



TEST REPORT



Chainsaw Husqvarna 576 XP

Test no.: 5243

OWNER OF THE TEST CERTIFICATE:

Manufacturer and applicant:

Husqvarna AB

SE- 561 82 Huskvarna

www.husqvarna.de



Test results and evaluations



Chainsaw Husqvarna 576 XP with 46 cm cutting length

Husqvarna AB; SE- 561 82 Huskvarna/ Sweden

Test item	Test results					Evaluation
Function	Chainsaw in the power class over 4 kW. for professional use					
Engine power						
Power	Engine speed	Torque	Spec. fuel consumption		NE	
max 4.1 kW	10300 rpm	3.8 Nm	56 kW/l			
3.1 kW	7000 rpm	Max 4.2 Nm	42 kW/l			
Fuel consumption						
	max. power		max. torque			
absolute / specific	2.2 l/h	403 g/kWh	1.7 l/h	482 g/kWh	+	
Exhaust emission						
complies with level 1 of the standard 2002/88 EG The proportion of unburned fuel in the exhaust emission is reduced by purging the chamber with air.					++	
Chain lubrication						
Oil consumption	at 5000 rpm		at 9000 rpm			
min / max	4 ml/min	13 ml/min	7 ml/min	23 ml/min	O	
Sound pressure level						
	idling speed	full load speed	full throttle no load			
at ear of the operator	81dB(A)	106 db(A)	107 dB(A)		-	
Equivalent sound pressure level, total value 105 dB(A) (Average: idling – full load – full throttle)						
Accoustic power 114A) according to standard 2000/14/EG						
Vibration						
	idling speed	full load speed	full throttle no load			
front handle	4.1 m/s²	1.9 m/s²	2.3 m/s²		+	
rear handle	4.3 m/s²	2.4 m/s²	3.9 m/s²			
Total equivalent vibration front/rear 2.9 / 3.7 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	
	228 m/s²		400 m/s²			
Kickback						
Cutting equipment 46 cm.	Kickback angle with brake		Chain stop angle			

Husqvarna 576 XPG

3/8"	47°	38°	NE
Full chisel tooth			
Weight			
Weight per unit power	With cutting equipment	Without cutting equipment	
	2.0kg/kW	1.6kg/kW	+
Operability / handling			
Control elements	Easy to reach and use		+
Primer	Relief valve		+
Chain assembly	Simple, chain sprocket easy to access		O
Chain tensioning	lateral		O
Model Type Typ 576 XPG	- heated handle, heating coils in both handles		+
	- Electric carburettor heating, thermostat-controlled temperature regulation prevents ice-formation in carburettor		+
Spiked bumper	Several versions available for different applications in thick wood felling		NE
Maintenance			
Air filter and spark plug covers and casing	One-piece, 3 clamps, requires tools		+
Air filter cleaning	Release 1 bolt, possible without tools		+
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. 404/05/1059		

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

Description and technical data

Engine

- Air-cooled single-cylinder two-stroke engine; with emission reducing "mit abgasreduzierender "air injection engine technology"
- engine displacement 74 cm³; bore 51 mm; stroke 36 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: 12800 min⁻¹
- Membrane carburettor Zama.

Cutting equipment

- - Clutch drum with external chain sprocket;
- Guide bar with sprocket nose - full chisel tooth chain, pitch 3/8".
- Guide bars for 35 to 69 cm cutting lengths;

Main dimensions and weights		
Length	incl. cutting equipment 46 cm	890 mm
	engine unit without spiked bumper	445 mm
Width	engine unit	198 mm
	incl. handle	248 mm
Height	engine unit	240 mm
	with front hand guard	310 mm
Stump height	chain sprocket cover	25 mm
	handle	40 mm
Tank volume	Fuel	650 ml
	Chain oil	400 ml
Weight	incl. cutting equipment 46 cm	8.1 kg
	without cutting equipment	6.7 kg

Test

Test carried out by

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

Field test

Forstliches Bildungszentrum Gehren
Landesanstalt für Ökologie, Bodenordnung und Forsten, Arnsberg

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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. 5243
DLG-test report: 5917

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.

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