Husqvarna

HUSQVARNA 545FX

Exceptionally easily operated forestry clearing saw with high performance and unique ergonomical solutions designed for full time spacing tasks. Optimised transmission with the bevel gear angled 24 degrees simplifies directional felling in dense forests. Easily started X-torq® engine with rapid acceleration, reduced fuel consumption and emissions. Very low vibrations thanks to an effective anti-vibration of the engine, drive shaft and cutting equipment. Easy to start with Smart Start®. Delivered with Balance XT harness.





X-Torq® engine
The X-Torq® engine design reduces harmful exhaust emissions by up to 75% and increases fuel efficiency by up to 20%.



Smart Start®
The engine and starter have been designed so the machine starts quickly with minimum effort. Resistance in the starter cord is reduced by up to 40%.



Adjustable handle bar
Adjustable and ergonomically designed handlebar for best comfort.



Thumb-operated throttle
Thumb-operated throttle for efficiency and precision control. Reduces strain on the hand muscles.



Easy blade switch
Magnetic locking pin holder facilitates blade switch.



LowVib®
Effective anti-vibration dampeners absorb vibration, sparing the user's arms and hands.

Additional features

Balance XT
Ergonomic harness with broad back support, shoulder straps and hip belt that distributes the load over a larger area. Adjustable back plate for perfect fit.

Forestry bevel gear
Bevel gear designed for forestry use with high blade speed for best cutting performance.

Comfortable handle
Comfortable handle design.

Fuel pump
Fuel pump designed for easy starting.

Auto return stop switch
When the machine is turned off, the stop button automatically returns to start position for trouble free start.

Comfort handle
Soft-grip handles for optimum comfort.

Technical data

Engine specification

Cylinder displacement	45.7 cm^3 / 2.8 cu.inch
Cylinder bore	42 mm / 1.7 inch
Cylinder stroke	33 mm / 1.3 inch
Power output	2.2 kW
Maximum power speed	9000 rpm
Fuel tank volume	0.9 lit / 30.43 fl oz

Environment data

Engine specification

Power output	2.2 kW
Fuel consumption	450 g/kWh (1 kg/h / 2.2 lbs/h)

Emission data EU

HC, g/kWh	42.11 g/kWh
CO, g/kWh	262.3 g/kWh
NOx, g/kWh	2.43 g/kWh

Technical data

Fuel consumption	450 g/kWh
Fuel consumption	1 kg/h / 2.2 lbs/h
Ignition module air gap	0.3 mm / 0.01 "
Idling speed	2700 rpm
Spark plug	NGK CMR6H
Electrode gap	0.5 mm / 0 "
Clutch engagement speed	3900 rpm (±120 rpm)
Maximum rpm output shaft	10100 rpm
Output shaft thread	M12x1.75V

Lubricants

Lubricant type (bevel gear)	Biodegradable grease

Vibration & noise data

Equivalent vibration level (ahv, eq) left / right handle	2/3.2 m/s²
Sound pressure level at operators ear	99 dB(A)
Sound power level, guaranteed (LWA)	114 dB(A)

Transmission data

Gear ratio	1:1.29
Drive gear angle	24 °

Equipment

OEM Saw blade	Scarlett 225-24
OEM Harness	Balance XT

Overall dimensions

Weight (excl. cutting equipment)	8.2 kg / 18.08 lbs

Logistical data

Packaging size, LxWxH1xH2	1834x324x310x114 mm / 72.2x12.8x12.2x4.5 inch

Environment data

CO_2, g/kWh	915.82 g/kWh
HC+NOx FEL, g/kWh	50 g/kWh
Approval certificate number (Emissions)	e5*97/68SH2G3*2002/88*0143*00 (II)

Emission data EPA

HC, g/kWh	38.12 g/kWh
CO, g/kWh	181.69 g/kWh
NOx, g/kWh	3.93 g/kWh
CO_2, g/kWh	954.84 g/kWh
HC+NOx FEL, g/kWh	50 g/kWh

Noise data

Sound power level, guaranteed (LWA)	114 dB(A)
Sound preassure at operators ear	99 dB(A)
Uncertainty - Sound pressure	1 dB(A)
Standard	ISO 11806 and ISO 22868

Vibration data

Uncertainty - Equivalent vibration level	1 m/s²
Standard	ISO 11806 and ISO 22867

Approvals

Cert EU exhaust emission	Yes
Cert sound directive 2000/14/EC Decl. No	01/164/072
CE	Yes
Cert machine directive 2006/42/EC Decl. No	SEC/11/2292

Metals

Plastics

Rubber

Other

Total product weight	8.2 kg / 18.08 lbs

Standard equipment



537 27 83-01 - Saw blade, Scarlett

Our new range of saw blades.



505 20 42-01 - Harness Balance XT

The Balance XT Harness is our new harness with many features for added comfort. Wide, padded, and body-hugging straps make the harness comfortable to wear and reduce stress on the upper body and shoulders. The straps have reflex material to make work safer in dim conditions. Also on the hip belt, easy to reach, a pocket is placed to hold a mobile or other tool. The floating pad system reduces strain on the back and requires less energy when working and can be connected in a grass- or forest position.

Accessories



537 29 74-01
Guards, kits

2. Blade guard (5372885-01), protection cup, screw, nut and holder, 343F, 345F, 345Fxt



531 00 92-62
Trimmer head T45X

Exclusively designed by Husqvarna the T45X trimmer head features a semi-automatic cord feed system “Tap’n go“ and ball bearing resting surface. Features developed for users with high demands on durability and minimized downtime. The trimmer line is fed automatically when the head is pushed into the ground. This means that the user always controls when the line is fed and the line can be fed while working with the machine.



544 90 91-01
Trimmer head T55X

Exclusively designed by Husqvarna the T55X trimmer head features a semi-automatic cord feed system “Tap’n go“ and ball bearing resting surface. Features developed for users with high demands on durability and minimized downtime. The trimmer line is fed automatically when the head is pushed into the ground. This means that the user always controls when the line is fed and the line can be fed while working with the machine.



531 00 92-26
Trimmy Auto 55

Semi-/fully automatic trimmer head. Cord is fed automatically when it is to short. The cord length is self-adjusting.



531 00 92-26
Trimmy Auto 55

Semi-/fully automatic trimmer head. Cord is fed automatically when it is to short. The cord length is self-adjusting.



502 26 08-15
Trimmy SII

Trimmer head with manual cord feed. The cord is fed manually by the user when pushing the cord feed button and pulling the cord.



503 90 18-02
Support cup

Prevents the blade from digging into ground. Two versions. One rotates with the blade and the other runs on bearings for extended life.



502 15 70-02
Support cup

Prevents the blade from digging into ground. Two versions. One rotates with the blade and the other runs on bearings for extended life.

Accessories



502 15 70-02
Support cup

Prevents the blade from digging into ground. Two versions. One rotates with the blade and the other runs on bearings for extended life.



537 14 90-01
Grass knife 3-tooth

For dense, and heavy grass, but not for woody growth. Perfect to use when clearing undergrowth.



537 14 92-01
Grass knife 4-tooth

For dense, coarse grass, but not for woody growth.



537 14 94-01
Grass knife 3-tooth

For dense, and heavy grass, but not for woody growth. Perfect to use when clearing undergrowth.



537 14 94-01
Grass knife 3-tooth

For dense, and heavy grass, but not for woody growth. Perfect to use when clearing undergrowth.



537 27 83-01
Saw blade, Scarlett

Our new range of saw blades.

Spare parts



574 66 80-01
Air filter



573 96 08-01
Starter Assy



504 11 32-02
Fuel Cap



503 44 32-01
Fuel Filter

Fits 3/16" (5mm) fuel line

Spare parts



503 44 32-01
Fuel Filter
Fits 3/16" (5mm) fuel line



503 93 66-01
Purge Bubble



510 20 87-01
Antivibration



537 29 97-01
Antivibration



537 29 97-01
Antivibration



537 24 36-01
Carburator gasket kit



502 29 11-01
Blade Nut