



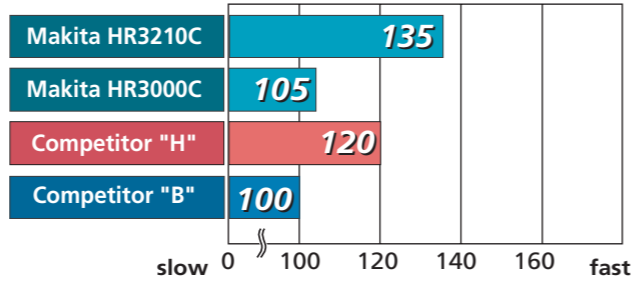
Comparison of Efficiency

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

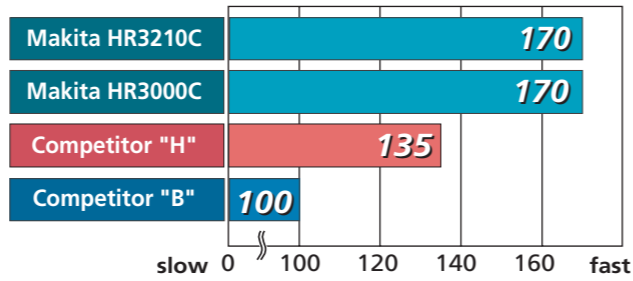
1 Drilling

Test conditions:
Drilled in concrete with compressive strength of 40N/mm².

Bit diameter: 18mm

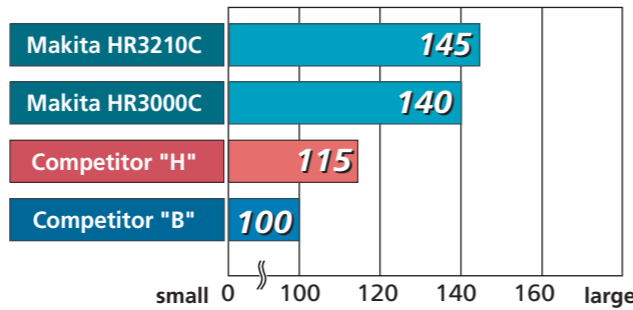


Bit diameter: 22mm



2 Chipping

Test conditions:
Chipped concrete with compressive strength of 40N/mm².



Combination Hammer	HR3210FCT / HR3210C / HR3200C	32mm (1-1/4")	350
Double Insulation	HR3210FCT	HR3210C	HR3200C
Variable Speed	850W	850W	850W
Electronic Speed Control	Max. bit dia. 32mm (1-1/4")	32mm (1-1/4")	32mm (1-1/4")
Soft Start	Max. core bit dia. 90mm (3-1/2")	90mm (3-1/2")	90mm (3-1/2")
Torque Limiter	Impacts per minute (ipm) 1,650-3,300	1,650-3,300	1,650-3,300
SDS-Plus Shank	No load speed (rpm) 315-630	315-630	315-630
Carrying Case	Dimensions (L x W x H) 424 x 114 x 239mm (16-3/4" x 4-1/2" x 9-3/8")	398 x 114 x 239mm (15-5/8" x 4-1/2" x 9-3/8")	398 x 108 x 239mm (15-5/8" x 4-1/4" x 9-3/8")
Built-in Job Light (HR3210FCT only)	Net weight 5.0kg (11.0lbs)	4.8kg (10.6lbs)	4.4kg (9.7lbs)
	Power supply cord 5.0m (16.4ft)	5.0m (16.4ft)	5.0m (16.4ft)
	Standard Equipment Quick Change Drill Chuck Set (HR3210FCT only), Depth Gauge, Side Grip, Bit Grease (Tool does not come with bit.)		

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

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PRINTED IN JAPAN Z23351-2 2008-01

Satisfy Professional's Needs

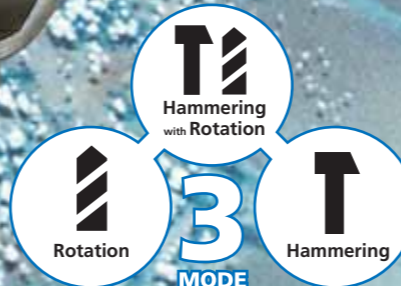


Combination Hammer 32mm (1-1/4") HR3210FCT, HR3210C, HR3200C



SDS-plus 32mm

Learned from the Mother Earth



AVT

ANTI VIBRATION TECHNOLOGY

AVT

Anti-Vibration Technology

(HR3210C and HR3210FCT only)

Learned from the Mother Earth

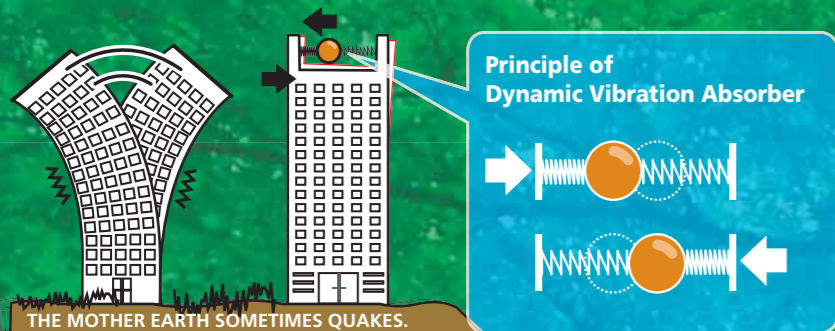
How to generate POWER
How to manage VIBRATION
How to bring you COMFORT

Powerful Impact Energy: 5.5J
Vibration Level with AVT: 10m/s²



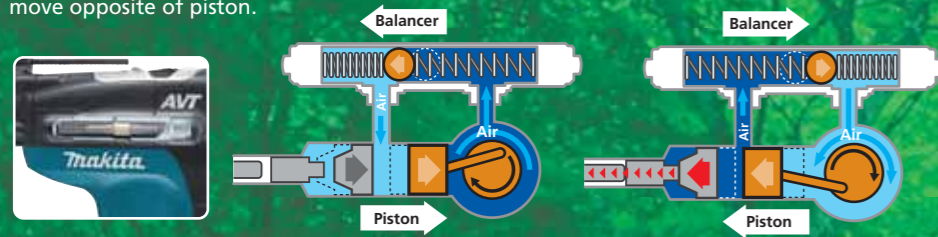
Photo: HR3210C

Forcible Drilling and Chipping with Ultra-Low Vibration



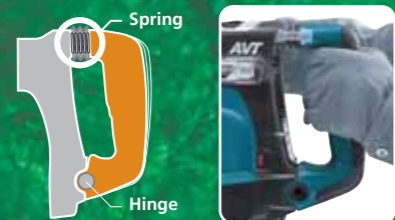
MAKITA's "Active" Dynamic Vibration Absorber

shift of air pressure in crank room and barrel room "actively" controls balancer to move opposite of piston.



Vibration Absorbing Grip

spring loaded hinged grip absorbs vibration



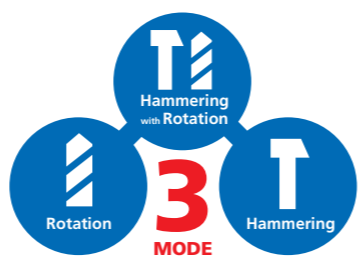
See the Result of AVT

Comparison of Vibration level* and Time to reach ELV (Exposure Limit of Vibration)**

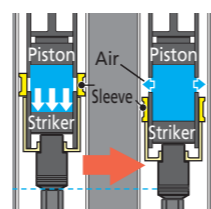
	20min	40min	60min	80min	100min	Time to reach ELV
HR3210C HR3210FCT		● 10.0m/s ²				120min
Competitor H			● 14.5m/s ²			57min
Competitor B				● 16.5m/s ²		44min
	Vibration level	10m/s ²	15m/s ²	20m/s ²	25m/s ²	

*It is known as the tri-axial value and value at Directive of A(8).

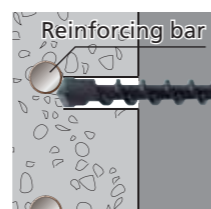
**It means the maximum amount of vibration that an operator may be exposed to on any single day.



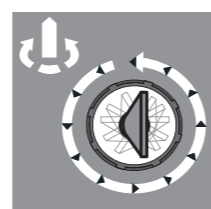
Simple Single-Lever Control for Changing Operation Mode



No Hammering while Idling
ensures machine's long life.



Torque Limiter
when drill bit hits against reinforcements, Torque Limiter operates to stop.



24 Angle Settings of Chisel bit



Slide Chuck
:: push-in and Go
:: slide-back and Pull



Rubberized Soft Grip
provides more control and comfort while minimizing hand fatigue and pain.

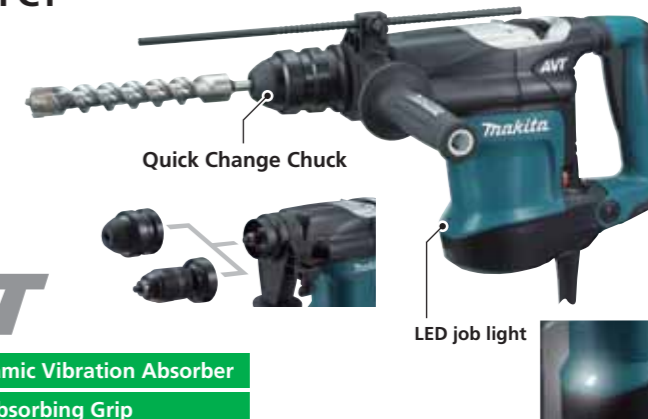
Change Lever in protected position
for reduced possibility of breakage even if the machine is carelessly down to rest.

Auto Cut-Out Carbon Brush
protects commutator and indicates time for maintenance.
Longer life of Carbon brushes
features twice as long as that of Predecessor model by employing large carbon brush.

Electronic control features
Variable speed control by dial
Constant speed control, Soft Start variable speed control
LED lamp
for indication of "Green"
:: being electrified of "Blinking Red"
:: replacing of carbon brush

3 mode Combination Hammer SDS-Plus Shank

HR3210FCT



Active Dynamic Vibration Absorber
Vibration Absorbing Grip

HR3210C



Active Dynamic Vibration Absorber
Vibration Absorbing Grip

HR3200C



Tool does not come with bit.