

TEST REPORT



Husqvarna 560XP / 560XPG

Test no.: 6106

OWNER OF THE TEST CERTIFICATE:

Manufacturer and applicant:

Husqvarna AB
SE-561 82 Huskvarna
www.husqvarna.com





Test Results and Evaluation

Chain saws

HUSQVARNA 560 XP (Standard model)

HUSQVARNA 560 XPG (with handle heating)

Tested with 38 cm guide bar and full chisel saw chain

Husqvarna AB; SE- 561 82 Huskvarna

Test item	Test result				Evaluation	
Function	Chain saw in the power class up to 4 kW, for professional use					
Engine power	Engine speed	Torque	Spec. fuel consumption		N.E.	
$P_{max} = 3.5 \text{ kW}$	9.600 min^{-1}	3.7 Nm	59 kW/l			
$Md_{max} \text{ bei } 2.9 \text{ kW}$	7.750 min^{-1}	3.5 Nm	48 kW/l			
Fuel consumption	max. power		max. torque			
absolute / specific	2.1 l/h	410 g/kWh	1.7 l/h	494 g/kWh	+	
Exhaust emissions	Comply with EU II exhaust emissions of CE-directive 97/68/EC				o	
	Approval number: e5*97/68SH3G3*2002/88*0133*00					
Chain lubrication	at 5000 min^{-1}		at 9000 min^{-1}			
Oil consumption	min / max	3 ml/min	8 ml/min	5 ml/min	13 ml/min	o
Noise	idling speed	full load speed	Full throttle no load			
at ear of the operator	82 dB(A)	105 dB(A)	109 dB(A)		-	
	Equivalent sound pressure level, according to DIN EN ISO 22868: 106 dB(A)					
	Guaranteed sound power level according to Directive 2000/14/EC: 116 dB(A)					
Vibration	idling	full load	Racing			
Guide bar length 18"						
front handle	2,8 m/s^2	3,3 m/s^2	3,3 m/s^2		o	
rear handle	3,4 m/s^2	3,5 m/s^2	7,2 m/s^2			
Total equivalent vibration according to DIN EN ISO 22867						
front handle 3,2 m/s^2 ; rear handle 5,0 m/s^2						

Chain brake				
Handguard activation	Actuating force	aver. braking time	max. braking time	
	31 N	0,07 s	0,09 s	N.E.
Inertia activation	horizontal acceleration	vertical acceleration		
	209 m/s ²	407 m/s ²		
Kickback				
Chain stop angle	32 °			N.E.
Weight				
Weight per unit power	With cutting equipment	Without cutting equipment		
	1,9 kg/kW	1,6 kg/kW		+
Operability / handling				
Control elements	Easy to reach and use			o
Primer	Easier starting using decompression valve and manual fuel pump			+
	A combined switch for engine Off/ON and CHOKE			+
Engine control	Electronic control automatically adjusts gas mix to suit different conditions (air pressure, air filter, fuel), no adjustment of carburettor necessary.			+
Chain assembly	difficult : external transmission unit			-
	drive sprocket cover fixed with two permanently fixed nuts (replaceable)			+
Chain tensioning	Simple, on the side			o
Fuel tank	Fuel tank cover can be opened without tools, easy to access			o
Maintenance				
Air filter and spark plug cover, casing	Simple, clips removable using combination wrench			o
Air filter cleaning	Tool required for removing clip			+
soiling	low			+
Reliability	no abnormality found during the tests			o
Operating manual	clear, well illustrated			+
Operator safety				
EG-type examination test	SMP 0404/10/2235			N.E.

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

Threshold values and evaluation criteria are described in the “Information about the Utility Value Test” available from the DLG and the KWF.

Description and technical data

Engine

- Air-cooled single-cylinder two-stroke engine
- Engine displacement 59.8 cm³; bore 46 mm; stroke 36 mm
- Fuel: minimum octane number 90ROZ (mix ratio 1:50) or two stroke special fuel with “KWF-TEST“, manufacturers recommendation: Aspen
- Spark plug NGK CMR 6A
- - Idling speed 2800 min⁻¹; max. speed 14000 min⁻¹

Cutting attachment

- Clutch drum with external chain sprocket
- Guide bar with sprocket
- full chisel tooth chain
- pitch 3/8“ guage 1.5 mm
- various guide bar lengths and chain types available for this saw model

Main dimensions and weights (measured values)

Length	incl. cutting attachment 35 cm	795 mm
	engine unit without spiked bumper	445 mm
Width	engine unit	190 mm
	incl. handle	220 mm
Height	engine unit	220 mm
	with front hand guard	280 mm
Stump height	chain sprocket cover	25 mm
	handle	35 mm
Tank capacity	fuel	620 ml
	chain oil	330 ml
Net weight	incl. cutting attachment 38 cm	6.9 kg
	without cutting attachment	5.9 kg

Test

Test facilities

Kuratorium für Waldarbeit und Forsttechnik, Gross-Umstadt

Field test

FBZ Rheinland Pfalz

FA Lampertheim

Revierfösterei Ehringshausen

Author

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FPA test committee of the KWF



"Equipment and tools"

Chairman: Dr. Sebastian Paar, FBZ Laubau

FPA- approval until January 2023

In acknowledgment of the results of the test carried out by the KWF, the approved product is also entitled to carry the following the test mark: „DLG ANERKANNT“.

Herausgeber

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