



**Hammers / Drills /
Drivers / Mixers**

Rotary Hammers

ED-202CV



Input	620 W
Rotation Speed	0 ~ 1,100 min ⁻¹
Hammering Frequency	0 ~ 3,900 min ⁻¹
Drilling Capacity	20 mm(concrete)
Shank Type	SDS plus
Overall Dimensions	337 x82 x206 mm
Weight	2.3 kg

* 2-mode operation - hammer drilling and rotary.



Input	830 W
Rotation Speed	0 ~ 1,100 min ⁻¹
Hammering Frequency	0 ~ 4,600 min ⁻¹
Drilling Capacity	26 mm(concrete)
Shank Type	SDS plus
Overall Dimensions	367 x78 x214 mm
Weight	2.7 kg

* 830W high power motor.
* 2-mode operation - hammer drilling and rotary.



Input	830 W
Rotation Speed	0 ~ 1,100 min ⁻¹
Hammering Frequency	0 ~ 4,600 min ⁻¹
Drilling Capacity	26 mm(concrete)
Shank Type	SDS plus
Overall Dimensions	367 x78 x214 mm
Weight	2.7 kg

* 830W high power motor.
* 3-mode operation - hammer drilling, rotary, and chiseling.

ED-410C



Input	1,150 W
Impact energy	10 joules
Rotation Speed	380 min ⁻¹
Hammering Frequency	2,900 min ⁻¹
Drilling Capacity	40 mm(concrete)
Shank Type	SDS MAX
Overall Dimensions	477 x99 x262 mm
Weight	6.4 kg

* Powerful 1,150 W motor.
* Professional rotary hammer of SDS-MAX shank.
* 40 mm drilling capacity.



Specifications

Model	Input	Rotation Speed	Hammering Frequency	Drilling Capacity	Shank Type	Overall Dimensions	Weight
ED-202CV	620 W	0 ~ 1,100 min ⁻¹	0 ~ 3,900 min ⁻¹	20 mm(concrete)	SDS plus	337 x82 x206 mm	2.3 kg
ED-2620VR	830 W	0 ~ 1,100 min ⁻¹	0 ~ 4,600 min ⁻¹	26 mm(concrete)	SDS plus	367 x78 x214 mm	2.7 kg
ED-2630VR	830 W	0 ~ 1,100 min ⁻¹	0 ~ 4,600 min ⁻¹	26 mm(concrete) 13 mm(steel), 32 mm(wood)	SDS plus	367 x78 x214 mm	2.7 kg

Model	Input	Impact Energy	Rotation Speed	Hammering Frequency	Drilling Capacity	Shank Type	Overall Dimensions	Weight
ED-410C	1,150 W	10 joules	380 min ⁻¹	2,900 min ⁻¹	40 mm(concrete)	SDS MAX	477 x99 x262 mm	6.4 kg

Concrete Hammers

CH-470



Input	1,050 W
Impact Energy	8.8 joules
Hammering Frequency	3,000 min ⁻¹
Shank Type	17 mmHex
Overall Dimensions	456 x106 x235 mm
Weight	5.2 kg

* Built-in handle and barrel shock absorber decreases the vibration.
* Quick retainer enables the bull point to be easily changed.
* Automatic cutoff brush for longer tool life.
* Grease packed lubrication provides long operation without special maintenance.
* Durable aluminium die cast components are used in major parts.

CH-485



Input	1,130 W
Impact Energy	15 joules
Hammering Frequency	1,800 min ⁻¹
Shank Type	21 mmHex (STD/ EURShank)
Overall Dimensions	509 x102 x254 mm
Weight	8.6 kg

* 21 mmhex shank model with high power motor.
* Standard or European shank model is also available.
* Automatic cut-off brush for longer tool life.
* Grease packed lubrication provides long operation without special maintenance.
* Durable aluminium die cast components are used in major parts.



Impact Drivers / Wrench

ID-122



Input	250 W
Maximum Torque	80 - 130 N·m
Rotation Speed	0 ~ 2,400 / 0 ~ 3,300 min ⁻¹
Blows Per Minutes	0 ~ 1,400 / 0 ~ 2,700 min ⁻¹
Overall Dimensions	215 x82 x215 mm
Weight	1.4 kg

* High torque impact driver.
* Compact and ergonomic housing for comfortable operation.
* Bright LED for clear perspective.
* Quick bit change.
* Carbon brush can be changed easily thanks to the external brush cap.

IW-2000



Input	320 W
Maximum Torque	200 N·m
Rotation Speed	0 ~ 2,600 / 0 ~ 3,100 min ⁻¹
Blows Per Minutes	0 ~ 2,500 / 0 ~ 3,200 min ⁻¹
Overall Dimensions	233 x72.5 x205 mm
Weight	1.5 kg

* 200 N·m high torque.
* 2-mode variable speed.

Specifications

Model	Input	Impact Energy	Hammering Frequency	Shank Type	Overall Dimensions	Weight
CH-470	1,050 W	8.8 joules	3,000 min ⁻¹	17 mm Hex	456 x 10 x 23 mm 6 5	5.2 kg
CH-485	1,130 W	15 joules	1,800 min ⁻¹	21 mm Hex (STD / EUR Shank)	509 x 10 x 25 mm	8.6 kg
Model	Input	Maximum Torque	Rotation Speed	Blows Per Minutes	Overall Dimensions	Weight
ID-122	250 W	80 - 130 N·m	0 ~ 2,400 / 0 ~ 3,300 min ⁻¹	0 ~ 1,400 / 0 ~ 2,700 min ⁻¹	215 x82 x215 mm	1.4 kg
IW-2000	320 W	200 N·m	0 ~ 2,600 / 0 ~ 3,100 min ⁻¹	0 ~ 2,500 / 0 ~ 3,200 min ⁻¹	233 x72.5 x205 mm	1.5 kg

Power Mixers



Input	800 W
Rotation Speed	300 min ⁻¹
Overall Dimensions	890 x 90 x 138 mm
Weight	2.7 kg

- * Torqueful low speed rotation model.
- * Appropriate for mixing of viscous materials such as the cement.



Input	800 W
Rotation Speed	1,000 min ⁻¹
Overall Dimensions	855 x 86 x 138 mm
Weight	2.5 kg

- * For perfect mixing of the paint, cement, concrete and various materials.
- * High power and durable model for professional use.
- * Light weight and easy-to-operate weight balance.



Input	800 W
Rotation Speed	1,500 min ⁻¹
Overall Dimensions	855 x 86 x 138 mm
Weight	2.5 kg

- * High speed rotation model.



Input	780 W
Rotation Speed	600 / 1,300 min ⁻¹
Overall Dimensions	880 x 92 x 138 mm
Weight	3.0 kg

- * High power and light weight model.
- * 2-speed rotation can be used for mixing of any kinds of materials.
- * Easy carbon brush change by external carbon brush.
- * Handle can be attached to both side of mixer.

Specifications

Model	Input	Rotation Speed	Overall Dimensions	Weight
PM-311	800 W	300 min ⁻¹	890 x 90 x 138 mm	2.7 kg
PM-1011	800 W	1,000 min ⁻¹	855 x 86 x 138 mm	2.5 kg
PM-1511	800 W	1,500 min ⁻¹	855 x 86 x 138 mm	2.5 kg
PMT-1362	780 W	600 / 1,300 min ⁻¹	880 x 92 x 138 mm	3.0 kg

Drills



Input	300 W
Chuck Size	6.5 mm
Drilling Capacity	- Wood 9 mm - Steel 6.5 mm
Rotation Speed	4,000 min ⁻¹
Overall Dimensions	217 x 60 x 170 mm
Weight	1.0 kg

- * Compact and light-weight design.



Input	240 W
Chuck Size	10 mm
Drilling Capacity	- Wood 13 mm - Steel 10 mm
Rotation Speed	2,100 min ⁻¹
Overall Dimensions	216 x 60 x 200 mm
Weight	1.0 kg

- * Compact keyless chuck drill.



Input	240 W
Chuck Size	10 mm
Drilling Capacity	- Wood 13 mm - Steel 10 mm
Rotation Speed	0 ~ 2,100 min ⁻¹
Overall Dimensions	216 x 60 x 200 mm
Weight	1.0 kg

- * Variable speed version of MD-12R.



Input	500 W
Chuck Size	10 mm
Drilling Capacity	- Wood 25 mm - Steel 10 mm
Rotation Speed	0 ~ 2,800 min ⁻¹
Overall Dimensions	245 x 64 x 187 mm
Weight	1.4 kg

- * High power and compact drill.



Input	470 W
Chuck Size	13 mm
Drilling Capacity	- Wood 25 mm - Steel 13 mm
Rotation Speed	0 ~ 2,800 min ⁻¹
Overall Dimensions	255 x 64 x 187 mm
Weight	1.4 kg

- * 13 mm chuck model of D-110VR.



Input	610 W
Chuck Size	13 mm
Drilling Capacity	- Wood 30 mm - Steel 13 mm
Rotation Speed	0 ~ 1,200 min ⁻¹
Overall Dimensions	352 x 80 x 153 mm
Weight	2.1 kg

- * High Power and variable speed Drill.
- * D-shape handle enables heavy duty drilling works.
- * Durable die casting gear case.

Specifications

Model	Input	Chuck Size	Drilling Capacity	Rotation Speed	Overall Dimensions	Weight
D-65C	300 W	6.5 mm	- Wood 9 mm - Steel 6.5 mm	4,000 min ⁻¹	217 x 60 x 170 mm	1.0 kg
MD-12R	240 W	10 mm	- Wood 13 mm - Steel 10 mm	2,100 min ⁻¹	216 x 60 x 200 mm	1.0 kg
MD-12VR	240 W	10 mm	- Wood 13 mm - Steel 10 mm	0 ~ 2,100 min ⁻¹	216 x 60 x 200 mm	1.0 kg
D-110VR	500 W	10 mm	- Wood 25 mm - Steel 10 mm	0 ~ 2,800 min ⁻¹	245 x 64 x 187 mm	1.4 kg
D-135VR	470 W	13 mm	- Wood 25 mm - Steel 13 mm	0 ~ 2,800 min ⁻¹	255 x 64 x 187 mm	1.4 kg
D-1300VR	610 W	13 mm	- Wood 30 mm - Steel 13 mm	0 ~ 1,200 min ⁻¹	352 x 80 x 153 mm	2.1 kg

Impact Drills

PD-130VR



Input	650 W
Chuck Size	13 mm
Drilling Capacity	- Wood 25 mm - Steel 13 mm - Masonry 13 mm
Rotation Speed	0 ~ 2,800 min ⁻¹
Blows Per Minutes	0 ~ 28,000 min ⁻¹
Overall Dimensions	299 x 71 x 203 mm
Weight	1.75 kg

- * High power 650 W motor.
- * Soft grip handle for fatigue free operation.
- * Ergonomic and slim body.

PD-550K



Input	550 W
Chuck Size	10 mm
Drilling Capacity	- Concrete 13 mm - Steel 10 mm - Wood 25 mm
Rotation Speed	0 - 3000 min ⁻¹
Blows Per Minutes	0 - 48,000 min ⁻¹
Weight	2.2 kg

- * Comes with useful 87 pcs accessories.

PD-750K



Input	750 W
Chuck Size	13 mm
Drilling Capacity	- Wood 25 mm - Steel 13 mm - Masonry 13 mm
Rotation Speed	0 ~ 3,000 min ⁻¹
Overall Dimensions	310 x 62 x 225 mm
Weight	2.5 kg

- * Complete set of drill bits for versatile operation.
- * Soft grip on side and main handle for less fatigue operation.

PD-196VR



Input	710 W
Chuck Size	13 mm
Drilling Capacity	- Wood 25 mm - Steel 13 mm - Masonry 19 mm
Rotation Speed	0 ~ 2,600 min ⁻¹
Blows Per Minutes	0 ~ 46,800 min ⁻¹
Overall Dimensions	299 x 66 x 198 mm
Weight	1.75 kg

- * High power and easy-to-use.
- * Soft grip handle for fatigue free operation.
- * Ergonomic and slim body.
- * Plastic carrying case.

PD-220VR



Input	800 W
Chuck Size	13 mm
Drilling Capacity	- Wood 40 mm - Steel 13 mm - Concrete 22 mm
Rotation Speed	0 ~ 1,350 / 0 ~ 2,700 min ⁻¹
Blows Per Minutes	0 ~ 21,600 / 0 ~ 43,200 min ⁻¹
Overall Dimensions	350 x 86 x 214 mm
Weight	2.7 kg

- * High power impact drill.
- * Aluminum die-casting gear case for long life.
- * 2-mode variable speed for various applications.
- * Easy change of operation mode, impact drilling mode/ drilling mode.
- * Ergonomic handle for less fatigue.



Specifications

Model	Input	Chuck Size	Drilling Capacity	Rotation Speed	Blows Per Minutes	Overall Dimensions	Weight
PD-130VR	650 W	13 mm	- Wood 25 mm - Steel 13 mm - Masonry 13 mm	0 ~ 2,800 min ⁻¹	0 ~ 28,000 min ⁻¹	299 x 71 x 203 mm	1.75 kg
PD-550K	550 W	10 mm	- Concrete 13 mm - Steel 10 mm - Wood 25 mm	0 ~ 3,000 min ⁻¹	0 - 48,000 min ⁻¹	-	2.2 kg
PD-750K	750 W	13 mm	- Wood 25 mm - Steel 13 mm - Masonry 13 mm	0 ~ 3,000 min ⁻¹	-	310 x 62 x 225 mm	2.5 kg
PD-196VR	710 W	13 mm	- Wood 25 mm - Steel 13 mm - Masonry 19 mm	0 ~ 2,600 min ⁻¹	0 ~ 46,800 min ⁻¹	299 x 66 x 198 mm	1.75 kg
PD-220VR	800 W	13 mm	- Wood 40 mm - Steel 13 mm - Concrete 22 mm	0 ~ 1,350 / 0 ~ 2,700 min ⁻¹	0 ~ 21,600 / 0 ~ 43,200 min ⁻¹	350 x 86 x 214 mm	2.7 kg