cost** using a **Simpler Design**, while maintaining the excellent quality and operational life customers expect from Carmanah.

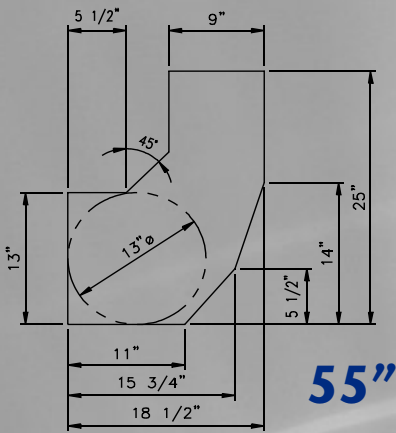
Carmanah's solution? Use a thick machined plate disc, offer the unitized drive base and transition spouts as options, and provide a sliding knife access door to replace costly hydraulics.

The result? The "ADVANTAGE" Chipper, providing high performance at reduced cost.

Accept No Compromises — Call Carmanah to get the "ADVANTAGE"!

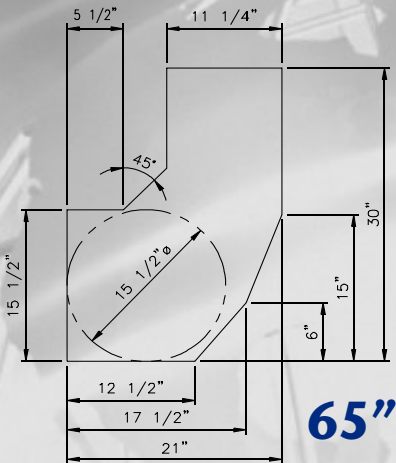
CHIP PROCESSING PULPMILL SERVICES ENGINEERED WOOD CHIP PROCESSING PULPMILL SERVICES
PULPMILL SERVICES ENGINEERED WOOD CHIP PROCESSING PULPMILL SERVICES ENGINEERED WOOD
ENGINEERED WOOD CHIP PROCESSING PULPMILL SERVICES ENGINEERED WOOD CHIP PROCESSING

55", 65" & 75" Advantage Chippers



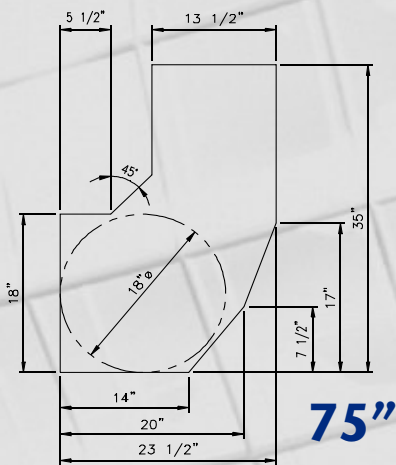
55"

TRUE VIEW ON INFEED SPOUT



65"

TRUE VIEW ON INFEED SPOUT

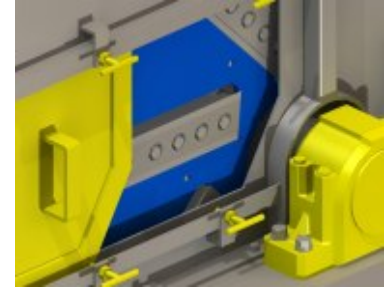


75"

TRUE VIEW ON INFEED SPOUT

FEATURES

- One man front face knife change using heavy duty Carmanah face gear with Key-Knife® replaceable knife inserts.
- Adjustable anvil with dual edge carbide inserts provide the longest wear life while maintaining the tightest possible clearances.
- J- Spout infeed design for maximum piece size and highest possible surge capacity.
- Optimized disc RPM – Carmanah recommends knife tip velocities that minimize pins and fines generated.
- Straddle bearing design allows us to specify the tightest tolerances for maximum chip quality.
- Can be used with belt, vibrating, or chain in-feed for use in many different applications.
- Can be optimized for biomass, pellet, or other wood-waste products for greater process flexibility.



CONFIGURATION OPTIONS

- Available in Top, Bottom, and Back Discharge arrangements.
- Integrated steel elevated side motor mount.
- Air operated disc brake.
- WCB recommended Zero-Speed indicator.
- Rear duct for back discharge.
- Back discharge energy dissipater
- Top discharge cyclone.
- Hydraulic access quadrant.



TYPICAL RATES AND DATA

Based on mill waste-wood: check with Carmanah for each application.

Size of Disc	Avg. Chip Vol. (UPH) *	No. of Knives	Avg. HP Rqmt. Bottom, Back (Top)	Max. Spout Diam.	Max. Diag. Width	Disc RPM Bottom, Back (Top)	Disc Inertia lbs-ft ² Bottom, Back (Top)
55"	27	3,6	150(200)	13"	30"	577(614)	10,000 (11,300)
65"	42	4,8	250(300)	15 1/2"	40"	440(518)	17,500 (19,500)
75"	60	4,6,8,10	300(350)	18"	45"	391(440)	29,000 (33,500)

* 1 Unit = 200 ft³ Chips



Unit #8 - 15050 54A Avenue
Surrey, BC Canada V3S 5X7
604-299-3431 Fax: 604-299-1310

info@carmanahdesign.com

www.carmanahdesign.com