

# TECHNICAL INFORMATION



PRODUCT

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**Model No.** ▶ SP6000

**Description** ▶ Plunge Cut Circular Saw 165mm (6-1/2")

## CONCEPT AND MAIN APPLICATIONS

Model SP6000 is the first Makita plunge cut saw.

Features great conveniences such as;

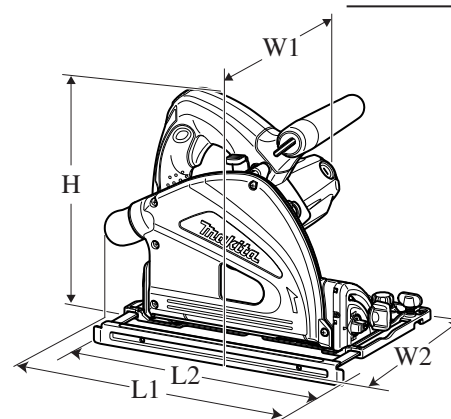
- Depth stopper for splinter-free cutting

- Tip-resistant design

See next page for detailed information on benefits.

This product is available in the following variations.

Model No.	Carrying case	Guide rule
SP6000	No	Yes
SP6000K	Yes	No



Dimensions: mm (")	
Length (L1)	341 (13-3/8)
Width (W1)	225 (8-7/8)
Height (H)	250 (9-7/8)

Base Size: mm (")	
Length (L2)	306 (12)
Width (W2)	168 (6-5/8)

## ► Specification

Voltage (V)	Current (A)	Cycle (Hz)	Continuous Rating (W)		Max. Output (W)
			Input	Output	
110	12	50/60	1,300	750	1,800
120	12	50/60	---	750	1,800
220	6.2	50/60	1,300	750	2,000
230	6.0	50/60	1,300	750	2,000
240	5.7	50/60	1,300	750	2,000

Size of blade: mm (")	Diameter	165 (6-1/2)
	Hole diameter	20 (13/16)
No load speed: rpm= min.-1		2,000 - 5,200
Max cutting capacity: mm (")	0 degree	55 (2-3/16)
	45 degrees	39 (1-9/16)
	48 degrees	37 (1-7/16)
Protection against electric shock		Double insulation
Cord length: m (ft)		European countries: 4.0 (13.1) Other countries: 2.5 (8.2)
Net weight*: Kg (lbs)		4.1 (9.1)

\*Catalog value, without blade

## ► Standard equipment

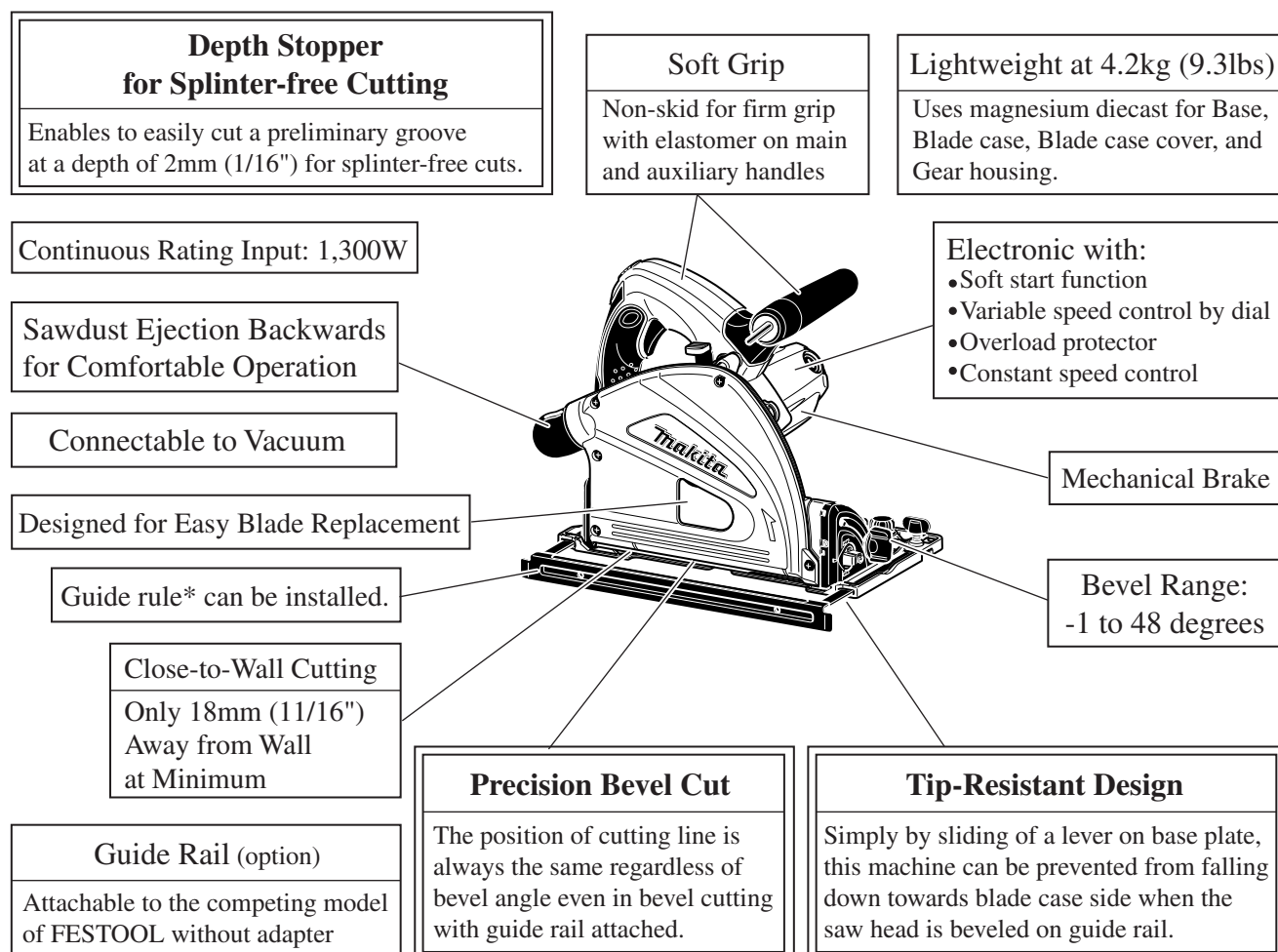
TCT saw blade ..... 1 pc  
 Hex wrench 5 ..... 1 pc  
 Guide rule ..... 1 pc (for SP6000 only)  
 Carrying case ..... 1 pc (for SP6000K only)

**Note:** The standard equipment for the tool shown may differ from country to country.

## ► Optional accessories

Saw blades	Guide rail 1400	Clamp
Position seat	Guide rail 3000	Stopper
Rubber seat	Angular guide	
Seat	Guide rule	

## ► Features and benefits



\*Guide rule is:  
supplied with Model SP6000.  
an option for Model SP6000K.

## Comparison of products

### Specification Comparison

Specifications		Model No.	Makita	FESTOOL	Mafell
			SP6000	TS55/ TS55E	KST55SE/ KST55S
Saw blade	Type		TCT saw blade	TCT saw blade	TCT saw blade
	Number of teeth		48	48	32
	Diameter: mm (")		165 (6-1/2)	160 (6-5/16)	160 (6-5/16)
	Hole diameter: mm (")		20 (13/16)	20 (13/16)	20 (13/16)
Continuous rating input: W			1,300	1,050/ 1,200	1,350/ 1,100
Rated amperage for North America: A			12	N/A/ 10	---
No load speed: rpm = min <sup>-1</sup>			2,000 - 5,200	6,500/ 2,000 - 5,200	2,600 - 5,200/ 5,200
Max cutting capacity: mm (")	at 0 degree		55 (2-3/16)	55 (2-3/16)	55 (2-3/16)
	at 45 degrees		39 (2-9/16)	43 (1-11/16)	39 (1-9/16)
	at 48 degrees		37 (1-7/16)	---	38 (1-1/2)
Close-to-wall cut*: mm (")			18 (11/16)	18 (11/16)	29 (1-8/8)
Bevel range: degree			-1 - 48	0 - 45	-1 - 48
Brake			Mechanical	Electric	Mechanical
Electronic control	Constant speed		Yes	No/ Yes	Yes/ N/A
	Soft start		Yes	No/ Yes	Yes/ N/A
Variable speed control by dial			Yes	No/ Yes	Yes/ No
Overload protection			Yes (current limiter)	N/A/ Yes (current limiter + motor thermometer)	Yes (current limiter)/ N/A
Soft grip			Yes	Yes	No
Auxiliary handle			Yes (with elastomer)	Yes (without elastomer)	No
Guide rail			Attachable	Attachable	Attachable
Connectable to vacuum [Nozzle diameter: mm (")]			Yes [36 (1-7/16)]	Yes [36 (1-7/16)]	Yes [35 (1-3/8)]
Material of base plate			Magnesium diecast	Magnesium diecast	Magnesium diecast
Cord length: m (ft)			Europe: 4.0 (13.1) Other countries: 2.5 (8.2)	4.0 (13.1)	4.0 (13.1)
Dimensions: mm (")	Length		341 (13-3/8)	349 (13-3/4)	330 (13)
	Width		225 (8-7/8)	214 (8-3/8)	250 (9-7/8)
	Height		250 (9-7/8)	245 (9-5/8)	215 (8-1/2)
Net weight**: kg (lbs)			4.1 (9.1)	4.4 (9.7)/ 4.5 (9.9)	4.0 (8.8)
Standard equipment			TCT saw blade Hex wrench 5 Carrying case (SP6000K) Guide rule (SP6000)	TCT saw blade Wrench 13 (Carrying case)	TCT saw blade Wrench 13 Guide rule Carrying case

\*when cutting without guide rule    \*\*Catalog value, without blade

## ► Comparison of products

### Performance Comparison

**Models tested for comparison:** Makita SP6000, FESTOOL TS55EQ, MAFELL KST55SE

**Note:** 1. The test results depend to a great extent on the hardness of materials, etc.

2. The numbers in the bar charts below are relative values when the capacities of FESTOOL TS55EQ are indexed at 100.

#### Blade used for test

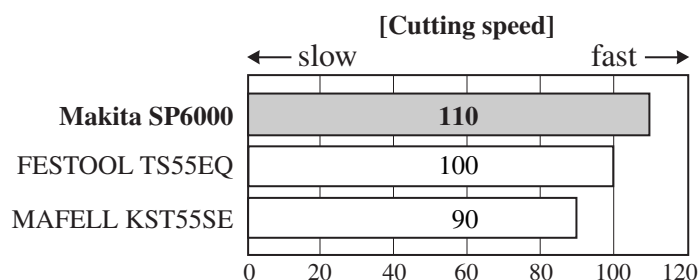
#### Tests 1 - 3: TCT saw blade supplied with each model

##### [Test 1]

##### Test conditions

Test material: Kitchen board (width: 600mm, thickness: 12mm) of composite material; plastic and wood

Cutting depth: Max. capacity of each model

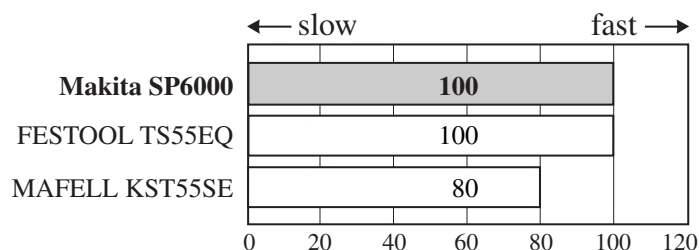


##### [Test 2]

##### Test conditions

Test material: Chip board (width: 600mm, thickness: 40mm)

Cutting depth: Max. capacity of each model

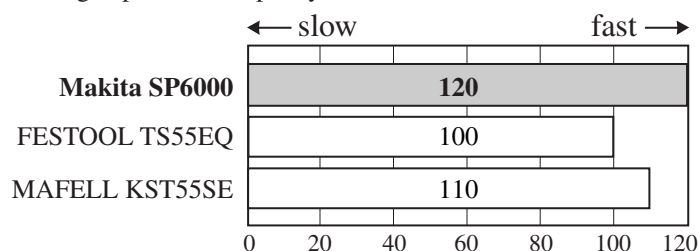


##### [Test 3]

##### Test conditions

Test material: MDF (width: 400mm, thickness: 24mm)

Cutting depth: Max. capacity of each model



##### [Test 4]

##### Test conditions

Test material: Kitchen board (width: 600mm, thickness: 12mm) of composite material; plastic and wood

Cutting depth: Max. capacity of each model

