

TEST REPORT



Husqvarna 550 XP Mark II Husqvarna 550 XPG Mark II

Test number: 8721

OWNER OF THE TEST CERTIFICATE:

Manufacturer and applicant:

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



550 XP Mark II



550 XPG Mark II



Test results and evaluations

Chain saws

HUSQVARNA 550 XP Mark II (Standard version)

HUSQVARNA 550 XPG Mark II (handle heating version)

Tested 0.325" 16" guide bar with semi 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. power	N.E.
$P_{max} = 3.1 \text{ kW}$	10.200 min^{-1}	2.9 Nm		62 kW/l	
$Md_{max} \text{ at } 2.6 \text{ kW}$	7.800 min^{-1}	3.2 Nm		51 kW/l	
Fuel consumption	max. power		max. torque		
absolute / specific	1.6 l/h	446 g/kWh	1.5 l/h	477 g/kWh	+
Exhaust emissions	Comply with stage V of directive 97/68/EG in the version (EU) 2016/1628				o
	Approval number: e5*2016/1628*2016/1628SHB3/P*0012*00				
Chain lubrication	at 5.000 min^{-1}		at 9.000 min^{-1}		
Oil consumption					
min / max	3 ml/min	5 ml/min	7 ml/min	11 ml/min	o
Noise	idling speed	full load speed	Full throttle no load		
at ear of the operator	84 dB(A)	108 dB(A)	109 dB(A)		-
	Equivalent sound pressure level, according to DIN EN ISO 22868: 107 dB(A)				
	Equivalent sound power level, according to DIN EN ISO 22868: 115 dB(A)				
Vibration	idling speed	full load speed	Full throttle no load		
front handle [m/s^2]	4.6	2.4	2.9		o
rear handle [m/s^2]	4.2	4.6	5.3		
Total equivalent vibration according to DIN EN ISO 22867					
front handle 3.5 m/s^2 ; rear handle 4.7 m/s^2					

Chain Brake				
Handguard activation	Actuating force 26 N	Average braking time 0.06 s	Maximum braking time 0.08 s	N.E.
Inertia activation	horizontal acceleration 266 m/s ²		vertical acceleration 514 m/s ²	
Kickback				
Kickback angle	22 °			N.E.
Weight				
Weight per unit power	With cutting equipment 2.1 kg/kW		Without cutting equipment 1.7 kg/kW	+
Operability / handling				
Control elements	Easy to reach and use			o
Machine start	manual fuel pump for easy starting			+
	Combined switch for engine ON-OFF and CHOKE			+
Engine control	Electronic control adjusts mix automatically to suit the present working conditions (air pressure, air filter, fuel), Carburettor adjustments not required			++
Chain assembly	difficult, external clutch drum			-
	Chain wheel cover secured by two captive nuts (replaceable)			+
Chain tensioning	simple, side-mounted chain tensioner			o
Fuel tank	Fuel tank cover can be opened without tools, easy to access			o
Maintenance				
Engine, air filter and spark plug cover, casing	Simple, clips removable using combination wrench			o
Air filter cleaning	Tool required for removing clip			o
soiling	low			+
Reliability	No damage during the test			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
- Displacement 50.1 cm³; bore 43 mm; stroke 34.5 mm
- Fuel: minimum octane number 90 ROZ (Mixture 1:50) or two-stroke special fuel with “KWF-Test”; manufacturers recommendation: Aspen
- Spark plug NGK CMR6H
- Idling speed 2.800 min⁻¹

Cutting equipment

- Clutch drum with external chain sprocket
- Guide bar with chain sprocket
- full chisel tooth chain
- Pitch 0,325“, gauge 1,5 mm
- Choice of cutting bar lengths and chain types are available for this saw

Main dimensions and weights (measured values)

Length	incl. cutting equipment, cutting length 16”	800 mm
	engine unit without spiked bumper	440 mm
Width	engine unit	175 mm
	incl. handle	220 mm
Height	engine unit	220 mm
	with front hand guard	280 mm
Stump height	chain sprocket cover	24 mm
	handle	28 mm
Tank volume	fuel	500 ml
	chain oil	300 ml
Weight	incl. cutting equipment, cutting length 16”	6.4 kg / 6.6 kg
	XP / XPG version without cutting equipment	5.3 kg / 5.5 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: April 2019
Approval until: April 2024
First approval: April 2019
Responsible test engineer

Patrick Müßig
muessig@kwf-online.de

practical application carried out by professional user

Kuratorium für Waldarbeit und Forsttechnik e.V.
 Spremberger Straße 1
 64823 Groß-Umstadt - Germany
 Telephone 06078-785-0
 Telefax: 06078/785-50
 Homepage: www.kwf-online.de