KOMAC

Technology with Passion

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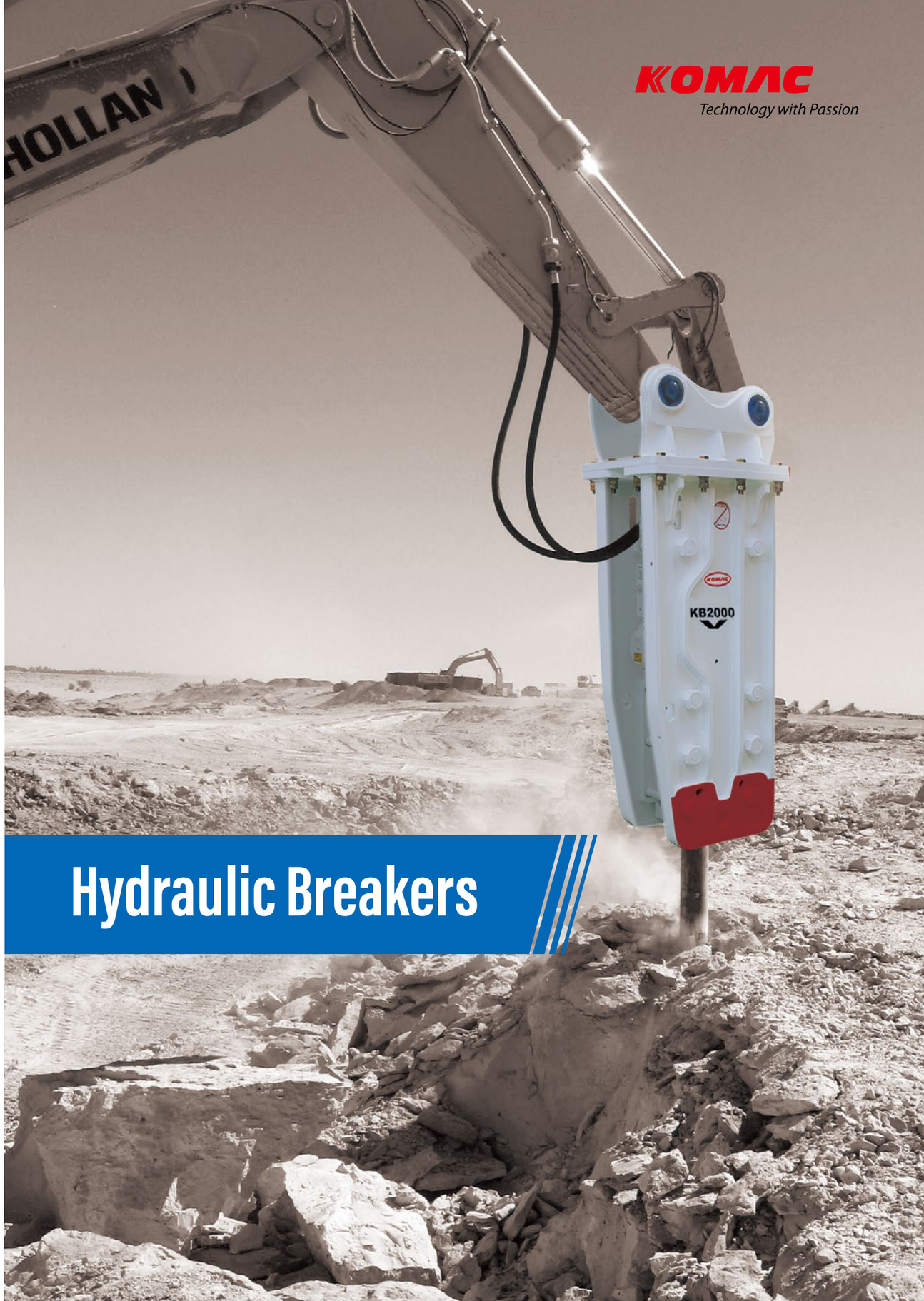


Hydraulic Breakers

VISION 2030

KOMAC

Emerging as a global leader of hydraulic breakers and other attachments by 2030

Komac currently has constructed about 65 dealer networks all over the world and we are moving forward for Vision based on endless passion for technology and the spirit of familism.

We will serve domestic and international customers with the world best function, quality, and service which are recognized in overseas market.

In the future, we will have a chance to take a leap trying to become an integrated heavy industry beyond the attachment industry.

KOMAC Familism

- Customer like my body
- Products like my parents
- Supplier like my children
- Staff like my brothers

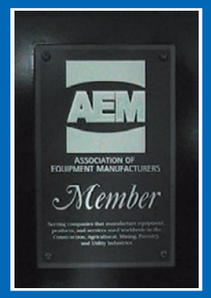
KOMAC Certificates

CE Certificate

Certificate of D-U-N-S number

Homologation Certificate

ISO 9001

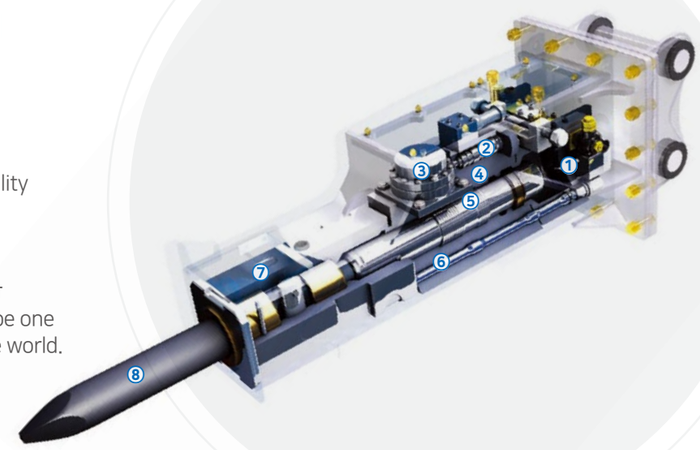


AEM Member

Structure of Breaker

We, KOMAC, have adopted the strict Quality Assurance System, which is essential for customer satisfaction.

ISO certification, CE, TUV mark and other intellectual property rights enable us to be one of the best breaker manufacturers in the world.



① Back Head
Installed the oil connections (input /output) and the gas valve.

· Maximized energy
The nitrogen gas in the back head is compressed once the piston moves upward by the oil pressure and accumulation of the energy, which is converted into the blow energy effectively as the piston descends.

· Auto-greasing System
The Auto-greasing system provides working efficiency as well as enhancing breaker durability.

· Underwater system
Remote location of air-check valve from the impact point prevents dust influx into the breaker. The underwater operation is available with unique device installation even in the deep water. Combination with Auto-grease device offers improved efficiency.Auto-grease device offers improved efficiency.

② Valve System
Easy to access of the external control valve.

· Structural Safety
The Safety increases efficiency and protection in housing and the valve provides smooth operations and controls functions of the piston.

· Cylinder Regulator
The regulator increases working efficiency with regulating the breaker power and the number of impacts by controlling moving distance of the piston.

· Underwater system
The Valve controls the oil flow and the rated pressure in the breaker.

③ Accumulator
The accumulator is composed of a rubber film, is compressed by the nitrogen gas in the upper part and is connected with the cylinder at the blow part.

· Shock Absorption System
The Shock absorption system enhances equipment durability in the impact and increases efficiency with oil supplements.

④ Cylinder
The minimum hydraulic system enables the breaker to maximize efficiency for reciprocation of the piston where high and low tension circulates.

· Cylinder Stability
The cylinder is manufactured by a precision machinery with the appropriate quality assurance, offering quality satisfaction.

⑤ Piston
The piston is installed in the cylinder, which converts the oil pressure into the impact power to break rocks.

· Durability
Quality proven materials in intensity, anti-wear, heat resistance, tenacity, anti-impact, internal pressure lengthen the life of piston.

· Post Management
The appropriate quality assurance system offers quality satisfaction.

⑥ Through Bolt
The 4 units of the bolts firmly fix the important components onto the breaker.

⑦ Front head
The front head supports the breaker and assembly with the bush, buffering shocks from the chisel.

⑧ Chisel
The Heat-treated tool for breaking rocks.

· Moil Point
Suitable for most of demolition, road construction, pier work as well as civil engineering.

· Chisel (Wedge Point)
Suitable for most of demolition, concrete cutting as well as tunnel construction.

· Blunt
Suitable for mine as well as a quarry.

Underwater System

Enhanced Protection & Reliability for Submerged Operation

Why the Underwater System?

When operating a breaker underwater, maintaining internal positive air pressure is essential. The KOMAC Underwater System supplies compressed air into the breaker to prevent water intrusion and protect vital components such as the piston, chisel, and seals.

Key Features

Component Protection

Extends life of piston, chisel, and seals by blocking moisture and sediment exposure.

Positive Air Pressure Shield

Prevents water ingress during underwater operation, ensuring internal component protection.

Integrated Safety Control

Pressure switch automatically stops the breaker if air supply drops below safe levels.

System Configuration

Air Piping

Delivers compressed air from the onboard compressor to the breaker.

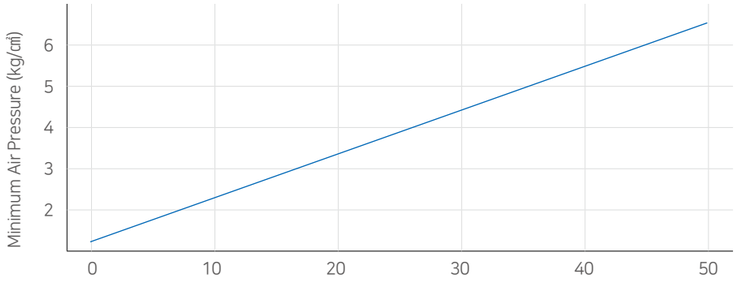
Pressure Adjuster

Sets required air pressure based on working depth.

Pressure Switch

Ensures safe operation by monitoring air levels.

Minimum Air Pressure Requirement



(Water Depth ÷ 10) + 1.5 kg/cm²
Maintains the breaker under safe positive pressure at all times

Operational Guidelines

Inspect hose routing & air pressure before entering the water.
Increase greasing intervals during underwater use.
Remove the breaker from water immediately after work and dry with compressed air.
Routine maintenance recommended due to shortened seal life under submerged conditions.

Performance Considerations

Slight reduction in striking power due to air system operation
Limited visibility in underwater conditions
Increased greasing frequency
More frequent maintenance of seals and wear components

Auto Greasing System

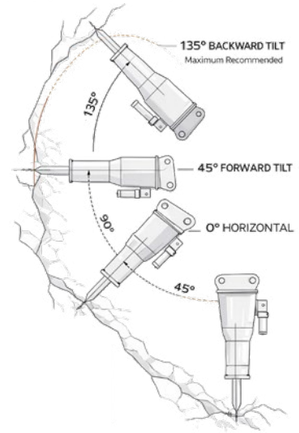
What is the Auto Greasing System?

The Auto Greasing System is designed to automatically supply the optimal amount of grease to the breaker's important wear components, significantly improving maintenance efficiency compared to conventional manual greasing methods.

Key Features

Breaker Working Range

0° ~ 135° Operating Angler For **Safe & Efficient Breaking**



Automatic Grease Delivery

Provides continuous and accurate lubrication to the tool bush and wear parts, ensuring stable performance even during long operation cycles.

Adjustable Output Quantity

Grease output can be adjusted using the Adjuster (0–7 mm stroke).
Max Output : L = 7mm Min Output: L = 0 mm

Integrated Safety Control

A compact, hose-less design integrated into the valve housing prevents hose damage and improves durability.

Working Angle	0° ~ 45°	45° ~ 75°	75° ~ 90°	90° ~ 120°	120° ~ 135°
Output Quantity	100%	90%	80%	70%	50%

Swivel Valve

Enhanced Protection & Reliability for Submerged Operation

The swivel valve is a patented feature designed to **protect the hose and hose adapter from damage caused by breaker vibration.**
Its free-rotation structure allows the hose connection to move smoothly without twisting or over-stressing the hose during operation.

Key Benefits

- Prevents hose and adapter damage caused by repeated vibration
- Allows 360° free rotation, reducing stress on the hydraulic line
- Improves durability of hose fittings and extends component life
- Enhances safety and stability during continuous breaking operations

Application field

KB

KB Series (Open Type)

Engineered with an open-frame structure for easy maintenance and improved cooling efficiency, the KB Series delivers reliable performance across a wide range of job sites.

TOR

TOR Series (Box Type)

Featuring a fully enclosed housing that minimizes noise and vibration, the TOR Series is ideally suited for urban environments and noise-restricted construction areas.

H

H Series

Designed for power, durability, and versatility, the H Series covers applications from compact machinery to large heavyduty equipment.

SL

SL Series (Skid Loader Type)

Optimized specifically for skid loaders, the SL Series offers enhanced operability and functionality, meeting customer demands for maneuverability and ease of use.

VB

VB Series (Backhoe Loader Type)

Purpose-built for backhoe loaders, the VB Series is designed to prevent collision with the loader's arm, ensuring safer and smoother operation in diverse working conditions.

PRODUCT SERIES

TOR Series - BOX Type

KB Series - OPEN Type

KB Series - H Type

OPTIONAL BREAKER
1. VB Type
2. SL Type
3. KV Type

K-SB Series

TOR Box Type SERIES

TOR (Box Type)

Enclosed housing minimizes noise and vibration, making it perfect for urban and noise-restricted areas.

Application Fields

- Urban Demolition
- Demolition & Renovation
- Mining & Quarrying
- Construction
- Demolition & Renovation
- Low-Noise Performance

Explanation for TOR Series

① Blank firing protection system control valve [On/Off]
② Built In auto greasing system to enhance the durability of breaker
③ Swivel Valve Application to prevent the damage of the existing hose
④ Nonstop pin type to prevent tool pin
⑤ Improve durability
⑥ Shock absorbing system

Specification

Item / Model		Unit	TOR1S	TOR2S	TOR3S	TOR5S	TOR6S	TOR7S	TOR8S	TOR10S
Selection of Machine		ton	0.5~1.5	0.8~3.0	1.2~4.0	3.0~5.0	3.5~7.0	5.0~9.0	7.0~10	10~13
		lbs	1,102~3,307	1,764~6,614	2,646~8,818	6,600~11,000	7,700~15,400	11,000~19,800	15,400~30,800	26,400~35,200
*Operating Weight Mount Cap+TOOL		kg	80	134	158	245	346	375	498	845
		lbs	176	295	348	540	763	827	1,098	1,863
Weight of Main Body		kg	50	60	77	165	178	188	284	430
		lbs	110	132	170	364	392	414	626	948
Required Oil Flow Rate		l/min	15~25	20~35	25~40	30~50	40~70	45~90	55~100	80~120
Setting Pressure of Machine		bar	90~130	150	150	160	170	170	195	210
		psi	1,305~1,885	2,176	2,176	2,321	2,466	2,466	2,828	3,046
Operating pressure of Breaker / Hammer		bar	90~120	90~120	90~120	100~130	110~140	110~140	130~160	150~170
		psi	1,305~1,740	1,305~1,740	1,305~1,740	1,450~1,885	1,595~2,030	1,595~2,030	1,885~2,320	2,176~2,466
Impact Rate		bpm	750~1,200	600~1,000	550~950	550~950	500 ~900	400~850	400~800	450~700
Rod/Chisel	Dia.	mm	40	46	53	58	68	75	85	100
		inch	1.57	1.81	2.09	2.28	2.68	2.95	3.35	3.94
	Length	mm	450	500	580	600	690	750	800	1,000
		inch	17.72	19.69	22.83	23.62	27.17	29.53	31.50	39.37
Impact Energy Class	General	kg f-m	16	25	35	50	75	90	140	265
		joule	157	245	343	490	735	883	1,373	2,599
Underwater			X	X	X	X	X	X	X	X
Auto-Greasing			X	X	X	X	X	X	X	X
Swivel Valve			X	X	X	X	X	X	X	X

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

Specification

Item / Model		Unit	TOR 13S	TOR 18S	TOR 23S	TOR 26S	TOR 36S	TOR 42S	TOR 55S	TOR 70S
Selection of Machine		ton	13~17	18~20	20~25	25~30	28~36	37~47	48~68	70~90
		lbs	26,400 ~ 35,200	37,479 ~ 50,706	39,683 ~ 57,320	44,092 ~ 66,138	59,525 ~ 77,162	74,957 ~ 103,617	103,617 ~ 154,324	143,300 ~187,392
*Operating Weight Mount Cap+TOOL		kg	950	1,250	1,550	1,950	2,150	3,210	4,150	6,200
		lbs	2,094.39	2,755.78	3,417.16	4,299	4,739.94	7,076.84	9,149.18	13,668
Weight of Main Body		kg	460	620	710	820	920	1,320	1,880	2,800
		lbs	1,014.13	1,366.87	1,565.28	1,087	2,028.25	2,910.10	4,144.69	6,173
Required Oil Flow Rate		l/min	80 ~ 120	90 ~ 125	125 ~ 150	150~ 180	160 ~ 190	190 ~ 250	210 ~ 310	300 ~ 400
Setting Pressure of Machine		bar	195	200	210	230	230	240	240	240
		psi	2,828.16	2,900.68	3,046	3,336	3,336	3,480.81	3,480.81	3,480.81
Operating pressure of Breaker / Hammer		bar	150 ~ 170	160 ~ 180	160 ~ 180	160 ~ 180	160 ~ 180	160 ~ 180	160 ~ 190	180~210
		psi	2,176 ~ 2,466	2,320 ~ 2,610	2,320 ~ 2,610	2,320 ~ 2,610	2,320 ~ 2,610	2,320 ~ 2,610	2,320 ~ 2,756	2,610 ~ 3,046
Impact Rate		bpm	450 ~ 700	360 ~ 700	400 ~ 800	240 ~ 600	360 ~ 700	240 ~ 500	210 ~ 450	180 ~ 350
Rod/Chisel	Dia.	mm	102	108	127	140	145	155	175	195
		inch	4.02	4.25	5.00	5.51	5.71	6.10	6.89	7.67
	Length	mm	1,000	1,100	1,200	1,200	1,300	1,500	1,650	1,800
		inch	39.37	43.31	47.24	47.24	51.18	59.06	64.96	70.86
Impact Energy Class	General	kg f-m	265	420	490	620	758	1,072	1,310	1,700
		joule	2,599	4,119	4,805	6,080	7,433	10,513	12,847	16,671
Underwater			O	O	O	O	O	O	O	O
Auto-Greasing			O	O	O	O	O	O	O	O
Swivel Valve			O	O	O	O	O	O	O	O

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KB Open Type SERIES

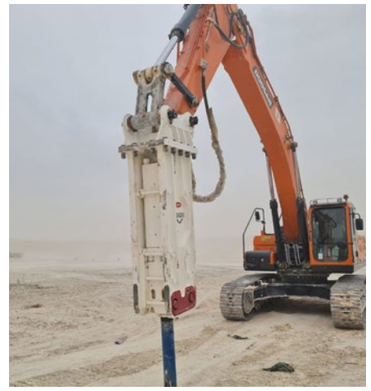
KB (Open Type)

Open-frame design ensures easy maintenance and superior cooling efficiency, ideal for various job sites.

Application Fields

- Cost-effective Solution
- Powerful Impact Applications

- Mining & Quarrying
- Construction
- Demolition & Renovation



Explanation for KB Series

① Applicable for the full range of earthmovers
② Adjustable blow speed to improve efficiency
③ Oil flow adjustable to the wide range of carriers
④ Better working convenience in small places
⑤ Replaceable tool bushing
⑥ Simple and efficient design
⑦ Easier and Faster maintenance
⑧ Certified with Europe CE Standard

Specification

Item / Model		Unit	KB 100V	KB 150V	KB 200V	KB 250V	KB 300V	KB 350V	KB 400V	KB 1000V	KB1300V
Selection of Machine		ton	0.5~1.5	0.8~3.0	1.2~4.0	3.0~5.0	3.5~7.0	5.0~9.0	7.0~10	10~13	13~17
		lbs	1,102~3,307	1,764~6,614	2,646~8,818	6,600~11,000	7,700~15,400	11,000~19,800	15,400~30,800	26,400~35,200	26,400~35,200
*Operating Weight Mount Cap+TOOL		kg	72	112	150	220	330	388	505	865	1,100
		lbs	159	247	331	485	728	855	1,113	1,907	2,425.08
Weight of Main Body		kg	50	60	77	165	178	188	284	430	460
		lbs	110	132	170	364	392	414	626	948	1,014.13
Required Oil Flow Rate		l/min	15~25	20~35	25~40	30~50	40~70	45~90	55~100	80~120	80~120
Setting Pressure of Machine		bar	90~130	150	150	160	170	170	195	210	195
		psi	1,305~1,885	2,176	2,176	2,321	2,466	2,466	2,828	3,046	2,828.16
Operating pressure of Breaker / Hammer		bar	90~120	90~120	90~120	100~130	110~140	110~140	130~160	150~170	150~170
		psi	1,305~1,740	1,305~1,740	1,305~1,740	1,450~1,885	1,595~2,030	1,595~2,030	1,885~2,320	2,176~2,466	2,176~2,466
Impact Rate		bpm	750~1,200	600~1,000	550~950	550~950	500~900	400~850	400~800	450~700	450~700
Rod/Chisel	Dia.	mm	40	46	53	58	68	75	85	100	102
		inch	1.57	1.81	2.09	2.28	2.68	2.95	3.35	3.94	4.02
	Length	mm	450	500	580	600	690	750	800	1,000	1,000
		inch	17.72	19.69	22.83	23.62	27.17	29.53	31.50	39.37	39.37
Impact Energy Class	General	kg f-m	16	25	35	50	75	90	140	265	265
		joule	157	245	343	490	735	883	1,373	2,599	2,599
Underwater			X	X	X	X	X	X	X	X	O
Auto-Greasing			X	X	X	X	X	X	X	X	O (Optional)
Swivel Valve			X	X	X	X	X	X	X	X	X

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

Specification

Item / Model		Unit	KB 1500V	KB 2000V	KB2500V	KB3000V	KB 3600V	KB 4200V	KB 5000V	KB 5500V	KB7000V
Selection of Machine		ton	18~20	18~25	20~26	25~30	28~36	36~45	45~50	48~68	70~90
		lbs	28,660~39,683	39,683~57,320	39,683~57,320	44,092~66,138	59,525~77,162	74,957~103,617	80,184~110,231	103,617~154,324	143,300~187,392
*Operating Weight Mount Cap+TOOL		kg	1,325	1,720	1765	1,850	2,300	3,150	3,650	4,380	6,520
		lbs	2,921	3,792	3,891.16	4,077	5,071	6,945	8,047.00	9,656.24	14,374
Weight of Main Body		kg	500	710	715	800	930	1,290	1,295	1,880	2,830
		lbs	1,102	1,565	1,576.31	1,763	2,050	2,844	2,855.00	4,144.69	6,239
Required Oil Flow Rate		l/min	90~120	125~150	125~150	150~180	160~190	190~250	190~250	210~310	300~400
Setting Pressure of Machine		bar	210	210	210	230	230	240	250	240	240
		psi	3,046	3,046	3,046.71	3,336	3,336	3,481	3,626.00	3,480.81	3,480.81
Operating pressure of Breaker / Hammer		bar	150~170	160~180	160~180	160~180	160~180	170~190	170~195	160~190	180~210
		psi	2,176~2,466	2,320~2,610	2,320~2,610	2,320~2,610	2,320~2,610	2,466~2,756	2,465~2,828	2,320~2,756	2,610~3,046
Impact Rate		bpm	400~900	400~800	400~800	240~600	360~700	240~500	180~380	210~450	180~350
Rod/Chisel	Dia.	mm	120	135	135	140	150	155	160	175	195
		inch	4.72	5.31	5.31	5.51	5.91	6.1	6.29	6.89	7.67
	Length	mm	1,100	1,200	1,200	1,200	1,300	1,500	1,400	1,650	1,800
		inch	43.31	47.24	47.24	47.24	51.18	59.06	55.12	64.96	70.86
Impact Energy Class	General	kg f-m	280	430	600	620	625	1,040	1,193	1,310	1,700
		joule	2,746	4,217	5,884	6,080	6,129	10,199	11,698	12,847	16,671
Underwater			O	O	X	O	O	O	O	O	O
Auto-Greasing			O (Optional)	O (Optional)	X	O (Optional)	O (Optional)	O (Optional)	O (Optional)	O (Optional)	O (Optional)
Swivel Valve			X	X	X	X	X	X	X	X	X

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

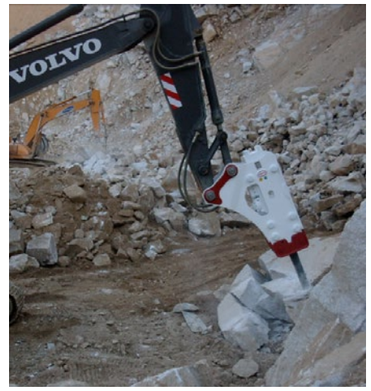
KB H Type SERIES

H Type

Built for power and durability, this model range covers from compact to heavy-duty applications.

Application Fields

- Compact-area Work
- Road Works
- Mining & Quarrying
- Construction
- Demolition & Renovation



Explanation for KB Series

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⑤ Replaceable tool bushing
⑥ Simple and efficient design
⑦ Easier and Faster maintenance
⑧ Certified with Europe CE Standard

Specification

Item / Model		Unit	KB 100H	KB 150H	KB 200H	KB 250H	KB 300H	KB 350H
Selection of Machine		ton	0.5~1.5	0.8~3.0	1.2~4.0	3.0~5.0	3.5~7.0	5.0~9.0
		lbs	1,102~3,307	1,764~6,614	2,646~8,818	6,600~11,000	7,700 ~15,400	11,000~19,800
*Operating Weight Mount Cap+TOOL		kg	80	134	158	245	346	375
		lbs	176	295	348	540	763	827
Weight of Main Body		kg	50	60	77	165	178	188
		lbs	110	132	170	364	392	414
Required Oil Flow Rate		l/min	15~25	20~35	25~40	30~50	40~70	45~90
Setting Pressure of Machine		bar	90~130	150	150	160	170	170
		psi	1,305~1,885	2,176	2,176	2,321	2,466	2,466
Operating pressure of Breaker / Hammer		bar	90~120	90 ~ 120	90~120	100~130	110~140	110~140
		psi	1,305~1,740	1,305~1,740	1,305~1,740	1,450~1,885	1,595~2,030	1,595~2,030
Impact Rate		bpm	750 ~1,200	600~1,000	550~950	550~950	500~900	400~850
Rod/Chisel	Dia.	mm	40	46	53	58	68	75
		inch	1.57	1.81	2.09	2.28	2.68	2.95
	Length	mm	450	500	580	600	690	750
		inch	17.72	19.69	22.83	23.62	27.17	29.53
Impact Energy Class	General	kg f-m	16	25	35	50	75	90
		joule	157	245	343	490	735	883
Underwater			X	X	X	X	X	X
Auto-Greasing			X	X	X	X	X	X
Swivel Valve			X	X	X	X	X	X

Item / Model		Unit	KB 400H	KB 1000H	KB 1500H	KB 2000H	KB 3600H	KB 4200H
Selection of Machine		ton	7.0~10	10~13	18~20	18~25	18~36	36~45
		lbs	15,400~30,800	26,400~35,200	28,660~39,683	39,683~57,320	59,525~77,162	74,957~103,617
*Operating Weight Mount Cap+TOOL		kg	498	845	1,210	1,700	2,100	2,856
		lbs	1,098	1,863	2,668	3,748	4,630	6,296
Weight of Main Body		kg	284	430	500	710	930	1,290
		lbs	626	948	1,102	1,565	2,050	2,844
Required Oil Flow Rate		l/min	55~100	80~120	90~120	125~150	160~190	190~250
Setting Pressure of Machine		bar	195	210	210	210	230	240
		psi	2,828	3,046	3,046	3,046	3,336	3,481
Operating pressure of Breaker / Hammer		bar	130~160	150~170	150~170	160~180	160~180	170~190
		psi	1,885~2,320	2,176~2,466	2,176~2,466	2,320~2,610	2,320~2,610	2,466~2,756
Impact Rate		bpm	400~800	450~700	400~900	400~800	360~700	240~500
Rod/Chisel	Dia.	mm	85	100	120	135	150	155
		inch	3.35	3.94	4.72	5.31	5.91	6.10
	Length	mm	800	1,000	1,100	1,200	1,300	1,500
		inch	31.50	39.37	43.31	47.24	51.18	59.06
Impact Energy Class	General	kg f-m	140	265	280	430	625	1,040
		joule	1,373	2,599	2,746	4,217	6,129	10,199
Underwater			X	X	O	O	O	O
Auto-Greasing			X	X	O (Optional)	O (Optional)	O (Optional)	O (Optional)
Swivel Valve			X	X	X	X	X	X

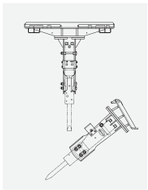
Above specifications are subject to change without prior notice for quality improvement.

OPTIONAL BREAKER

VB Type / SL Type / KV Type

Backhoe type (VB)

- Backhoe type is designed for backhoe loader to avoid a collision when using the arm of backhoe loader.
- According to various angles, there are 3 holes to fix it properly and to apply to variable standards.
- Backhoe type is improved for backhoe loader to meet customer requirement.



Skid loader type (SL)

- Applied to the special mounting cap of the exclusive skid loader.
- Skid loader type is improved for skid loader to operate it easily and to meet customer requirement..

HB1F / HB1S TYPE

- For Attachment on Backhoe Loader Type
- Three Pin Holes which are changeable if necessary required exact base machine dimension
- HB1F - fixed type, HB1S - separation type adjusted by SPACER (like as V type)

HB2F / HB2S TYPE

- For Attachment on Backhoe Loader Type
- When there is an interference caused by three Pin Holes and when it can be operated with one Pin Hole
- required exact base machine dimension

NOTE :
* Setting Pressure : Max. Operating pressure. +30 ~ 40 Bar setting.
  (Ex. Operating pressure : 160 ~ 180 bar, Setting Pressure : 180 + 30 ~ 40 = 210 ~ 220 bar)
* Impact Rate : The Cylinder adjuster is fully open and max. oil flow condition, which is applied to the above specification.
* Impact Energy : we could compare the above value between KB and K series according to calculations.
---K series is only different from KB series especially for both Piston and Tool(Chisel). All the rest of parts are all the same as before.

Specification

Item / Model		Unit	KB 100	KB 150	KB 200	KB 250	KB 300	KB 350	KB 400
Selection of Machine		ton	0.5~1.5	0.8~3.0	1.2~4.0	2.5~4.0	3.0~5.0	4.0~9.0	6.0~11
		lbs	1,102~3,307	1,76~6,614	2,646~8,818	5,512~8,818	6,614~11,023	8,818~19,842	13,228~24,251
Weight of Main Body		kg	50	60	77	165	178	188	284
		lbs	110.23	132.28	169.76	363.76	392.42	414.47	626.11
Required Oil Flow Rate		l/min	13 ~ 25	20 ~ 30	25 ~ 40	30 ~ 50	30 ~ 45	40 ~ 80	45 ~ 85
		gal/min(US)	3.43~6.60	5.28~7.93	6.60~10.57	7.93 ~ 13.21	7.93~11.89	10.57~21.13	11.89~22.45
Setting Pressure of Machine		bar	90 ~ 130	150	150	160	170	170	195
		Mpa	9 ~ 13	15	15	16	17	17	19.5
		psi	1,305.30 ~ 1,885.44	2,175.51	2,175.51	2,320.54	2,465.57	2,465.57	2,828.16
Operating pressure of Breaker / Hammer		bar	75 ~ 100	80 ~ 110	90 ~ 120	100 ~ 130	95 ~ 130	100 ~ 130	130 ~ 150
		Mpa	7.5 ~ 10	8 ~ 11	9 ~ 12	10 ~ 13	9.5 ~ 13	10 ~ 13	13 ~ 15
		psi	1,087.75~1,450.34	1,160.27~1,595.37	1,305.30~1,740.41	1,450.34~1,885.44	1,377.82~1,885.44	1,450.34~1,885.44	1,885.44~2,175.51
Impact Rate		bpm	800~1,200	600~1,000	550~950	500~950	500~900	450~950	400~800
Rod/Chisel	Dia.	mm	40	46	53	58	68	75	85
		inch	1.57	1.81	2.09	2.28	2.68	2.95	3.35
	Length	mm	450	500	580	600	690	750	800
		inch	17.72	19.69	22.83	23.62	27.17	29.53	31.50
Impact Energy Class	General	kg f-m	16	25	35	50	75	90	140
		joule	157	245	343	490	735	883	1,373

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

Specification

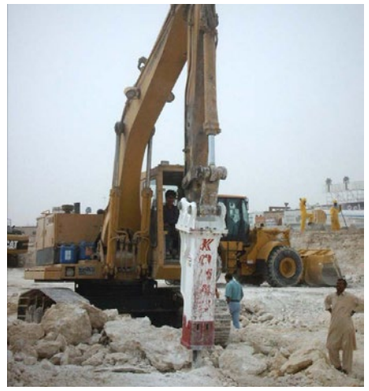
Item/Model		Unit	KB1500KV	KB2000KV	KB3600KV
Piston	Length	mm	698	800	877
	Weight	kg	66.5	95.8	129
Rod/Chisel	Dia.xLen'	mm	Ø120x1100L	Ø135x1245L	Ø150x1300L
	Weight	kg	87	125	166
BACK HEAD N2 Gas Charging Pressure		bar	**6.5**	**6.5**	**6.5**
		psi	94.25	94.25	94.25
Oil Flow Rate (gal(US)/min)		l/min	90-120	125-150	160-190
		gal/min	23.8-31.7	33-39.6	42.3-50.2
Operating Pressure		bar	150-180	180-200	170-200
		psi	2175-2610	2320-2755	2320-2755
Setting Pressure In Excavator		bar	210	210	230
		psi	3045	3045	3335
Impact Rate		bpm	400-900	400-800	360-700
Impact Energy		joule	**2600**	**4100**	**6310**
		ft·lb	1918	3024	4654

Item/Model	Unit	KB1500V	KB1500KV	KB2000V	KB2000KV	KB3600V	KB3600KV
BACK HEAD N2 Gas Charging Pressure	bar	**6**	**6.5**	**6**	**6.5**	**6**	**6.5**
	psi	87	94.25	87	94.25	87	94.25
Impact Energy	joule	**2380**	**2600**	**3830**	**4100**	**6000**	**6310**
	ft·lb	1755	1918	2825	3024	4425	4654

K-SB SERIES

Application Fields

- Mining & Quarrying
- Demolition & Renovation
- Construction
- Metallurgical Industry
- Recycling



Explanation for Open Series

① Applicable for the full range of earthmovers
② Adjustable blow speed to improve efficiency
③ Oil flow adjustable to the wide range of carriers
④ Better working convenience in small places
⑤ Replaceable tool bushing
⑥ Simple and efficient design
⑦ Easier and Faster maintenance
⑧ Certified with Europe CE Standard

Specification

Description / Model		KSB 70	KSB 81	KSB 100	KSB 121	KSB 131	KSB 151
Operating Weight	kg	1,510	1,770	2,070	2,630	2,840	3,980
Total Height	mm	2,750	2,830	3,040	3,230	3,350	3,770
Operating Pressure	bar	160~180	160~180	160~180	160~180	160~180	160~180
Required Oil Flow	l/min	100~150	120~150	140~190	170~240	190~250	210~290
Impact Rates	bpm	350~600	400~490	300~450	320~450	280~370	230~320
Hose Size	inch	1	1	1	1&1/4	1&1/4	1&1/4
Chisel Dia.	mm	135	140	150	155	165	175
Carrier Weight	tons	1,622	2,028	2,532	2,840	3,240	3,560

* Above specifications are subject to change without prior notice for performance enhancement.

Applicable Model & Structure

Wider Carrier Range of Komac Hydraulic Breaker

(Operating Weight and Average Mounting Group)

	KB100V TOR1S EXC	KB150V TOR2S EXC	KB200V TOR3S EXC	KB250V TOR5S EXC	KB300V TOR6S EXC	KB350V TOR7S EXC	KB400V TOR8S EXC	KB1000V TOR10S EXC	KB1300V TOR13S EXC
	0.5~1.5 ton	0.8~3 ton	1.2~4 ton	3 ~5 ton	3.5~7 ton	5 ~9 ton	7~10 ton	10~13 ton	13~17 ton
BOBCAT	543, 625, 721, 753, 843, 440B, 520/530, 542/643, 620/700, 741/742/743, X 119, X	X 119, X 120, 440B, 443, 520/530, 543, 741/742/743, 721, 753, 625, 753, 843	443, 543, 625, 721, 753,843, 440B, 520/530 ,542/643,620/700,741/742/743, 853H, X 119, X 120, X 123, X 125, X 220, X 225,X 231, X 320, X 325, X 331	X 231, X 325, X 331	X 231, X 331, X 335	X 238, X 335		X 28, X 20T	
CASE	1818UNILD, CK08, CK1.3	CK 08, CK1.3, 1835B UNILD, 1830 UNILD, 1818 UNILD	CK 08, CK 1.3, 1835B UNILD, 1830 UNILD, 1845B UNILD, 1818 UNILD			580 CK"B"/35, 580 CK/33, 680 CK"C"/35, 680 CK"C"/36	580 CK"B"/35, 680 CK"C"/35, 680 CK"C"/36	35YC, 35YC	35YC
CATERPILLAR						307, 414, 426, 428, 438	307, 414, 426, 428, 438	205, 206, 211, 212,312, 205 B, 206 B, 212 B, M 315, 312, 206BFT, 212BFT, 312/311	205, 206, 211, 212, 312, 205 B, 206 B, 212 B, M 315, 206BFT, 212BFT, 311
DOOSAN	DX27Z, DX27Z, SOLAR010, SOLAR015	SOLAR010, SOLAR015	SOLAR030, SOLAR035, DSL602	SOLAR030, SOLAR035,	DSL702, DSL802, DX55	SOLAR55, DSL902	SOLAR80	DX140W	DX140W
HITACHI	EX 12, EX 15, EX 8, UE 10, UE 15	UE 10, EX 12, EX 15, UE 15, EX 22,UE 20, EX 30, UE 30	EX 1100, EX 12, EX 15, EX 22, EX 25,EX 30, EX 35, EX 8, UE 10, UE 15, UE 20, UE 30, UE 40	EX 1100, EX 25, EX 30, EX 35	EX 1100, EX 35, EX 40, EX 45	EX 40, EX 45, EX 60,EX 60-2, EX 60-3, EX 60 HD, EX 60 WD	EX 100, EX 100-2,EX 100-3, EX 100WD, EX 60, EX 60-2, EX 60-3, EX 60 HD, EX 60 WD, EX 90, EX 90 WD	EX 100, EX 100 / M-5, EX 100 /WD, EX 100 / WD-1, EX 100 WD,EX 100-2, EX 100-3, EX 100M, EX 120, EX 120 WD, EX 120-1, EX 120-2, EX 120-3, EX 120-5, EX 150, EX 150 / LC, EX 150 WD	EX 100, EX 100 / M-5, EX 100/ WD, EX 100 / WD-1, EX 100-2, EX 100-3, EX 100-3, EX 100M, EX 120, EX 120 WD, EX 120-1, EX 120-2, EX 120-3, EX 120-5, EX 150
HYUNDAI			HSL 600 (S/K)					R 120 W, R 130 LC, R 1300LC(W)-3	R 120 W, R 130 LC, R 1300LC(W)-3
JCB	801	801, 801-5, 803, Robot 150, 801-6	801, 802, 1 CX, 801-5, 803, Robot 150, 801-6,ROBOT 150, ROBOT 185	802, 1 CX, ROBOT 185	802,2 CX, 2 CX 4, ROBOT 185	3 CX 4, 4 CX,2 CX, 2 CX 4, 2 D, 3C, 3 C/D, 3 CX, 3 CX4, 3 D, 3 DB, 4 C, 3 DB 4, 3 DS-4, 4 C, JS 70	3 CX 4, 4 CX, 5 B, 2 D, 3 C, 3 C/D, 3CX, 3 CX 4, 3 D, 3DB, 4 C, 3 DB 4, 3 DS-4, 4 C, JS 70		7, 805, 806, 811, 812, 814, 5 B, 5 C / 5W, 6 B, 6C, 6(4-Zyld), 805B, 805B Turbo, 806B, 806C, JS110, JS 130, JS 130 W, JS 150 W
JOHN-DEERE						JD 190 E, JD 410 /9505	JD 190 E, JD 290 D,JD 410 /9505	JD 290 D, JD 490 E, JD 495 D, JD 590 D, JD555, JD710B	JD 290 D, JD490 E, JD495 D, JD590 D, JD555, JD710B
KOBELCO	SK 07, SK 07-2, SK 013	PC05, PC05-1, PC05-5, PC05-6, PC07-2, PC10-3, PC10-5, PC10-6, PC15-2, PC20-2, PC20-3, SK 013, SK 015, SK 07, SK 015, SK 025	SK 015, SK 025, SK 030, SK 035, SK 07, SK 007-2	SK 025, SK 030, SK 035	SK 030, SK 035, SK 045, SK 050	SK 045, SK 050, SK 60 III, SK 60 MARK 1	SK 100 III, SK 100 MARK 1, SK 60 III, SK 60 MARK 1		SK 100 III, SK 100 MARK 1, SK 110 IV, SK 120 III, SK 120 MARK 1, SK 130 IV, SK 150 III, SK 100 MARK3, SK 100W, SK 120/LC/MK3, SK 150/LC/MK3, K904
KOMATSU	PC05, PC05-1 / 5, PC05-5, PC05-6		PC05, PC05-1, PC05-5,PC05-6, PC05-7, PC07, PC07-2, PC10-3, PC10-5, PC10-6, PC10-7, PC15-2, PC20-2 / 3	PC10-6, PC10-7, PC20-6, PC20-7, PC30-6, PC30-7	PC20-6, PC20-7, PC30-6, PC30-7, PC40-6, PC45-1	PC40-6, PC45-1, PC60-5, PC60L-5, PC60U-5, PC95, PW 60-5	PC60-5, PC60L-5, PC60U-5, PC95, PW 60-5, PW 95, PW 95-5	PC100-2, PC120-2, PC120-5, PC120-6, PC150-3, PC150-5, PC150H-5, PC150HD-3, PC180L-5, PC203, PC 200-5, PC 50, PC505	PC120-6, PC150-5, PC150H-5, PC180L-5, PC20 3 , PC50, PC505, PW130-6, PW 95, PW95-5, PW100-3, PC100-2, PC120-2
LIEBHERE						A308	L506 / 507 / 508 / 509 / 512 / 514	A900, R900, A/R90, R308, A310, A312, A314	A900, R900, A/R901, R308, A310, A312, A314
SUMITOMO		SH20JX, SH25JX, SH28J	SH20JX, SH25JX, SH28J, SH35J, SH35JX-2, S100, LS1000J			LS-1600 FJ		LS 2600 FJ2, LS 2600J, LS 2650 AJ, LS 2650 FJ2, LS 2650EJ/S 265E, S 250, S 260/S 40, S 260E, S 260LLS, S 260SS, S 265, SH 100LC-2,SH 120-3, SH 135U-2	LS 2600 FJ2, LS 2650 FJ2, S 250, S 260/S 40, LS 2600J, S260E, SH 120-3, S 260LL, S 260SS, S 265, LS 2650 AJ, LS2650EJ/S 265E, SH 135U-2, SH 100LC-2
VOLVO	EC15B	EC15B, EC14, EC20B	EC25, ECR28, ZL302C	EC30, EC35, ECR28	EC45	EC55, EW50,ECR58, L20B/25B/30B /35B/40B/45B	BL74, L50D, 612,616B	EC130, EW130, EC140, EW145, EW646, L60E, L70E	EC130, EW130, EC140, EW145, EW646, L60E, L70E

	KB1500V TOR18S EXC	TOR23S EXC	KB2000V EXC	KB3000V TOR26S EXC	KB3600V TOR36S EXC	KB4200V TOR42S EXC	KB5000V EXC	KB5500V TOR55S EXC	KB7000V TOR70S EXC
	18~20 ton	20~25 ton	18~25 ton	25~30 ton	28~36 ton	36~47 ton	45~50 ton	48~68 ton	70~90 ton
BOBCAT									
CASE	35YC								
CATERPILLAR	205, 211, 214, 311,312, 315, 317, 205 B, 206BFT, 211 B, 211LC, 212 B, 212BFT, M 315, M318	224, 225, 320, 322, 213 B, 214 B, 215 BLC/SA, 215 C/LC, 215 D/LC, 219 D, 219LC, 224 B, 225 A-C, 225 B, 225 BLC, 225 D, 320 B-Stiel, 320 C-Stiel	219, 224, 225, 320, 322, 213 B, 214 B, 215 D, 219 D, 224 B, 225 A-C, 225 D, 225 B, 320 B-Stiel, 320 C-Stiel, 320L, M 318, 215, 215 BLC/SA	225, 322, 325, 225 A-C, 225 B, 320L, 325 C, 325 LR W/L, 325 ME D-Stiel, 225 BLC, 322 L/N/LN, 225 B, 225 D/LC, 325 L/LN, 325 BL, E240/240 B		231, 235, 330, 231 D, 235 B, 235 BME, 235 C, 235 ME C, 235/235B/235C, 330 BL, AL,330 C-Stiel, 330 D-Stiel, 330 E-Stiel, 330 L/LM, 330 ME, 330 ME E-Stiel	231, 235, 330, 231 D, 235 B, 235 BME, 235 C, 235 ME C, 235/235B/235C, 330 BL, AL,330 C-Stiel, 330 D-Stiel, 330 E-Stiel, 330 L/LM, 330 ME, 330 ME E-Stiel	350, 245 B, 245 B ME, 245 B,D, 245 ME A, 245/CODE 61(141847), 315L, 350 F-Stiel, 350 ME, 350 ME/LME/L, 245	375, 245 B ME, 245ME A, 375 H-Stiel, 375 J-Stiel, 375 ME/LME/L
DOOSAN	SOLAR170	DX210W, DX220LC	DX210W, DX200LC	DH280, S280LC-III, S290LC-V, S280	DX300LC, SOLAR300LC	DX350LC, DC380LC, DX420LC	DX350LC, DC380LC, DX420LC, DX480LC	DX480LC, DX530LC	DX530LC, DX700LC
HITACHI	EX 150, EX 150 LC, EX 150 WD, EX 150-1, EX 160 WD, UH 06D/062, WH 073D	EX 200, EX 200-2, EX 200-3, EX200-3, EX 220, EX 220-2, EX220-3, EX 220, EX 200 / LC, UH 073, UH073, UH 073, UH 081 / LC, UH 09, UH 09 / LC, UH 083 / LC, UH 09, UH 10	EX 200, EX 200-2, EX 200-3, EX200-3, EX 220, EX 220-2, EX220-3, EX 220-1, EX 200 / LC, UH 073, UH081 / LC, UH09, UH103 / LC, UH081 / LC, UH083 /LC, UH09, UH 10	EX 160 HD, EX 220, EX 220-2, EX220-3, EX 270, EX 270-3, EX 300, EX 300-2, EX 300-3, EX 220-1, EX 270 SEE A , UH 09, UH 103 /LC, EX 270 / LC, UH 123, UH121 / LC	EX 160 HD, EX 300, EX300-2, EX 300-3, EX3500, EX 270 SEE A , UH 121 / LC, UH 143 /LC, EX 300 /LC, UH 14/ 142	EX 400, EX 400-1, UH 14 / 142, UH 170 / LC, UH 181, UH 171LC, EX 400 / LC, UH 181	EX 400, EX 400-1, UH 14 / 142, UH 170 / LC, UH 181, UH 171LC, EX 400 / LC, UH 181	EX 550, EX 700, UH20, EX 00 / H, BE, UH 120	EX 1800-2, EX 700, EX 700 / H, BE, UH30
HYUNDAI	R 130 LC, R 1300LC(W)-3	R 200W-2/200W, R 180LC-3, R 200LC/210LC, R 210LC-3, R 2000W/LC, R 250LC-3	R 200W-2/200W , R 180LC-3, R 200LC/210LC, R 210LC-3, R 200W-2/200W, R 2000W/LC, R 180LC-3, R 200LC/210LC, R 210LC-3, R 2200LC-3, R 250LC-3	R 280, R 250LC-3, R 290LC, R 290LC-3	R 320LC-3, R 290LC, R 290LC-3, R 320LC-3	R 360LC-3, R 420/450LC-3, R 3600LC-3, R 360LC-3, R 420/450LC-3	R 360LC-3, R 420/450LC-3, R 3600LC-3, R 360LC-3, R 420/450LC-3	R 480LC-9, R 480LC-9S	R 520LC-9, R 520LC-9VS
JCB	6 B, 7, 806, 807, 812, 814, 6 C, 6(4-Zyld), 6(4-Zyld) CD, 7 B, 805B, 805B Turbo, 806B, 806C, JS 130, JS 130W, JS 150, JS 150 W, JS 160	8B, JS 200, JS 240, 817, JS 180, 807B, 7B / 7C, 807C, JS 210, 8C / 8D, 808, JS 240 / 260	808, 817, 7B/7C, 8B, 807B, 807C, 8C/8D, JS 180, JS 200, JS 210, JS 220, JS 240, JS 240 / 260	8B, JS 240, 8C/8D, 808, JS 240/260	JS 300	JS 450	JS 450		
JOHN-DEERE	JD 590 D, JD 690 B	JD 690 D, JD 690 E, JD 790 E, JD 54	JD 690 D, JD 690 E, JD 790 E, JD 690 B, JD 54	JD 790 E, JD 792	JD 892 E, JD 792, JD 892D	JD 890, JD 990, JD 992 D	JD 890, JD 990, JD 992 D		
KOBELCO	SK 150 III, SK 160 IV, SK 150/LC/MK3	SK 200-4, SK 200-LC MK 4, SK 200 III, SK 200 LC, SK 200 LC MARK III, SK 200 MARK1, SK 200 MARK III, SK 210 IV, SK 220 MK III, SK 220 III MARK 1, SK 220 LC	K907D/ DL, K909A / LC, SK 200III, SK 200 LC, SK 200 LC MARKIII, SK 200 MARK 1, SK 200MARK III, SK 200-4, SK200-LCMK 4, SK 210 IV, SK 220 III MARK 1	SK 220 LC, SK 220 MARK 1, SK 250 IV, SK 300, SK 300 II MARK 1, K909A / LC	SK 300, SK 300 II MARK 1, SK 300 III MARK 1, SK 330 IV, SK 300/LC/MK3	SK 400, SK 400 LC, SK 460 IV, K914, SK 400/LC/MK3	SK 400, SK 400 LC, SK 460 IV, K914, SK 400/LC/MK3	SK 600	
KOMATSU	PC120-5, PC 150-1, PC150-3, PC 150-5, PC150H-5, PC 150HD-3, PC150HD-5, PC180L-5, PC200-5, PC50, PC50 5, PW130, PW130-6	PC180-5, PC200-5, PC200-6, PC200 LC5 , PC210-5, PC210-6, PC220-5, PC240-5, PC240-6, PC260-6, PC200LC, PC220 LC 3, PC180-3	PC180-3, PC180-5, PC200 LC, PC200 LC 3, PC200 LC 5, PC200 LC 6, PC200-1, PC200-2, PC200-3, PC200-5, PC200-6, PC210-3, PC 210-5	PC220-5, PC240-5, PC240-6, PC250LC-6, PC260-6, PC280-5, PC220 LC 3 , PC220-2, PC220-3, PC280-3, PC300-1, PC210LC-6, PC220-1	PC250LC-6, PC280-3, PC280-5, PC 300, PC300-1, PC300-2, PC300-3, PC300-5, PC300-6, PC300L-5, PC300LC 3 , PC300LC-5, PC300LC-6	PC360-5, PC400-5, PC400 LC-5, PC400LC-6, PC360-3, PC400-1, PC400-3, PC360-5, PC400-5	PC360-5, PC400-5, PC400 LC-5, PC400LC-6, PC360-3, PC400-1, PC400-3, PC360-5, PC400-5	PC550-5, PC650-5, PC650-1, PC650-3	PC650-5, PC650-1, PC650-3
LIEBHERE	A/R902, A/R900, R310, R312, A316	A/R904, A/R912, A/R914, A/R921, A/R922, A924, A/R932, R941	A/R904, A/R912, A/R914, A/R921, A/R922, A924, A/R932, R941	R922 Litronic, R932, R932 Litronic, R902HD-K, A/R932, R941, R941B		R954, R961, R962	R954, R961, R962	A944, R962LIT, R964, R974	R972, R 974 Litronic
SUMITOMO		LS-3400 FJ2, LS 2800 FL2, SH 200-3, S 280 / S70, LS 2800CJ, LS 2800DJ / S280, S 280 E, SH 200 LC-2, SH 200 HD-2, SH 215 X, SH220-3, S 340, LS 3400J / S90	LS 2800 FL2, LS 3400AJ / S340, LS 3400EJ / S340E, LS 3400J / S90, LS2800CJ, LS2800DJ / S280, LS-3400 FJ2, S 280 / S70, S 280 E, S 340, S 9211 R, S 9411 R	LS 3400 FJ2, SH 220-3, S 340, LS 3400J / S90, SH 220LC-2, LS 3400AJ / S340, LS 3400EJ / S340E, LS3900J/S100, S 400, LS 3900S/S400, S 100	S400, LS3900S/S400, S100, LS4300EJ, LS4300EJ/S430E, SH300-2B, SH350HD-2B	LS-5800 FJ2, LS5800J/S580, SH400-2B, SH450HD-2B	LS-5800 FJ2, LS5800J/S580, SH400-2B, SH450HD-2B		S740, LS7400A
VOLVO	EC150, EW150, EW160, L90E	EC200, EC210, EC230, EC240, EW230	EC200, EC210, EC230, EC240, EW230	EC240	EC280, EC290, EC300, EC360	EC360, EC390, EC420, EC450, EC460, EC480	EC360, EC390, EC420, EC450, EC460, EC480, EC500	EC620, EC650, EC550	EC700, EC750