

The PONSSE logo is displayed in a yellow, segmented font at the top center of the image. The background is a dark, atmospheric forest scene featuring a yellow PONSSE harvester with a grapple holding a log, and a large stack of cut logs in the foreground. The overall lighting is dim, with some machine lights providing a slight glow.

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TECHNICAL DATA

Technical data, H8HD

	H8HD	H8HD top saw
Weight, min. (without rotator)	1450 kg	1650kg / 3638 lb
Length	1560 mm	1765mm / 69,5 in
Height w/o rotator.	1690 mm	1910 mm /75,2 in
Width	1650 mm	
Power consumption	130-140 kW	
Operating pressure	28 Mpa	
Oil flow requirement	300 l/min	
Rotator	AV17/H182 indexator or RH3016 Black bruin	
Measuring and control automatics:	Ponsse Opti4G	

Saw unit:	Hydraulic chain saw	top saw:
Saw motor	30/32 cc	19cc
Power	45 kW	
Saw bar length	750 (820/900 optional saw box) mm	750mm
Chain speed	40 m/s	
Chain pitch	0.404 "	0.404
Cutting diameter	640 (720/800 optional saw box) mm	600mm / 23,6 in

Feeding unit:	
Feeding type	3 rollers
Feeding motors 1	620/400 cc
Feeding force	30 kN
Feeding speed	0 – 5 m/s 16,4 ft/s
Feeding motors 2	750/500 cc
Feeding force	36 kN
Feeding speed	0 – 4,5 m/s 14,8 ft/s
Max. opening	740 mm / 29,1 in
Optimum tree range diameter	45mm – 650mm

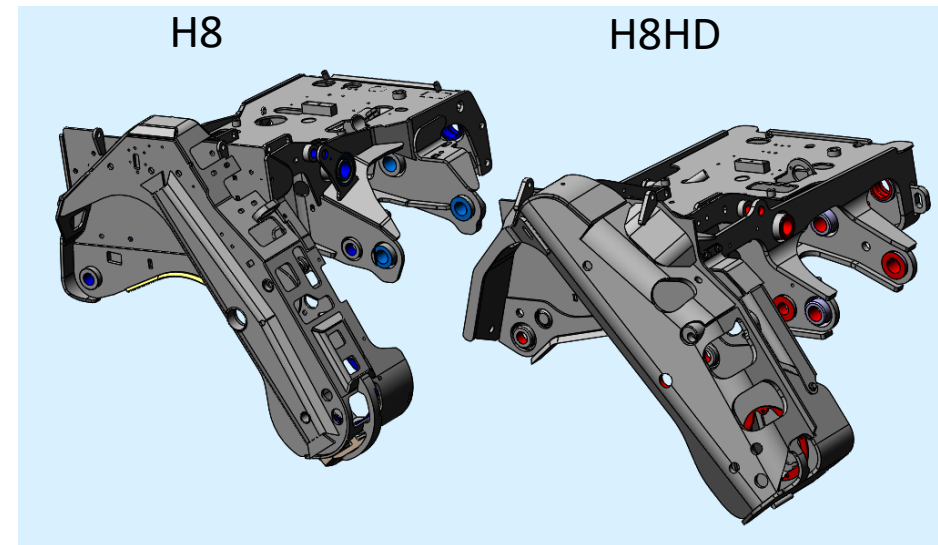
Delimiting unit: One bolted and adjustable (2cm) + 4 movable knives (+ 1 fixed rear knife)

Max. opening, front/rear 740/780 mm

Delimiting knives and feed rollers separately controllable, adjustable pressure for knives and rollers

Technical data, H8 vs H8HD

- Heavy-Duty head for rough working and processing.
- Compared to H8
 - Saw box plates 16 mm (standard H8: 8 and 10 mm)
 - V-shaped saw box bottom for added strength
 - Reinforced hinges of oil container
 - Reinforced saw motor cover
 - All shields made of very high strength steel (4-6 mm Hardox)
 - Improved structure around saw box side rear delimiting blade cylinder bracket → prevents packing of dirt and snow between saw motor cover and knife bracket



H8HD options

- Top saw (separate frame)
- Saw motor: parker or bucher
- Feed roller options
- Processing knives
- Saw chain grease lubrication
- Rotator: Indexator / black bruin
- Stump treatment
- Color marking (Ponsse or SuperMark)
- Saw box lights
- Find-end sensor
- Opti control systems & GPS
- Connection hoses and rotating swivel connectors
- Measuring wheel hydraulic intake
- ORFS hydraulic fitting
- Ponsse Caliper3 electronic calipers

Comparison

	PONSSE H8HD	JD H616C	Logmax 7000XT	Komatsu H622B
Weight (starting)	From 1450 kg	from 1970 kg /4343lb	From 2830 kg	from 2280 kg /5027lb
Width (opened)	1650 mm	1600 mm / 63 in	1800 mm	1700 mm / 67 in
Length	1560 (top saw 1765 mm)	N/A	2025 mm	NA
Saw unit:				
Saw motor	30/32 cc	45 cc	60 cc	45 cc
Saw bar length	750 (opt.900) mm	750mm / 29 in	900 mm / 35 in	82032 in
Cutting diam. Max	720 (opt.800) mm	550 mm / 22 in	800 mm	750 / 30 in mm
Feeding unit:	3 rollers	3 rollers	2 rollers	3 rollers
Feeding power	30kN / 36 kN	N/A	42,1 / 45 kN	N/A
Feeding speed	0-4,5 / 5 m/s	6,6 - 8,3 m/s 22 – 27ft/s	5,2/4,2 m/s	5,4m/s 17,8 ft/s
Delimiting unit:	2 fixed, 4 movable	2 fixed, 2 movable	1 floating, 3 movable	1 floating, 1 fixed, 3 movable
Max. opening (front/rollers/rear)	740 / 740 / 780 mm	650 / 680 / 700 mm 26 in/ 27 in /28 in	772 / 713 / N/A mm	650 / 730 / NA mm 26/29/NA in

The PONSSE logo is displayed in a yellow, segmented font at the top center of the image. The background shows a logging site with a PONSSE harvester head suspended in the air, a stack of logs in the foreground, and a PONSSE skidder on the right. The scene is dimly lit, with machine headlights providing the primary light source.

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ATTACHMENT INSTALLATION DATA

Base machine recommendations

Harvester head model	Working pressure min / max. MPa	min / max flow L / min.	Recommended engine power KW	Recommended crane lifting capacity* kg	Harvester head min / max weight** kg	Recommended base machine weight kg
H5	28	160 - 235	≥ 70	≥ 1100	960 - 1040	10 000 - 13 000
H6	28	210 - 280	≥ 80	≥ 1250	1070 - 1165	13 000 - 16 000
H7	28	240 - 320	≥ 90	≥ 1450	1230 - 1350	16 000 - 22 000
H7HD	28	240 - 320	≥ 90	≥ 1500	1330 - 1450	20 000 - 25 000
H7euca	28	230 - 280	≥ 90	≥ 1450	1310 - 1390	20 000 - 25 000
H77, 670cc	28	260 - 320	≥ 90	≥ 1500	1300 - 1450	20 000 - 25 000
H77, 780cc	28	260 - 330	≥ 90	≥ 1500	1300 - 1450	20 000 - 25 000
H8HD, 750cc	28 - 31	260 - 330	≥ 120	≥ 1500	1340 - 1450	22 000 - 30 000
H8, 620cc	28 - 31	260 - 330	≥ 120	≥ 1500	1340 - 1450	22 000 - 30 000
H10, 1250cc	28 - 31	300 - 350	≥ 150	≥ 3100	2700 - 3000	28 000 - 40 000
H10, 940cc	28 - 31	300 - 340	≥ 150	≥ 3100	2700 - 3000	28 000 - 40 000

*Crane maximum reach crane lifting capacity.

**Max. weight = kg with rotator and connection hoses and extra equipments.