



Backhoe loader breaker



Simaq® 60V		
Operating weight	kg	412
	lb	908
Required oil flow	l/min	40~110
	g/min	10.57~29.06
Operating pressure	kg/cm²	120~165
	psi	1,707~2,347
Number of blow	Power mode bpm	380~900
	Speed mode bpm	
Relief valve setting pressure	kg/cm²	175
	psi	2,489
Tool diameter	mm	75
	inch	2.95
Suitable carrier	ton	4.5~8.0
	lbs	9,921~17,637

* Above numbers are subject to change without prior notice, only provided for references in combination with carrier hydraulic performance.
* Above operating weight includes 1 working tool, 2 hoses and 1 mounting bracket with 2 pins that are supplied by the manufacturer only.

Skid steer loader breaker



Simaq® 40V		
Operating weight	kg	357
	lb	787
Required oil flow	l/min	35~70
	g/min	9.25~18.49
Operating pressure	kg/cm²	110~190
	psi	1,565~2,702
Number of blow	Power mode bpm	380~1,000
	Speed mode bpm	
Relief valve setting pressure**	kg/cm²	230
	psi	3,271
Tool diameter	mm	70
	inch	2.76
Suitable carrier	ton	3.0~6.5
	lbs	6,614~14,330

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** Head Cap gas pressure 10~12 bar.



Ref. No. Brochure 04 / English / Printed in Seoul 2023.02-10



HYDRAULIC
BREAKERS
DX SERIES



Floating power cell & bolt free enclosed housing

- Prevent carrier boom & arm fatigue failure
- No metal to metal contact
- Floating and fully enclosed power cell
- Extend breaker & carrier service life
- Low noise
- Suitable for all applications, particularly including trenching, quarry & mining

Lubrication

- Various lubrication systems available
 - Hydraulic auto lube system
 - Mechanical auto lube system
 - Manual lube system

Advanced internal valve system

- Built in cylinder
- Energy efficiency
- Oil leakage free
- Thicker flesh cylinder block
- Least maintenance & repair requirement

Work mode selector

- Optimize power and speed upon application requirements
- Enable maximum productivity in all applications from light to severe duty material breaking
- Available for Simaq® 40V & above

Easy start

- Fast response time to breaker activation signal
- Significantly increase productivity at light or interior demolition applications
- Suitable for skid steer loader breaker applications
- Available for Simaq® 40V & 60V

Large capacity accumulator & diaphragm

- Proactively prevent carrier hydraulic part fatigue failure
- Accelerate striking performance
- Prevent cavitation
- Increase seal & diaphragm service life
- Available for Simaq® 40V & above (excluding skid steer loader breaker)

Bottom plate

- Anti-abrasive high tensile raw material
- Fully enclosed lower bush & front head block
- Minimize debris & dust entering percussion chamber
- Increase service life of housing, tool, lower bush & front head

Working tool

- Heat treatment of core as well as surface
- Optimum balance for longer wear life and crack prevention
- Variety of conventional and special tool types

Large capacity gas chamber & optimum piston size

- Hybrid energy efficiency design
- Higher impact power delivery
- Least oil flow consumption
- Durable piston design - larger surface contacting working tool
- Dampening reperussion vibration force
- Preventing carrier structure fatigue failure

External gas charging

- Gas charging from external housing
- No need of housing or lubrication device disassembly
- Least maintenance time
- Designed for maintenance at the job site

Air supply channel

- Built in air supply channel
- Prepared for underwater, tunneling & severe dusty applications

Anti-blank firing system (auto stop)

- Auto cut off hydraulic power when the material is fully broken
- Ensure service life of tool pin, working tool, front head, piston, through bolt and diaphragm even at the frequent dry firing applications such as rental, secondary rock breaking & scaling
- Available for Simaq® 60V & above, on demand for Simaq® 40V & 60V

Heavy duty front head block

- Significantly enhanced front head duty level
- Extend front head service life
- Available for Simaq® 200DX

Tool pin hole protector

- Minimize direct contact between holes and material to break
- Protect tool pin hole damage from debris
- Prevent hole cover missing and debris/dust entering
- Extend tool pin and working tool wear life

Large size tool pin

- Heavy duty oval shape dual pins
- Heat-treated, enlarged size
- Longer wear life
- Maintenance friendly design - bolt free, rubber plugged holes
- Available for Simaq® 40V & above

Bushes

- Differentiated anti-wear raw material
- Higher core hardness
- Much longer wear life

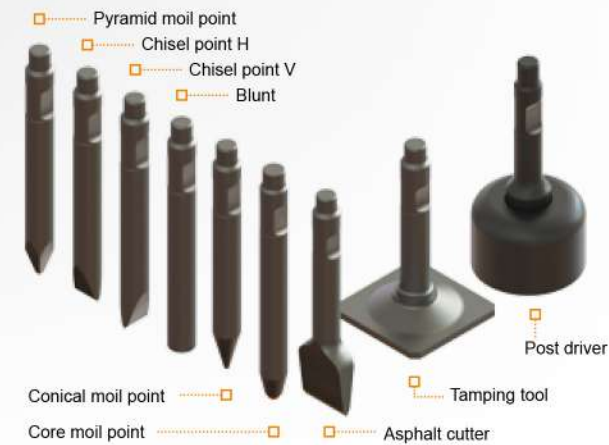
Dust protector

- Prevent dust entering percussion chamber
- Prolong lubricant's stay between bushes & working tool
- Prevent contamination
- Secure service life of seal, bush, working tool, piston & cylinder in severe dusty applications
- Available for Simaq® 40V & above

Benefits

- **Higher impact power**
- **Higher productivity**
- **Market proven quality, durability & life time**
- **Easy maintenance & repair**
- **Low fatigue stress on carrier machines**
- **Reasonable owning cost**
- **Low operating cost**
- **Higher return on investment**

Working tool



Conventional working tool		Applicable type					Remark
		Primary breaking	Secondary breaking	Hard rock removal	Soft material & rock material	Demolition	
	Chisel point V						All models
	Chisel point H						All models
	Pyramid moil point						All models
	Conical moil point						All models
	Blunt						All models

Special working tool		Applicable type				Remark
		Asphalt removal	Compacting	Post driving	Severe duty rock removal	
	Asphalt cutter					Danda 6V ~ Danda 80DX
	Tamping tool					Danda 6V ~ Danda 80DX
	Post driver					Danda 6V ~ Danda 80DX
	Core moil point					Danda 8V & above

Highly recommended

Selectively applicable

Comprehensive product line up

- 23 breaker models that cover the entire CE industry carrier range from 0.5 to 140 ton
- 1 model variant exclusively designed for dedicated light material breaking champion with 18 to 22 ton carrier
- 4 model variants exclusively designed for skid steer loader
- On-demand housing variants for optimum traveling position with backhoe loader
- Suitable from light and medium to hard & severe duty rock breaking applications

Compact breaker

		Simaq® 40V	Simaq® 60V
Operating weight	kg	325	412
	lb	717	908
Required oil flow	ℓ/min	35~70	40~110
	g/min	9.25~18.49	10.57~29.06
Operating pressure	kg/cm ²	110~165	120~165
	psi	1,565~2,347	1,707~2,347
Number of blow	Power mode bpm	380~1,000	380~900
	Speed mode bpm		
Relief valve setting pressure	kg/cm ²	175	175
	psi	2,489	2,489
Tool diameter	mm	70	75
	inch	2.76	2.95
Suitable carrier	ton	3.0~6.5	4.5~8.0
	lbs	6,614~14,330	9,921~17,637

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Medium breaker

		Simaq® 200DX
Operating weight	kg	1,577
	lb	3,477
Required oil flow	ℓ/min	120~170
	g/min	31.70~44.91
Operating pressure	kg/cm ²	160~190
	psi	2,276~2,702
Number of blow	Power mode bpm	320~480
	Speed mode bpm	400~600
Relief valve setting pressure	kg/cm ²	210
	psi	2,987
Tool diameter	mm	135
	inch	5.31
Suitable carrier	ton	18~24
	lbs	39,683~52,911

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