

HARVESTING/PROCESSING HEADS



400 SERIES



H400 Series **FOUR-WHEEL-DRIVE HARVESTER HEADS**

Productivity

Reliability

Versatility

Accuracy

Quality you can count on

Waratah 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.

Highlights

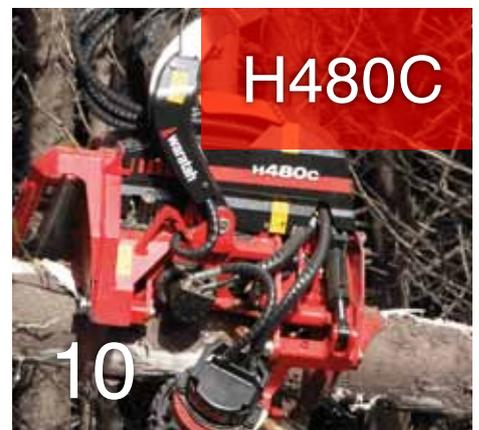
 **waratah**

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General features of the H400 Series



All-around harvester head for late thinnings and regeneration harvesting



Regeneration harvesting



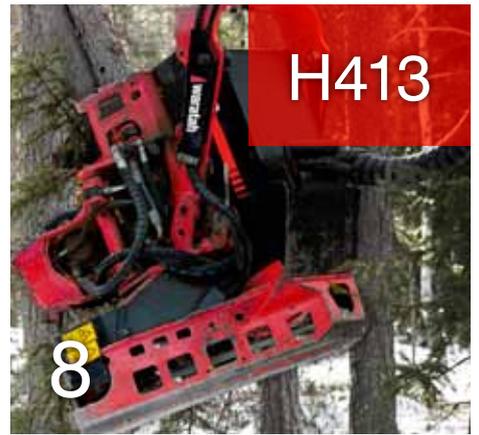
H412

Early thinnings



HTH460

Early to late thinnings



H413

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



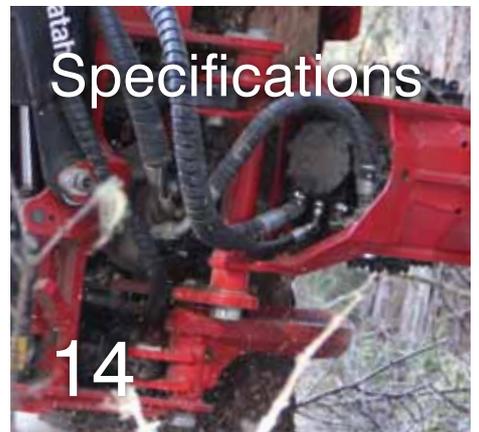
H415

Regeneration harvesting



TimberRite

12



Specifications

14

H400 Series highlights



Powerful four-wheel-drive feeding

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



Measuring accuracy

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



Delimiting quality

Delimiting tool geometry provide the best possible delimiting coverage from large to small diameter wood.

High saw performance

Automated hydraulic saw control minimizes cutting damage and maximizes productivity.

H412

Early thinnings

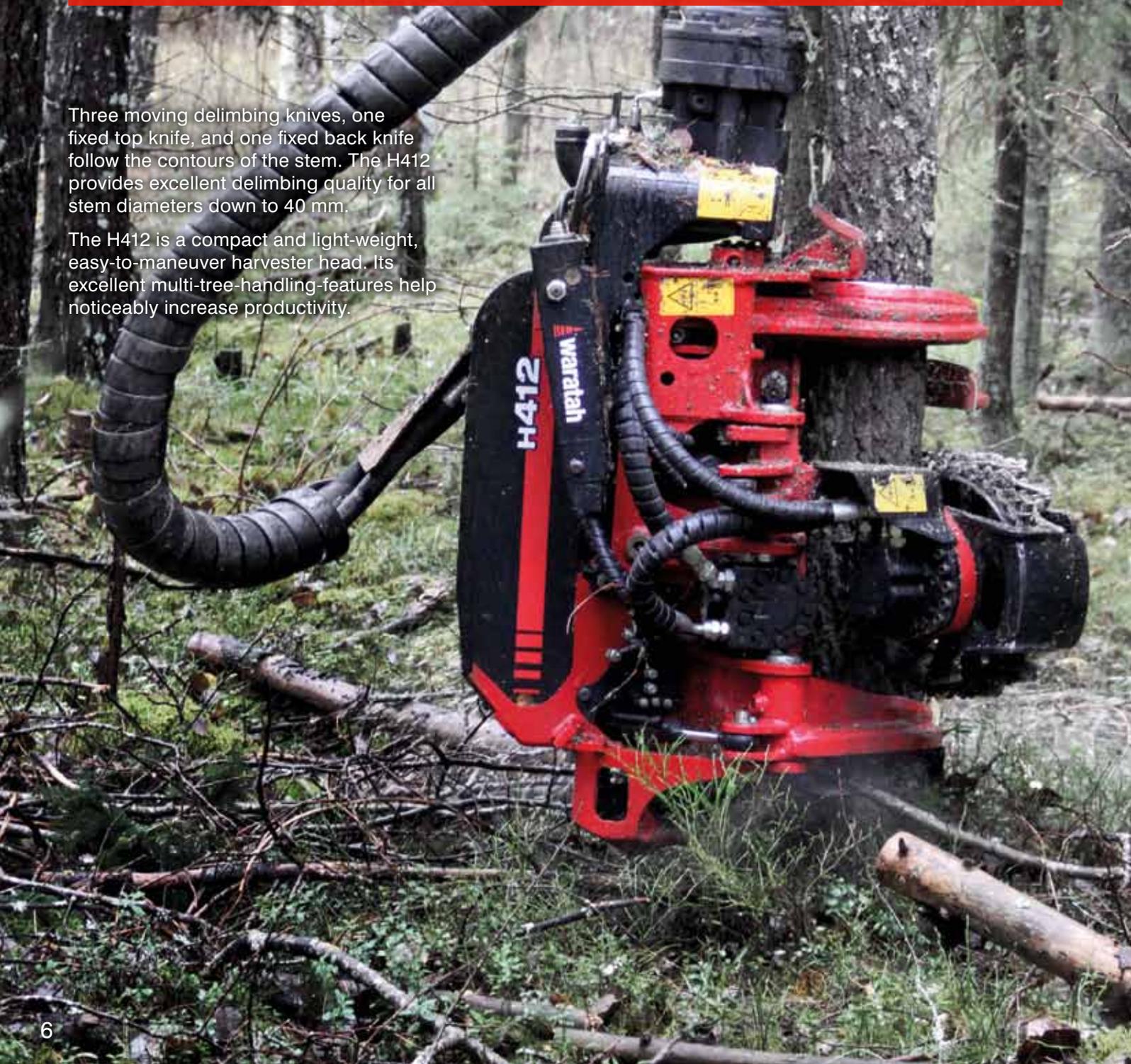
With its great multi-tree-handling ability, the Waratah H412 is the right harvester head for early thinnings. Its compact size makes it easy to catch, fell, and process trees in dense forest stands.

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.



HTH460

First thinning to early regeneration harvesting

The Waratah HTH460 is a lightweight harvester head designed to carry out a wide range of harvesting jobs, from first thinning to early regeneration harvesting.

HTH460 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 Waratah 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 Waratah 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 Waratah H413 delivers superb delimiting performance. The H413 excels when paired with multi-tree-handling equipment.

H414

Late thinnings and regeneration harvesting

The Waratah 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 Waratah 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 Waratah 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

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).

CUSTOMIZED TO WORK.

Make our head your head.



TR100 key features

- An embedded, easy to learn and intuitive icon based system for those applications where simplicity is your priority
- No more keyboard – adjust settings easily with the user friendly touch screen
- Provides four species, 80 preselects delivering capability and flexibility for the larger cutting lists
- Provides extensive diagnostics for quick troubleshooting

When you order a Waratah harvester head, you never have to settle for features you'll never use. Since we build everything to order, you're able to fine-tune the configurations and match the features to the way you work – right down to the species of tree you're working with.

Whether you're looking to be more precise at the controls or more comfortable in your carrier, our customized wheel-and-knife configurations and smart amenities will help you make the most of your time on the job.

MEASURING AND CONTROL SYSTEMS

Simplify your operations while boosting productivity with the Waratah TR100 measuring system. Through this easy-to-use system, operators control harvester head functions, measure log length and diameter, and record the total volume harvested — all with icons that are easily understood worldwide.

TR100 delivers vital production information while controlling harvest functions and timber measurements. With its simple graphics, it knocks down language barriers and helps manage workloads through intelligent control systems and real-time information access.

By managing your workload through intelligent control systems, real-time information access, and wireless data transfer, our TimberRite 30L and 30H systems turn your carrier into your high-tech office in the woods.

You can send and receive production information, machine settings, and harvesting instructions via email. Or monitor your harvester/processor head performance to ensure maximum productivity.



TimberRite 30L

KEY FEATURES

- PC-based system integrates the control of the harvester/processor head with the measure and bucking of timber
- Enough memory for an unlimited number of sites and personal settings for up to six operators
- It optimizes using length plus large-end (LED) or small-end (SED) diameter logic, incorporating eight species, 40 pre-selections per species - streamlining your mixed timber stands and large cutting lists
- Provides individual species calibration and individual species soft clamping settings of the delimb and drive arms
- Transfer data with a USB stick
- Features work and repair statistics to help you monitor uptime, productivity, and operating costs
- Download production reports, worksite instructions, repair follow-ups, calibration history, log tables, and more
- Simplified diagnostic tests with built-in diagnostic troubleshooting of all inputs, outputs, and sensors.



TimberRite 30H

KEY FEATURES

- Send and receive production information, machine settings, and harvesting instructions via email regardless of your location
- It optimizes each log prioritizing by assigned price to maximize the value of the log.
- StanForD files ensure data can interchange with virtually any professional system in the forestry business
- Transfer data with a USB stick
- Features work and repair statistics to help you monitor uptime, productivity, and operating costs
- Download production reports, worksite instructions, repair follow-ups, calibration history, log tables, and more
- Simplified diagnostic tests with built in diagnostic troubleshooting of all inputs, outputs, and sensors.

COMPONENTS

Display Module

26.4 cm 10.39 in.- monitor with keyboard and touchpad mouse

PC-based CPU Module

Includes email and optional GPS

Joystick Module

Interface for joystick communication

SureGrip or Danfoss Joysticks

For comfortable control of harvester head functions

CrossFire Module

CrossFire controls base machine pumps

Harvester Head Module (HHM)

Processes and conveys control signals to the harvester and measuring data from the harvester head

USB Stick

Conveniently transfer files

H400 Series Harvester Heads technical data

	H412	HTH460	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]				
Delimiting knives	3 moving, 2 fixed	4 moving, 1 fixed	4 moving, 2 fixed	4 moving, 2 fixed
Delimiting 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 Waratah 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.

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. Waratah reserves the right to change specifications and design for products described in this brochure without notice. No liability for errors and omissions.

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
No	Yes
Yes	Yes
Yes	Yes
No	Yes





FORESTRY EQUIPMENT

www.waratah.net

MORE
ABOUT OUR
HARVESTER
HEADS:

