HARVESTING/PROCESSING HEADS

waratah

600 SERIES

It's no coincidence that Waratah has been an industry-leader for over 40 years. Because we've always listened to you to design durable, more productive and efficient harvesting and processing heads proven for your application.

At our facilities in Finland and New Zealand, each head is made to order, so you get exactly what you need. Our heads are built to work with advanced technology providing precise control with accurate diameter and length measuring. With on-site facility testing, each product is proven on our time to be profitable on yours.

Our commitment to your success goes beyond product quality. When you put our heads to work, our global support network goes to work for you – from helping you choose the right head, to installation and startup, to being on site when you need us.

We offer the widest range of harvester/processor heads on the market. So whether you're harvesting at the stump, processing at the landing or somewhere in between, Waratah is built to work for you all over the world.

"I think Waratahs are the toughest out there. We put a lot of demand on them."

Ben Reed, Wayne Stone Logging

waratah
HTH624C
waratah

600 SERIES

Proven in hardwood and softwood applications, Waratah 600-Series harvesters balance toughness with precision.

High load-bearing hanging bracket and rotator
High performance and efficient valves
Easy to service and well-protected hydraulics
Accurate length measuring in single- or multi-stem applications with many optional wheel styles
Standard top saws in .404 or 3/4" pitch
Optional floating or fixed heavy-duty front knives
Advanced delimb geometry for fast picking and stem catching
Heavy-duty cast and fabricated delimb arms with wear-resistant replaceable knife inserts
Proportional soft clamping for delimb and drive arms for less friction and fuel burn
Feed wheel options to suit any application
waratah
HTH625C

HTH616C

Whether you're harvesting, processing or debarking, the versatile HTH616C is quick to handle the task. Although its size is compact, it boasts a large cutting capacity.

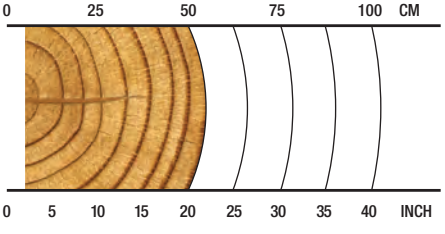
OVERVIEW

Harvesting in early-to-late thinnings; productive processing or debarking.

APPLICATIONS

Hardwood harvesting/processing
Softwood harvesting/processing
Debarking
Multi-tree processing
Multi-tree harvesting
Early thinnings
Late or final thinnings/clear felling

RECOMMENDED RANGE



5-51 cm / 2-20 in.

SPECS

1800 kg / 3,968 lb.
Net Weight

35 MPa / 5,076 psi
Hydraulic Requirements

510 mm / 20 in.
Max Delimb Opening

680 mm / 26.7 in.
Max Feed Roller Opening

550 mm / 21.7 in.
Maximum Sawing Capacity

18-24 metric ton
Carrier Size

HTH618C

When it comes to superior delimbing quality, the agile HTH618C is perfectly equipped. Its twin lower delimb arms balance productivity with control.

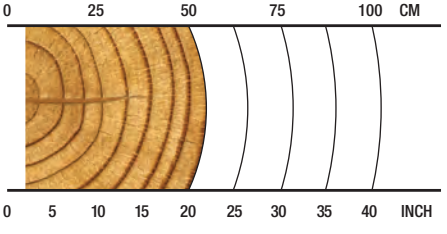
OVERVIEW

Harvesting in early-to-late thinnings; productive processing or debarking.

APPLICATIONS

Hardwood harvesting/processing
Softwood harvesting/processing
Debarking
Multi-tree harvesting
Early thinnings
Late or final thinnings/clear felling

RECOMMENDED RANGE



5-51 cm / 2-20 in.

SPECS

2000 kg / 4409 lb.
Net Weight

35 MPa / 5,076 psi
Hydraulic Requirements

510 mm / 20 in.
Max Delimb Opening

680 mm / 26.7 in.
Max Feed Roller Opening

550 mm / 21.7 in.
Maximum Sawing Capacity

20-25 metric ton
Carrier Size

HTH622B

Versatility is maximized with the heavy-duty HTH622B. Equipped with exceptional drive power, this popular three-roller model is the ideal size for a variety of applications and can handle the toughest conditions.

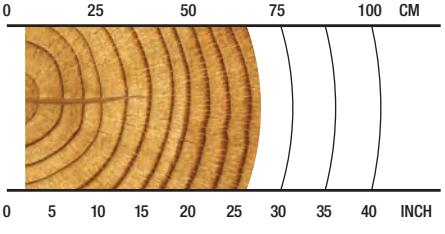
OVERVIEW

Harvesting in late thinnings or final harvesting of large timber (head-appropriate), hardwood or softwood; some debarking.

APPLICATIONS

Hardwood harvesting/processing
Softwood harvesting/processing
Debarking
Multi-tree harvesting
Early thinnings
Late or final thinnings/clear felling

RECOMMENDED RANGE



5-66 cm / 2-26 in.

SPECS

2300 kg / 5,070 lb.
Net Weight

32 MPa / 4,641 psi
Hydraulic Requirements

675 mm / 26.6 in.
Max Delimb Opening

720 mm / 28.3 in.
Max Feed Roller Opening

750 mm / 29.5 in.
Maximum Sawing Capacity

24-30 metric ton
Carrier Size

HTH622C 4x4

The HTH622C 4X4 takes productivity and efficiency to a higher level with capabilities including multi-tree processing and independent log shuffling – minimizing waste and maximizing your profits.

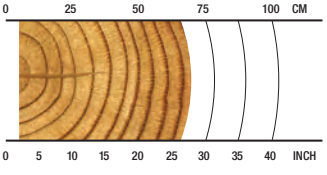
OVERVIEW

Processing of large diameter timber from log deck; harvesting in late thinnings; final felling of large timber (head appropriate).

APPLICATIONS

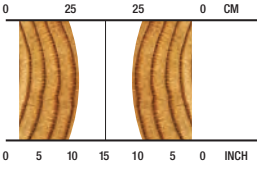
Hardwood harvesting/processing
Softwood harvesting/processing
Shovel logging
Late or final thinnings/clear felling
Multi-tree processing

SINGLE STEM RECOMMENDED RANGE



5-66 cm / 2-26 in.

MULTI- STEM RECOMMENDED RANGE (2 LOGS)



5-28 cm / 2-11 in.

SPECS

2740 kg / 6,040 lb.
Net Weight

35 MPa / 5,076 psi
Hydraulic Requirements

675 mm / 26.6 in.
Max Delimb Opening

780 mm / 31 in.
Max Feed Roller Opening

700 mm / 27.6 in.
Maximum Sawing Capacity

25-35 metric ton
Carrier Size

HTH623C

Productivity abounds with this over-achiever. The perfect match to a 25-ton carrier, the HTH623C provides exceptional power to weight in its proven durable design – achieving supreme feeding speeds, log control and agility – making short work of the toughest applications.

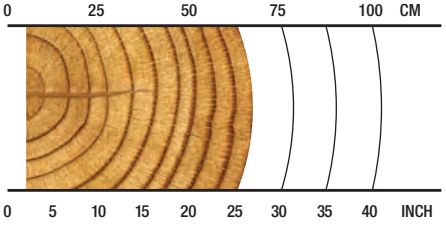
OVERVIEW

Harvesting in late thinnings; final felling of large timber (head-appropriate), hardwood or softwood; some debarking.

APPLICATIONS

Hardwood harvesting/processing
Softwood harvesting/processing
Debarking
Shovel logging
Late or final thinnings/clear felling

RECOMMENDED RANGE



5-69 cm / 2-27 in.

SPECS

3050 kg / 6,724 lb.
Net Weight

35 MPa / 5,076 psi
Hydraulic Requirements

700 mm / 27.5 in.
Max Delimb Opening

900 mm / 35.4 in.
Max Feed Roller Opening

750 mm / 29.5 in.
Maximum Sawing Capacity

25-34 metric ton
Carrier Size

HTH624C

Work confidently with the rugged and reliable HTH624C. Equipped with a premium valve, this highly productive processor cuts through any challenges – including big timber.

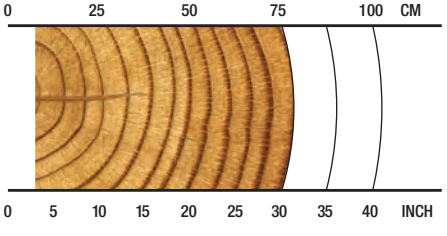
OVERVIEW

Harvesting in late thinnings; final felling of large timber (head-appropriate), hardwood or softwood.

APPLICATIONS

Hardwood harvesting/processing
Softwood harvesting/processing
Shovel logging
Late or final thinnings/clear felling

RECOMMENDED RANGE



8-76 cm / 3-30 in.

SPECS

3450 kg / 7,606 lb.
Net Weight

35 MPa / 5,076 psi
Hydraulic Requirements

760 mm / 30 in.
Max Delimb Opening

850 mm / 33.5 in.
Max Feed Roller Opening

810 mm / 32 in.
Maximum Sawing Capacity

30+ metric ton
Carrier Size

HTH624C 4x4

Perfectly suited for 27+ metric-ton machines, this four-wheel drive, four-roller head is equally comfortable single stemming large logs or multi-stemming on-demand. Known for exceptional agility and log handling for its size, a large cutting capacity and outstanding traction, the HTH624C 4x4 boosts productivity in demanding applications.

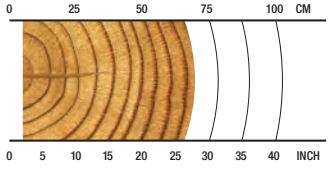
OVERVIEW

Harvesting in late thinnings; final felling of large timber (head-appropriate), hardwood or softwood.

APPLICATIONS

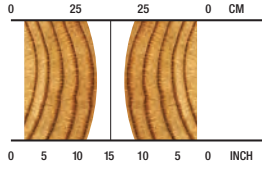
Hardwood harvesting/processing
Softwood harvesting/processing
Shovel logging
Late or final thinnings/clear felling

SINGLE STEM RECOMMENDED RANGE



5-71 cm / 2-28 in.

MULTI- STEM RECOMMENDED RANGE (2 LOGS)



5-33 cm / 2-13 in.

SPECS

3350 kg / 7,385 lb.
Net Weight

35 MPa / 5,076 psi
Hydraulic Requirements

710 mm / 28 in.
Max Delimb Opening

875 mm / 34.4 in.
Max Feed Roller Opening

825 mm / 32.5 in.
Maximum Sawing Capacity

27+ metric ton
Carrier Size

HTH625C

The aggressive HTH625C optimizes productivity with impressive log control. This high-performer flies through timber with great log handling with twin lower delimb arms.

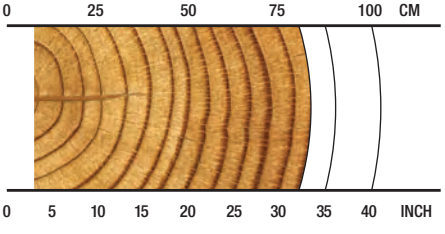
OVERVIEW

Harvesting in late thinnings; final felling of large timber (head-appropriate), hardwood or softwood.

APPLICATIONS

Hardwood harvesting/processing
Softwood harvesting/processing
Shovel logging
Late or final thinnings/clear felling

RECOMMENDED RANGE



8-81 cm / 3-32 in.

SPECS

4250 kg / 9,370 lb.
Net Weight

35 MPa / 5,076 psi
Hydraulic Requirements

800 mm / 31.5 in.
Max Delimb Opening

850 mm / 33.5 in.
Max Feed Roller Opening

900 mm / 35.4 in.
Maximum Sawing Capacity

30+ metric ton
Carrier Size

HTH626 SERIES-II

Large timber is no match for the tough HTH626 Series II, specifically designed to dominate large-diameter wood for felling, delimbing and processing.

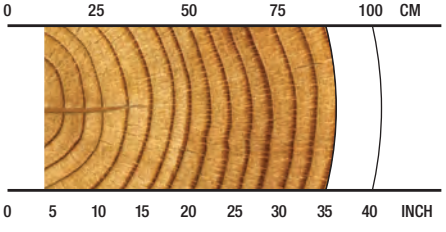
OVERVIEW

Final felling or harvesting of large timber; optimum delimbing force.

APPLICATIONS

Softwood harvesting/processing
Shovel logging
Late or final thinnings/clear felling

RECOMMENDED RANGE



10-88 cm / 4-35 in.

SPECS

4750 kg / 10,471 lb.
Net Weight

35 MPa / 5,076 psi
Hydraulic Requirements

880 mm / 34.6 in
Max Delimb Opening

980 mm / 38.6 in.
Max Feed Roller Opening

860 mm / 34 in.
Maximum Sawing Capacity

35+ metric ton
Carrier Size

FL85 SERIES-II

Whether you're tethered on steep slope, or just looking for a heavy-duty mid-range felling head, the versatile FL85 Series -II has just the right weight for stability on steep ground, a large cutting capacity and grapple — this durable, multi-use head provides a productivity boost in any felling application.

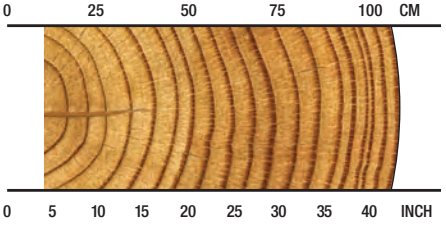
OVERVIEW

Thinnings, steep slope, shovel logging, topping, storm damage, clean-up.

APPLICATIONS

Shovel logging
Early thinnings
Late or final thinnings/clear felling
Topping
Storm damage
Steep slope

RECOMMENDED RANGE



10-110 cm / 4-43 in.

SPECS

1747 kg / 3,851 lb.
Net Weight

25 MPa / 3,625 psi
Hydraulic Requirements

1100 mm / 43.3 in.
Max Grapple Opening

925 mm / 36 in.
Maximum Sawing Capacity

20-27 metric ton
Carrier Size

FL95

Steep slope-specific tilt design allows felling on 65 degrees without hitting stops.

Optional retractable saw box utilizing full grapple capabilities when shovel logging.

Saw box positioned in felling mode. Provides maximum cutting capacity.

Purpose-built for steep slope applications, the FL95 seamlessly boosts productivity with an optional retractable saw box that is just where you need it when felling, or out of the way when shovel logging. Plus with its broad downslope working envelope, large cutting and extra-large grapple capacities, you'll minimize effort and maximize efficiency.

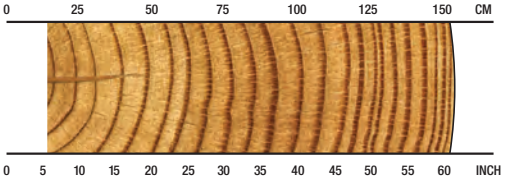
OVERVIEW

Thinnings, steep slope, shovel logging, topping, storm damage, clean-up.

APPLICATIONS

Shovel logging
Late or final thinnings/clear felling
Topping
Storm damage
Steep slope

RECOMMENDED RANGE



14-158* cm / 5.5-62.2* in.

*with optional retractable saw box

SPECS

2620 kg / 5,776 lb.**
Net Weight

35 MPa / 5,076 psi
Hydraulic Requirements

1580 mm / 62 in.
Max Grapple Opening

1000 mm / 39 in.
Maximum Sawing Capacity

30+ metric ton
Carrier Size

** Weight is 2480 kg / 5,467 lb. with Fixed Saw

MEASURING AND CONTROL SYSTEMS

We focus on providing you with accurate diameter and length measuring systems for profitable precision. Simplify operations and boost productivity with real-time statistics and measuring information, and wireless data transfer.

TIMBERRITE 30L

KEY FEATURES

- PC-based system integrates control of the harvester/processor head with the measure and bucking of timber.
- Memory for an unlimited number of sites; personal settings for up to six operators.
- Optimizes using length plus large-end (LED) or small-end (SED) diameter logic, incorporating eight species, 40 pre-selections per species.
- Individual species calibration and individual species soft clamping settings of delimb and drive arms.
- Monitor uptime, productivity and operating costs with work and repair statistics.
- Download production reports, worksite instructions, repair follow-ups, calibration history, log tables and more.
- Transfer data with our WaratahMate™ app, email or USB stick.
- Simplified diagnostic tests with built-in diagnostic troubleshooting of all inputs, outputs and sensors.

TIMBERRITE 30H

KEY FEATURES

- Full optimizing of each log, prioritizing by assigned price to maximize log value.
- Send and receive production information, machine settings and harvesting instructions via email regardless of your location.
- StanForD files ensure data interchange with other professional systems in the forestry business.
- Monitor uptime, productivity and operating costs with work and repair statistics.
- Download production reports, worksite instructions, repair follow-ups, calibration history, log tables and more.
- Transfer data with our WaratahMate™ app, email or USB stick.
- Simplified diagnostic tests with built-in diagnostic troubleshooting of all inputs, outputs and sensors.

COMPONENTS

Display Module
26.4 cm / 10.4 in.: XGA (1024x768) Touch screen display, includes integrated controller with flash drive. Optional 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

WaratahMate™ smartphone application, email or USB stick
Conveniently transfer files

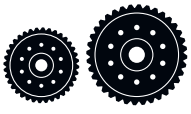
OPTIONS

Waratah heads are configurable to your application.
Consult your dealer for option availability.

Configurability
Waratah has a wide range of focused options for harvesting and processing applications including single- and multi-stem processing, multi-tree handling, and all models include options for softwood, crooked hardwood and debarking.

Main Saws, Saw Motors, Top Saws
The 600 series have high-cutting capacity main saws for extra productivity in large wood. Select models have .404 and 3/4" pitch chain options; all main saws include auto chain tensioning and are driven by durable and efficient high torque saw motors. The top saws increase productivity in any processing and crooked wood applications and are standard equipment on all 600 series models.

Delimb Arms
Select models can be configured for more productivity and log quality enhancements with specific harvesting or processing upper delimb arms, and single or twin lower delimb options. All have durable, pre-formed hardened steel replaceable knife inserts.



Feed Rollers
Many feed roller options are available for a variety of applications, offering improved traction and reducing fiber damage. Wheel options include eucalyptus debarking, bar, thumbnail, alpine, rubber, MenSe and non-aggressive styles.

Front Knives
Waratah offers heavy-duty floating or fixed front knife options with specialized profiles and cutting edges for superior delimbing in any application.

Color Marking
Waratah offers nozzle-applied color marking systems to simplify log identification. Three colors provide many assortment combinations to either the small or large ends, improving sorting and yard safety.

Measuring Wheels
Application-specific measuring wheels are engineered for accurate and consistent measuring in all tree species with enhancements for log quality. Selections include wide and narrow models, coarse and fine teeth options, and multi-stem, debarking configurations.

Rotators
Waratah offers a productive 360-degree continuous rotation on all of the 600 series models, with options of hoses through the rotate unit or from the side. It assures a cleaner look and more uptime. Also included are options of non-continuous 320-degree and Indexator brand options on select models.

Multi-tree Handling
Select models have multi-tree handling (MTH) capabilities, providing superior accumulating and precise bundle feeding with the option. MTH ability increases productivity and can easily be installed between the rotator and hanging bracket – even on existing heads.

Talk to your Waratah dealer about more available options.

waratah
HTH622C

TECHNICAL DATA 600 SERIES

	HTH616C	HTH618C	HTH622B
DIMENSIONS			
Width, head open (mm/in.)	1600 / 63	1600 / 63	1700 / 67
WEIGHT			
Excluding link and some options (kg/lb.)	1800 / 3,968	2000 / 4,409	2300 / 5,070
ROTATION			
	360 continuous or 320 degree	360 continuous or 320 degree	360 continuous or 320 degree
DELIMBING			
Delimbing knives	1 fixed front, 2 moving*, 1 fixed rear (*option for single lower delimb)	1 fixed front, 4 moving, 1 fixed rear	1 fixed/floating, 2 moving*, 1 fixed rear (*option for single lower delimb)
Lower delimb (standard/option, (qty))	option, 1	standard, 2	option, 1
Maximum delimb opening processing arms or felling head grapple opening (mm/in.)	510 / 20	510 / 20	675 / 26.6
Maximum delimb opening CTL arms (mm/in.)	700 / 27.5	700 / 27.5	
Maximum opening lower knives (mm/in.)	630 / 24.8	650 / 25.6	640 / 25.2
DRIVE			
Quantity drive rollers	3	3	3
Motor cc - option 1 (drive, fixed)	(500,315)	(500,315)	(702,400)
Maximum feed speed (m/s, ft/s)	6.5-8.0 / 21-26	6.5-8.0 / 21-26	5.4 / 18
Maximum roller opening (mm/in.)	680 / 26.7	680 / 26.7	720 / 28.3
Motor cc - option 2 (drive, fixed)	(630,400)	(630,400)	
Minimum feed arm diameter (mm/in.)	50 / 2	50 / 2	50 / 2
TOP SAW			
Maximum cut diameter (mm/in.)	320 / 12.5	320 / 12.5	400 / 16
Length of saw bar (mm/in.)	420 / 16.5	420 / 16.5	640 / 25
Chain type (in.)	0.404	0.404	0.404
Top saw motor displacement	10 cc	10 cc	10 cc
BUTT / FELLING SAW			
Standard Saw	SC100	Waratah AT 3/4"	SC100
Maximum cut diameter (mm/in.)	550 / 21.7	550 / 21.7	750 / 29.5
Length of saw bar (mm/in.)	750 / 29.5	750 / 29.5	900 / 35.4
Chain type (in.)	0.404	3/4"	0.404
Saw motor	3/4" - 45 cc & .404 -19 cc	3/4" - 45 cc	3/4" - 45 cc
Oil tank capacity (L/gal.)	10 / 2.6	10 / 2.6	12 / 3.2
CARRIER RANGE			
Metric tons	18-24 metric tons	20-25 metric tons	24-30 metric tons
HYDRAULIC SYSTEM			
Maximum operating pressure (MPa/psi)	35 / 5,076	35 / 5,076	32 / 4,641
Maximum pump capacity (L/min.,gal./min.)	320-360 / 85-95	320-360 / 85-95	300-320 / 79-85
CONTROL AND MEASURING SYSTEM	**TimberRite, TR100**	**TimberRite, TR100**	**TimberRite, TR100**
OPTIONAL EQUIPMENT			
Optional Butt Saw	Waratah AT 3/4"	SC100	Waratah AT 3/4"
Maximum cut diameter (cm/in.)	55 / 22	55 / 22	81 / 32
Length of saw bar (cm/in.)	74 / 29	75 / 29	80 / 31
Optional Top Saw			
Maximum cut diameter (cm/in.)			
Length of saw bar (cm/in.)			
No top saw	yes	yes	yes
Continuous 360-degree rotation	yes	yes	yes
Color marking	no	no	yes
Multi-tree harvesting	yes	yes	no
Multi-tree processing	yes	yes	no
Fabricated processing upper delimb arms	yes	yes	no
Cast processing upper delimb arms	yes	yes	yes
Harvesting (CTL) upper delimb arms	yes	yes	no
MenSe feed rollers	yes	yes	yes
Debarking feed rollers	yes	yes	yes
Steel thumbnail feed rollers	yes	yes	yes
Alpine	yes	yes	yes
Non-aggressive fixed roller	no	no	yes
Steel ribbed feed rollers	no	no	yes

This brochure 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.

	HTH622C 4x4	HTH623C	HTH624C
DIMENSIONS			
Width, head open (mm/in.)	1820 / 72	2000 / 79	2000 / 79
WEIGHT			
Excluding link and some options (kg/lb.)	2740 / 6,040	3050 / 6,724	3450 / 7,606
ROTATION			
	360 continuous or 320 degree	360 continuous or 320 degree	360 continuous or 320 degree
DELIMBING			
Delimbing knives	1 fixed/floating, 2 moving, 1 fixed rear	1 fixed/floating, 2 moving*, 1 fixed rear (*option for single lower delimb)	1 floating, 2 moving, 1 fixed rear
Lower delimb (standard/option, (qty))		option, 1	
Maximum delimb opening processing arms or felling head grapple opening (mm/in.)	675 / 26.6	700 / 27.5	760 / 30
Maximum delimb opening CTL arms (mm/in.)			700 / 27.5
Maximum opening lower knives (mm/in.)		850 / 33.5	
DRIVE			
Quantity drive rollers	4	3	3
Motor cc - option 1 (drive, fixed)	(702,400)	(837,500)	(1048,630)
Maximum feed speed (m/s, ft/s)	6.5 / 21	4.7-5.2 / 15.4-17	4.7 / 15.4
Maximum roller opening (mm/in.)	780 / 31	900 / 35.4	850 / 33.5
Motor cc - option 2 (drive, fixed)		(1048,630)	
Minimum feed arm diameter (mm/in.)	50 / 2	60 / 2.4	80 / 3
TOP SAW			
Maximum cut diameter (mm/in.)	400 / 16	450 / 18	500 / 20
Length of saw bar (mm/in.)	640 / 25	590 / 23	750 / 29.5
Chain type (in.)	0.404	0.404	0.404
Top saw motor displacement	10 cc	19 cc	20 cc
BUTT / FELLING SAW			
Standard Saw	Waratah AT 3/4	Waratah AT 3/4	Waratah AT 3/4
Maximum cut diameter (mm/in.)	700 / 27.6	750 / 29.5	810 / 32
Length of saw bar (mm/in.)	900 / 35.4	900 / 35.4	965 / 38
Chain type (in.)	3/4"	0.404	3/4"
Saw motor	50 cc	3/4" - 45 cc	50 cc
Oil tank capacity (L/gal.)	16 / 4.2	16 / 4.2	16 / 4.2
CARRIER RANGE			
Metric tons	25-35 metric tons	25-34 metric tons	30+ metric tons
HYDRAULIC SYSTEM			
Maximum operating pressure (MPa/psi)	35 / 5,076	35 / 5,076	35 / 5,076
Maximum pump capacity (L/min.,gal./min.)	320-360 / 85-95	320-360 / 85-95	320-360 / 85-95
CONTROL AND MEASURING SYSTEM	**TimberRite, TR100**	**TimberRite, TR100**	**TimberRite, TR100**
OPTIONAL EQUIPMENT			
Optional Butt Saw	SC100	SC100	SC100
Maximum cut diameter (cm/in.)	75 / 29.5	75 / 29.5	75 / 29.5
Length of saw bar (cm/in.)	90 / 35.4	90 / 35	90 / 35
Optional Top Saw			Waratah 3/4"
Maximum cut diameter (cm/in.)			50.8 / 20
Length of saw bar (cm/in.)			73.6 / 29
No top saw	no	no	no
Continuous 360-degree rotation	yes	yes	yes
Color marking	yes	yes	yes
Multi-tree harvesting	no	no	no
Multi-tree processing	yes	no	no
Fabricated processing upper delimb arms	yes	yes	no
Cast processing upper delimb arms	yes	yes	yes
Harvesting (CTL) upper delimb arms	no	no	no
MenSe feed rollers	yes	yes	yes
Debarking feed rollers	yes	yes	no
Steel thumbnail feed rollers	yes	yes	yes
Alpine	yes	yes	yes
Non-aggressive fixed roller	no	yes	no
Steel ribbed feed rollers	no	no	no

TECHNICAL DATA 600 SERIES

	HTH624C 4x4	HTH625C	HTH626 SERIES II
DIMENSIONS			
Width, head open (mm/in.)	2000 / 79	2000 / 79	2200 / 87
WEIGHT			
Excluding link and some options (kg/lb.)	3530 / 7,782	4250 / 9,370	4750 / 10,471
ROTATION			
	360 continuous	360 continuous or 320 degree	360 continuous or 320 degree
DELIMBING			
Delimbing knives	1 fixed,/1 floating, 2 moving*, 1 fixed rear (*option for single lower delimb)	1 floating, 4 moving	1 floating, 2 moving
Lower delimb (standard/option, (qty))		standard, 2	
Maximum delimb opening processing arms or felling head grapple opening (mm/in.)	710 / 28	800 / 31.5	880 / 34.6
Maximum delimb opening CTL arms (mm/in.)	865 / 34	700 / 27.5	
Maximum opening lower knives (mm/in.)		890 / 35	
DRIVE			
Quantity drive rollers	4	3	3
Motor cc - option 1 (drive, fixed)	(1048,630)	(1395,800)	(1395,800)
Maximum feed speed (m/s, ft/s)		4 / 13	4 / 13
Maximum roller opening (mm/in.)	875 / 34.4	850 / 33.5	980 / 38.6
Motor cc - option 2 (drive, fixed)			
Minimum feed arm diameter (mm/in.)	60 / 2.4	80 / 3	100 / 4
TOP SAW			
Maximum cut diameter (mm/in.)	572 / 22	500 / 20	400 / 16
Length of saw bar (mm/in.)	531 / 21	740 / 29	590 / 23
Chain type (in.)	0.404	3/4"	0.404
Top saw motor displacement	20 cc	20 cc	19 cc
BUTT / FELLING SAW			
Standard Saw	Waratah AT 3/4	Waratah AT 3/4	Waratah AT 3/4
Maximum cut diameter (mm/in.)	825 / 32.5	900 / 35.4	860 / 34
Length of saw bar (mm/in.)	1040 / 40	1020 / 40	960 / 38
Chain type (in.)	3/4"	3/4"	3/4"
Saw motor	50 cc	50 cc	45 cc
Oil tank capacity (L/gal.)	16 / 4.2	22 / 5.8	25 / 6.6
CARRIER RANGE			
Metric tons	27+ metric tons	30+ metric tons	35+ metric tons
HYDRAULIC SYSTEM			
Maximum operating pressure (MPa/psi)	35 / 5,076	35 / 5,076	35 / 5,076
Maximum pump capacity (L/min.,gal./min.)	320-360 / 85-95	320-360 / 85-95	320-360 / 85-95
CONTROL AND MEASURING SYSTEM	**TimberRite, TR100**	**TimberRite, TR100**	**TimberRite, TR100**
OPTIONAL EQUIPMENT			
Optional Butt Saw			
Maximum cut diameter (cm/in.)			
Length of saw bar (cm/in.)			
Optional Top Saw	Waratah 3/4"	Waratah 3/4"	
Maximum cut diameter (cm/in.)	57.2 / 22	50.8 / 20	
Length of saw bar (cm/in.)	73.6 / 29	73.6 / 29	
No top saw	no	no	yes
Continuous 360-degree rotation	yes	yes	yes
Color marking	yes	yes	yes
Multi-tree harvesting	no	no	no
Multi-tree processing	yes	no	no
Fabricated processing upper delimb arms	yes	yes	yes
Cast processing upper delimb arms	yes	no	no
Harvesting (CTL) upper delimb arms	no	no	no
MenSe feed rollers	no	yes	yes
Debarking feed rollers	no	no	yes
Steel thumbnail feed rollers	yes	yes	no
Alpine	yes	yes	yes
Non-aggressive fixed roller	yes	no	no
Steel ribbed feed rollers	no	no	no

This brochure 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.

	FL85 SERIES-II	FL95	
DIMENSIONS			
Width, head open (mm/in.)	1822 / 71.7	2100 / 83	
WEIGHT			
Excluding link and some options (kg/lb.)	1747 / 3,851	2620 / 5,776	2480 / 5,467*
ROTATION			(*fixed saw)
	360 continuous	360 continuous	
DELIMBING			
Delimbing knives			
Lower delimb (standard/option, (qty))			
Maximum delimb opening processing arms or felling head grapple opening (mm/in.)	685 / 27	1580 / 62	
Maximum delimb opening CTL arms (mm/in.)			
Maximum opening lower knives (mm/in.)			
DRIVE			
Quantity drive rollers			
Motor cc - option 1 (drive, fixed)			
Maximum feed speed (m/s, ft/s)			
Maximum roller opening (mm/in.)			
Motor cc - option 2 (drive, fixed)			
Minimum feed arm diameter (mm/in.)			
TOP SAW			
Maximum cut diameter (mm/in.)			
Length of saw bar (mm/in.)			
Chain type (in.)			
Top saw motor displacement			
BUTT / FELLING SAW			
Standard Saw	SuperCut 300		
Maximum cut diameter (mm/in.)	925 / 36	1000 / 39	
Length of saw bar (mm/in.)	1130 / 44.5	1092 / 43	
Chain type (in.)	3/4"	3/4"	
Saw motor			
Oil tank capacity (L/gal.)	43 / 11.3	22 / 5.8	
CARRIER RANGE			
Metric tons	20-27 metric tons	30+ metric tons	
HYDRAULIC SYSTEM			
Maximum operating pressure (MPa/psi)	25 / 3,625	35 / 5,076	
Maximum pump capacity (L/min.,gal./min.)	220 / 58	200 / 53	
CONTROL AND MEASURING SYSTEM			
OPTIONAL EQUIPMENT			
Optional Butt Saw			
Maximum cut diameter (cm/in.)			
Length of saw bar (cm/in.)			
Optional Top Saw			
Maximum cut diameter (cm/in.)			
Length of saw bar (cm/in.)			
No top saw			
Continuous 360-degree rotation			
Color marking			
Multi-tree harvesting			
Multi-tree processing			
Fabricated processing upper delimb arms			
Cast processing upper delimb arms			
Harvesting (CTL) upper delimb arms			
MenSe feed rollers			
Debarking feed rollers			
Steel thumbnail feed rollers			
Alpine			
Non-aggressive fixed roller			
Steel ribbed feed rollers			

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FORESTRY EQUIPMENT

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