



TEST REPORT



Chainsaw Husqvarna 346 XP

Test no.: 5240

OWNER OF THE TEST CERTIFICATE:

Manufacturer and applicant:

Husqvarna AB

SE- 561 82 Huskvarna

www.husqvarna.de



Model with Trio Brake

Test results and evaluations

Chainsaw Husqvarna 346 XPG with 38 cm cutting length
Husqvarna AB; SE- 561 82 Huskvarna/Sweden



Test item	Test results				Evaluation
Function	Chainsaw in the power class up to 3 kW, for professional use				
Engine power					
Power	Engine speed	Torque	Spec. fuel consumption		NE
max 2.5 kW	10500 rpm	2.3 Nm	50 kW/l		
2.0 kW	7000 rpm	Max 2.7 Nm	40 kW/l		
Fuel consumption					
	max. power		max. torque		O
absolute / specific	1.7 l/h	508 g/kWh	1.3 l/h	462 g/kWh	
Exhaust emission					
complies with level 1 of the standard 2002/88 EG					O
Chain lubrication					
Oil consumption	at 5000 rpm		at 9000 rpm		O
min / max	4 ml/min	8 ml/min	7 ml/min	14 ml/min	
Sound pressure level					
	idling speed	full load speed	full speed, no load		-- -
at ear of the operator	84 dB(A)	106 dB(A)	108 dB(A)		
(depending on exhaust system)	82 dB(A)	103 dB(A)	106 dB(A)		
Equivalent sound pressure level, total value 105 / 103 dB(A) (Average: idling – full load – full throttle)					
Accoustic power 113 dB(A) according to standard 2000/14/EG					
Vibration					
	idling speed	full load speed	full speed, no load		O
front handle	3.1 m/s²	2.2 m/s²	1.8 m/s²		
rear handle	4.3 m/s²	3.0 m/s²	3.5 m/s²		
Total equivalent vibration front/rear 2.4 / 3.6 m/s²					
Chain brake					
Hand guard activation	Actuating force	aver. braking time	max. braking time		NE
	35 N	0.08 s	0.12 s		
Inertia activation	horizontal acceleration		vertical acceleration		NE
	314 m/s²		549 m/s²		

Husqvarna 346 XP

Kickback				
Cutting equipment 38 cm. 0.325“		Kickback angle with brake 49°	Chain stop angle 22°	NE
Half chisel tooth				
Weight				
Weight per unit power		With cutting equipment	Without cutting equipment	+
		2.4 kg/kW	2.0 kg/kW	
Operability / handling				
Control elements		Easy to reach and use		+
Primer		Fuel pump (Primer)		+
Chain assembly		Somewhat difficult, exterior link		-
Chain tensioning		laterally		O
Model Type 346 XPG		- heated handle, heating coils inside handles		+
		- Electric carburettor heating, thermostat-controlled temperature regulation prevents ice-formation in carburettor		+
Model with “Trio Brake“		Additional chain brake activation on rear handle		
		- increases operator safety - demands special handling and familiarization		+ O
Maintenance				
Air filter and spark plug covers and casing		One-piece, 3 clamps, requires tools		+
Air filter	cleaning	No tools required, clamp fasteners		+
	soiling	Very low		++
Reliability				
		No problems during the test		+
Operating manual				
		clear, well illustrated		+
		Special fuels recommended		++
Operator safety				
EG-type examination test		(SMP) Test certificate No. 404/07/1177		

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

Description and technical data

Engine

- Air-cooled single-cylinder two-stroke engine
- engine displacement 50.1 cm³; bore 44.3 mm; stroke 32.5 mm;
- Fuel: minimum octane number 90 RON; mixed lubrication, 2T-special fuel with "KWF-TEST" or lead-free regular petrol;
- Spark plug NGK BPMR 7A or Champion RCJ-7Y,
- Idling speed: 2700 min⁻¹; max. speed: not specified
- Membrane carburettor Zama.

Cutting equipment

- Clutch drum with external chain sprocket;
- Guide bar with sprocket nose, full chisel tooth chain, pitch 0.325".
- Guide bars for 33 to 50 cm cutting lengths;

Main dimensions and weights		
Length	incl. cutting equipment 38 cm	756 mm
	engine unit without spiked bumper	400 mm
Width	engine unit	176 mm
	incl. handle	220 mm
Height	engine unit	212 mm
	with front hand guard	280 mm
Stump height	chain sprocket cover	30 mm
	handle	36 mm
Tank volume	Fuel	500 ml
	Chain oil	280 ml
Weight	incl. cutting equipment 38 cm	5.9 kg
	without cutting equipment / Trio Brake	5.1 / 5.5 kg

Test

Test carried out by

Kuratorium für Waldarbeit und Forsttechnik, Gross-Umstadt
DLG-Testzentrum Technik & Betriebsmittel, Gross-Umstadt

Field test

Forestry office Ehringshausen
Forstliches Bildungszentrum Arnsberg
Forstliches Bildungszentrum Hachenburg
Forstliche Ausbildungsstätte Morgenröthe

Authors

Josef Albert Gross-Umstadt
Dietmar Ruppert, KWF, Gross-Umstadt

FPA/DLG-Test committee

“Geräte und Werkzeuge“ (“Equipment and tools”) with 14 members
Chairman: Alois Zollner

FPA / DLG-Approval:

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KWF-Test no. 5240
DLG-test report: 5915

The applicant is entitled to display the test mark on machines of this type according to the test regulations and to use the certification for advertising purposes.

DLG-Testzentrum Technik & Betriebsmittel Gross-Umstadt

Max-Eyth-Weg 1

D-64823 Gross-Umstadt

Telephone: 06078/96 35-0

Fax: 06078/9635-90

E-mail: J.Albert@dlg.org

Internet: [www://dlg-test.de](http://www.dlg-test.de)

Kuratorium für Waldarbeit und Forsttechnik e.V. (KWF)

Forsttechnischer Prüfungsausschuss (FPA)

Sprenger Strasse 1

D-64823 Gross-Umstadt

Telephone: 06078/785-0

Fax: 06078/785 50

E-mail: Dietmar.Ruppert@kwf-online.de

Internet: www.kwf-online.de



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