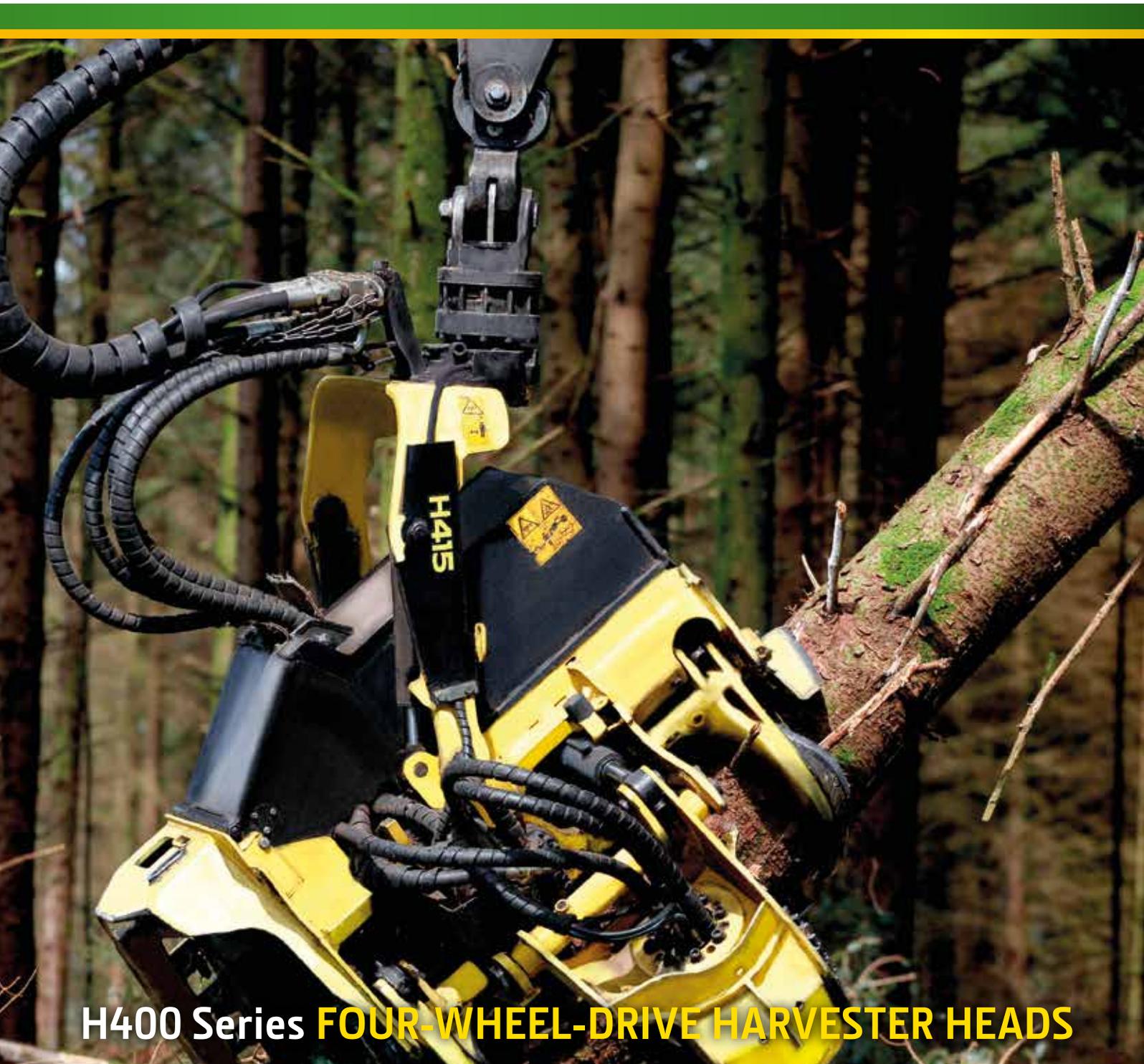


H400 Series Harvester Heads



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.

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 delimiting capabilities, even for small diameter wood

Three moving delimiting knives, one fixed top knife, and one fixed back knife follow the contours of the stem. The H412 provides excellent delimiting 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.



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 delimiting and four moving knives, the John Deere H413 delivers superb delimiting 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 delimiting 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 delimiting 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 delimiting 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 delimiting quality throughout its tip-to-tip diameter range.

H480C features

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

H415HD features

- HD tilt frame
- Expander pins for feed roller arms
- Lower feedmotor and feedmotor hose guards

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 highlights



Powerful four-wheel-drive feeding

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



Delimiting quality

Delimiting tool geometry provides the best possible delimiting 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.

H400 Series Harvester Heads technical data

	H412	H413	H414	H480C
DIMENSIONS [mm]				
Width, head open	1320	1450	1520	1880
Width, head closed	1070	1140	1300	1200
Height without rotator and link	1155	1330	1345	1450
WEIGHT [kg]				
Without rotator and link, from	735	940	1100	1350
FELLING/CUTTING				
SuperCut 100 saw unit, automatic chain tensioning	Standard	Standard	Standard	Standard
Maximum cut diameter [mm]	470	580	620	710
Length of saw bar [mm]	540	640/750	750	825/900
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: 19 500 / 315-cc motors: 23	620 / 400-cc motors: 27	630 / 400-cc motors: 27 800 / 500-cc motors: 30 780 / 500-cc motors: 30
Maximum feed speed [m/s]	4.9–5.8	4.8–5.6	4.3–5.3	4.0–6.5
Maximum roller opening [mm]	530	560	640	680
DELIMBING [mm]				
Delimiting knives	3 moving, 2 fixed	4 moving, 2 fixed	4 moving, 2 fixed	4 moving, 2 fixed
Delimiting diameter tip to tip	400	420	430	460
Maximum opening upper knives	550	560	610	680
Maximum opening lower knives	600	570	660	710
HYDRAULIC SYSTEM				
Maximum operating pressure [MPa]	28	28	28	28
Recommended pump capacity [l/min.]	200–260	240–280	260–320	260–340
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	Yes	No	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.
All product names featured in this brochure are registered trademarks of John Deere Forestry Oy.

This brochure/literature has been compiled with care for worldwide circulation. While general information, pictures, and descriptions are provided, some illustrations and text may include options and accessories not available in all regions. Please contact your local dealer for details. John Deere reserves the right to change specifications and design for products described in this brochure without notice. No liability for errors and omissions.

H415 (H415HD)

1720
1220
1510

1370 (1415)

Standard

750
825/900
.404
40

630 / 400-cc motors:
27
780 / 500-cc motors:
30
1014 / 315-cc motors:
25-42
2.9-7.0
680

4 moving, 2 fixed
460
680
730

28
260-340

Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes
Yes



MORE
INFORMATION
ONLINE:



The leading provider of advanced harvesting solutions and services

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™



JOHN DEERE

This brochure has been compiled for worldwide circulation. While general information, pictures, and descriptions are provided, some illustrations and text may include options and accessories not available in all regions. For more information, please contact your local John Deere dealer. John Deere reserves the right to change specifications and design for products in this brochure without notification. John Deere is not liable for any possible errors or omissions in this brochure.