H400 Series Harvester Heads

JOHN DEERE

H400 Series FOUR-WHEEL-DRIVE HARVESTER HEADS

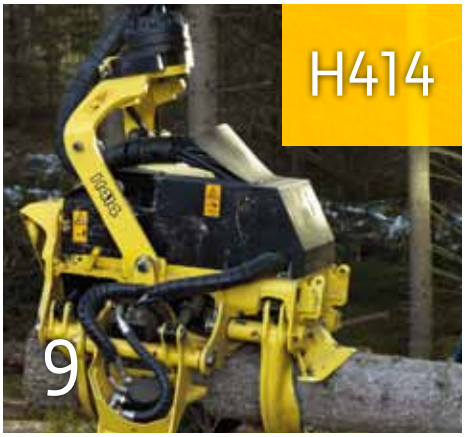
Productivity | Reliability | Versatility | Accuracy

Quality you can count on

John Deere harvester heads are known for outstanding productivity, reliability, versatility, and measuring accuracy.

Four-wheel-drive H400 Series Harvester Heads continue the same high-quality standards for product design and manufacturing that logging professionals worldwide trust to help get their toughest jobs done.

General features of the H400 Series



All-around harvester head for late thinnings and regeneration harvesting

Early thinnings

Early to late thinnings

Early to late thinnings with excellent multi-tree-handling features

Regeneration harvesting

Regeneration harvesting

H400 Series highlights

Powerful four-wheel-drive feeding

Four-wheel-drive system with high feed force and grip maximize feeding and delimbing efficiency.

Delimbing quality

Delimbing tool geometry provides the best possible delimbing coverage from large to small diameter wood.

Measuring accuracy

Latest sensor technology together with new TimberMatic control system provides outstanding measuring accuracy.

High saw performance

Automated hydraulic saw control minimizes cutting damage and maximizes productivity.

H412
Early thinnings

With its great multi-tree-handling ability, the John Deere H412 is the right harvester head for early thinnings. Its compact size makes it easy to catch, fell, and process trees in dense forest stands.

H412 features

- Compact and agile
- Durable and accurate
- Excellent delimbing capabilities, even for small diameter wood

Three moving delimbing knives, one fixed top knife, and one fixed back knife follow the contours of the stem. The H412 provides excellent delimbing quality for all stem diameters down to 40 mm.

The H412 is a compact and light-weight, easy-to-maneuver harvester head. Its excellent multi-tree-handling-features help noticeably increase productivity.

H754
First thinning to early regeneration harvesting

The John Deere H754 is a lightweight harvester head designed to carry out a wide range of harvesting jobs, from first thinning to early regeneration harvesting.

H754 features

- All-round harvester head
- Compact frame design
- Fast and precise felling

For fast and precise felling the SuperCut 100 saw unit cuts tree diameters up to 620 mm.

H413
Early to late thinnings

The John Deere H413 is designed to carry out a wide range of harvesting jobs, from early to late thinnings, to light regeneration harvesting. It has outstanding multi-tree-handling qualities, a compact frame design, and an excellent power-to-weight ratio.

H413 features

- Great versatility and performance
- Very suitable for multi-tree handling
- Easy and effortless serviceability

The powerful, well-positioned saw unit of the John Deere H413 masters fast and precise felling and crosscutting. The H413 features four feed rollers that form a circle around the stem. This unique continuous four-wheel-drive with hydraulically connected feed rollers and mechanical differential lock ensures strong, fast feeding.

Thanks to a short frame and optimal placement of the one fixed delimbing and four moving knives, the John Deere H413 delivers superb delimbing performance. The H413 excels when paired with multi-tree-handling equipment.

H414
Late thinnings and regeneration harvesting

The John Deere H414 features an excellent power-to-weight ratio, outstanding delimbing capability, and compact size. It is a great all-round multipurpose harvester head.

H414 features

- Designed for mid-sized to large harvesters
- Excellent power-to-weight ratio
- Highly maneuverable

Feed-roller arms feature built-in guards, strong cylinders and well-protected hose routings. Four moving delimbing knives, one fixed top knife, and one fixed back knife follow the contours of the stem.

The geometry and long cutting edges of the H414 knives ensure excellent delimbing quality for all stem diameters. The SuperCut 100 saw unit has a maximum felling diameter of 620 mm, for excellent all-round performance all the way from early thinnings up to early regeneration felling.

H480C
Large-timber-cutting power

The John Deere H480C Harvester Head combines large-timber-cutting power with excellent delimbing quality throughout its tip-to-tip diameter range.

H480C features

- For large timber
- Excellent delimbing quality
- Unprecedented tree-processing performance

The H480C gives unprecedented tree-processing performance, especially in large timber.

The feed-roller arms feature more durable bearings, strengthened cylinders and pins, and well-protected hose routings. Four moving delimbing knives, one fixed top knife, and one fixed back knife follow the contours of the stem. The knife geometry and long cutting edges of the H480C ensure excellent delimbing quality for all stem diameters.

The SuperCut 100 saw unit has a maximum felling diameter of 710 mm, and can be factory equipped with either Parker or Bucher saw-motor options.

H415
Strength and stamina for large timber

The John Deere H415 Harvester Head combines large-timber-cutting power with excellent delimbing quality. The H415 is hard to beat when it comes to productivity, uptime, and low daily operating costs.

H415 features

- Large-timber-cutting power
- Excellent delimbing quality
- Unprecedented tree-processing performance

The H415 gives unprecedented tree-processing performance, especially in large timber. New feed-roller-arm geometry ensures feed rollers grip solidly and reliably carry trunks in all diameter ranges.

The H415 offers a solution for all different kinds of clearfelling with its three options for variable stem types: standard (narrow stem), buttress (wide stem), and top saw (processing and hardwood).

H400 Series
FOUR-WHEEL-DRIVE HARVESTER HEADS

Productivity
Reliability
Versatility
Accuracy

H400 Series Harvester Heads technical data

	H412	H754	H413	H414
DIMENSIONS [mm]				
Width, head open	1320	1360	1450	1520
Width, head closed	1070	1200	1140	1300
Height without rotator and link	1155	1130	1330	1345
WEIGHT [kg]				
Without rotator and link, from	735	890	940	1100
FELLING/CUTTING				
SuperCut 100 saw unit, automatic chain tensioning	Standard	Standard	Standard	Standard
Maximum cut diameter [mm]	470	620	580	620
Length of saw bar [mm]	540	640/750	640/750	750
Chain type	.404	.404	.404	.404
Chain speed [m/s]	40	40	40	40
FEEDING, FOUR-WHEEL-DRIVE with steel feed rollers Gross feed force [kN]	450 / 200-cc motors: 17	400 / 250-cc motors: 18 500 / 315-cc motors: 22	400 / 250-cc motors: 19 500 / 315-cc motors: 23	620 / 400-cc motors: 17
Maximum feed speed [m/s]	4.9–5.8	4.5–7.0	4.8–5.6	4.3–5.3
Maximum roller opening [mm]	530	560	560	640
DELIMBING [mm]				
Delimbing knives	3 moving, 2 fixed	4 moving, 1 fixed	4 moving, 2 fixed	4 moving, 2 fixed
Delimbing diameter tip to tip	400	400	420	430
Maximum opening upper knives	550	560	560	610
Maximum opening lower knives	600	560	570	660
HYDRAULIC SYSTEM				
Maximum operating pressure [MPa]	28	28	28	28
Recommended pump capacity [l/min.]	200–260	200–280	240–280	260–320
CONTROL AND MEASURING SYSTEM	For adaptation, contact your local John Deere dealer.			
OPTIONAL EQUIPMENT				
Color marking	Yes	Yes	Yes	Yes
Stump treatment	Yes	Yes	Yes	Yes
Multi-tree-handling (MTH)	Yes	Yes	Yes	Yes
Mense feed rollers	No	Yes	Yes	Yes
Moipu feed rollers	No	Yes	Yes	Yes
Steel thumbnail feed rollers	Yes	Yes	Yes	Yes
Steel V-profile feed rollers	Yes	Yes	Yes	Yes
Steel ribbed feed rollers	No	No	Yes	No
Chain and saw bar kits	Yes	Yes	Yes	Yes
Hydraulic hose kit	Yes	Yes	Yes	Yes
Top saw	No	No	No	No
OTHER ACCESSORIES	For more information, please contact your dealer.			

*Please note: Measurements are guidelines only and may vary depending on production tolerances. The manufacturer reserves the right to make changes.
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H480C	H415
1880	1720
1200	1220
1450	1510
1350	1330
Standard	Standard
710	750
825/900	825/900
.404	.404
40	40
400 / 630-cc motors: 27	400 / 630-cc motors: 27
500 / 800-cc motors: 30	500 / 780-cc motors: 30
500 / 780-cc motors: 30	1014 / 315-cc motors: 25–42
4.0–6.5	2.9–7.0
680	680
4 moving, 2 fixed	4 moving, 2 fixed
460	460
680	680
710	730
28	28
260–340	260–340
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
Yes	Yes
No	Yes
Yes	Yes
Yes	Yes
No	Yes

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Our ambition is to offer innovative solutions to make your work more productive, efficient, and easy. We are dedicated to being a long-term partner for our customers. Our wide distribution network offers professional support and services to customers worldwide.

Nothing Runs Like a Deere™

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