



Photo: HR4511C

## Comparison of Efficiency

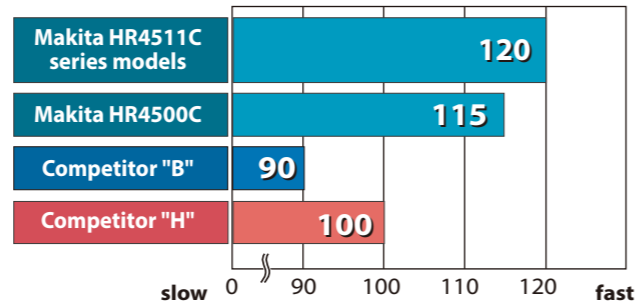
Note: 1. It may differ under some conditions.  
2. Numbers in the charts below are relative values when the capacities of Competitor "H" are indexed at 100.

### 1 Drilling

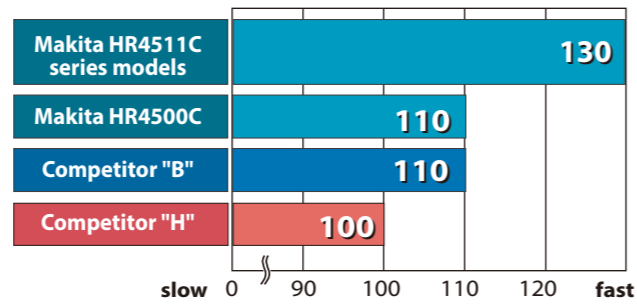
Test conditions:

Drilled in concrete with compressive strength of 40N/mm<sup>2</sup>.

Bit diameter: 25mm



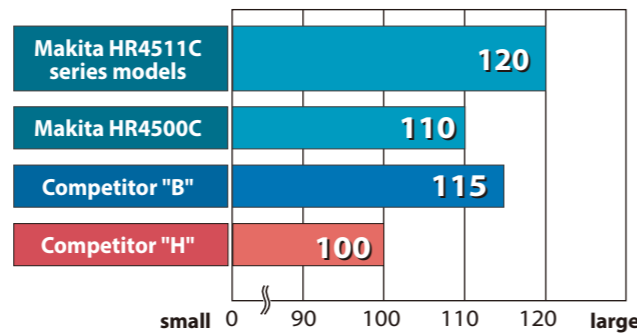
Bit diameter: 40mm



### 2 Chipping

Test conditions:

Chipped concrete with compressive strength of 40N/mm<sup>2</sup>.



Rotary Hammer	HR4511C / HR4510C / HR4501C 45mm (1-3/4")	171																																				
Double Insulation																																						
Variable Speed																																						
Electronic Speed Control																																						
Soft Start																																						
Torque Limiter																																						
Adapted for SDS-MAX bits																																						
Carrying Case																																						
	<table border="1"> <thead> <tr> <th></th> <th>HR4511C</th> <th>HR4510C</th> <th>HR4501C</th> </tr> </thead> <tbody> <tr><td>Continuous rating Input</td><td>1,350W</td><td>1,350W</td><td>1,350W</td></tr> <tr><td>Max. bit dia.</td><td>45mm (1-3/4")</td><td>45mm (1-3/4")</td><td>45mm (1-3/4")</td></tr> <tr><td>Max. core bit dia.</td><td>125mm (5")</td><td>125mm (5")</td><td>125mm (5")</td></tr> <tr><td>Impacts per minute (ipm)</td><td>1,250-2,750</td><td>1,250-2,750</td><td>1,250-2,750</td></tr> <tr><td>No load speed (rpm)</td><td>130-280</td><td>130-280</td><td>130-280</td></tr> <tr><td>Dimensions (L x W x H)</td><td>458 x 136 x 288mm (18" x 5-3/8" x 11-3/8")</td><td>458 x 136 x 288mm (18" x 5-3/8" x 11-3/8")</td><td>458 x 121 x 288mm (18" x 4-3/4" x 11-3/8")</td></tr> <tr><td>Net weight</td><td>8.5kg (18.7lbs)</td><td>8.4kg (18.5lbs)</td><td>7.8kg (17.2lbs)</td></tr> <tr><td>Power supply cord</td><td>5.0m (16.4ft)</td><td>5.0m (16.4ft)</td><td>5.0m (16.4ft)</td></tr> </tbody> </table>		HR4511C	HR4510C	HR4501C	Continuous rating Input	1,350W	1,350W	1,350W	Max. bit dia.	45mm (1-3/4")	45mm (1-3/4")	45mm (1-3/4")	Max. core bit dia.	125mm (5")	125mm (5")	125mm (5")	Impacts per minute (ipm)	1,250-2,750	1,250-2,750	1,250-2,750	No load speed (rpm)	130-280	130-280	130-280	Dimensions (L x W x H)	458 x 136 x 288mm (18" x 5-3/8" x 11-3/8")	458 x 136 x 288mm (18" x 5-3/8" x 11-3/8")	458 x 121 x 288mm (18" x 4-3/4" x 11-3/8")	Net weight	8.5kg (18.7lbs)	8.4kg (18.5lbs)	7.8kg (17.2lbs)	Power supply cord	5.0m (16.4ft)	5.0m (16.4ft)	5.0m (16.4ft)	
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	<b>Standard Equipment</b>																																					
	Depth Gauge, Side Handle (D-shaped), Side Handle (Bar-shaped), Bit Grease (Tool does not come with bit.)																																					

Items of standard equipment and specifications may differ by country or area.

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## Rotary Hammer

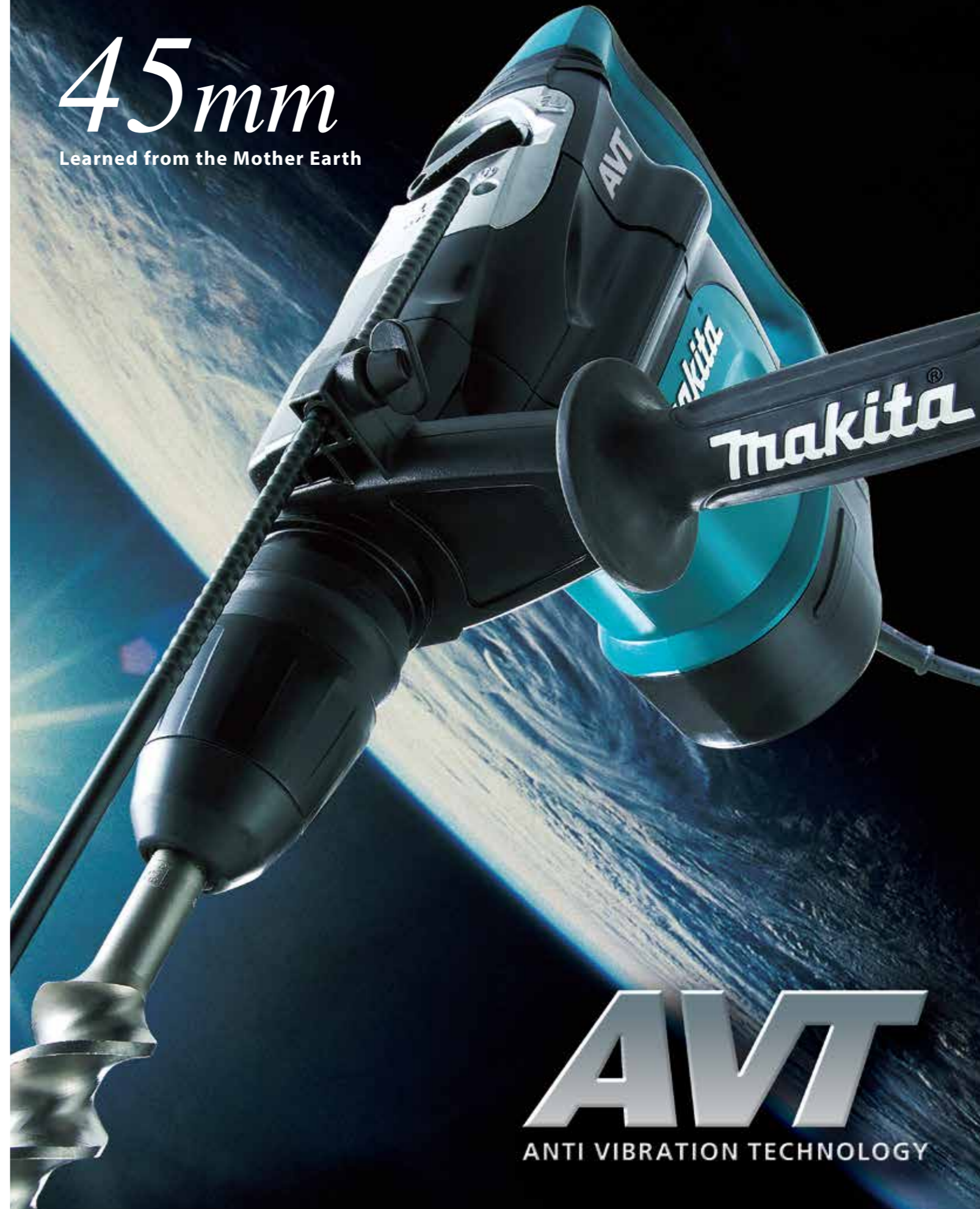
HR4511C/ HR4510C/ HR4501C 45mm (1-3/4")



Adapted for SDS-MAX bits

# 45mm

Learned from the Mother Earth



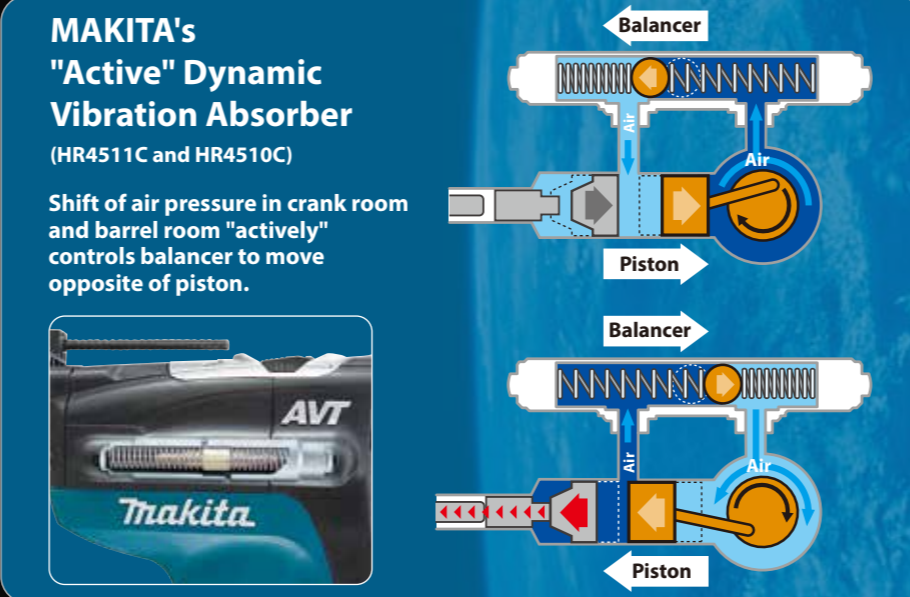
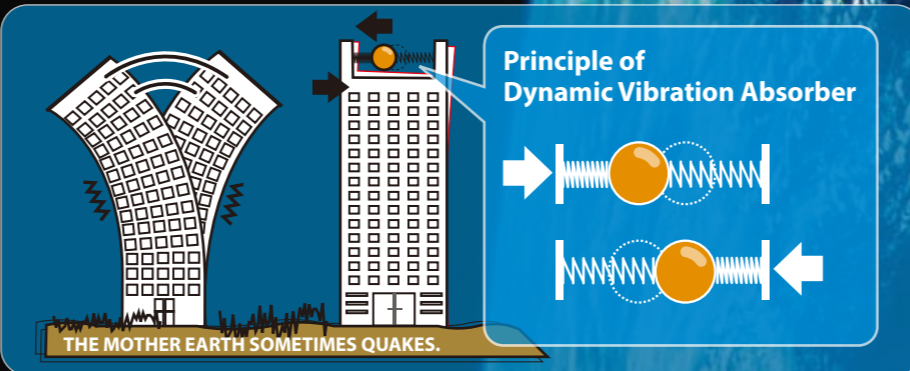
# AVT

ANTI VIBRATION TECHNOLOGY



# Learned from the Mother Earth

How to generate POWER  
How to manage VIBRATION  
How to bring you COMFORT



**See the Result of AVT** Comparison of Vibration level\* and Time to reach ELV (Exposure Limit of Vibration)\*\*

	50min	100min	150min	200min	Time to reach ELV
HR4511C	● 7.5 m/s <sup>2</sup>				213min
HR4510C	● 9.5 m/s <sup>2</sup>				133min
HR4501C				○ 16 m/s <sup>2</sup>	47min
HR4500C				○ 18.0 m/s <sup>2</sup>	37min
Competitor "H"				○ 17.0 m/s <sup>2</sup>	42min
Competitor "B"				○ 18.0 m/s <sup>2</sup>	37min
Competitor "D"				○ 15.0 m/s <sup>2</sup>	53min

Vibration level: 10m/s<sup>2</sup> 15m/s<sup>2</sup> 20m/s<sup>2</sup>

\*It is known as the tri-axial value and value at Directive of A(8).  
\*\*It means the maximum amount of vibration that an operator may be exposed to on any single day.

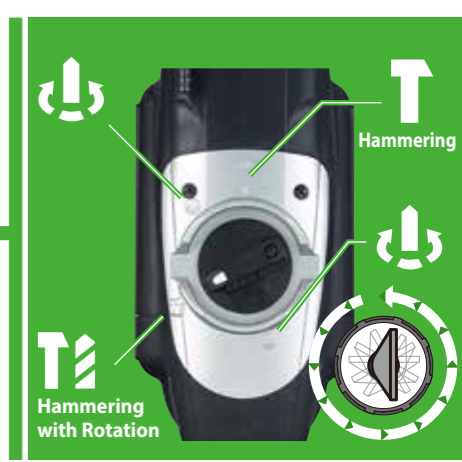
# AVT

ANTI VIBRATION TECHNOLOGY

- LED lamp** for indication of "Green" :: being electrified of "Blinking Red" :: replacing of carbon brush
- Auto Cut-Out Carbon Brush** protects commutator and indicates time for maintenance.
- Electronic control features** Variable speed control by dial Constant speed control, Soft Start variable speed control
- Longer life of Carbon brushes** features twice as long as that of Predecessor model by employing large carbon brush.
- No Hammering while Idling** ensures machine's long life.
- Slide Chuck** :: push-in and Go :: slide-back and Pull
- Torque Limiter** when drill bit hits against reinforcements, Torque Limiter operates to stop.
- Rubberized Soft Grip** provides more control and comfort while minimizing hand fatigue and pain.
- 16 Angle Settings of Chisel bit**
- Change Lever in protected position** for reduced possibility of breakage even if the machine is carelessly down to rest.

**HR4511C Extremely Comfortable**  
Easiest to manage the exposure of vibration to hands and arms.

**AVT** Tool does not come with bit.  
/// Active Dynamic Vibration Absorber  
/// Vibration Absorbing Grip



**HR4510C Easy and Very Comfortable**  
Easier to manage the exposure of vibration to body. Easy operating Slide Lock-on Switch for hammering.

**AVT** Tool does not come with bit.  
/// Active Dynamic Vibration Absorber



**HR4501C Easy and Comfortable**  
Slide Lock-on switch leaves operators' fingers out of effort to keep pulling trigger for long hours when hammering.

**AVT** Tool does not come with bit.

