



TEST REPORT

HUSQVARNA 570

TEST CERTIFICATE HOLDER:

Manufacturer and applicant:

Husqvarna AB

SE- 561 82 Huskvarna

www.husqvarna.de



Test Results and Evaluations



Chainsaw Husqvarna 570 with 46 cm bar length
Husqvarna AB; SE- 561 82 Huskvarna/Schweden

Test item		Test results				Evaluation
Function		Chain saw in the power class up to 4 kW, for professional use				
Engine power						
Power		Engine speed	Torque	Spec. fuel consumption		NE
max.	3.5 kW					
	2.6 kW	9600 min ⁻¹	3.5 Nm	51 kW/l		
		6500 ⁻¹	max. 3.9 Nm	38 kW/l		
Fuel consumption						
		max. power		max. torque		
absolute / specific		2.1 l/h	443 g/kWh	1.8 l/h	507 g/kWh	+
Exhaust emission		complies with level II of the standard 2002/88 EG system is purged with air after combustion, which leads to a significant reduction of unburned fuel in the emissions.				++
Chain lubrication						
Oil consumption		at 5000 min ⁻¹		at 9000 min ⁻¹		.
min. / max		3 ml/min	14. ml/min	5. ml/min	23 ml/min	O
Noise						
		idling	full load	racing		
Sound pressure level		83 dB(A)	107	110		--
Equivalent sound pressure level 107 dB(A) (operation modes idling/ full load/ racing with equal duration of exposure)						
Sound power level:115 dB(A) according to Directive 2000/14/EC						
Vibration						
		idling	full load	racing		
front handle	[m/s²]	4.2	2.4	2.8		+
rear handle	[m/s²]	3.6	2.9	3.7		
Equivalent vibration total value:		front/rear 3.2 / 3.4 m/s²				
Chain brake						
Hand guard activation		activation force	aver. braking time	max. braking time		NE
		35 N	0.12 s	0.14 s		
Inertia activation		horizontal acceleration		vertical acceleration		NE
		252 m/s²		505 m/s²		
Kickback						
Cutting attachment 46 cm, 3/8“		Kickback angle w. chain brake		Chain stop angle		NE
Full chisel tooth		47°		38°		

Husqvarna 570

Power to weight ratio			
	With cutting attachment	Without cutting attachment	O
	2.6 kg/kW	1.9 kg/kW	
Operability / handling			
Control elements	Easy to reach and use		+
Primer	Decompression valve		+
Chain assembly	simple, chain sprocket easily accessible		O
Chain tensioning	lateral		O
Spiked bumper	Different versions available with varying suitability for tree felling		NE
Maintenance			
Air filter and spark plug cover and housing	One-piece, requires tools		+
Air filter cleaning	1 screw connection, no tools required		+
soiling	very low		++
Reliability			
	No defects during test		+
Operating manual			
	clear, well illustrated		+
	use of special fuel recommended		++
Operator safety			
EG-type examination test	(SMP) Test certificate No. PU 75326/05/1		

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

Description and Technical Data

Motor

- Air-cooled single-cylinder two-stroke engine; with engine technology providing a smooth flow of air/fuel charge for emission reduction
- Engine displacement 68 cm³; bore 49 mm; stroke 36 mm;
- Fuel: minimum octane number 90 ROZ; mixed lubrication, 2-T- special fuel with "KWF-TEST" or regular lead-free petrol;
- Spark plug NGK BPMR 7A or Champion RCJ-7Y.

Husqvarna 570

- Idling speed: 2700 min⁻¹; max. speed: 12800 min⁻¹
- Zama membrane carburettor.

Cutting attachment

- Clutch drum with internal chain sprocket;
- Guide bar with sprocket nose, - full chisel tooth chain, pitch 3/8".
- Available guide bars lengths from 35 to 69 cm;

Main dimensions and weights

Length,	incl. cutting attachment 46 cm	890 mm
	engine unit with 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 capacity,	fuel	0.65 l
	chain oil	0.40 l
Weight,	incl. cutting attachment 46 cm	8.2 kg
	without cutting attachment	6.7 kg

Test

Test carried out by

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

Field test

Forstamt Ehringshausen

Forstliche Ausbildungsstätte Ort; A-Gmunden

Authors

Harald Krämer, DLG, Groß-Umstadt
Dietmar Ruppert, KWF, Groß-Umstadt

FPA/DLG-Test Committee

„Geräte und Werkzeuge“ (“Equipment and tools”) with 16 members
Chairman: Josef Berthold

FPA/DLG- approval:

November 2005

FPA- Index: 1.01.4178

DLG- Test Report: 5525

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

DLG-Testzentrum Technik & Betriebsmittel Groß-Umstadt

Max-Eyth-Weg 1

D-64823 Groß-Umstadt

Telephone: 069/24788-638

Fax: 069/24788-690

E-mail: H.Kraemer@dlg.org

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

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

Forsttechnischer Prüfungsausschuss (FPA)

Spremler 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



ENTAM European Network for Testing of Agricultural Machines, is a cooperation between European test stations. ENTAM aims to distribute test results for agricultural and forestry equipment throughout Europe.

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