

# SPECIFICATIONS

## 3000 HUGGER CORNHEAD

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**GENERAL**

Model ..... "3000 HUGGER"

**CORNHEAD**

Sizes ..... 4 Row 38"  
 6 Row, 30", 36"  
 8 Row, 30", 36", 38"  
 12 Row, 20", 22"  
 12 Row, 30"

**MODEL APPLICATION**

CORNHEAD MODEL	COMBINE MODEL					C62
	R42	R52	R65	R75		
<b>Hugger</b>						
438	✓	✓				
630	✓	✓	✓	✓		✓
636		✓	✓	✓		✓
830		✓	✓	✓		✓
836			✓	✓		✓
838			✓	✓		✓
1220			✓	✓		✓
1222			✓	✓		✓
1230			✓	✓		✓

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### DRIVES

Main .....	PTO, Universal Shaft
Drive Protection .....	Friction Disc Clutch
Row Units .....	Chain, #60, Oil Bath
Drive Protection .....	Friction Disc
Row Unit (Individual) .....	Gear Box Drive, Individual Row
Drive Shaft in (mm) .....	1.125 Hex (28.5)
Drive Protection .....	Torque Limiter, Radial Pin
Conveyor .....	Chain
Drive Protection .....	Torque Limiter, Radial Pin

### DIVIDER AND GATHER SHEETS

Inner Divider Length Pivot to Tip in (mm) .....	37.3 (947)
Inner Gather Sheet, Length in (mm) .....	42.5 (1079)
Thickness .....	16 gauge
Height, Front in (mm) .....	11.5 (292)
Height Rear in (mm) .....	8.7 (221)
Angle vs. Ground degrees .....	16.7
Pivot for Service .....	Mid
Latch Type .....	Quick Pin
Quick Removal .....	Yes

### EAR DEFLECTORS

Height in (mm) .....	3.5 (81)
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### OUTER DIVIDERS

Length in (mm) .....	37.3 (947)
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### OUTER GATHER SHEETS

Length in (mm) .....	66.3 (1684)
Angle vs. Ground degrees .....	30
Tilt for Service .....	Yes
Anchor Style .....	Turnbuckle
Width, Front in (mm) .....	12.7 (322)
Width, Rear in (mm) .....	16.5 (419)

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### SPEEDS

Conveyor	
Standard rpm .....	117 - 148
Optional rpm .....	156 - 198
Snapping Roll	
Standard rpm .....	554 - 783
Optional rpm .....	624 - 972
Gathering Chain	
Standard rpm .....	198 - 241
	206 -261 ft per min
Optional rpm .....	213 - 270
	233 - 296 ft per min
Combine Input rpm.....	624 792

### ROW UNIT

Stripper Plate Angle degrees.....	21.5
Kernel Saver Bar .....	Yes

### SNAPPING ROLLS

Overall Length in (mm) .....	22.44 (570)
Blade Length in (mm) .....	14.37 (365)
Point Length in (mm) .....	8.0 (203)
Blades/Roll .....	6 (round shaft)
Blade Type .....	Formed Steel
Front Mount.....	Cantilevered
Roll Center Distance in (mm) .....	4 (102)
Tip of Snapping Roll Point in (mm) .....	4 (102)

### GATHER CHAIN

Size and Pitch in (mm) .....	550/1.63 (41)
Length, Paddle in (mm) .....	3 (76)
Link Form, Paddle .....	Square
Drive Sprocket.....	Cast 8 Tooth
Idler Type .....	Stamped 8 Tooth
Distance, Sprocket to Sprocket in (mm) .....	34.25 (870)

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### GEAR BOX

Snapping Roll Drive.....	Bevel
Gather Shaft Drive.....	Helical
Gather Drive Sprocket Center in (mm) .....	11.5 (292)
Lubricant .....	Type "O" E. P. Grease
Drive Shaft in (mm) .....	1.125 Hex (28 5)

### CONVEYOR

Welded Assy, Tube in (mm) .....	6 (dia.) (152)
Welded Assy. Flighting in (mm).....	16 OD (406)
Flighting Pitch in (mm).....	24 (610)
Adjustment .....	Horizontal and Vertical
Drive	
Chain Size.....	#60
Clutch.....	Jaw

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### PLASTIC DIVIDERS

Cornhead Model	Combine Model	No. of Rows	Row Spacing	Overall Width	Weight
438	R42 R52	4	36 in (914 mm) 38 in (965 mm)*	155.2 (3943 mm) 161.3 (4096 mm)	3125 lbs (1437 kg)
630	R42 R52 R65 R75 C62	6	28 in (711 mm) 30 in (762 mm)*	188.5 in (4788 mm) 197.2 in (5010 mm)	4415 lbs (2007 kg)
636	R52 R65 R75 C62	6	36 in (914 mm) 38 in (965 mm)*	228.5 in (5802 mm) 237.2 in (6026 mm)	4575 lbs (2103 kg)
830	R52 R65 R75 C62	8	28 in (711 mm) 30 in (762 mm)*	243.2 in (6178 mm) 257.2 in (6534 mm)	5680 lbs (2582 kg)
836	R65 R75 C62	8	34 in (864mm) 36 in (914mm)*	INA	6050 lbs (2750kg)
838	R65 R75 C62	8	36 in (914 mm) 38 in (965 mm)*	299.2 in (7601 mm) 313.2 in (7956 mm)	6050 lbs (2750 kg)
1220	R65 R75 C62	12	20 in (508 mm)*	255 in (6477 mm)	7000lbs. (3175 kg)
1222	R65 R75 C62	12	22 in (558.8 mm)*	277 in (7036 mm)	7120 lbs. (3234 kg)
1230	R65 R75 C62	12	30 in (762 mm)*	377.2 in (9581 mm)	8900 lbs. (4045 kg)

\* Indicates factory setting