

PT-175 D:Mine designed for demining

PrimeTech introduces the PT-175 D:Mine, a demining machine designed to clear anti-personnel mines in the most difficult conditions.

PT-175 D:Mine is powered by a Cummins inline 4-cylinder engine, a 160 HP power plant that together with the design of the rotor guarantees very high productivity in all conditions. An innovative remote control ensures accurate guidance of the vehicle at a range of up to 1000 meters.

The PT-175 D:Mine is a machine built for light to medium-duty jobs, with a rugged and extremely resistant structure made of special steels selected for their exceptional strength, offering a very high level of reliability.

PT-175 D:Mine is equipped with an FAE 140/TD tiller, which is specifically designed for mine clearance. Working width of the 140/TD is 1850 mm and average working depth is 200 mm.

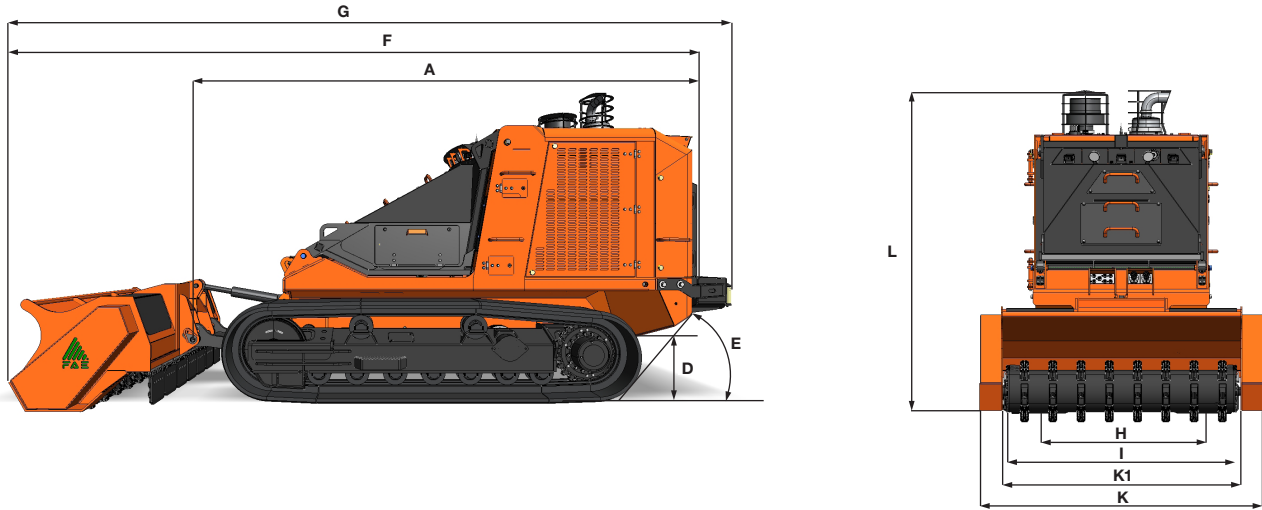
The design of the tiller head and rotor and the materials used combine to limit damage in the event of exploding mines. As required, the vehicle can be also equipped with a forestry mulcher.

Cutting-edge technology and easy access to all components

PT-175 D:Mine 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.





> DIMENSIONS

A Overall length without tiller	169 in	4300 mm
D Ground clearance	16 in	400 mm
E Hitch angle	37°	
F Overall length with tiller on ground	209 in	5300 mm
G Transport length with tiller on ground and winch	229 in	5810 mm
L Max height	98 in	2500 mm

VERSION

Track width	20 in	500 mm
H Track gauge	49 in	1250 mm
I Overall track width	69 in	1750 mm

FAE ATTACHMENT

K Overall width	87 in	2200 mm
K1 Working width	73 in	1850 mm

NARROW TRACK GAUGE

Track width	20 in	500 mm
H Track gauge	49 in	1250 mm
I Overall track width	69 in	1750 mm

140/TD

K Overall width	87 in	2200 mm
K1 Working width	73 in	1850 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

Track width	20 in	500 mm
• Operating weight	20327 lbs	9220 kg
• Ground pressure	4.66 psi	0,33 kg/cm ²

NARROW TRACK GAUGE

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• Ground pressure	4.66 psi	0,33 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/TD	
• Rotor diameter	23.6 in	600 mm
• Overall width	87 in	2200 mm
• Working width	73 in	1850 mm
• Weight with options	5111 lbs	2300 kg
• Max. working depth	8 in	200 mm
• Quantity of cutting teeth tungsten carbide type "G/3"	50 + 4	
• Rotor rpm	710	
• Hydraulic motor type	Danfoss	130 cc

Fae Group S.p.A. - Prime Tech Division

Via G. Marconi, 20 // 38011 Sarnonico (TN) // Italy // Ph. +39 0463 840 080 // Fax +39 0463 840 099

PrimeTech Shredding Equipment Ltd. - Branch Office

PO Box 4265 // 110 Saskatchewan Ave // Spruce Grove, AB // T7X 3B4

Ph. 780-948-8882 // Fax 780-948-8886 // www.prime-tech.com // info@prime-tech.com



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