

Scarifier E501 Loose blades

PERFORMANCE

Engine selection	6,5 HP Honda GX200
Operating width	500 mm / 20 inch
Permanently sharp blades™	Yes
Fixed blades (number/thickness)	18 / 3 mm
Loose blades (number/thickness)	34 / 2,5 mm
Double Cut™ blades (number/thickness)	32 / 1,5 mm
Clutch	Vertical Belt Tension
Handlebar	Floating
Depth adjuster	front: Continuously rear: 2 position
Chassis	Steel 3 mm
Transmission	V-belt XPA800

DESIGN

Dimensions (L x W x H in mm / inch)	1200 x 740 x 1000 mm / 47 x 29 x 39 inch
Weight	63 kg / 139 pounds



Features



ROBUST FRAME

A dethatching machine combs every square centimetre of your lawn. When doing so, the machine will also bring some stones to the surface. For this reason, the robust frame will protect you against all of the dislodged dirt. ELIET will not take any risks in this respect and has, therefore, decided to use a 3 mm thick plate metal frame that is robot-welded to exacting standards.



BLADE CHOICE

Whoever chooses the professional version of the E501 knows exactly what he wants. However, because you, as a professional user, have more stringent requirements, ELIET have also developed two other types of blades in addition to the standard fitted blades. In certain operating conditions, these other types of blades can enhance performance and promote high quality work. The choice is up to you !

VERTICAL BELT TENSION



At ELIET, we do not use a conventional jockey pulley to disengage the blades, as these pulleys can be a sure source of trouble. ELIET have instead developed "Vertical Belt Tension". A lever linkage lifts the engine bedplate in order to tension the belt. This allows the tensioned belt to retain its natural shape, thus significantly improving belt life. The two belt pulleys only touch the inside of the belt so that the outside of the belt is not subject to wear. On a professional ELIET dethatching machine, a belt very seldom needs renewing.

INFINITELY VARIABLE HEIGHT ADJUSTMENT



The working depth is typically 2 mm. At this speed, virtually no braking is applied to the blades so that they can operate at full speed and lift up moss and thatch from the lawn surface. As the blades do not cut through the roots, this greatly reduces the time required by the lawn to recover after dethatching. Accurate and correct depth setting implies a very fine adjustable depth adjustment. To this end, the front wheels of the E 501 Pro feature an infinitely variable adjustment. This enables the same depth to be set across the entire blade shaft.

REAR WHEELS DEPTH ADJUSTMENT



The ELIET E501 Pro is equipped with a set of Permanently Sharp Blades™. These blades have a working life in excess of 100 hours. Regardless of whether you choose, fixed, oscillating or double cut blades, you still wish to completely use up the blades. Since the adjustment facilities on the front wheels are inadequate, ELIET have also provided depth adjustment at the rear.



ALUMINIUM WHEELS

Work comfort means that you perform the work with a minimum of effort. In this respect, ELIET pamper the operator of the E501 PRO. Large wheels with light aluminium rims running on tyres with a supple natural rubber tread ensure that this machine glides across the lawn. Each wheel is equipped with two large-size ball bearings. These heavy duty wheels are able to withstand the dusty conditions in which these machines have to operate. The wide wheel tread minimizes the risk of wheel rut formation on wet lawns.

WHEELS WITH MUD SCRAPERS

If dethatching takes place in the spring on a swampy lawn, the newly raked moss tends to stick to the wheels so that the machines move up and down when crossing the lawn, with this having a clearly visible effect on the result of the raking. To remedy, ELIET have fitted scrapers to the wheels of its professional dethatching machines. Any dirt that sticks to the wheels is immediately removed from the wheels.

RUBBER DEFLECTOR



Although gardeners usually wear professional working clothing and protective footwear, ELIET do not take any risks when safety is involved. The wide rubber safety guard at the rear of the machine retains all dust, sand and any stones that are thrown up out of the ground by the blades. The deflector is suspended on a chain and passively obeys each steering command. Moreover, you can suspend the deflector at the correct height, according to the thickness of the moss layer that appears from underneath the dethatching machine.

FLOATING HANDLEBAR



Gardeners are kept busy with dethatching work in the spring when the grass comes out of its winter hibernation. Attention has therefore been paid to all components that cause fatigue. The floating handlebar is one example of how optimal work comfort is ensured. This handlebar accurately follows any ground unevenness in order to neutralise arm pressure.

Technology



THE IMPORTANCE OF POINTED BLADES

During the dethatching work, the blades must grip, rake up and raise the layer of thatch and moss underneath your lawn. The point of the blade plays a crucial role. Many blades lose their edge after a few hours, thus losing their thatch removal ability. As a result, users soon tend to set the blades to penetrate deeper. This, however, has many drawbacks. Dull blades not only fail to cut, they also bring up large quantities of earth and soil, with the resultant increase in machine wear rate. In addition, rooting also suffers irreparable damage.



ELIET PERMANENTLY SHARP BLADES™: GET MORE OUT OF YOUR GARDEN

Every Eliet dethatching machine is equipped as standard with **Permanently Sharp Blades™**. The blades are selfsharpening, thanks to ELIET's revolutionary concept, so that they retain their sharp cutting edge during their entire working life. Because these knives always stay sharp you can keep on using them until they are completely worn down. Our unique ELIET knives have a **100-hour knife life**.