



Combining economics and ergonomics—the ideal climate for growth



The excellent visibility from the cab enables the operator to keep his eye on the harvester head throughout its travel. And thanks to the rooflight, he can always see the crown cover and therefore select the right trees for thinning.



Forest land can vary from one extreme to another, but one thing is certain: the going is never flat and even. However, thanks to bogies on all wheel pairs, the HPV confidently negotiates the toughest terrain. No wonder so many operators can't wait to take the machine off-road!

Clear view of all wheels and all tree tops. With the cab mounted on the bogie, the operator has excellent sight of the close-in work. And because the crane is mounted on the same section, he is also able to keep a much better eye on both the crane and the harvester unit in thinning—thus reducing damage to the retained trees. What's more, he enjoys a smoother ride, which soon results in noticeably improved performance all round.

As part of its commitment to improved ergonomics, Gremo has incorporated many features into the design of the HPV, some of which are not instantly apparent. However, the operator will be very aware of them after a few days in the woods. One is the low noise level inside the cab. In fact, it is quieter inside the HPV cab than in a car cruising on the motorway. It is this attention to detail in the design of the machine that enhances the wellbeing of the user, and contributes towards high productivity.

Of course, every user has his own preferences and requirements, which is why no two Gremo HPVs look exactly the same. But the fundamentals don't change. All the machines are built to the same basic design, with the cab and crane mounted on the same chassis frame. They all have eight wheels and a low centre of gravity, giving the machine exceptional stability when operating on steep downhill slopes and in tough terrain.

The HPV is a flexible machine, which our customers come to appreciate many times over. It is nimble enough for efficient thinning work but also powerful enough for all but the large-dimension final fellings.



Eight wheels increase the ground bearing capacity and give the machine a softer footprint. Suddenly rough terrain can be taken in one's stride and the job can be done more efficiently.



The low mounting of the boom gives the HPV an extremely low centre of gravity. Together with locking bogies, this gives the machine exceptional lateral stability, which means it can operate with maximum precision even in the roughest terrain.

Technical data Gremo HPV R

Dimensions

Length: 7,490 mm
Width (machine fitted with 600-mm tyres): 2,600 mm
Ground clearance: 580 mm
Height for transport: 3,445 mm
Weight: 13,970 kg
Fuel-tank capacity: 330 litres

Standard equipment

Compressor and air gun.
24 V power socket at fuel tank.
Hydraulic ladder.
Bogie lift, with separate controls for left and right sides
Articulated-joint and bogie locks on engine unit (applied automatically when Neutral selected)
Drive on boom unit can be engaged/disengaged when machine moving
Sprinkler system and two manual fire extinguishers
Towing lug at front. Draw-bar at rear.
Speedometer and odometer.
Three separate tool compartments.
Two include equipment for stump treatment.
Special tools
Vacuum pump
Tyres: 600/50 x 22.5 Trelleborg
Engine pre-heating

Engine

Perkins 6-cylinder turbo with water-cooled intercooler. Total volume: 6.0 l.
Torque: 695 Nm at 1400 rpm
Rating: 129 kW (175 bhp) at 2100 rpm
Two separately adjustable constant-speed devices.
Electrical controlled injection.
EC step 2 approved.

Transmission/axles

Hydrostatic drive with electronic power control
Separate hydraulics system totally independent of working hydraulics
Reservoir with electric filler pump via filter
Cast pin-ion-drive bogies with hub reduction
Two-stage Powershift gearbox:
Stage 1: 0–9.1 km/h
Stage 2: 0–25 km/h
Transmission power: approximately 12 tonne net
Independent electrically operated differential lock with 100% locking.
Pedals for forward/reverse and road speed
Warning system displays error messages in text together with acousticoptical alarm
Computerized fault diagnosis

Steering

Power-assisted steering wheel
Electric proportional off-road steering via boom control
Steering effort: 42 kNm maximum
Steering angle: $\pm 43^\circ$
Outer turning radius:
– with bogie raised: 6,350 mm

Braking system

Four multidisc brakes running in oil bath in front and rear differentials
Braking effort: 136 kN
Parking and emergency brakes acting on all disc brakes and applied automatically when Neutral selected.

Working hydraulics

Constant-pressure load-sensing hydraulics system (totally independent of hydraulics for hydrostatic transmission)
Variable pump: 135 cc
Working pressure: 240 bar
Separate 200-litre reservoir with electric filler pump via filter.
Separate radiator with thermostatically controlled hydraulic fan.

Electrical system

Voltage: 24 V
Battery capacity: 2 x 750 A starter current
Alternator: 75 A
Working lights: 30 x 70 W
Vehicle lighting system meeting road traffic regulations

Standard boom

Loglift 181 V
Outreach: 10.0 m
Lifting moment: 138 kNm (gross)
Joysticks
Boom control with memory settings for four operators. All settings are entered via a keypad and are displayed (as are error messages) in plain text.

Harvesting head/measuring system

SP 551 LF II with maximum felling diameter of 600mm, maximum limbing diameter 430mm. Pocklin 514, 560 or 926cc roller motors, automatic chain-tightening device SC100, autocut, loghedge, quickcut, proportional pressure on delimbing knives and feed rollers adjustable from DASA4. DASA4 with 10.4" touch screen, sealed keyboard with integrated pointing device and IR communication with computer, prepared for GPS E-mail mm.

Cab

ECC climate-control system
Widescreen tinted rooflight
Rear windows, rear side windows of 19 mm Lexgard.
Front windows and front side windows of tinted glass.
Intermittent wipers on front and rear screens. One-touch button for single sweep. Wiper on rooflight.
Air-sprung and electrically heated operator seat with seat belt and headrest.
Electric brake on seat swivel mechanism.
Radio/CD player with four speakers.
Rear-view mirror and sun visor
Antenna and provision for installation of phone.
12 & 24 V power sockets in cab.

Accessory & equipment options

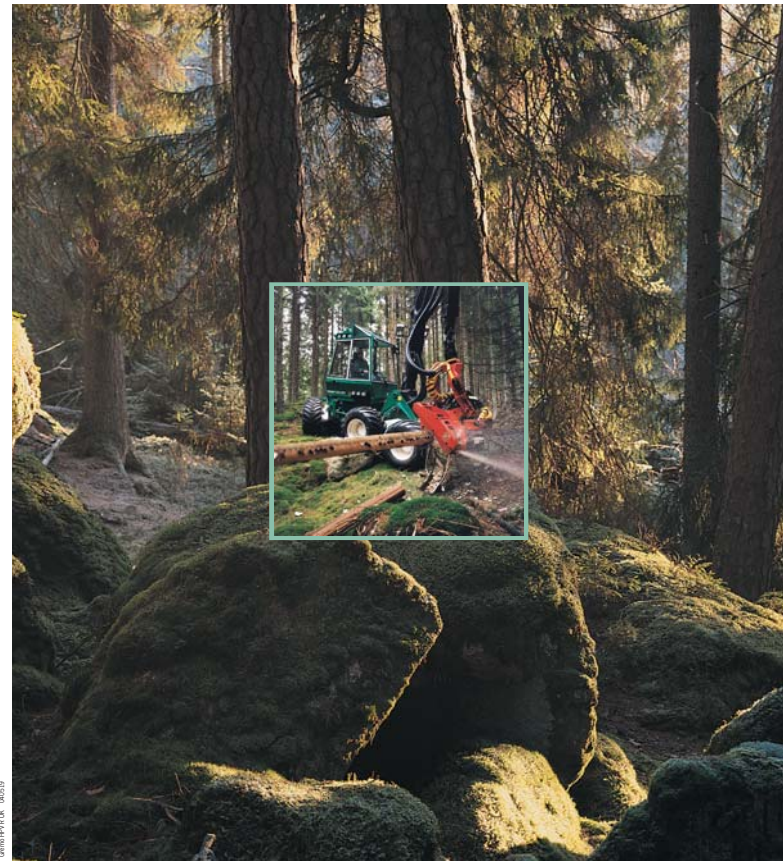
Alternative boom outreach: 11.1 m
Alternative harvester units: SP451; Log-Max 3000 & 5000
Stump-treatment equipment
Indicator colour (stump treatment)
Crane tilt with automatic levelling
Crane damper
Tilting operator's seat
Sun blinds
Four extra tool boxes
Tyres: 710/40 x 22.5 Trelleborg
Wear guards on bogie boxes
Xeon workingslights
Special requirements? Let us know!

We retain the right to alter designs or specifications without prior notice. Machines pictured may include optional equipment and accessories. All values, measurements etc. are approximate.

GREMO

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HPV R Grows with the forest



Gremo HPV R 00038

GREMO

Strong, nimble and safe—and adjustable to suit personal preferences



Bogie tracks reduce ground pressure and give better grip

Bogie tracks reduce pressure to a minimum on boggy ground and provide maximum grip on steep slopes... making otherwise inaccessible areas passable.



A boom outreach of 11 m is adequate. But when you can utilize the full reach, retaining control in all positions, the boom is effectively longer still. Thanks to the exceptional stability of the HPV, boom work is smoother and more relaxed, minimizing damage to the remaining stand.



Four harvester-unit options from two leading makes mean that you can optimize the machine for your own needs.



The powerful and fuel-efficient engine runs quietly and smoothly, delivering maximum torque at a low 1400 rpm.



The windows-based control and measuring system DAS44, standard on Greemo HPV R make You prepared for Your future needs.



Unique longitudinal stability allows the HPV to operate at full capacity even on steep downhill slopes.

The HPV comes with Gremo expertise and support as standard!

The Gremo HPV is a machine you can depend on. Strong, nimble and safe. A machine that can grow with you and help your business to grow. Our customers appreciate that.

But our commitment to our customers extends way beyond the sale itself. Our experienced team is always there to help you get the best out of your machine and your time. Rest assured.



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