



Test Report



Husqvarna 345 FX

OWNER OF THE TEST CERTIFICATE:

Husqvarna AB
S-56182 Huskvarna
www.husqvarna.com





Test results and evaluations

Forestry clearing saw Husqvarna 345 FX; 345 FXT = with handle heating (not tested)

Husqvarna AB; S - 56182 Huskvarna/Schweden

Test item	Test result				Evaluation
Function	<p><u>Wood cutting blade (Scarlett)</u>: tending young growth up to approx. 5 cm (max. 10 cm) diameter</p> <p><u>Brush blade (Multi)</u>: mowing grass and thin woody plants up to approx. 2 cm (max. 5 cm)</p>				
Engine power			Torque	Spec. fuel consumption	
max. power			9000 min ⁻¹	46 kW/l	○
max. engine speed	2.1 kW		7200 min ⁻¹		
	2.3 Nm				
Fuel consumption	At max. power				
absolute / specific	1.4 l/h		475 g/kWh		○
Exhaust emission	Complies with level I of the standard 2002/88 EG				○
	Catalytic converter reduces the amount of unburnt fuel in the exhaust emissions				
Noise	idling		racing		
Sound pressure level					○
Multi 300-3T	82 dB(A)		103 dB(A)		
Scarlett 200-22T	81 dB(A)		103 dB(A)		
Equivalent sound pressure level 100 dB(A) (1/2 idling speed, 1/2 full speed without load)					
Sound power level: 116 dB(A) according to Directive 2000/14/EC					
Vibration	idling		racing		
	left	right	left	right	
Multi 300-3T	3.0	4.4	1.4	1.4	○
Scarlett 200-22T	2.9	4.4	1.1	1.7	
Equivalent vibration total value left/right 4.1 / 3.3 m/s ² (1/2 idling speed, 1/2 full speed without load)					

Weight					
Without harness and fuel	Without tools		Including tools brush cutter/saw blade		
absolute [kg]	8.1	8.1 (K)	9.8	9.1	O
Power to weight ratio[kg/kW]	3.9	3.9	4.3	4.1	
Operability / handling					
Control elements	Easy to reach and use				+
Throttle control	Thumb operated				NE
Start	Primer, low effort required for start due to automatic decompression valve				+ ++
Tool replacement	Requires implements (locking pin)				O
Shaft/handlebar	Adjustable, tools required				+
Harness	Fully adjustable, comfortable fittings; high wearing comfort				++
	Quick release on support hook				++
Maintenance					
Spark plug	Easy access				+
Cover removal	Requires tools (4 screws)				O
Air filter					
Cover	No tools required for removal				+
Cleaning	easy, no tools required				+
Soiling	low				++
Reliability					
	No defects during test				+
Operating manual					
	clear, well illustrated				+
	use of alkylate petrol recommended				++
Operator safety					
EuroTest	Test certificate No.PU 47277/02 SMP Uppsala				+

Rating: ++ / + / o / - / --./.(o = Standard / NE= no evaluation, complies with tolerance value)

Description and Technical Data

Motor

- Air-cooled single-cylinder two-stroke engine;
- Engine displacement 43 cm³; bore 41 mm; stroke 32.5 mm;
- Fuel: minimum octane grade 90 RON; mixed lubrication;
- Mixing ratio 1:25; with special oil 1: 40 or 1:50;
- Special fuel with "KWF-TEST" or regular lead-free petrol;
- Engine speed: idling speed 2800 min⁻¹; max. speed: 13500 min⁻¹; max. tool speed: 10500 min⁻¹

Drive

Drive shaft enclosed by shaft, several bearings

Angular gear: gear ratio 1 : 0.775 ; (K: 1 : 0.7)

Output shaft thread: M12 x 1.5 left

Angle shaft / out put shaft: 24°

Tools

tested: saw blade Ø 200 mm

Not tested: various trimmer heads, grass cutters and saw blades are available

Main dimensions and weight

Length,	with brush cutter Ø 300 mm	1730 mm
	with saw blade Ø 200 mm	1680 mm
Width,	engine unit	280 mm
	incl. handlebar	605 mm
Height,	engine unit	230 mm
Fuel tank,	fuel	0.9 l
Weight	engine unit	4.4 kg
	total weight without tools	8.1 kg
	harness	1.2 kg

Testdt

Test carried out by	Kuratorium für Waldarbeit und Forsttechnik DLG-Prüfstelle für Landmaschinen Groß-Umstadt
Field test	Forstamt Lampertheim Forstliches Bildungszentrum Königsbronn
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FPA/DLG-Test Committee	„Geräte und Werkzeuge“ (“Equipment and tools”) with 14 members Chairman: Alois Zollner, Laubau
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According to the test regulations, the applicant is entitled to display the test mark on machines of this type and to use the certification for advertising purposes.

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For more information about the network visit www.entam.com or contact ENTAM at the following e-mail address: info@entam.com