

# Specifications

## 1420

### GRAIN HEADS

Width of cut w/gather:	
810 rigid cutterbar	13', 15', 16.5', 17.5', 20' (3.96, 4.57, 5.03, 5.33, 6.10 m)
820 flexible cutterbar	13', 15', 16.5', 17.5' (3.96, 4.57, 5.03, 5.33 m)
810 pickup header	10 or 13' (3.05 or 3.96 m)
Windrow pickups	110" or 132" (2794 mm or 3352 mm) belt-type
Sickle speed, cycles per minute	
810	500 std.
820	600 std.
Cutting range w/std. tires	16" (406 mm) below to 46" (1168 mm) above ground
Reel speeds w/hydraulic drive	0 to 50 RPM std.
Reels, type:	
810	IH 5-bat std.; 6-bat pickup reel opt.
820	6-bat pickup std.
Header auger	20" (508 mm) diam. w/retracting fingers

### CORN HEADS

Sizes available	4-row for 28", 30", 36", 38", 40" (711 mm, 762 mm, 914 mm, 965 mm, 1016 mm) spacing
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### THRESHING/SEPARATING

Type system	Longitudinally mounted rotor
Rotor diameter	20" (510 mm)
Rotor length	108" (2743 mm)
Rotor speeds	Variable w/low and high range Low—255 to 650 RPM High—560 to 1410 RPM
Concave	Adjustable 3-section bar and wire
Concave adjustment	Acme thread, ratchet operated
Discharge beater	3-blade
Auger bed	3-auger

### CLEANING

Chaffer sieve	Adjustable slat
Shoe sieve	Adjustable slat
Total cleaning area	3747 sq. in. (2.42 m <sup>2</sup> )
Cleaning fan	6-blade centrifugal
Fan speed	Variable, 370 to 1164 RPM

### CONVEYING AND STORAGE

Tailings elevator	6" x 8" (152 x 203 mm) top driven, roller chain w/rubber flights
Clean grain elevator, standard	7" x 8" (178 mm x 203 mm) top driven, roller chain w/rubber flights
Grain tank capacity	125 bu. (4.38 m <sup>3</sup> )
Unloading auger	Hydraulic swivel control
Unloading height: reg. unloader	148" (3776 mm)
Unloading speed	1.56 bu. per second max., depending upon crop and conditions

### WHEELS AND TIRES

Drive wheel tires	18.4-26 10 PR (R1) std. grain; 23.1-26 8 PR (R1) std. corn; 23.1-26 8 PR (R2), (R3) opt.; 23.1-34 8 PR (R2), opt.
Drive wheel tread	101" (2565 mm) wheels out; 89" (2260 mm) wheels in
Drive wheel tread w/axle extensions	120" (3048 mm) wheels out, 108" (2743 mm) wheels in
Steering tires	10.00-16 8 PR (F2) std. grain; 11.00-16 6 PR (F2) std. corn; 12.4-16 8 PR (R3); 11.2-24 6 PR (R1); 9.5-24 6 PR (R1) opt.
Steering axle tread	71.1" (1706 mm) grain 67-91" (1702-2311 mm) corn
Wheelbase	138" (3510 mm)

### ENGINE

Type and horsepower	IH D358 6-cyl diesel w/112 hp at 2500 RPM
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### DIMENSIONS (Standard grain machine)

Overall width, less header, less operating ladder	120" (3.05 m) w/std. tires (out)
Overall length w/47" feeder	325" (8.25 m) w/grain header
Transport and storage height	137" (3.48 m) w/std. tires

## 1440

### GRAIN HEADS

Width of cut:	
810 rigid cutterbar	13', 15', 16.5', 17.5', 20', 22.5' and 24' (3.96, 4.57, 5.03, 5.33, 6.10, 6.86, and 7.32 m)
820 flexible cutterbar	13', 15', 16.5', 17.5', 20', and 22.5' (3.96, 4.57, 5.03, 5.33, 6.10 and 6.86 m)
810 pickup header	10' or 13' (3.05 or 3.96 m)
Windrow pickups	110" or 132" (2794 mm or 3353 mm) belt-type
Cutting range w/std. tires	16" (406 mm) below to 46" (1168 mm) above ground
Sickle speed, cycles per minute	
810	500 std.
820	600 std.
Reel speeds w/hydraulic drive	0 to 50 RPM std.
Reels, type:	
810	IH 5-bat std.; 6-bat pickup reel opt.
820	6-bat pickup std.
Header auger	20" (508 mm) diam. w/retracting fingers

### CORN HEADS

Sizes available	4-row for 28", 30", 36", 38", 40" (711 mm, 762 mm, 914 mm, 965 mm, 1016 mm) spacing
5-row for 36", 38", 40"	(914 mm, 965 mm, 1016 mm) spacing
6-row for 28", 30"	(711 mm, 762 mm) spacing

### THRESHING/SEPARATING

Type system	Longitudinally mounted rotor
Rotor diameter	24" (610 mm)
Rotor length	108" (2743 mm)
Rotor speeds	Variable w/low and high range Low—280 to 650 RPM High—530 to 1260 RPM
Concave	Adjustable 3-section bar and wire
Concave adjustment	Acme thread, ratchet operated
Discharge beater	4-blade box type
Auger bed	4-auger

### CLEANING

Chaffer sieve	Adjustable slat
Shoe sieve	Adjustable slat
Total cleaning area	4,750 sq. in. (30,645 cm <sup>2</sup> )
Cleaning fan	6-blade centrifugal
Fan speed	Variable, 380 to 1200 RPM

### CONVEYING AND STORAGE

Tailings elevator ..... 6" x 8" (152 x 203 mm) top driven, roller chain w/rubber flights  
Clean grain elevator, standard ..... 8" x 8" (203 mm x 203 mm) top driven, roller chain w/rubber flights  
Grain tank capacity ..... 145 bu. (5.08 m<sup>3</sup>)  
Unloading auger ..... Hydraulic swivel control  
Unloading height: reg. unloader ..... 149" (3782 mm)  
Unloading speed ..... 1.9 bu. per second max., depending upon crop and conditions

### WHEELS AND TIRES

Drive wheel tires ..... 23.1-26; 10 PR (R1) std. grain and corn; R2, R3 opt.; 28L-26, (R1), (R2), (R3) opt.  
23.1-34 (R2) opt.; 24.5-32 (R1), (R2), (R3) opt.  
Drive wheel tread ..... 108" (2743 mm) wheels out; 94" (2388 mm) wheels in; 100" (2540 mm) with 3" spacer and 28L-26 tires  
Drive wheel tread w/axle extensions ..... 122" (3099 mm) wheels out; 108" (2743 mm) wheels in  
Steering tires ..... 10.00-16, 6 PR (F2) std.; 11.00-16 6 PR (F2); 9.50-24 6 PR (F1); 11.2-24 6 PR (R1); 12.4-16 8 PR (R3); 18.4-16.1 6 PR (R1) opt.  
Steering axle tread ..... 72" (1829 mm) grain; 67-91" (1702-2311 mm) corn  
Wheelbase ..... 138" (3510 mm)

### ENGINE

Type and horsepower ..... IH D436 6-cyl. diesel w/135 hp at 2500 RPM

### DIMENSIONS (Standard grain machine)

Overall width, less header, less operating ladder ..... 137" (3.48 m) w/std. tires (out)  
Overall length w/reg. unloader w/47" feeder ..... 344" (8.74 m) w/grain header  
Overall length less header w/reg. unloader ..... 267" (6.78 m)  
Transport and storage height ..... 140" (3.56 m) w/std. tires



# Specifications

## 1460

### GRAIN HEADS

Width of cut:

810 rigid cutterbar	13', 15', 16.5', 17.5', 20', 22.5' and 24'
	(3.96, 4.57, 5.03, 5.33, 6.10, 6.86, and 7.32 m)
820 flexible cutterbar	13', 15', 16.5', 17.5', 20', and 22.5'
	(3.96, 4.57, 5.03, 5.33, 6.10 and 6.86 m)
810 pickup header	10' or 13' (3.05 or 3.96 m)
Windrow pickups	110" or 132" (2794 mm or 3353 mm) belt-type
Cutting range w/std. tires	16" (406 mm) below to 46" (1168 mm) above ground

Sickle speed, cycles per minute:

810	500 std.
820	600 std.

Reel speeds w/hydraulic drive 0 to 50 RPM std.

Reels, type:

810	IH 5-bat std.; 6-bat pickup reel opt.
820	6-bat pickup std.

Header auger 20" (508 mm) diam. w/retracting fingers

### CORN HEADS

Sizes available

4-row for 28", 30", 36", 38", 40"
(711 mm, 762 mm, 914 mm, 965 mm, 1016 mm) spacing
5-row for 36", 38", 40" (914 mm, 965 mm, 1016 mm) spacing
6-row for 28", 30", 36", 38", 40"
(711 mm, 762 mm, 914 mm, 965 mm, 1016 mm) spacing
8-row for 28" (711 mm) and 30" (762 mm) spacing

### THRESHING/SEPARATING

Type system Longitudinally mounted rotor

Rotor diameter 24" (610 mm)

Rotor length 108" (2743 mm)

Rotor speeds Variable w/low and high range

Low	—280 to 650 RPM
High	—530 to 1260 RPM

Concave Adjustable 3-section bar and wire

Concave adjustment Acme thread, ratchet operated

Discharge beater 4-blade box type

Auger bed 4-auger

### CLEANING

Chaffer sieve Adjustable slat

Shoe sieve Adjustable slat

Total cleaning area 4,750 sq. in. (30,645 cm<sup>2</sup>)

Cleaning fan 6-blade centrifugal

Fan speed Variable, 380 to 1200 RPM

### CONVEYING AND STORAGE

Tailings elevator 6" x 8" (152 x 203 mm) top driven, roller chain w/rubber flights

Clean grain elevator, standard 8" x 8" (203 mm x 203 mm) top driven, roller chain w/rubber flights

Grain tank capacity 180 bu. (6.30 m<sup>3</sup>)

Unloading auger Hydraulic swivel control

Unloading height: reg. unloader 149" (3782 mm)

long unloader 156" (3973 mm)

Unloading speed 1.9 bu. per second max., depending upon crop and conditions

### WHEELS AND TIRES

Drive wheel tires 23.1-26 10 PR (R1) std. grain; R3 opt.

23.1-26 12 PR (R1) std. corn; R3 opt.

23.L-26 (R1), (R2), (R3), opt. 24.5-32 (R1), (R2), (R3), opt.

30.5L-32 (R1), (R2), (R3); 23.1-34 (R2), opt.

Drive wheel tread 101" (2565 mm) wheels out;

89" (2260 mm) wheels in

Drive wheel tread w/axle extensions 120" (3048 mm) wheels out,

108" (2743 mm) wheels in

Steering tires 10.00-16 8 PR (F2) std. grain;

11.00-16 8 PR (F2) std. corn;

9.5-24 6 PR (F1); 11.2-24 6 PR (R1);

12.4-16 8 PR (R3); 18.4-16.1 6 PR (R1) opt.

Steering axle tread 71.1" (1706 mm) grain

67-91" (1702-2311 mm) corn

Wheelbase 138" (3510 mm)

### ENGINE

Type and horsepower IH DT436 6-cyl. diesel

w/170 hp at 2500 RPM

### DIMENSIONS (Standard grain machine)

Overall width, less header, includes engine, rotary air screen, less operating ladder 137" (3.48 m) w/std. tires (out)

Overall length w/reg. unloader w/47" feeder 344" (8.74 m) w/grain header

Overall length less header w/reg. unloader 267" (6.78 m)

Transport and storage height, low axle 142" (3.61 m) w/std. tires

## 1480

### GRAIN HEADS

Width of cut:

810 rigid cutterbar	13', 15', 16.5', 17.5', 20', 22.5', 24' and 30', (3.96, 4.57, 5.03, 5.33, 6.10, 6.86, 7.32 and 9.15 m)
820 flexible cutterbar	13', 15', 16.5', 17.5', 20', 22.5', (3.96, 4.57, 5.03, 5.33, 6.10 and 6.86 m)
810 pickup header (width)	10' or 13' (3.05 or 3.96 m)
Windrow pickups	110" or 132" (2794 mm or 3353 mm) belt-type
810 draper header	16.5' (5.03 m)
Cutting range w/std. tires	16" (406 mm) below to 46" (1168 mm) above ground

Sickle speed, cycles per minute:

810	500 std.
820	600 std.

Reel speed w/hydraulic drive 0 to 50 RPM std.

Reels, type:

810	IH 5-bat std.; 6-bat pickup reel opt.
820	6-bat pickup std.

Header auger: sizes thru 24" 20" (508 mm) diam. 30' size 24" (600 mm) diam. both w/retracting fingers

### CORN HEADS

Sizes available

4-row for 36", 38", 40"
(914 mm, 965 mm, 1016 mm) spacing
5-row for 36", 38", 40" (914 mm, 965 mm, 1016 mm) spacing
6-row for 28", 30", 36", 38", 40", (711 mm, 762 mm, 914 mm, 965 mm, 1016 mm) spacing
8-row for 28", 30", 36", 38", 40", (711 mm, 762 mm, 914 mm, 965 mm, 1016 mm) spacing

### THRESHING/SEPARATING

Type system Longitudinally mounted rotor

Rotor diameter 30" (762 mm)

Rotor length 108" (2743 mm)

Rotor speeds Variable w/low and high range

Low	—280 to 650 RPM
High	—420 to 1050 RPM

Concave Adjustable 3-section bar and wire

Concave adjustment Acme thread, ratchet operated

Discharge beater 4-blade box type

Auger bed 5-auger

## CLEANING

Chaffer sieve .....	Adjustable slat
Shoe sieve .....	Adjustable slat
Total cleaning area .....	6,420 sq. in. (41,415 cm <sup>2</sup> )
Cleaning fan .....	6-blade centrifugal
Fan speed .....	Variable, 380 to 1200 RPM

## CONVEYING AND STORAGE

Tailings elevator .....	6" x 8" (152 x 203 mm) top driven roller chain w/rubber flights
Clean grain elevator, standard .....	8" x 10" (203 mm x 254 mm) top driven, roller chain w/rubber flights
Grain tank capacity .....	208 bu. (7.28 m <sup>3</sup> )
Unloading auger .....	Hydraulic swivel control
Unloading height: reg. unloader .....	153" (3886 mm)
long unloader .....	160" (4064 mm)
Unloading speed .....	1.9 bu. per second max., depending upon crop and conditions

## WHEELS AND TIRES

Drive wheel and tires .....	24.5-32 (R1) std.; (R2), (R3) opt. 30.5L-32 (R1), (R2), (R3) opt. 67x34-30 (R2) opt.
Drive wheel tread .....	132" (3353 mm) wheels out 118" (2997 mm) wheels in
Drive wheel tread w/axle extensions .....	144" (3658 mm) wheels out 130" (3302 mm) wheels in
Steering tires .....	11.00-16 (F2) std. 12.4-16 (R3); 14.9-24 (R1); 18.4-16.1 (R1), (R3) opt.
Steering axle tread .....	68-88" (1727-2235 mm) std.
Wheelbase .....	138" (3505 mm)

## ENGINE

Type and horsepower .....	IH DT436 6-cyl. diesel w/190 hp at 2500 RPM
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## DIMENSIONS (Standard grain machine)

Overall width, less header, includes engine rotary air screen, less operating ladder .....	13'8" (4.16 m) w/std. tires (out)
Overall length w/reg. unloader w/54.5" feeder .....	348" (8.84 m) w/grain header
Overall length less header w/reg. unloader .....	272" (6.90 m)
Transport and storage height .....	144" (3.66 m) w/std. tires

