

# T ECHNICAL INFORMATION



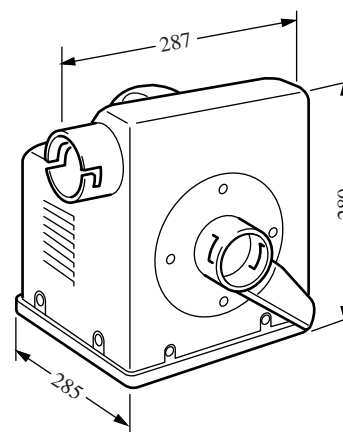
New Tool

**Models No.** ▶ 410

**Description** ▶ MAKITA Dust collector

## CONCEPTION AND MAIN APPLICATIONS

The dust collector mainly for collecting the wood chips discharged from the various wood processing machine. Once the special accessories or the hose and nozzle etc. have been installed, this machine also can act as the Conveyance equipment for cutting wastes or the Blower.



### ► Specifications

Voltage (V)	Current (A)	Cycle (Hz)	Continuous rating		Max. Output(W)
			Input(W)	Output(W)	
100	11.0	50/60	1050	650	820
115	9.0	50/60	900	610	770
200	5.5	50/60	1050	650	820
220	4.7	50/60	900	610	770
230	4.5	50/60	900	610	770
240	4.3	50/60	900	610	770

<b>No load speed (R.P.M.)</b>	10000/min
<b>Max. peak air flow</b>	8.7 m <sup>3</sup> /min
<b>Max. sealed suction</b>	510 mm in water column (*The air volume and vacuum degree while the hose and dust bag are being installed.)
<b>Net Weight (kg)</b>	9.3 kg
<b>power supply cord (m)</b>	5 m

### ► Standard equipment

Dust bag---One piece  
Hose complete(2.5 m in length)---One piece

### ► Optional accessories

Each hood for each large model wood process machine(#2004, #2006, #2030, #2030N, #2040)  
Nozzle and cover(for blowing)  
Hose complete(same as the ones for the normal accessories)  
Hose 5m, 10m,  
Hose joint(for extending the hose)  
Clamp 90(for fixing the hose)

### ► Features and benefits

1. The Dust collecting amount can reach to 200 L corresponding to that of the large model, regardless of the small model and light weight.(The capacity of Hitachi R-100 model with weight of 30 kg : 180L)
2. The safety switch with which the operation cannot start unless the hose or the cover is installed on the suction port.
3. The vibration proof construction, wherein the fan vibration caused by high speed rotation is not released to outside.
4. The heating damage preventing unit is mounted to protect the motor from heating damage by the overload caused when the debris accidentally has been clogged in the fan.
5. With the built-in peep hole on the dust bag, the dust amount can be easily checked.
6. The accessory hood allows to collect cutting chips directly from the large model wood processing machine.
7. Once the attached nozzle and cover have been installed, the machine can play as the Blower.

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

## ► Capacity

1. Relationship between the length of hose and air volume.

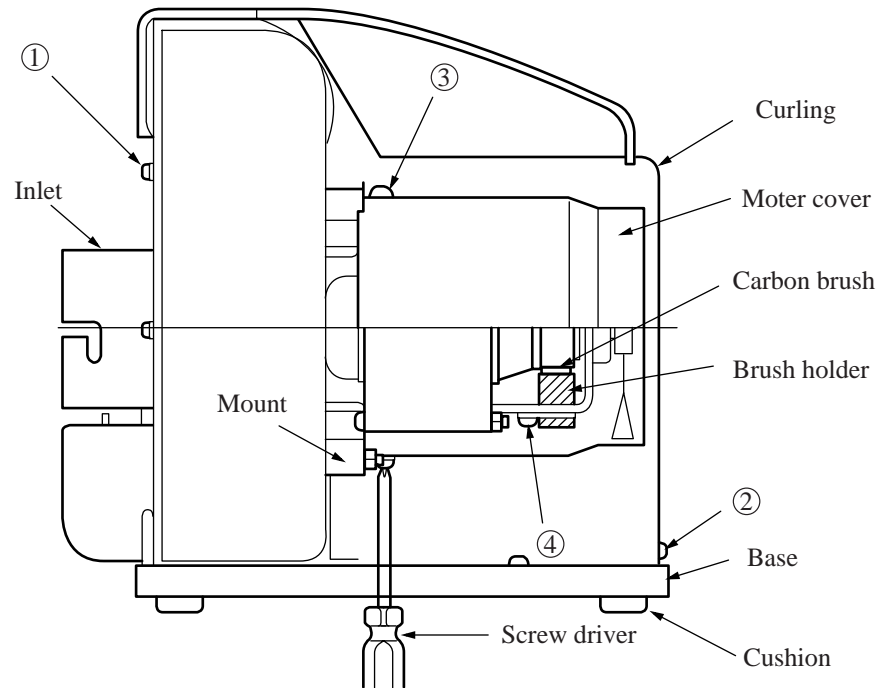
<b>Length of hose (m)</b>	2.5	5.0	10.0	20.0
<b>Air volume (m<sup>3</sup>/min.)</b>	8.7	7.8	7.0	4.9

2. The length of hose which is available when collecting or transporting directly of portions from large machine for wood(The total length of both intake and exhaust sides of hose).

<b>Model</b>	<b>Length of hose which is available (m)</b>
2004	20 m
2006	
2030N, 2031N 2030NC, 2031NC	
LM3001, 2030 2031, 2032	
2040	
	2.5 m

Note) If the value of length exceeds that of the above, chips are sometimes blocked.

## ► Repair



### (1) Replacing of the carbon brush

- Loosen the screws 1 and 2 to disconnect the inlet and curling.
- Loosen the screw 3 to disconnect the motor cover. At this time insert the screw driver through the base hole to loosen the 2 pieces of screws at under side.
- Loosen the screw 4 to replace the carbon brush. Be sure to insert the tool on the edge of the field lead wire into the tool of the carbon brush at this time.

(Reference) The service life of the carbon brush is about 1,000-hr.

### (2) Mounting of the cushion

Apply the screw lock super 103Q and screw at the fastening torque of 3.5 kg-cm.

### (3) Mounting of the mount(Vibration proof rubber)

Manually fasten the mount while holding the rubber portion by hands.

### (4) Mounting of the fan 130

The fastening torque of the nut is 100-200 kg-cm.

### (5) Replacing of the motor

For replacing the motor, see the technical information of #401(BL-0765). Use care that the fan for cooling the motor is screwed by the left-handed screw.

### (6) Tool required

- +screw driver
- Spanner 8, 10, 14
- Plate spanner(Thin port) 19
- Box wrench 17

