

TEST REPORT



Makita Type 130 (Makita EA6100P, EA6101P, Dolmar PS-6100, PS 6100 H)

Test number: 8723

OWNER OF THE TEST CERTIFICATE:

Makita Corporation
3-11-8, Sumiyoshi-Cho, Anjo
Aichi 446-8502, Japan

www.makita.de





Test Results and Evaluations

Chain-saw MAKITA Type 130 tested in the following versions

Makita EA6100P (standardversion) , EA6101P (heated handle version)

Dolmar PS-6100 (standardversion), PS 6100 H (heated handle version)

Tested with 50 cm Power Match Bar and 3/8" full chisel saw chain 73LP

Manufacturer: Makita Corporation; 3-11-8, Sumiyoshi-Cho, Anjo; Aichi 446-8502, Japan

Test item	Test results				Evaluation
Class	Chain saw in the power class between 3 and 4 kW, for professional use				
Engine power					
P _{max} = 3.4 kW	Engine speed	Torque	Spec. fuel consumption		N.E.
Md _{max} at 2.6 kW	9250 min ⁻¹	3.4 Nm	56 kW/l		
	6500 min ⁻¹	3.8 Nm	43 kW/l		
Fuel consumption					
	max. power	max. torque			
absolute / specific	1.9 l/h	395 g/kWh	1.5 l/h	395 g/kWh	+
Exhaust emissions					
Comply with type approval Level II of the guideline 2002/88/EG					o
Approval number: e1*97/68SH3-IIA*2012/46*0763*00					
Chain lubrication					
Oil consumption	at 5000 min ⁻¹		at 9000 min ⁻¹		
min / max	4 ml/min	6 ml/min	9 ml/min	16 ml/min	o
Noise					
Sound pressure	idling speed	full load	Full throttle		
at ear of the operator	79 dB(A)	102 dB(A)	108 dB(A)		o
Equivalent sound pressure level, according to DIN EN ISO 22868: 105 dB(A)					
Sound power levelAcoustic power, according to DIN EN ISO 22868: 117 dB(A)					
Vibration					
	idling speed	full load speed	Full throttle no load		
front handle	5.9 m/s ²	3.9 m/s ²	4.2 m/s ²		o
rear handle	4.9 m/s ²	3.7 m/s ²	3.9 m/s ²		
Equivalent vibration according to DIN EN ISO 22867					
front handle 4.8 m/s ² ; rear handle 4.2 m/s ²					

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Chain brake				
Handguard activation	Actuating force	aver. braking time	max. braking time	N.E.
	26 N	0.05 s	0.1 s	
Inertia activation	horizontal acceleration		vertical acceleration	
	331 m/s²		654 m/s²	
Kickback				
Chain stop angle	36 °			N.E.
Weight				
Weight per unit power	With cutting equipment		Without cutting equipment	o
	2.0 kg/kW		1.8 kg/kW	
Operability / handling				
Control elements	Easy to reach and use			o
Machine start	Mechanical starter (Easystart), Combined switch for engine ON-OFF and CHOKE			+
Engine control	The setting range for the carburettor/idling screw has been restricted because the carburettor is factory adjusted for emission optimization			o
Chain assembly	Easy to reach and operate			o
Chain tensioning	Simple, side chain tensioner			o
	side tensioner under chain sprocket cover, tools required			o
Fuel tank	Fuel tank covers 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	No tools required		+
	soiling	low		+
Reliability	After 30 fuel tank refills, one sample model experienced power loss. The replacement machine (version October 2013) worked flawlessly during the test period.			o
Operating manual	clear, well illustrated			+
Operator safety				
EG-type examination	At DPLF, certificate K-EG 2015/7479			N.E.

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 61 cm³; bore 47 mm; stroke 35 mm
- Fuel: minimum octane number (fuel mix ratio 1:50) or 2-stroke special fuel with "KWF-TEST";
Manufacturers recommendation: Aspen
- Spark plug NGK BPMR 7A
- Idling speed 2700 min⁻¹; max. speed 13800 min⁻¹

Cutting attachment

- Clutch drum with external chain sprocket
- Guide bar with 11-tooth sprocket nose
- Half or full chisel tooth chain
- pitch 3/8", gauge 1.5 mm
- additional guide bars and chain types incl. chains with a pitch of 0.325" are available for this chainsaw

Main dimensions and weights (measured values)

Length	incl. cutting attachment 45 cm	850 mm
	engine unit without spiked bumper	440 mm
Width	engine unit	205 mm
	incl. handle	240 mm
Height	engine unit	230 mm
	with front hand guard	300 mm
Stump height	chain sprocket cover	16 mm
	handle	12 mm
Tank capacity	fuel	830 ml
	chain oil	500 ml
Weight	incl. cutting attachment 43 cm	6.9 kg
	without cutting attachment	6.0 kg

Test

Test facilities

Kuratorium für Waldarbeit und Forsttechnik, Gross-Umstadt

Field test

Waldarbeitsschule Kunsterspring
Waldschweiz, Solothurn
Landesbetrieb Wald und Holz NRW

FPA/DLG- approval until November 2023

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 SIGNUM ANERKANNT".

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

Inspection closed: November 2018
Approval until: November 2023
First approval: Januar 2014
Responsible test engineer:
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practical application carried out by professional user

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