

# TECHNICAL INFORMATION

**Makita**

New Tool

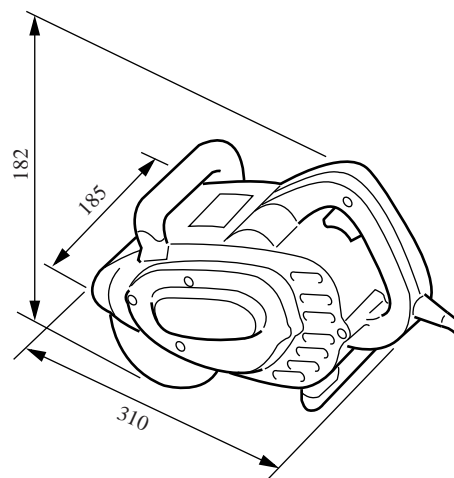
**Models No.** ▶ 9741

**Description** ▶ Makita wheel type sanding machine

## CONCEPTION AND MAIN APPLICATIONS

The product is the multi-purpose sanding machine which can efficiently conduct the wood grain texture revealing, rust or paint removing, and polishing processes by using various wheels.

The model 9740 is supplied with a nylon brush wheel 120-100 and a wooden box. The model 9741 is supplied with a slitted paper wheel 120-40 and steel box.



### ▶ Specifications

Voltage(V)	Current(A)	Frequency(Hz)	Continuous rating input(W)	Rated output(W)	Max. output(W)
100	11	50-60	1050	600	830
115	7.8	50-60	860	480	830
200	4.5	50-60	860	480	830
220	4.1	50-60	860	480	830
230	3.9	50-60	860	480	830
240	3.8	50-60	860	480	830

<b>No load speed(/min.)</b>	3,500/min
<b>Wheel dimension</b>	100mm x 120mm
<b>Useable wheel dimension</b>	70 to 100 mm in diameter and 120 mm in thickness Rollers are installed in front and the rear of the roller and the front roller is adjustable in the vertical direction.
<b>Weight(kg)</b>	4.2kg
<b>Cord length(m)</b>	5m

### ▶ Standard equipment

- Joint (to connect a dust collector)
- Hex. wrench 6 --- 2 pieces (to mount and dismount wheels.)

### ▶ Optional accessories

- Nylon brush wheel 120-100 (for grain texture revealing, rough finishing, and rust removing processes)
- Nylon brush wheel 120-240 (For grain texture revealing process)
- Wire brush wheel 120 (for removing rust)
- Slitted paper wheel 120-40 (For removing rust and paint)
- Cotton buff wheel 120 (for polishing)

The standard equipment for the tools shown may differ from country to country

## ► Features and benefits

1. The product can be used for variety of sanding jobs by changing the wheels, such as grain texture revealing, rust removing, paint removing, and polishing, etc.
2. You can conduct the stable sanding works as works can be sanded with the constant force by properly adjusting the front roller.
3. As the machine is well balanced laterally, you can conduct jobs more easily, and eliminate the one-sided wear of wheels.
4. The sanding machine can be connected to a dust collector #401, #402, or #403 or a home use vacuum cleaner with the supplied joint for pleasant working condition.
5. The nylon brush and slitted paper wheel can fit the convex or concave contour to allow sanding the curved surfaces.

## ► Capacity

Uses and performance

### 1. Main uses of the wheels

	Grain texture revealing		Rust removing	Paint removing	Polishing	Concrete mold cleaning
	Rough finish	Finish				
Nylon brush wheel 120-100	○		○	○		
Nylon brush wheel 120-240		○				
Slitted paper wheel 120-40			○	○		
Wire brush wheel 120			○	○		○
Cotton buff wheel 120					○	

### 2. Performance

#### a) Grain texture revealing process

The process is to stand out the hard part (wood ring hard part representing growth in winters) of the wood grain texture by grinding off only the soft part. The grain texture is revealed in about 3 minutes for a ceiling board with 30 cm in width and 2m in length by sanding it with the nylon brush wheel 120-100 (abrasive grain size 100).

And the hard grain texture part becomes glossy by finishing the board with the nylon brush wheel 120-240 (abrasive grit 240) (for about 3 minutes) after sanding with the nylon brush wheel 120-100.

#### b) Rust and paint removing

The slitted paper wheel 120-40 (abrasive grit AA40) can uniformly contact with the sanding surface, is less loaded with sanding dust, and can keep the cutting effect in the new condition for long.

This is suitable for jobs usually considered unsuitable for the disk type sanding machine (with the efficiency about three times better than the model 9500H). It can also remove only painted coating or rust efficiently without damaging the base surface. (Standard belt type sanding machines tend to cut into the base surface.)

The table below shows times (reference value) required to remove rust or paint off a steel plate of 1.62 m<sup>2</sup> in area.

Rust removing
  Paint removing

Wheels	Times
Slitted paper wheel 120-40	<div style="display: flex; align-items: center; justify-content: center;"> <div style="width: 100px; height: 10px; border: 1px solid black; margin-right: 5px;"></div> <span>6 minutes 45 seconds</span> </div>
	<div style="display: flex; align-items: center; justify-content: center;"> <div style="width: 300px; height: 10px; background-color: black; margin-right: 5px;"></div> <span>19 minutes 3 seconds</span> </div>
Nylon brush wheel 120-100	<div style="display: flex; align-items: center; justify-content: center;"> <div style="width: 100px; height: 10px; background-color: black; margin-right: 5px;"></div> <span>6 minutes 58 seconds</span> </div>
Wire brush wheel 100	<div style="display: flex; align-items: center; justify-content: center;"> <div style="width: 100px; height: 10px; background-color: black; margin-right: 5px;"></div> <span>7 minutes 53 seconds</span> </div>

c) Polishing

The cotton buff wheel can polish and also remove wax adhered to the painted surfaces after waxing the surface which is difficult with the wool buff wheel.

d) Concrete mold cleaning

The wire brush wheel can remove concrete adhered to the molds without much damaging the mold surfaces.

## ► Repair

### 1. Replacement of the armature

Disassembling sequence

- (1) Dismantle the wheel.
- (2) Remove the grip and carbon brush.
- (3) Remove the pan head setting screws from 1 to 5 shown in the fig. on the right, gear housing and then housing to dismantle the armature.

