

SMART BREAKERS

3-LEVEL ELECTRONIC AUTO STROKE SYSTEM

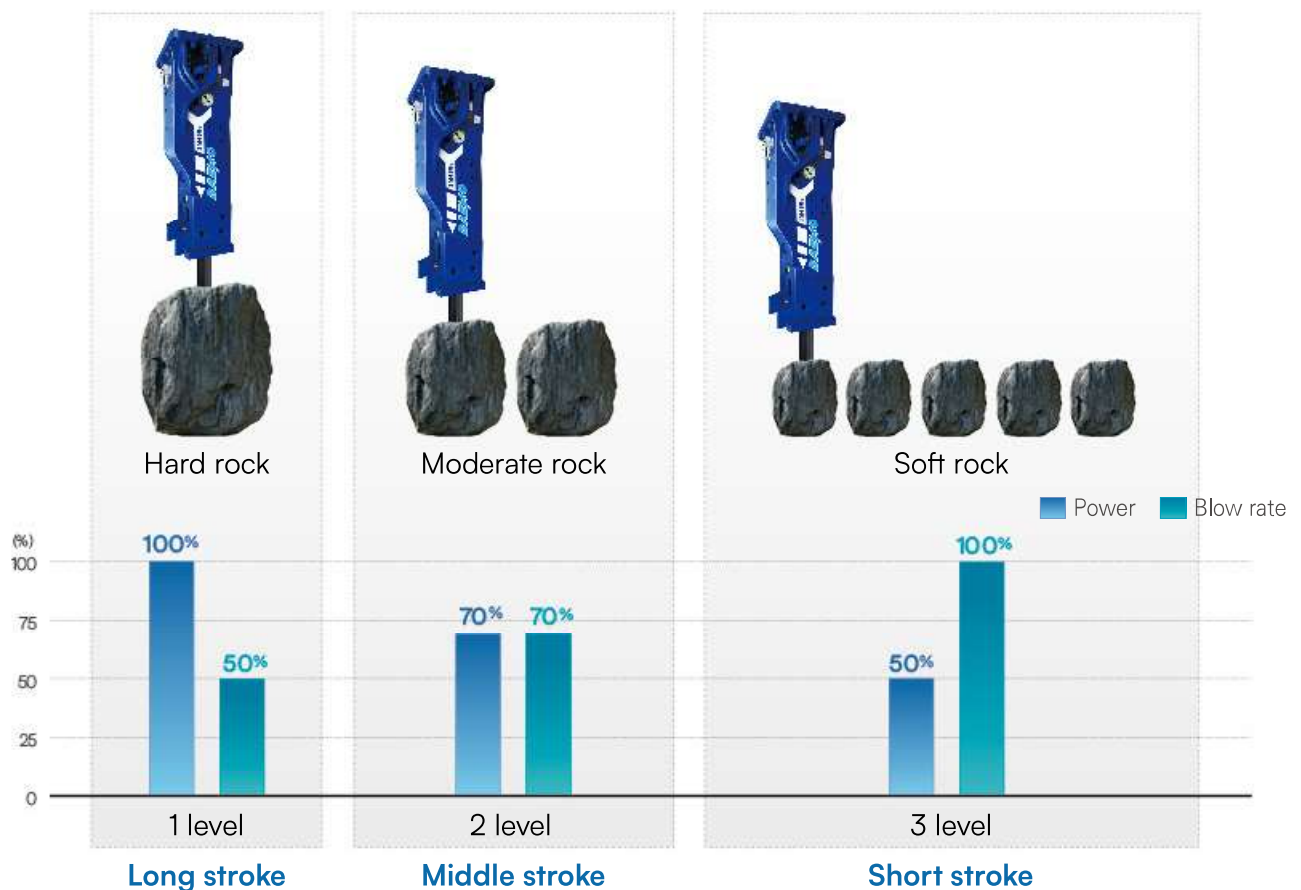


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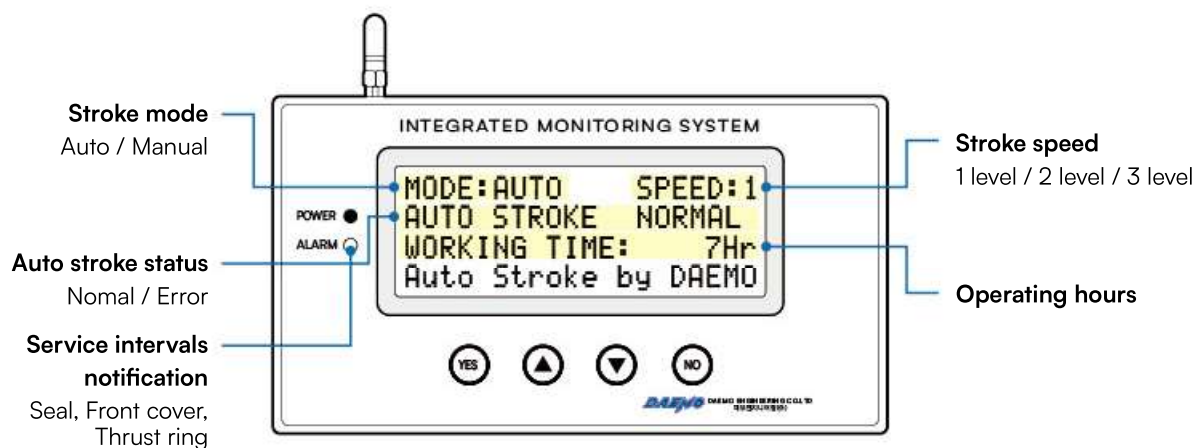
3-level Electronic Auto Stroke System



- + **Improved Productivity** – Smart sensor automatically adjusts power and speed for maximum productivity.
- + **High Durability** – Smart sensor controls unnecessary power which causes damage to parts.
- + **Increased Power** – The power has been increased due to the new hydraulic circuit design.
- + **Operator Convenience** – Auto stroke system helps to reduce operator's stress on stroke control.



SMART DISPLAY



Housing Bracket Types



Top Box Type



Side Box Type

Specifications

Description		Unit	SM380e	SM480e	SM650e
Suitable Excavator		ton	28~42	35~55	48~75
Top Box Type	Operating Weight	kg	3,120	3,780	4,510
	Overall Length	mm	3,297	3,505	3,740
Side Box Type	Operating Weight	kg	3,250	3,850	4,650
	Overall Length	mm	3,050	3,210	3,450
Chisel Diameter		mm	160	175	180
Chisel Length		mm	1,380	1,460	1,520
Working Length of Chisel		mm	772.0	805.0	818.0
Setting Pressure		kgf/cm ²	210	210	210
Working Pressure		kgf/cm ²	150~180	150~180	150~180
Oil Flow		LPM	190~260	220~280	250~330
Blow Rate		BPM	260~650	250~600	220~550
Max. Hydraulic Input Power		kW	76.4	85.3	97.0
Back Head N2 Gas Pressure		kgf/cm ²	13~16	13~16	13~16

* The specifications are subject to change without prior notice for quality improvement.

* Operating Weight & Overall length include chisel, standard mounting bracket and hoses. It may vary depending on mounting bracket configuration.



Application

● Standard ○ Option

Description		SM380e	SM480e	SM650e
Smart Functions	3-level Electronic Auto Stroke System	●	●	●
	Auto Stroke / Manual Stroke Switch	●	●	●
	Operating Hours Information	●	●	●
	Service Intervals Notification	●	●	●
Under Water Works		●	●	●
ABF [Anti Blank Firing] System		●	●	●
Low Noise Housing Bracket [Top Box Type]		●	●	●
Auto Greasing System Hole		●	●	●
Auto Greasing Unit		○	○	○
Swivel Joint [Top Box Type]		○	○	○
Central Grease Supply Unit		○	○	○
Dust Protecting System [Tunneling Works]		○	○	○

Shape of Chisel

Description	Shape	Working Condition
Moil		Concrete, Rocks, Pavements, Slopes
Wedge		Trench, Slopes, Finishing
Blunt		Quarries (for secondary breaking)
Conical		Concrete, Rocks, Pavements

Choosing the Chisel for Different Rock Types

Description	Rock Type	Recommended Model	Recommended Chisel
Hard Rock	Basanite, Granite, Diabase	SM480e ~ SM650e	Moil, Blunt, Wedge
Soft Rock	Sandstone, Limestone, Coal	SM380e ~ SM480e	Blunt, Wedge, Conical

SMART BREAKERS

Ideal Damper System

Additional side ear dampers are added for absorbing vibration and supporting the main body. [SM650e Top Box type]



The World's First 3-level Electronic Auto Stroke System

The power and speed are controlled by smart sensor automatically depending on the material solidity.

- Improved Productivity
- High Durability
- Increased Power
- Operator Convenience

Innovated Piston Design for Better Performance

The design of piston's hitting part has been changed. It helps minimize one-side firing by improving weight balance.

Easy Front Cover Replacement

Without removing the bracket. It can reduce replacement time significantly.

Premium Seal System

Extend the service life of seals and Minimize scratches effectively.

Robust Chisel Pin and Front Cover

Extend the service life of components.

Dust Protecting System

Minimize scratches inside by blocking dust from outside. [Especially for tunneling works, Optional]



Rotating Swivel joint

Protect hoses from the vibration. [Only for top box type, Optional]



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