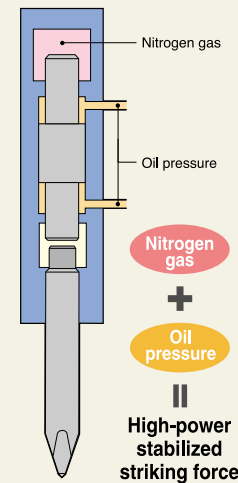


FEATURES OF MECHANISM & SYSTEMS

Oil pressure + Nitrogen gas driving system

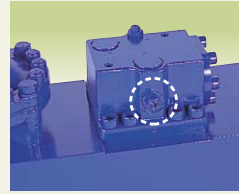
The most important criteria which users compare in hydraulic breakers is their impact force. Every model in the MKB line of hydraulic breakers has a high powered and efficient driving mechanism achieved through the combination of hydraulic oil pressure and nitrogen gas. Due to this mechanism, energy loss is extremely reduced so that maximum impact force is achieved.



Variable throttling mechanism

This mechanism is designed to efficiently use the hydraulic oil from the excavator. With this, it is possible to apply the optimum impact force and speed depending on the work requirements.

Models with this mechanism: MKB1400V-6000V



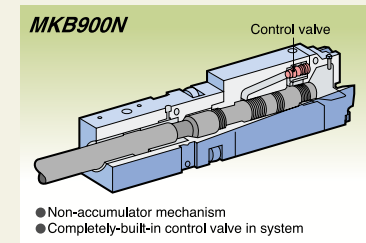
Non-Accumulator models

A simple design is better. Konan offers a non-accumulator breaker for its models, MKB60M-1700V2. By eliminating the use of accumulators this unique and high-tech approach contributes to cost reduction with high impact force and also helps reduce operating and maintenance costs.

Built-in Control Valve

Using the same concept as above, the built-in control valve was developed by Konan to reduce weight and operating costs.

Models with this mechanism: MKB60M-900N



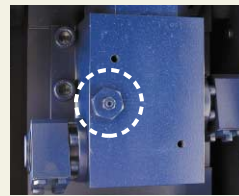
Optional Features, Equipment and Attachments

Impact frequency switch-over feature (manual type)

Impact frequency can be easily changed by manually shifting the position of the selector valve set up inside the control valve. For heavy work operation such as hard rock crushing, this selector valve is kept in the "normal" position. For lighter work requiring speed, this selector valve is shifted to the "high speed" position. This mechanism is installed in MKB2500V-6000V as standard equipment.

The selector valve can be also shifted by remote control switch installed in the cabin of the hydraulic excavator (option).

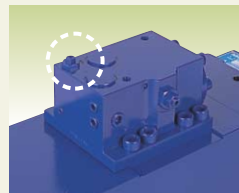
Models offering this as an option: MKB1500V-2100V



Built-in relief valve

Most hydraulic excavators have a relief valve in the piping system to prevent trouble in both the hydraulic breaker and hydraulic excavator. For hydraulic excavators that do not have a relief valve, one can be supplied as an option.

Models offering this as an option: MKB500N-2100V



Automatic greasing mechanism

An Automatic Greasing unit can be equipped which offers automatic lubrication to the abrasive surfaces and can eliminate an operator's daily lubricating duties.

Models offering this as an option: MKB1400V-6000V



Anti-wear abrasive plate

Special hard metal plate is welded on the bracket to protect the bottom part of the bracket from wear.

Models offering this plate: MKB1400V-6000V



Lower noise bracket

Impact noise levels, especially high frequency noise and vibration between the piston and chisel can be considerably reduced from MKB Hydraulic Breakers using the SS type bracket and special elastic materials inside the bracket.

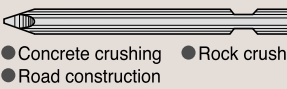
Models offering this as an option: MKB1400V-6000V

SPECIFICATIONS

Model	Item	Weight with bracket & chisel (kg)	Overall length with chisel (mm)	Chisel diameter (φ) (mm)	Standard blowing frequency (blow/min.) <small>Numbers in parentheses: 1 use for loading frequency when switched over to high speed operations.</small>	Required oil flow rate (l/min.)	Operating oil pressure (Mpa)	Applicable excavator (ton)	Special applications
M Series	MKB60M	55	919	38	800~1,200	9~13	12.0~15.0	0.7~1.5	Non-accumulator mechanism Built-in control valve system
	MKB100M	75	1,019	45		15~22		1.2~2.5	
	MKB150M	150	1,272	55		30~45		2.5~4	
N Series	MKB300M	250	1,611	70	550~1,100	35~70	12.0~16.0	4~7	Non-accumulator mechanism Built-in control valve system
	MKB500N	420	1,813	80	470~1,000	40~85	13.0~15.0	6~11	
V Series	MKB900N	820	2,154	100	440~750	65~110	14.0~17.0	10~15	Non-accumulator mechanism Impact frequency switch-over feature
	MKB1400V	1,400	2,550	130	360~480	100~130	15.0~18.0	16~20	
	MKB1500V2	1,700	2,683	135	360~480 (430~570)	115~150		19~25	
	MKB1700V2	1,750	2,683	137	360~480 (430~570)	130~170		22~25	
	MKB2100V	2,400	2,846	150	340~450 (480~650)	135~180		25~40	
	MKB2500V	2,700	2,930	160	320~450 (460~630)	160~225		30~45	
	MKB3000V	3,300	3,245	165	300~450 (400~600)	170~260		40~50	
MKB4000V	4,200	3,249	180	300~400 (430~570)	220~300	50~75			
MKB6000V	5,900	3,581	200	250~380 (350~550)	220~330	75~100			

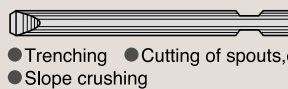
Manufacturer-specified chisels for different purposes

Point chisel (P type)



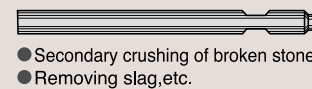
- Concrete crushing
- Road construction
- Rock crushing

Flat chisel (F type)



- Trenching
- Slope crushing
- Cutting of spouts, etc.

Flat-end chisel (FE type)



- Secondary crushing of broken stones
- Removing slag, etc.

* Hard-core and long chisels are also available. * Please use a manufacturer-specified chisel with your MKB hydraulic breaker.

* Please note that the specifications are subject to change without notice.



Front view of Kobe H.Q. & Plant



Processing line



Safety precautions

- To ensure safe operation, please carefully read the Operation Manual, Safety Manual, Warning Labels, etc. for breakers and excavators before use.
- Mishandling of the breaker, lack of attention during work, or using the machine in a forbidden way could invite a mechanical failure and/or a serious accident.
- Don't hit the bucket cylinder of the excavators at the end of a stroke, or you may damage the cylinder. Install a stopper as needed.



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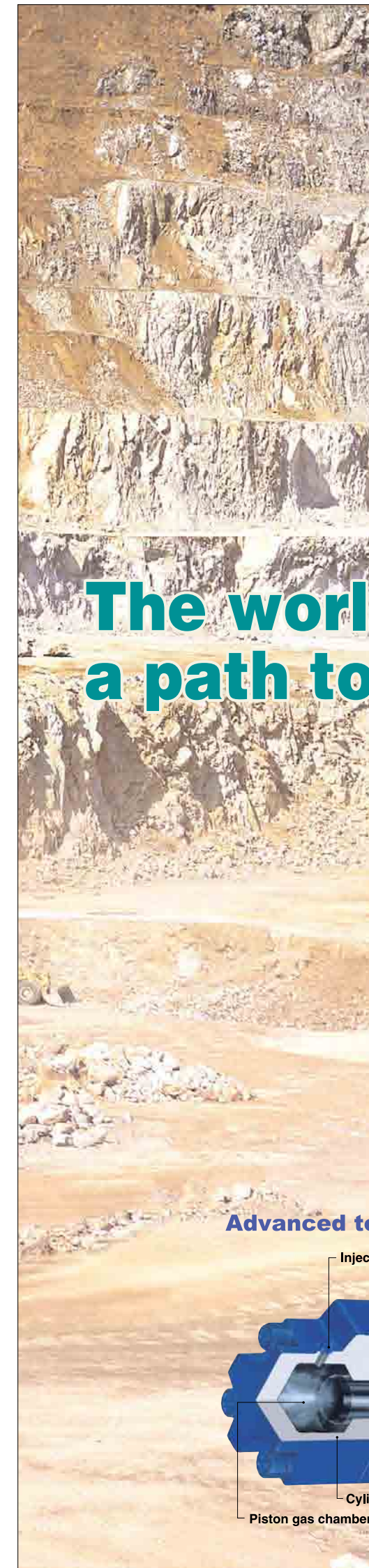
http://www.konan-cm.com



Distributor



Pioneer of hydraulic breakers
KONAN



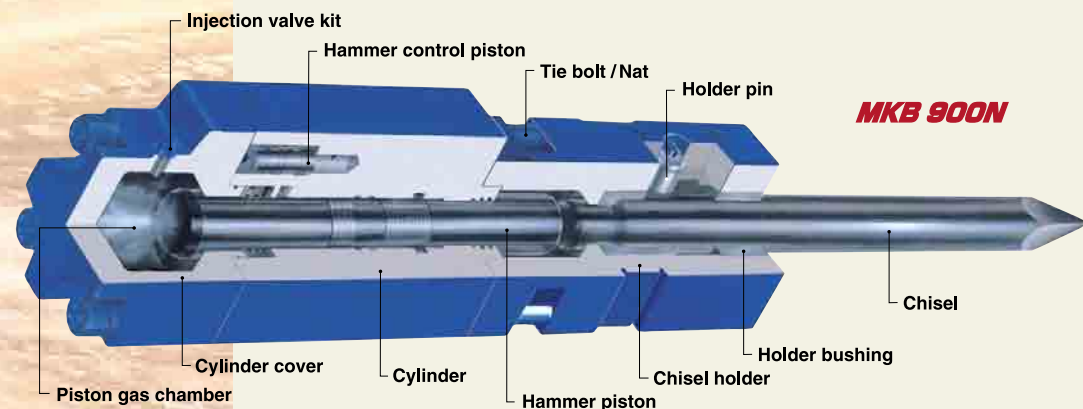
The world-standard grade lays a path to the future

The family of Konan's MKB Hydraulic Breakers are manufactured to produce high impact force through an efficient design. The MKB Hydraulic Breaker features lower noise levels and vibration, contributing positively to the surrounding environment. MKB Hydraulic Breakers, with their simple design and light weight, ensure a high level of maneuverability and decrease operators and equipment fatigue. MKB Hydraulic Breakers offer unique functions to enhance their user-friendliness and reduce their operating and maintenance cost. MKB Hydraulic Breakers are manufactured at Konan's ISO9001 accredited plant under total high quality control.

FEATURES & ADVANTAGES OF MKB HYDRAULIC BREAKERS

- High impact power** is achieved by combining hydraulic oil pressure and nitrogen gas pressure.
- Outstanding durability** is realized by the use of selected steel and precision workmanship.
- Lower noise levels and vibration** come from the various standard features coupled with innovative brackets using special elastic materials.
- Easy maintenance** is realized by non-accumulator and built-in control valve.

Advanced technology & Simple design



Responding to all working conditions and needs with a full line-up of high-powered breakers

M Series models Energy-saving Mini-excavators



60M 0.7~1.5ton
100M 1.2~2.5ton
150M 2.5~4ton
300M 4~7ton

N Series models Noise and vibration-absorption Small-sized excavators



500N 6~11ton
900N 10~15ton

V Series models High-powered, noise-and vibration-absorption Medium-and large-sized excavators



1400V 16~20ton
1500V2 19~25ton

1700V2 22~25ton
2100V 25~40ton
2500V 30~45ton
3000V 40~50ton
4000V 50~75ton
6000V 75~100ton