

KOMATSU

HYDRAULIC BREAKERS

B SERIES

Operating weight: 255 - 4,550 kg
Machine class: 2.4 - 70 t
Komatsu carriers: PC26MR-3 - PC600LC-8E0

H SERIES

Operating weight: 150 - 4,848 kg
Machine class: 1.5 - 80 t
Komatsu carriers: PC26MR-3 - PC600LC-8E0

V SERIES

Operating weight: 1,450 - 7,754 kg
Machine class: 18 - 120 t
Komatsu carriers: PC210LC-10M0 - PC1250-8R



Photos may include optional equipment.

WALK-AROUND

»Komatsu hydraulic breakers have been designed to work with precision and quality in every Series.

»They provide superior impact energy in a wide variety of applications, and high adaptability according to the working conditions. Regardless of the context, their performance is outstanding in all kind of tasks.

»B SERIES

- Nitrogen-type.
- High impact energy.
- Automatic greasing.



»H SERIES

- Accumulator-type.
- Compact version: light, simple, reliable.
- Large version: powerful, two-speed.
- Large version: automatic greasing.



»V SERIES

- Accumulator-type.
- Fully variable speed selection (15-speed).
- Highest productivity.
- Automatic greasing.



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Komatsu carriers:

PC210LC-10MO - PC1250-8R

»Select the right tool for the job

»Using the correct tool is the first step in obtaining maximum life and performance from the breaker. It will also decrease overall running costs and increase productivity.

»Pyramid

- »Application: secondary breaking, demolition, mass excavation.
- »Material: low and medium hardness, homogeneous structure.



»Chisel

- »Application: trenching, mass excavation.
- »Material: low and medium hardness, non-homogeneous structure, abrasive.



»Blunt

- »Application: secondary breaking.
- »Material: high hardness, abrasive.



»Moil point

- »Application: secondary breaking, demolition, mass excavation.
- »Material: low and medium hardness, non-homogeneous structure.



»Specials

»Uniquely designed tools are available for special applications, such as extremely abrasive material, soft material or tunneling.

I B-SERIES HYDRAULIC BREAKERS



»Simple, powerful, reliable

»Komatsu B-series hydraulic breakers provide superior impact energy and breaking force in any application. The simplicity of their design combined with high quality components give you breakers that can fit on any machine, and work under any condition, for many years. With up to 30% less components, these breakers require little maintenance, are easy to service and propose market-leading reliability.

»The optional automatic lubrication can extend their lifetime even further.



JTHB60-3

»Specifically designed for WB93/97.



Heavy-duty housing

»Extremely tough and wear-resistant housing
- on every single model!



»Fully suspended, silent

»The fully suspended power cell dampens shockwave transmission, increasing operator comfort, reducing noise and protecting the carrier.

»Accumulator-free technology

»The integrated nitrogen gas cushion absorbs the piston recoil energy and recycles it for the next blow. High quality seals prevent ill-timed and frequent refills!

»Two moving components

»To keep operating and maintenance cost down, these breakers feature 30% fewer parts than their competitors - and every single one of those parts is designed to Komatsu's strict engineering and quality standards. This means fewer parts need to be replaced, repairs are straightforward, reliability is unbeatable.

»High quality tools

»Komatsu Genuine tools are much more than just machined pieces of steel. The best alloys guarantee a long wear life. Delicate heat treatment result in a faultless and tough product. Careful and precise machining ensure the piston impacts the tool at the right moment for maximum energy transfer.



»Optional automatic lubrication

»Provides continuous greasing, extending the lifetime of the bushings and tool, protecting your investment.

B SERIES

Models: 11

Operating weight: 255 - 4,550 kg

Machine class: 2.4 - 70 t

Oil flow: 25 - 390 L/min

Tool diameter: 58 - 178 mm

H-SERIES HYDRAULIC BREAKERS

»An ace up their sleeve

»Twelve new models join the Komatsu hydraulic breaker range. Based on accumulator-type technology, these breakers deliver consistent impact power in any environment, on any machine. Innovative features and clever design improve production while lowering the total cost of ownership significantly.

»COMPACT range

»Seven breakers, from 150 to 730 kg cover the utility and midi excavator segment. These breakers are designed with a compact and light body, improving machine stability, operator visibility and comfort. The inside is simple and reliable: no tie rods, but with high quality components, automatic pressure regulation, high back pressure tolerance and blank firing protection.



»LARGE range

»Five heavy-duty breakers designed to obliterate any material in their path. Suitable for carriers between 15 and 80 t, these breakers will automatically adjust their working frequency depending on the hardness of the material. Other features? Heavy-duty housing and build, automatic greasing, blank firing protection, swivel hose couplings, field-replaceable bushings, overflow protection, adjustable pressure regulation, and more.



»Automatic greasing system

»Breakers from JMHB130H-1 to larger models include automatic greasing system.



»Swivel hose coupling

»Extends hose lifetime.



»Nitrogen accumulator

»Constant power over time.
»No need of nitrogen refill.

»Large diaphragm accumulator

»Full power, day after day, with no need to refill nitrogen. Smoothens pressure spikes, protecting the carrier.

»Advanced blank firing protection as standard

»Protect your investment! Piston movement is not interrupted, but impact is prevented by a hydraulic brake. Saves time and money.

»High back pressure tolerance

»The H-series utility breakers can work on any machine, thanks to their high tolerance for back pressure.

»Pressure regulator valve

»Maintains a constant operating pressure, providing powerful impact strokes, whatever the conditions. On some models, the valve can also divert up to 15% of excessive flow, protecting the breaker from damage.

»Compact and light housing

»The H-series utility breakers are incredibly compact, enabling better operator visibility and greater stability and comfort.

»Fully suspended, silent

»The fully suspended powercell reduces shock wave transmission, resulting in higher operator comfort and less noise.

»Automatic greasing system

»From JMHB130H-1 to larger models, automatic greasing system is included, which continuously provides the optimal amount of grease to the breaker.

»Automatic 2-speed selection

»From model JMHB220H-1 to JMHB660H-1, the breakers have two different impact rates, which are automatically set depending on the rock condition, increasing productivity.

»Swivel hose couplings

»The hoses are connected on articulated couplings, allowing them to move freely, for less breakage risk and a longer lifetime.

»Right tool for each job

»Standard:moil point, pyramid, chisel or blunt tool.

»Specials: special tools are available for dust extraction, super abrasive applications or work in soft ground.



H SERIES

Models: 12

Operating weight: 150 - 4,848 kg

Machine class: 1.5 - 80 t

Komatsu carriers: PC26MR-3 - PC600LC-8EO

Oil flow: 25 - 380 L/min

Tool diameter: 55 - 190 mm

V-SERIES HYDRAULIC BREAKERS

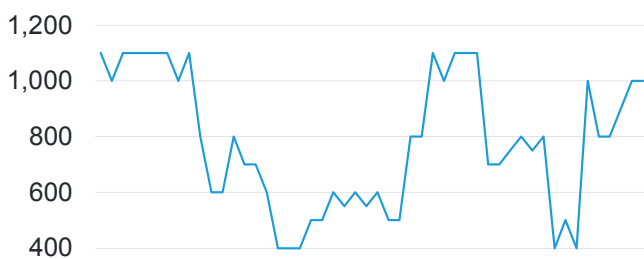


»Unrivalled productivity and lowest cost per ton

»Komatsu V-series breakers are designed for maximum productivity in any application, whilst lowering cost per ton. They are at home in any application, for demolition, mass excavation or secondary breaking.

»They fully modulate their impact force and frequency to match the application's requirements, with no wasted energy and, therefore, with a much higher operating efficiency. A patented valve recuperates energy and further improves this efficiency.

»As with the H-series, many features such as the automatic greasing, advanced blank firing protection, swivel hose couplings and heavy-duty housing are standard. In addition, patented bushing protects the tool and retaining pins by absorbing any torque on the tool.



300% energy variation in 1s.

»Fully variable technology

»Depending on the application's hardness, V-series breakers automatically select the optimal piston stroke length and speed. By adjusting to either hard material, with long and powerful strokes, or to softer material, with shorter, faster strokes, the highest production output is consistently achieved, with no waste of impact energy.

»Integrated automatic lubrication as standard

»Provides continuous greasing, extending the lifetime of the bushings and tool, protecting your investment.

»Pressure regulator valve

»Maintains a constant operating pressure, providing powerful impact strokes, whatever the conditions.

»Fully suspended, silent

»The fully suspended powercell reduces shock wave transmission, resulting in higher operator comfort and less noise.

»Large diaphragm accumulator

»Full power, day after day. Smoothens pressure spikes, protecting the carrier.

»Swivel hose couplings

»The hoses are connected on articulated couplings, allowing them to move freely, for less breakage risk and a longer lifetime.

»Patented overflow protection

»These breakers are protected from accidental flow adjustments thanks to a patented overflow protection system.

»Energy recovery valve

»More than 90% energy recovery, making them the most efficient breakers in their class!

»Advanced blank firing protection as standard

»Protect your investment! Piston movement is not interrupted, but impact is prevented by a hydraulic brake. Saves time and money.

»Tool protection system

»Torque on the tool is absorbed by the TPS bushing, instead of the retaining pins. In combination with bronze bushing, this dramatically extends the tool's lifetime.

»The right tool for the job

»Choice of various tools for each type of application:

- Standard: moil point, pyramid, chisel or blunt tool.
- Specials: special tools are available for dust extraction, super abrasive applications or work in soft ground.

»Fully variable automatic speed selection

»Enabling the highest production in any application, these breakers can select exactly the right amount of power to break through the material, without wasting any energy.



V SERIES

Models: 5

Operating weight: 1,450 - 7,754 kg

Machine class: 18 - 120 t

Komatsu carriers: PC210LC-10M0 - PC1250-8R

Oil flow: 120 - 550 L/min

Tool diameter: 122 - 215 mm

MODEL LISTING

B-series hydraulic breakers

Model	Unit	JTHB30-3	JTHB40-3	JTHB50-3	JTHB60-3	JTHB70-3	JTHB120-3	JTHB160-3
Operating weight	kg	255	320	385	570	585	950	1,240
Oil flow (min-max)	L/min	25 ~ 40	30 ~ 55	35 ~ 60	40 ~ 70	45 ~ 80	80 ~ 120	100 ~ 140
Operating pressure	MPa	10 ~ 15	10 ~ 16	10 ~ 16	10 ~ 16	10 ~ 16	14 ~ 18	12 ~ 17
Impact rate	bpm	550 ~ 1,000	580 ~ 1,060	550 ~ 1,000	600 ~ 1,050	550 ~ 1,000	450 ~ 720	430 ~ 600
Tool diameter	mm	58	64	75	75	95	105	115
Max. back pressure	MPa	3	3	3	1.8	1.5	2	3
Carrier size	t	2.4 ~ 4	3 ~ 4.5	3.8 ~ 6	6 ~ 11	6 ~ 11	8 ~ 14	14 ~ 20
Komatsu carriers		PC26MR-3 PC35MR-5 SK820-5E0	PC35MR-5 SK820-5E0	PC45MR-5M0 WB93R-5E0 WB97R-5E0	WB93R-5E0 WB97R-5E0	PC88MR-8 WB93R-5E0 WB97R-5E0	PC88MR-8 PC130-8 PC200-10M0 CE	PC160LC-8

Model	Unit	JTHB210-3	JTHB350-3	JTHB450-3	JTHB650-3
Operating weight	kg	1,830	2,700	3,600	4,550
Oil flow (min-max)	L/min	160 ~ 200	180 ~ 230	240 ~ 300	280 ~ 390
Operating pressure	MPa	14 ~ 18	13 ~ 18	14 ~ 18	14 ~ 18
Impact rate	bpm	450 ~ 630	380 ~ 450	370 ~ 470	370 ~ 470
Tool diameter	mm	135	146	160	178
Max. back pressure	MPa	2	2.5	3	3
Carrier size	t	18 ~ 25	27 ~ 40	38 ~ 50	45 ~ 70
Komatsu carriers		PC210LC-10M0 PC220LC-8M0	PC300LC-8 PC350LC-8M0 PC390LC-8M0	PC500LC-10M0 PC390LC-8M0	PC500LC-10M0 PC600LC-8E0

All B-series breakers include a breaker tool, a toolbox, hose kit, coupling plate, gas refill kit and a one-year warranty.
Optional: lubrication system.



H-series hydraulic breakers

Model	Unit	JMHB35H-1*	JMHB45H-1*	JMHB55H-1*	JMHB70H-1*	JMHB80H-1*	JMHB100H-1*	JMHB130H-1*
Operating weight	kg	150	225	275	365	445	498	730
Oil flow (min-max)	L/min	25 ~ 50	30 ~ 65	40 ~ 75	55 ~ 100	70 ~ 120	75 ~ 137	80 ~ 140
Operating pressure	MPa	12	12	12	12.5	12.5	13	14
Impact rate	bpm	1,500	1,310	1,420	1,550	1,450	1,137	870
Tool diameter	mm	55	65	72	76	84	94	106
Rate variety		1	1	1	1	1	1	1
Greasing system		Manual	Manual	Manual	Manual	Manual	Manual	Automatic
Carrier size	t	1.5 ~ 3.7	2.2 ~ 5.3	3 ~ 7.5	4 ~ 10	4 ~ 12	7 ~ 12	8 ~ 18
Komatsu carriers		PC26MR-3	PC26MR-3 PC35MR-5 PC45MR-5M0 SK820-5E0	PC35MR-5 PC45MR-5M0 SK820-5E0	PC45MR-5M0 PC88MR-8 WB97R-5E0 WB93R-5E0	WB93R-5E0 WB97R-5E0	PC88MR-8	PC130-8

Model	Unit	JMHB170H-1**	JMHB220H-1**	JMHB360H-1**	JMHB460H-1**	JMHB660H-1**
Operating weight	kg	1,190	1,884	2,571	3,281	4,848
Oil flow (min-max)	L/min	100 ~ 150	140 ~ 220	175 ~ 250	250 ~ 320	280 ~ 380
Operating pressure	MPa	12.5	16.5	15.5	17.5	18.5
Impact rate	bpm	800	310 / 800	350 / 800	550 / 850	300 / 610
Tool diameter	mm	118	140	160	175	190
Rate variety		1	2	2	2	2
Greasing system		Automatic	Automatic	Automatic	Automatic	Automatic
Carrier size	t	15 ~ 25	20 ~ 35	27 ~ 40	35 ~ 60	45 ~ 80
Komatsu carriers		PC210LC-10M0 PC220LC-8M0	PC200-10M0 CE PC210LC-10M0 PC200LC-8M0 PC300LC-8	PC300LC-8 PC350LC-8M0 PC390LC-8M0	PC500LC-10M0 PC390LC-8M0	PC600LC-8E0

* Include a breaker tool, tools and a one-year warranty.

** Include a breaker tool, a toolbox and a one-year warranty. When serviced by an Authorized Distributor, an extra year is added to the warranty.

*JMHB100H-1: Include a breaker tool and a one-year warranty. Not included tools and toolbox.

*JMHB130H-1: Include a breaker tool and a one-year warranty. Not included tools and toolbox.

*JMHB170H-1: Include a breaker tool and a one-year warranty. Not included tools and toolbox.

V-series hydraulic breakers

Model	Unit	JMHB230V-1	JMHB370V-1	JMHB470V-1	JMHB670V-1	JMHB1270V-1
Operating weight	kg	1,450	2,547	3,430	5,589	7,754
Oil flow (min-max)	L/min	120 ~ 170	180 ~ 265	240 ~ 320	380 ~ 420	400 ~ 550
Operating pressure	MPa	12.5	16.5	16.5	16.5	18
Impact rate	bpm	400 ~ 1,050	510 ~ 1,160	440 ~ 1,045	380 ~ 950	290 ~ 590
Tool diameter	mm	122	150	170	202	215
Rate variety		15	15	15	15	15
Greasing system		Automatic	Automatic	Automatic	Automatic	Automatic
Carrier size	t	18 ~ 30	27 ~ 40	35 ~ 50	45 ~ 90	75 ~ 120
Komatsu carriers		PC200-10M0 CE PC210LC-10M0 PC220LC-8M0	PC300LC-8 PC350LC-8M0 PC390LC-8M0	PC450LC-8M0 PC500LC-10M0 PC390LC-8M0	PC600LC-8E0 PC800-8E0	PC800-8E0 PC1250-8R

All V-Series breakers include a breaker tool, a toolbox, and a one-year warranty. When serviced by an Authorized Distributor, an additional extra year is added to the warranty.

*JMHB230V-1: Include a breaker tool and a one-year warranty. When serviced by an Authorized Distributor, an additional extra year is added to the warranty. Not included tools and toolbox.

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