

PrimeTech presents: the PT-175, new 2016 model REMOTE CONTROLLED!



PT-175, the smallest model of PrimeTech's range of purpose-built tracked carriers is now also available with remote control.

Remote control technology enables PT-175 to operate in dangerous conditions such as uneven and steep terrain, without putting the operator into risky and unsafe situations.

The key technical features are the same as the ones of the PT-175 with driver's cab.

Main components

- **ENGINE:** Cummins QSB4.5 with 160 HP and 4 in-line cylinders.
- **HYDRAULIC CIRCUIT:** Danfoss components with 100 cc mulcher pump.
- **UNDERCARRIAGE:** Berco MF 200, featuring lubricated tracked chains and an extremely low ground pressure (4.70 psi - 0,33 kg/cm²).
- **FORESTRY MULCHER:** FAE 140/U available in three different widths:
 - model 140/U-140 (58 in - 1465 mm working width)
 - model 140/U-175 (72 in - 1820 mm working width)
 - model 140/U-200 (81 in - 2060 mm working width)

Cutting-edge technology and easy access to all components

PT-175 is designed for easy access and maintenance, excellent

service ability and it is easy to work on. Perfect accessibility to the machine and its components, both for daily checks and for more thorough maintenance interventions, it is an advantage that only PT-175 can offer, thanks to the following features:

- 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;
- tilting remote control unit driven by a manual pump, which allows inspecting all components located underneath the remote control unit.

Remote Control

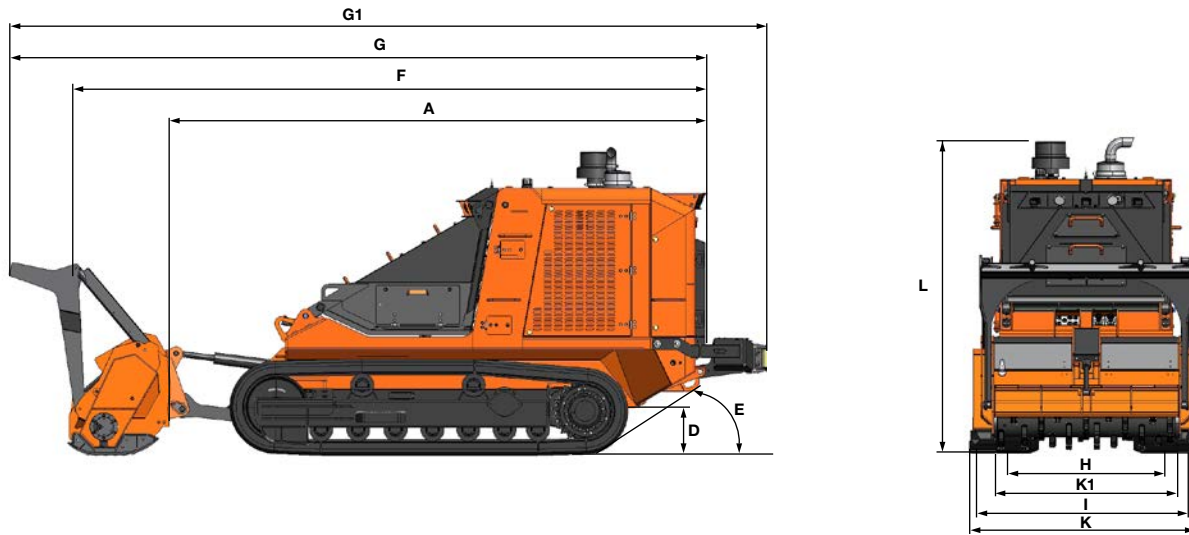
An innovative remote control ensures accurate guidance of the vehicle at a range of up to 1000 meters.

All of the controls and displays the operator would normally see in the cab are on the remote-control unit. The expected runtime of the remote-control unit's batteries is 10 h.

Fields of application

PT-175 is designed to perform light to medium duty work. It is mainly used for vegetation management, for clearing of brush and undergrowth as well as for cutting and mulching of bushes and shrubs.





> DIMENSIONS

A Overall length without mulcher	169 in	4300 mm
D Ground clearance	16 in	400 mm
E Hitch angle	37°	
F Overall length with mulcher on ground	203 in	5150 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
L Max height	98 in	2500 mm

VERSION	NARROW TRACK GAUGE	WIDE TRACK GAUGE
Track width	20 in 500 mm	20 in 500 mm
H Track gauge	49 in 1250 mm	57 in 1450 mm
I Overall track width	69 in 1750 mm	77 in 1950 mm
FAE ATTACHMENT	140/U-175	140/U-200
K Overall width	83 in 2120 mm	93 in 2360 mm
K1 Working width	72 in 1820 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	Danfoss Electric Joystick	
• Service hydraulic circuit control	Danfoss Electric Joystick	

• Parking brake	Automatic
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VERSION	NARROW TRACK GAUGE	WIDE TRACK GAUGE
• Track width	20 in 500 mm	20 in 500 mm
• Operating weight	18695 lbs 8480 kg	19202 lbs 8710 kg
• Ground pressure	4.70 psi 0,33 kg/cm ²	4.97 psi 0,35 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	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	Danfoss	100 cc
• Motor	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

> ELECTRICAL SYSTEM REMOTE CONTROL

• Nominal voltage	12 V
• Batteries	2 x 12 V High cold cranking Amps
• Alternator	95 A
• Track control	Joystick on transmitting unit
• Tiller movements control	Joystick on transmitting unit
• Tiller rotor speed control	Potentiometer on transmitting unit

• Engine control	Buttons for start/stop and rpm increase/decrease on transmitting unit
• Safety features	Hydraulic engage and stop buttons on transmitting unit. Hydraulic disengage in case of remote control signal loss
• Batteries run time	Up to 10 h
• Remote control range	Up to 1000 m

> FAE ATTACHMENT

MODEL	140/U-140	140/U-175	140/U-200
• Rotor diameter	16.5 in	16.5 in	16.5 in
• Overall width	69 in	83 in	93 in
• Working width	58 in	72 in	81 in
• Weight	2910 lbs	3219 lbs	3505 lbs
• Max. working depth	2 in	2 in	2 in
• Grinding diameter (max)	8 in	8 in	8 in
• Quantity of cutting teeth tungsten carbide type "C/3"	28 + 2	36 + 2	42 + 2
• Rotor rpm	2300	2300	2300
• Hydraulic motor type	Danfoss	Danfoss	Danfoss
	160 cc	160 cc	160 cc

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