

The new PT-175:

the most compact and manoeuvrable PrimeTech model



The new PT-175 features the same technology and components as the other models of the PrimeTech range (the 275 hp PT-300, the 415 hp PT-400 and the powerful 600 hp PT-600). It encompasses a series of improved features and solutions that turn it into an even more advanced vehicle.

Main components

- ENGINE: Cummins QSB4.5 with 160 hp and 4 in-line cylinders.
- HYDRAULIC CIRCUIT: Sauer Danfoss components with 100 cc mulcher pump.
- UNDERCARRIAGE: Berco MF 200, available in the STD version (with 500 mm wide track shoes) and LGP version (with 700 mm wide track shoes), both featuring an extremely low ground pressure. Moreover, it only takes a few hours of work to switch from STD to LGP and vice versa.
- FORESTRY MULCHER: FAE 140/U available in three different widths:
 - model 140/U-140 (and 1465 mm working width)
 - model 140/U-175 (and 1820 mm working width)
 - model 140/U-200 (and 2060 mm working width)

Cutting-edge technology and easy access to all components

Perfect accessibility to the machine and its components, both for daily checks and for more thorough maintenance interventions, it's

an advantage that only PT-175 can offer, as it is the only vehicle on the market with the following features:

- a hood that opens completely and tilting cabin driven by an electric pump, which allows inspecting all components in the engine compartment and beneath the cabin
- hinged side doors that can be effortlessly opened for daily maintenance of the vehicle
- rear winch and hinged radiator guards that can be opened for quicker and easier radiator cleaning.

Extreme comfort

- PT-175 allows for perfect control and manoeuvrability thanks to the vehicle's optimal balancing, ideal weight distribution, reduced dimensions and low centre of gravity.
- The roomy, soundproof driving cabin features excellent operating visibility coupled with a minimal level of perceived vibrations.
- The functions and controls are clear and easy to use.

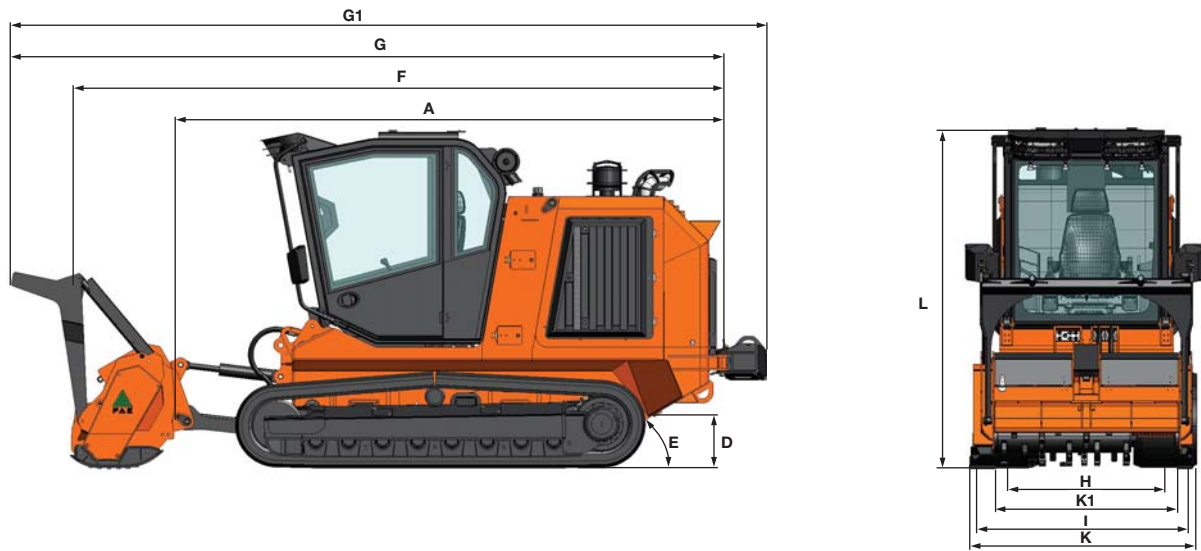
Fields of application

PT-175 is designed to perform light to medium duty work in the forestry sector. One of its strong points lies in its dimensions, which enables it to work on sites with width restrictions (≤ 1750 mm).

PT-175 is mainly used for vegetation management, for cleaning undergrowth, cutting and eliminating bushes and shrubs and for cutting seismic lines.



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> DIMENSIONS

A Overall length without mulcher	172 in	4360 mm
D Ground clearance	16 in	400 mm
E Hitch angle	30°	
F Overall length with mulcher on ground	206 in	5240 mm
G Transport length with mulcher on ground	220 in	5600 mm
G1 Transport length with mulcher on ground and winch	237 in	6030 mm
L1 Cab height	106 in	2683 mm

VERSION	STD	LGP
Track width	20 in 500 mm	28 in 700 mm
H Track gauge	49 in 1250 mm	57 in 1450 mm
I Overall track width	69 in 1750 mm	85 in 2150 mm
FAE ATTACHMENT	140/U-140	140/U-200
K Overall width	69 in 1750 mm	93 in 2360 mm
K1 Working width	58 in 1465 mm	81 in 2060 mm

> MAIN KEYS

• Max forward speed	4.35 mph	7 km/h
• Max reverse speed	4.35 mph	7 km/h
• Drawbar pull	26970 lbf	12000 daN
• Gradeability	100%	
• Tracks control	Sauer Danfoss Electric Joystick	
• Service hydraulic circuit control	Sauer Danfoss Electric Joystick	

• Parking brake	Automatic
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VERSION	STD	LGP
• Track width	20 in 500 mm	28 in 700 mm
• Operating weight	19335 lbs 8770 kg	20194 lbs 9160 kg
• Ground pressure	4.70 psi 0,33 kg/cm ²	3.65 psi 0,26 kg/cm ²

> DIESEL ENGINE

• Model	Cummins QSB4.5	
• Gross power	160 HP (119 KW)	@ 2200 rpm
• Max power	165 HP (123 KW)	@ 2000 rpm
• Displacement	275 in ³	4,5 l

• N° of cylinders	4	
• Torque max	460 lbf-ft	624 Nm
• Fuel rate from	5 gal/h	19 l/h
• Emission	Euromot 3/Tier 3, Stage 3A	

> HYDROSTATIC TRACKS TRANSMISSION

• Pumps	Sauer Danfoss	60 cc
• Motors	Bosch Rexroth	60 cc
• Max pressure	6000 psi	420 bar
• Oil flow	66 gal/min	250 l/min
• Hydraulic emergency stop		

> HYDROSTATIC MULCHER TRANSMISSION

• Pump	Sauer Danfoss	100 cc
• Motor	Sauer Danfoss	160 cc
• Work pressure	5250 psi	360 bar
• Oil flow	61 gal/min	230 l/min

> REFILLING

• Hydraulic oil tank	66 gal	250 l
• Fuel tank	78 gal	298 l

> UNDERCARRIAGE AND TRACKS

• Undercarriage	Berco MF200
• Track shoes single grouser type:	20 in 500 mm
single grouser type:	28 in 700 mm

> FAE ATTACHMENT

MODEL	140/U-140	140/U-175	140/U-200
• Rotor diameter	16.5 in 420 mm	16.5 in 420 mm	16.5 in 420 mm
• Overall width	69 in 1750 mm	83 in 2120 mm	93 in 2360 mm
• Working width	58 in 1465 mm	72 in 1820 mm	81 in 2060 mm
• Weight with options	2910 lbs 1320 kg	3219 lbs 1460 kg	3505 lbs 1590 kg
• Max. working depth	2 in 50 mm	2 in 50 mm	2 in 50 mm
• Grinding diameter (max)	8 in 200 mm	8 in 200 mm	8 in 200 mm
• Quantity of cutting teeth tungsten carbide type "C/3"	28 + 2	36 + 2	42 + 2
• Rotor rpm	2300	2300	2300
• Hydraulic motor type	Sauer Danfoss 160 cc	Sauer Danfoss 160 cc	Sauer Danfoss 160 cc

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