

TEST REPORT



Husqvarna 555

Test no.: 6105

OWNER OF TEST CERTIFICATE:

Manufacturer and applicant:

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



Test Results and Evaluations



Chain saws

HUSQVARNA 555

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 semi-professional use				
Engine power					
	Engine speed	Torque	Spec. fuel consumption		N.E.
P _{max} = 3.1 kW	10.250 min ⁻¹	2.9 Nm	52 kW/l		
Md _{max} at 2.5 kW	6.750 min ⁻¹	3.5 Nm	42 kW/l		
Fuel consumption					
	max. power	max. torque			
absolute / specific	1.7 l/h	376 g/kWh	1.6 l/h	449 g/kWh	+
Exhaust emissions					
Comply with type approval Level II of the guideline 2002/88/EG					o
Approval number: e5*97/68SH3G3*2002/88*0138*00					
Chain lubrication					
Oil consumption	at 5000 min ⁻¹		at 9000 min ⁻¹		
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)					
Acoustic power, according to DIN EN ISO 22868: 116 dB(A)					
(average between: idling/ full load/ full throttle)					
Vibration					
	idling speed	full load speed	Full throttle no load		
front handle	2.8 m/s ²	3.3 m/s ²	1.6 m/s ²		o
rear handle	3.9 m/s ²	3.1 m/s ²	2.3 m/s ²		
Total equivalent vibration according to DIN EN ISO 22867					
front handle 2.7 m/s ² ; rear handle 3.2 m/s ²					

Chain brake					
Handguard activation		Actuating force	aver. braking time	max. braking time	N.E.
		31 N	0.07 s	0.09 s	
Inertia activation		horizontal acceleration		vertical acceleration	
		209 m/s²		407 m/s²	
Kickback					
Chain stop angle		32 °			N.E.
Weight					
Weight per unit power		With cutting equipment		Without cutting equipment	
		2.1 kg/kW		1.8 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
Refuelling		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			o
	soiling	elevated			-
Reliability		During the test, no damage occurred			o
Operating manual		clear, well-illustrated			+

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 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 2.800 min⁻¹; max. speed 13.500 min⁻¹

Cutting attachment

- Clutch drum with external chain sprocket
- Guide bar with sprocket
- full chisel tooth chain
- pitch 3/8", gauge 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	6.6 kg
	without cutting attachment	5.6 kg

In acknowledgement of the results of the test carried out by the KWF the approved product is also entitled to carry the following test marks: "DLG anerkannt".

Test committee: tools and equipment Chairman: Dr. Sebastian Paar, Laubau

Inspection closed: January 2019

Approval until: January 2024

First approval: June 2012

Responsible test engineer

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practical application carried out by professional user

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