

# WARATAH

600-SERIES / FL85 / TIMBERRITE™



 **waratah**  
BUILT TO WORK



## Maximum productivity. Minimal downtime.

You need equipment that can take on the big jobs and that's durable enough to keep going day after day. Whatever it takes, as long as it takes, to get the job done.

That combination — as versatile as they are strong, as reliable as they are rugged — is what Waratah attachments are all about. We know that spending hours on repairs is money out of your pocket. So we design, test, and build each attachment to work when facing the challenges of the woods. All to keep you productive and competitive — and ultimately boost your bottom line.

From harvesting and processing heads to booms and cranes to measuring systems, Waratah offers the most comprehensive range of products in the forestry industry. And by continually refining our products and processes, with a focus on increased mechanization and technology application, we've built a reputation in global forestry. We're built to work.



# It's our job to keep you working.

At Waratah, we're known for two things: our tough-as-nails products and our in-the-trenches customer service. When you purchase a Waratah head, you're getting more than equipment — you're getting a dedicated team of technicians who'll stand behind the product for the duration of its use. From installation to maintenance and troubleshooting, our service team and your local dealer get you the help you need — when you need it. You see, we understand that if you're not in the woods working, you're not making money. And that affects everything we do as an organization. That's what we mean when we say Waratah heads are built to work.

We also know you work long hours, so we work long hours, too. That way, we're there for you when you need us most.

But our dedication to service begins before you take delivery, thanks to our extensive Waratah distribution network that makes it as easy for you to buy our products as it is to have them serviced. Most important — when you need us most, we are just a phone call away.

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# HTH616C



## The HTH616C

Lightweight and versatile, the Waratah HTH616C is perfect for processing small wood out of a deck, working behind a buncher, or cutting and delimiting post and rail in a mill yard.

The HTH616C can easily be installed on carriers for thinning and final-felling wood at an optimal 40 centimeters (16 inches) in diameter. It gives you the same great features of the larger heads — synchronized drive, topping saw, and more.

We've also worked in a number of upgrades including two feed-motor options, a redesigned saw box, bronze delimb, and feeding bushings. Plus, we've improved the rotator. And that's just the beginning. This is a machine that takes flexibility, serviceability, durability, and control to a whole new level.

The HTH616C was redesigned for improved efficiency and durability.

## HTH616C TECHNICAL DATA

		Base	Base top saw
<b>Dimensions</b>	Maximum feed-roller opening	68 cm <i>27 in.</i>	68 cm <i>27 in.</i>
	Width (maximum)	160 cm <i>63 in.</i>	160 cm <i>63 in.</i>
<b>Weight</b>	Excluding links and some options	1680 kg <i>3,696 lb.</i>	1800 kg <i>3,960 lb.</i>
<b>Butt Saw</b>	Saw type	Supercut 100	Supercut 100
	Maximum cutting diameter	55 cm <i>22 in.</i>	55 cm <i>22 in.</i>
	Bar	75-cm Jetfit <i>29 in. and 0.404-in. pitch</i>	75-cm Jetfit <i>29 in. and 0.404-in. pitch</i>
	Saw limiting	Standard	Standard
<b>Top Saw</b>	Saw type		0.404
	Maximum cutting diameter		32 cm <i>13 in.</i>
	Bar and chain type		42 cm <i>17 in.</i>
<b>Feed System</b>	Three feed rollers with full hydraulic synchro-drive	Various feed-wheel options available	Various feed-wheel options available
	Motor option 1 (drive arm motor/fixed drive motor)	500 cc/315 cc	500 cc/315 cc
	Feed speed — maximum flow	6.3 m/sec. @ 290 l/min. 20.8 ft./sec. @ 76 gpm	6.3 m/sec. @ 290 l/min. 20.8 ft./sec. @ 76 gpm
	Motor option 2 (drive arm motor/fixed drive motor)	630 cc/400 cc	630 cc/400 cc
	Feed speed — maximum flow	5 m/sec. @ 290 l/min. 16.4 ft./sec. @ 76 gpm	5 m/sec. @ 290 l/min. 16.4 ft./sec. @ 76 gpm
<small>Note: Additional motor options may be available. Ask your dealer for additional information.</small>			
<b>Delimiting</b>	Top knives	1 fixed, 2 moving	1 fixed, 2 moving
	Maximum delimit opening	51 cm <i>20 in.</i>	51 cm <i>20 in.</i>
	Bottom knives	1 fixed	1 fixed
	Maximum delimit opening — single arm (if fitted)	63 cm <i>25 in.</i>	63 cm <i>25 in.</i>
<b>Control and Measuring System Options</b>		TimberRite	TimberRite

## OPTIONAL CONFIGURATIONS

<b>Felling/Cutting</b>	Saw type	Waratah 3/4	Waratah 3/4
	Maximum cutting diameter	55 cm <i>22 in.</i>	55 cm <i>22 in.</i>
	Bar and chain type	71 cm <i>28 in.</i>	71 cm <i>28 in.</i>
<b>Delimiting</b>	Maximum delimit opening (CTL configuration)	70 cm <i>28 in.</i>	70 cm <i>28 in.</i>
	Bottom knives	1 moving	1 moving
<b>Color-Marking System</b>		Optional	Optional

## CARRIER REQUIREMENTS

<b>Carrier Size Range</b>		18 to 22 tonne	18 to 22 tonne
<b>Hydraulic Requirements</b>	Maximum pressure	35 MPa <i>5,075 psi</i>	35 Mpa <i>5,075 psi</i>
	Useable pressure	32 MPa <i>4,641 psi</i>	32 Mpa <i>4,641 psi</i>
	Maximum flow	320–360 l/min. <i>85–95 US gal./min.</i>	320–360 l/min. <i>85–95 US gal./min.</i>
	*Optimum flow @ pressure	360 l/min. @ 15 MPa <i>95 gal. @ 2,207 psi</i>	360 l/min. @ 15 MPa <i>95 gal. @ 2,207 psi</i>

\*If optimum flow cannot be achieved, consider small motor option if available.

# HTH618C



## The HTH618C

When you're out in the woods, running back to the shop for a different piece of equipment isn't always an option. So you want to make sure what you've got is up to the job — it's one of the things that makes the Waratah HTH618C so attractive.

Building on the versatility, efficiency, and durability of the HTH616C, the HTH618C adds double bottom knives for increased stem coverage, resulting in improved delimiting or debarking quality (depending on the configuration).

Even with additional knives and topping saw, the HTH618C retains a short, robust chassis that can easily be positioned in tight spots while selective thinning or taking on the bent and ugly timber for which this series is famous.

## HTH618C TECHNICAL DATA

		Twin lower delimb	Twin lower delimb, top saw
<b>Dimensions</b>	Maximum feed-roller opening	68 cm 27 in.	68 cm 27 in.
	Width (maximum)	160 cm 63 in.	160 cm 63 in.
<b>Weight</b>	Excluding links and some options	1940 kg 4,268 lb.	2000 kg 4,400 lb.
<b>Butt Saw</b>	Saw type	Waratah 3/4	Waratah 3/4
	Maximum cutting diameter	55 cm 22 in.	55 cm 22 in.
	Bar	71 cm 28 in.	71 cm 28 in.
	Saw limiting	Available with SuperCut 100	Available with SuperCut 100
<b>Top Saw</b>	Saw type		0.404
	Maximum cutting diameter		32 cm 13 in.
	Bar and chain type		42 cm 17 in.
<b>Feed System</b>	Three feed rollers with full hydraulic synchro-drive	Various feed-wheel options available	Various feed-wheel options available
	Motor option 1 (drive arm motor/fixe drive motor)	500 cc/315 cc	500 cc/315 cc
	Motor option 2 (drive arm motor/fixe drive motor)	630 cc/400 cc	630 cc/400 cc
	Feed speed — maximum flow	5 m/sec. @ 290 l/min. 16.4 ft./sec. @ 76 gpm	5 m/sec. @ 290 l/min. 16.4 ft./sec. @ 76 gpm
<small>Note: Additional motor options may be available. Ask your dealer for additional information.</small>			
<b>Delimiting</b>	Top knives	1 fixed, 2 moving	1 fixed, 2 moving
	Maximum delimb opening	51 cm 20 in.	51 cm 20 in.
	Bottom knives	1 fixed, 2 moving	1 fixed, 2 moving
	Maximum delimb opening (twin arm)	65 cm 26 in.	65 cm 26 in.
<b>Control and Measuring System Options</b>		TimberRite	TimberRite

## OPTIONAL CONFIGURATIONS

<b>Felling/Cutting</b>	Saw type	Supercut 100	Supercut 100
	Maximum cutting diameter	55 cm 22 in.	55 cm 22 in.
	Bar and chain type	75-cm Jetfit 29-in. and 0.404-in. pitch	75-cm Jetfit 29-in. and 0.404-in. pitch
	Saw limiting	Standard	Standard
<b>Delimiting</b>	Maximum delimb opening (CTL configuration)	70 cm 28 in.	70 cm 28 in.
<b>Color-Marking System</b>		Optional	Optional

## CARRIER REQUIREMENTS

<b>Carrier Size Range</b>		18 to 22 tonne	18 to 22 tonne
<b>Hydraulic Requirements</b>	Maximum pressure	35 MPa 5,075 psi	35 MPa 5,075 psi
	Useable pressure	32 MPa 4,641 psi	32 MPa 4,641 psi
	Maximum flow	320–360 l/min. 85–95 US gal./min.	320–360 l/min. 85–95 US gal./min.
	*Optimum flow @ pressure	360 l/min. @ 15 MPa 95 gal. @ 2,207 psi	360 l/min. @ 15 MPa 95 gal. @ 2,207 psi

\*If optimum flow cannot be achieved, consider small motor option if available.

# HTH622B



## The HTH622B

The most popular heavy-duty, all-round harvester/processor head, the Waratah HTH622B is engineered to handle a wide range of applications — in the toughest conditions, the HTH622B is highly efficient in either stump-to-stump harvesting or roadside processing. Its find-end feature, topping saw, and TimberRite measuring system work together for extraordinarily accurate, intelligent processing results.

Other features include a stronger body design with strengthened hanging bracket and double shear pins. Plus we've redesigned the hydraulic system and provided additional clearance for the saw unit and higher visibility throughout the head. The HTH622B offers a fixed knife in the saw unit, along with a lockable front knife for debarking/delimiting.

With a synchronized three-wheel feed system to provide superior traction and speed while processing, the HTH622B is optimal in 56-centimeter (22-inch) diameter wood. This is a machine that can really cut it in the woods.

## HTH622B TECHNICAL DATA

<b>Dimensions</b>	Maximum feed-roller opening Width (maximum)	73 cm <i>29 in.</i> 170 cm <i>67 in.</i>
<b>Weight</b>	Excluding links and some options	2120 kg <i>4,664 lb.</i>
<b>Butt Saw</b>	Saw type Maximum cutting diameter Bar Saw limiting	Supercut 100 75 cm <i>29.5 in.</i> 82-cm <i>32.5-in. and 0.404-in. pitch</i> Standard
<b>Top Saw</b>	Saw type Maximum cutting diameter Bar and chain type	0.404 40 cm <i>16 in.</i> 59 cm <i>23 in.</i>
<b>Feed System</b>	Three feed rollers with full hydraulic synchro-drive Motor option 1 (drive arm motor/fixed drive motor) Feed speed — maximum flow <small>Note: Additional motor options may be available. Ask your dealer for additional information.</small>	Various feed-wheel options available 702 cc/400 cc 5.7 m/sec. @ 320 l/min. <i>18.7 ft./sec. @ 76 gpm</i>
<b>Delimiting</b>	Top knives Maximum delimit opening Bottom knives Maximum delimit opening — single arm (if fitted)	1 floating, 2 moving 64 cm <i>25 in.</i> 1 fixed 64 cm <i>25 in.</i>
<b>Control and Measuring System Options</b>		TimberRite

## OPTIONAL CONFIGURATIONS

<b>Felling/Cutting</b>	Saw type Maximum cutting diameter Bar and chain type No topping saw	Waratah 3/4 75 cm <i>30 in.</i> 80 cm <i>31 in.</i> Optional
<b>Delimiting</b>	Bottom knives	1 moving
<b>Color-Marking System</b>		Optional

## CARRIER REQUIREMENTS

<b>Carrier Size Range</b>		20 to 24 tonne
<b>Hydraulic Requirements</b>	Maximum pressure Useable pressure Maximum flow *Optimum flow @ pressure	35 MPa <i>5,075 psi</i> 32 MPa <i>4,641 psi</i> 300–320 l/min. <i>80–85 US gal./min.</i> 300 l/min. @ 15 MPa <i>80 gpm @ 2,207 psi</i>

\*If optimum flow cannot be achieved, consider small motor option if available.

Maximum oil flow 95 gpm/Optimum oil flow 80 gpm

# HTH623C



## The HTH623C

Power. Torque. Speed. We know these are words that get thrown around a lot. With the Waratah HTH623C Harvester Head, we made sure they're actually delivered.

With its large, high-torque feed motors, delimiting power, and great balance of feed speed, the HTH623C is born to perform with a 25-ton carrier. Its hydraulic design provides high-flow characteristics combined with low-pressure drop — for increased performance in any application and the toughest conditions.

Control. You get that, too. Thanks to the TimberRite measuring system, you'll have a wealth of data and information, a large color monitor (optional), and wireless data transfer at your command — which means you can run your business smarter and more efficiently than ever before.

The Waratah HTH623C; powerful delivery.

## HTH623C TECHNICAL DATA

<b>Dimensions</b>	Maximum feed-roller opening Width (maximum)	90 cm <i>35 in.</i> 200 cm <i>79 in.</i>
<b>Weight</b>	Excluding links and some options	2800 kg <i>6,160 lb.</i>
<b>Butt Saw</b>	Saw type Maximum cutting diameter Bar Saw limiting	Waratah 3/4 75 cm <i>30 in.</i> 80 cm <i>31 in.</i> Available with SuperCut 100
<b>Top Saw</b>	Saw type Maximum cutting diameter Bar and chain type	0.404 45 cm <i>18 in.</i> 64 cm <i>26 in.</i>
<b>Feed System</b>	Three feed rollers with full hydraulic synchro-drive Motor option 1 (drive arm motor/fixed drive motor) Motor option 2 (drive arm motor/fixed drive motor) Feed speed — maximum flow <small>Note: Additional motor options may be available. Ask your dealer for additional information.</small>	Various feed-wheel options available 837 cc/500 cc 1048 cc/630 cc 5.4 m/sec. @ 360 l/min. <i>18 ft./sec. @ 95 gpm</i>
<b>Delimiting</b>	Top knives Maximum delimit opening Bottom knives Maximum delimit opening — single arm (if fitted)	1 floating, 2 moving 70 cm <i>28 in.</i> 1 fixed 85 cm <i>33 in.</i>
<b>Control and Measuring System Options</b>		TimberRite

## OPTIONAL CONFIGURATIONS

<b>Felling/Cutting</b>	Saw type Maximum cutting diameter Bar and chain type Saw limiting No topping saw	Supercut 100 75 cm <i>29.5 in.</i> 90-cm Jetfit <i>32.5-in. and 0.404-in. pitch</i> Standard Optional
<b>Delimiting</b>	Bottom knives	1 moving
<b>Color-Marking System</b>		Optional

## CARRIER REQUIREMENTS

<b>Carrier Size Range</b>		22 to 29 tonne
<b>Hydraulic Requirements</b>	Maximum pressure Useable pressure Maximum flow *Optimum flow @ pressure	35 MPa <i>5,075 psi</i> 32 MPa <i>4,641 psi</i> 320–360 l/min. <i>80–85 US gal./min.</i> 360 l/min. @ 15 MPa <i>95 gpm @ 2,207 psi</i>

\*If optimum flow cannot be achieved, consider small motor option if available.

# HTH624C



## The HTH624C

Proven in medium to large wood harvesting and processing, Waratah's big-timber-tackling HTH624C can easily handle species such as radiata pine, poplar, and aspen — up to 81 centimeters (32 inches) in diameter. With its rugged frame, large synchronized feed rollers, incredible drive power, and precision delimiting quality, it's a highly productive processor — whether you're working at a landing or felling and processing at the stump.

You'll find a rear-mounted head module for increased protection and less shock load, increased top-saw cut capacity, superior hose routing, upsized main saw, strengthened hanging bracket, wider frame, and a number of feed-roller options. What's more, it's ready for the TimberRite control and measuring system, which gives you the accuracy you need for precision processing, even in extreme conditions.

The HTH624C is more durable than ever — to cut through just about anything that comes your way. Including your headaches.

## HTH624C TECHNICAL DATA

<b>Dimensions</b>	Maximum feed-roller opening Width (maximum)	85 cm <i>33 in.</i> 200 cm <i>79 in.</i>
<b>Weight</b>	Excluding links and some options	3386 kg <i>7,510 lb.</i>
<b>Butt Saw</b>	Saw type Maximum cutting diameter Bar Saw limiting	Waratah 3/4 81 cm <i>32 in.</i> 91 cm <i>38 in.</i> Available with SuperCut 100
<b>Top Saw</b>	Saw type Maximum cutting diameter Bar and chain type	0.404 50 cm <i>20 in.</i> 75 cm <i>30 in.</i>
<b>Feed System</b>	Three feed rollers with full hydraulic synchro-drive Motor option 1 (drive arm motor/fixed drive motor) Motor option 2 (drive arm motor/fixed drive motor) Feed speed — maximum flow <small>Note: Additional motor options may be available. Ask your dealer for additional information.</small>	Various feed-wheel options available 1048 cc/630 cc 1395 cc/800 cc 3.7 m/sec. @ 360 l/min. <i>12.1 ft./sec. @ 95 gpm</i>
<b>Delimiting</b>	Top knives Maximum delimit opening Bottom knives	1 floating, 2 moving 76 cm <i>30 in.</i> 1 fixed
<b>Control and Measuring System Options</b>		TimberRite

## OPTIONAL CONFIGURATIONS

<b>Felling/Cutting</b>	Saw type Maximum cutting diameter Bar and chain type Saw limiting No topping saw	Supercut 100 75 cm <i>29.5 in.</i> 90 cm <i>35-in. and 0.404-in. pitch</i> Standard Optional
<b>Delimiting</b>	Maximum delimit opening (CTL configuration) Bottom knives	
<b>Color-Marking System</b>		Option

## CARRIER REQUIREMENTS

<b>Carrier Size Range</b>		25 to 35 tonne
<b>Hydraulic Requirements</b>	Maximum pressure Useable pressure Maximum flow *Optimum flow @ pressure	35 MPa <i>5,075 psi</i> 32 MPa <i>4,641 psi</i> 360 l/min. <i>95 US gal./min.</i> 360 l/min. @ 15 MPa <i>95 gpm @ 2,207 psi</i>

\*If optimum flow cannot be achieved, consider small motor option if available.

# HTH626



## The HTH626

For harvesting and processing big wood, the Waratah HTH626 is unmatched in the industry. This durable harvester fells, delimits, crosscuts to exact length, and can tackle trees up to 86 centimeters (34 inches) in diameter. All this, plus it merchandises large and heavy yarded and decked wood to your exact mill specifications.

With its tough frame, large synchronized feed rollers, greater drive power, and precise delimiting pressure, the HTH626 will blow those stroke delimiters away. Its impressive list of features includes a superior grab arm, a 3/4-pitch 11H main saw, optional 10-millimeter (.404-inch) topping saw. What's more, it's ready for the TimberRite control and measurement system, which gives you the accuracy you need for precision processing, even in extreme conditions.

The Waratah HTH626 is ready to take on the big jobs. And get big results along the way.

## HTH626 TECHNICAL DATA

<b>Dimensions</b>	Maximum feed-roller opening Width (maximum)	98 cm <i>38 in.</i> 220 cm <i>87 in.</i>
<b>Weight</b>	Excluding links and some options	4720 kg <i>10,384 lb.</i>
<b>Butt Saw</b>	Saw type Maximum cutting diameter Bar	Waratah 3/4 86 cm <i>34 in.</i> 96 cm <i>38 in.</i>
<b>Top Saw</b>	Saw type Maximum cutting diameter Bar and chain type	0.404 40 cm <i>16 in.</i> 59 cm <i>23 in.</i>
<b>Feed System</b>	Three feed rollers with full hydraulic synchro-drive Motor option 1 (drive arm motor/fixed drive motor) Feed speed — maximum flow <small>Note: Additional motor options may be available. Ask your dealer for additional information.</small>	Various feed-wheel options available 1395 cc/800 cc 3.7 m/sec. @ 360 l/min. <i>12.1 ft./sec. @ 95 gpm</i>
<b>Delimiting</b>	Top knives Maximum delimit opening	1 floating, 2 moving 88 cm <i>35 in.</i>
<b>Control and Measuring System Options</b>		TimberRite

## OPTIONAL CONFIGURATIONS

<b>Color-Marking System</b>	Optional
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## CARRIER REQUIREMENTS

<b>Carrier Size Range</b>		35+ tonne
<b>Hydraulic Requirements</b>	Maximum pressure Useable pressure Maximum flow *Optimum flow @ pressure	35 MPa <i>5,075 psi</i> 32 MPa <i>4,641 psi</i> 360 l/min. <i>95 US gal./min.</i> 360 l/min. @ 15 MPa <i>95 gpm @ 2,207 psi</i>

\*If optimum flow cannot be achieved, consider small motor option if available.

# FL85



**The Waratah FL85** felling head gives you maximum versatility. It's a felling head, grapple, and saw — all in one. But this is no jack-of-all-trades, master-of-none. This well-engineered, highly productive attachment is made for major cutting and harvesting.

The efficient SuperCut 300 saw unit provides fast cutting cycles and a maximum felling diameter of 850 millimeters (33.5 inches.). The SuperCut saw unit's automatic chain lubrication and tensioning improves cutting performance and reduces maintenance time.

There's a hydraulic snubber for controlled side-to-side motion, high grapple-arm gripping force to hold the largest of trees, and a unique upper-boom link system for simple installation on log loaders, excavators, and feller bunchers.

What does all this mean in the woods? Harvesting standing and storm-damaged timber. Picking, sorting, and piling with one attachment. Fewer cuts on large timber. And minimal use of manual felling. In short, more of the things that make you productive — and less of what holds you back.

## FL85 TECHNICAL DATA

	Weight	1550 kg <i>3,410 lb.</i>
	Nominal cut capacity	850 mm <i>33.5 in.</i>
	Maximum gripping width	1100 mm <i>43.3 in.</i>
	Height	2053 mm <i>80.8 in.</i>
	Width	1822 mm <i>71.7 in.</i>
<b>IR22 Rotator</b>	Maximum load capacity	450 kN <i>101,165 lbf</i>
	Torque at 20 MPa <i>2,900 psi</i>	3300 Nm <i>2,435 ft.</i>
<b>Saw Hydraulic Requirements</b>	Flow (minimum)	200 l/min. <i>53 gpm</i>
	Flow (maximum)	220 l/min. <i>58 gpm</i>
	Pressure (minimum)	20 MPa <i>2,900 psi</i>
	Pressure (maximum)	25 MPa <i>3,600 psi</i>

# TimberRite

MEASURING CONTROL SYSTEMS



**When you rely on a Waratah harvester/processor** for day-to-day operations, you need to know you're getting maximum productivity for your investment. TimberRite measuring control systems — designed to complement the Waratah 200-, 400-, and 600-Series — let you manage your workload through intelligent control systems, real-time information access, and wireless data transfer. The TimberRite 30Lite and 30H can send and receive production information, machine settings, and harvesting instructions to and from virtually any professional system in the forestry business — all from the cab of your machine.

After its seamless installation on any carrier, TimberRite helps you monitor your harvester/processor head to ensure maximum productivity. It provides you with work and repair statistics so you can monitor uptime and operating costs. And with the optional color printer you can print production reports, worksite instructions, log tables, and more.

Offering you everything from email and a color printer to USB sticks, TimberRite turns your harvester into a high-tech office in the woods.



# TimberRite

MEASURING CONTROL SYSTEMS



## TimberRite 30H

Even if you're miles away from the office, the TimberRite 30H system brings technology to you. Everything from email — which allows you to receive and send production information, machine settings, and harvesting instructions regardless of your location— to conveniences like CD-ROM and a USB stick. Likewise, StanForD files ensure that data can interchange with virtually any professional system in the forestry business; data transfer is easy with a GSM or GPRS connection, a satellite phone, or a USB stick.

The TimberRite 30H system also optimizes the stem in terms of value bucking (dollar values per log sort) or using a limitation matrix. Creating estimates on total stem diameter, the system quickly learns the typical stem profiles within the tree stand and makes the most merchantable bucking choices for the mill.

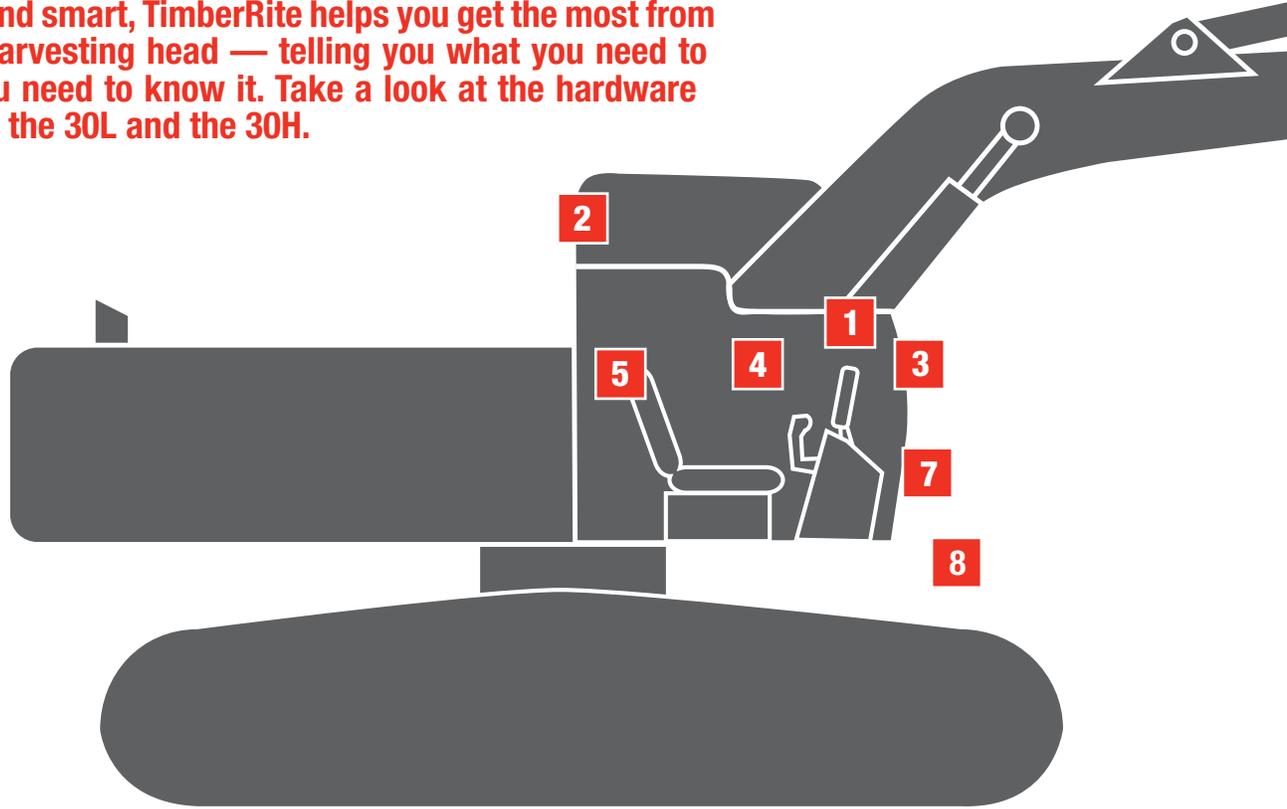
The TimberRite 30H features work and repair statistics to help you monitor uptime, productivity, and operating costs. And for easy data and information collection, you can plug a memory stick into the USB port and download all your production reports, worksite instructions, repair follow-ups, calibration history, log tables, and more — for information always at your fingertips.

Additionally, the TimberRite 30H system makes diagnostic tests on inputs, outputs, or sensors much simpler. It's all part of Waratah's effort to keep you updated and in charge — you don't have to wonder whether your machine is working to full capacity, and you can rest assured you're getting the most productivity for your time.

## TIMBERRITE PROPERTIES, DEVICES, AND OPTIONS

<b>Hardware:</b>	<b>TimberRite 30Lite</b>	<b>TimberRite 30H</b>
Harvester PC (HPC07) with 1.6-GHz processor and 1-GB RAM	Yes	Yes
Windows® XP Professional operating system	Yes	Yes
Hard-disc backup on DVD	Yes	Yes
Color TFT 10.4-in. display with 1024*768 resolution	Yes	Yes
Connections: CAN (2 pcs.), USB (4 pcs.), DMI (1 pc.), and Audio (1 pc.)	Yes	Yes
Keyboard and touchpad (with USB connection)	Yes	Yes
Memory-stick capable	Yes	Yes
Ink-jet printer	Optional	Optional
Electronic calipers	Optional	Optional
DVD drive (USB connection)	Optional	Optional
GPRS modem	No	Optional
GPS antenna (USB connection)	No	Optional
<b>Software:</b>		
Optimization with external application for cutting instructions	No	Yes
Preselection-based system with internal tool for cutting instructions	Yes	No
Multiple worksite handling	No	Yes
Production handling per operator	Yes	Yes
Work and repair statistics	Yes	Yes
Production reporting (file saving and printouts)	Yes	Yes
Email	No	Yes
Settings backup	Yes	Yes
Sound settings	Yes	Yes
Multi-language	Yes	Yes
Support for external applications (SilviA, TimberNavi, TimberLink, etc.)	No	Yes
Harvester-head settings	Yes	Yes
Diameter and length calibration	Yes	Yes
Diagnostics	Yes	Yes
Capability for manually switching off sensors	Yes	No
Support for both metric and imperial systems	Yes	Yes
Versatile top-saw features	Yes	Yes
Software-controlled filter indication	Optional	Optional
Capability for manual control of base machine leveling	Optional	Optional
Software support for heel-rack feature	Optional	No

Hard-working and smart, TimberRite helps you get the most from your Waratah harvesting head — telling you what you need to know, when you need to know it. Take a look at the hardware components for the 30L and the 30H.



### 1 Display Module

- 26.4-centimeter monitor
- Colorful and clear graphical user interface
- PC keyboard and touchpad mouse



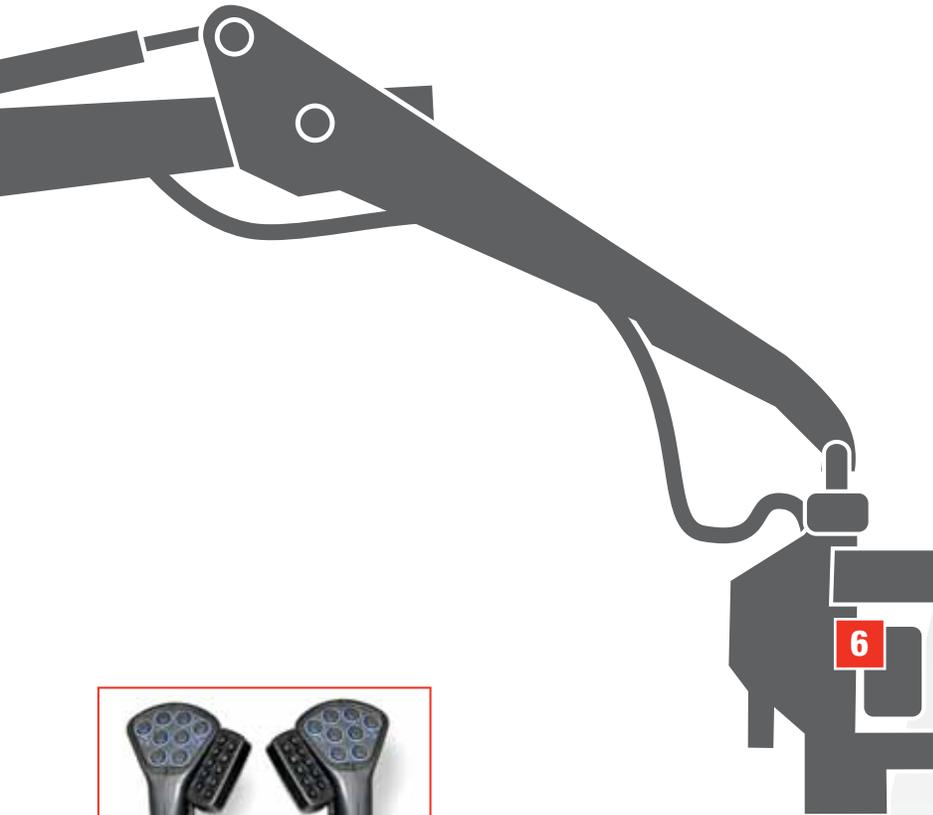
### 2 CPU Module and Key Switch

- CPU (Central Processing Unit)
- PC-based system (with key switch)
- Windows operating system
- Intel® Pentium 1.6-GHz mobile processor
- Compact Flash (512 MB to 8 GB) or rotating hard disc (2.5 inches, < 40 GB)
- 2 x CAN connections
- 3 x data-transfer ports
- Connections for keyboard, mouse, and printer
- 4 x USB ports
- 2 x Video-In connections
- Email and GPS (option)



### 3 Joystick Module

- Module for SureGrip and Danfoss joysticks
- Converts key signals into CAN Bus signals



**SureGrip or Danfoss Joysticks**

- For comfortable control of harvester head functions
- Harvester head control switches
- Preselection keypads
- Programmable joystick buttons

**CrossFire Module**

- Controls base machine pumps
- 24-volt power supply

**Harvester Head Module (HHM)**

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

**USB Stick**

- Enables convenient data storage and file transfer between machines and worksites

**Color Printer (option)**

- Color printouts for production, calibration data, work statistics, etc.

# Work hard. And smart.

Waratah provides forestry products and equipment that are every bit as tough as your workday is long. Equipment that performs, no matter what you and the woods throw at it. We've been at this with you for more than 30 years now, and we intend to keep working with you for many more. How will we get there? By listening to customers like you. Focusing on innovation. And, most importantly, by always providing unsurpassed levels of support to you, our customer.

