





DH 45ME/DH 45MEY  
DH 52ME/DH 52MEY

# AC Brushless Motor Rotary Hammer Series

for drilling larger holes

The high efficiency brushless motor and the optimized hammering mechanism achieve the fastest drilling speed\*<sup>1</sup> and the highest demolition performance\*<sup>1</sup> in its class.

DH 52ME  
DH 52MEY

DH 45ME  
DH 45MEY

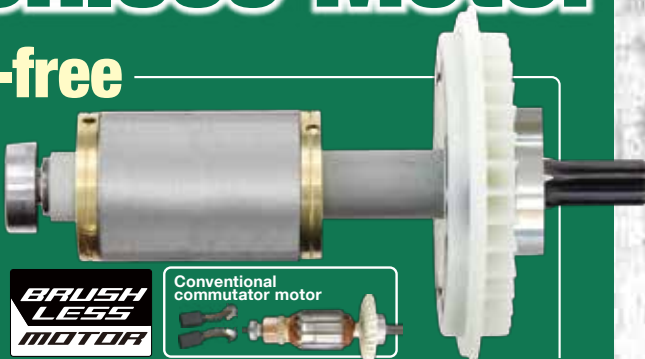
## AC Brushless Motor

### Maintenance-free

Significantly extended product life cycle

No more troubles with armature burnout, layer short or commutator wear.

No carbon brush replacement required



Fastest drilling speed and highest demolition performance in its class even at voltage drop

The efficient brushless motor offers higher drilling performance even with an extension cord used.

Compatible with engine generators

Designed to be powered by engine generators as well, thanks to Hitachi's original compact and high efficiency inverter circuit.

High efficiency

Fastest\*<sup>1</sup> drilling speed

and Highest\*<sup>1</sup> demolition performance in its class

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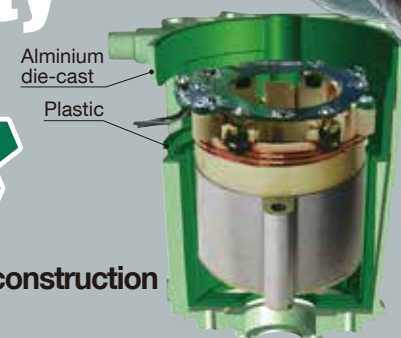
Up to 20%<sup>\*2</sup> Faster Drilling Speed

Up to 30%<sup>\*3</sup> Higher Demolition Performance

High durability

**AH-B**  
ALUMINIUM HOUSING BODY

The internal double-insulation construction with a very sturdy aluminium die-cast body and a plastic internal stator holder makes the housing more rigid, significantly enhancing durability of the motor unit.



③ ① Push-button, constant speed control with variable speed

Due to the built-in electronic control circuit that can adjust the impact rate according to applications, four-step impact rates can be selected by the rotation speed selector switch.

Display Lamp					
No Load Speed	DH 45ME 110V 120V 127V 230V 240V	120/min	170/min	220/min	270/min
	DH 45MEY 110V 120V 127V 230V 240V	120/min	180/min	240/min	310/min
	DH 52ME 110V 120V 127V 230V 240V	110/min	160/min	210/min	260/min
	DH 52MEY 110V 120V 127V 230V 240V	110/min	160/min	220/min	280/min
Full Load Impact Rate	DH 45ME 110V 120V 127V 230V 240V	1,200/min	1,600/min	2,100/min	2,500/min
	DH 45MEY 110V 120V 127V 230V 240V	1,200/min	1,700/min	2,300/min	2,950/min
	DH 52ME 110V 120V 127V 230V 240V	1,000/min	1,400/min	1,800/min	2,200/min
	DH 52MEY 110V 120V 127V 230V 240V	1,000/min	1,400/min	1,900/min	2,400/min

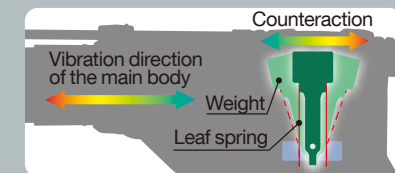
② Power Lamp lights up when the plug is inserted into an outlet.

**UVP**  
USER VIBRATION PROTECTION  
(Only for DH45MEY/DH52MEY)

Approx. 26%<sup>\*3</sup> Lower Vibration Value

Reduced vibration and improved operating efficiency

① Hitachi's original, pendulum dynamic vibration absorber



reduces the vibration from concrete drilling or chiseling by moving a weight and a leaf spring in the opposite direction to the movement of the hammer.

② Vibration-absorbing handle

provides high vibration-absorbing effect by employing both transatory and hinge units.

Improved handling

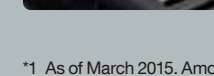
④ One push action for quick bit mounting

A bit can be mounted by simply inserting it into the tool holder.



⑤ Large change lever

An up-sized mode change lever is located on the top of the tool body for easier handling.



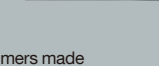
⑥ Large trigger switch

Upsized, easy-to-grip trigger switch for more control.



⑦ Continuous operation function (available for the Hammering Mode)

keeps the tools running even after the trigger switch is released, making chiseling easier.



\*1 As of March 2015. Among 45/52mm class rotary hammers made by leading power tool manufacturers, surveyed by Hitachi Koki.

\*2 A comparison of the model DH 52MEY and the previous model DH 50MR. Mean value for drilling into concrete with drill bits between 16mm and 52mm diameters. The results may vary depending on operating conditions.

\*3 A comparison of the model DH 52MEY and the previous model DH 50MR. The results may vary depending on operating conditions.