LMHD 3036

Capacity:	Up to 1100 Tons Per Hour
Casting Distance:	100 feet
Mounting:	Self Contained front of Loader
Loader:	minimum 1.5 yds
Width:	108” or 120”
Weight:	4500 lbs.
Cutting Height:	46”
Elevation:	Up to 12,000 feet
Weight of Snow:	Approximately 25 lbs. per cubic foot.

General Design

Two Stage Assembly

First Stage:	Helical Ribbons
Size:	30” diameter
Width:	4.75”
Thickness:	1/4”
Steel Type:	AR450 or T1
Ice Cutters:	Serrated Ribbons for ice cutting
Qty:	One (1) right / left hand ribbon assembly
Wiper Rings:	2 wiper rings of same material as ribbons
Second Stage:	Impeller Volute
Size:	36” diameter; 12” deep minimum fan
Steel Type:	Hardox 450 or equal
Fan blades:	4 minimum. ¼” Hardox® 450
Flat cast:	Right
Volute:	Rotate right and left 150 degrees
Housing:	3/16 or 1/4

Blower Head Design:

Steel type:	Hardox® 450 or equal on all steel plate Parts for wear resistance as well as increased strength. No mild steel
Side Plates:	Thickness: 1/4“ Hardox® 450
Plow Back:	10 Gauge Steel Minimum
Spokes:	1/4” spokes with 3/16” gusseting

Drive Train Components:

Drive:	Runs off carrier vehicle hydraulics
Drivelines:	Spicer
Gearbox:	Kodiak Right Angle 175 Gearbox: 4.09:1
Ribbon Drive:	Kodiak Center Drive 175 Gear Box: 4.09:1 Shear pin/Torque clutch protection on each side of center drive gearbox to each ribbon, and before motor.

Miscellaneous Requirements:

Scraper Blade:	Hardox® scraper blade 1 piece
Wear Shoes:	2 adjustable skid shoes of Hardox 450
Cutter Bars:	Cutter bar extensions on each side
Spot Chute:	Truck loading spot chute, 270 degrees of rotation, total height to be determined by buyer to accommodate any storage facility height restrictions.

Hydraulics:

Aux. Hydraulic Pump:	5 gallon per minute
Motors:	75CC motor with open center pilot operated valve

Electrical:

ALL electrical systems concerned with the Rotary Plow are plug-in, quick disconnect and waterproof type. All wiring to be encased in loom.

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