

HYDRAULIC ROCKBREAKERS

CB18S to CB570S

From 0.8 to 60 ton carriers

CASE
CONSTRUCTION



HYDRAULIC ROCKBREAKERS

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SINCE 1842

Attachments.
BUSINESS SOLUTIONS

CASE
CONSTRUCTION

SILENT HAMMERS

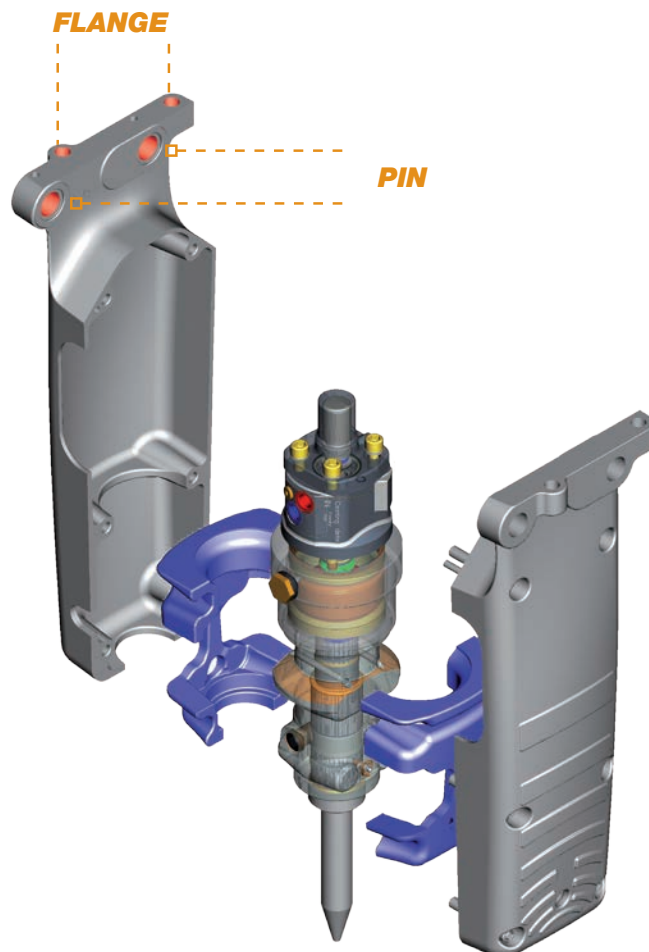
CB18S - CB27S - CB37S

THE FULLY SILENT SOLUTION

**for Mini Excavators, Skid Steer Loaders,
and other compact carriers from 0.8 to 4 ton**



- **Versatile / 2 in 1 (flange and pin mount)**
 - Vertically drilled holes to fit adapter plate on top of the hammer
 - Horizontally drilled holes to fit bucket pins
- **Wide range of oil flows to match all machines**
- **Slim design to operate in narrow and confined spaces with total body protection**
- **High blow frequency for more performance**
- **Simple design with 30% fewer parts for low maintenance and operating costs**
 - No tie rod
 - Integrated accumulator with no periodical gas recharging



> SLIM DESIGN <

SILENT HAMMERS

CB80S - CB90S - CB135S - CB150S

STATE OF THE ART BREAKERS

**Ideal solution to any breaking application
for carrier between 3.4 to 15 tons**



CB80S - CB90S - CB135S

- Complete new hammer design with outstanding performances, carrier compatibility and installation flexibility
- Box type housing for total body protection and robust structure
- Noise and vibration dampening as standard for improved Operator's comfort.
- Fewer parts for low maintenance and reduced operating costs
- Swivel couplings to ensure long service life for hoses
- Simple and reliable tool retaining pin locking system allows easy and fast tool replacement
- Large tool diameter for optimum transfer of the high blow frequency

CB150S

- Accept a wide range of oil flows for maximum blow frequency and tolerant to high back pressures
- Can be mounted on a wide range of carrier from 9 to 15 tons
- Robust design with tie rods and dual mechanisms providing long service life
- Efficiently transfers blow energy into the material and reduces recoil
- High pressure accumulator which absorbs pressure peaks protecting excavator hydraulic system
- Simple lower bushing removal and replacement with low maintenance design.

SILENT HAMMERS

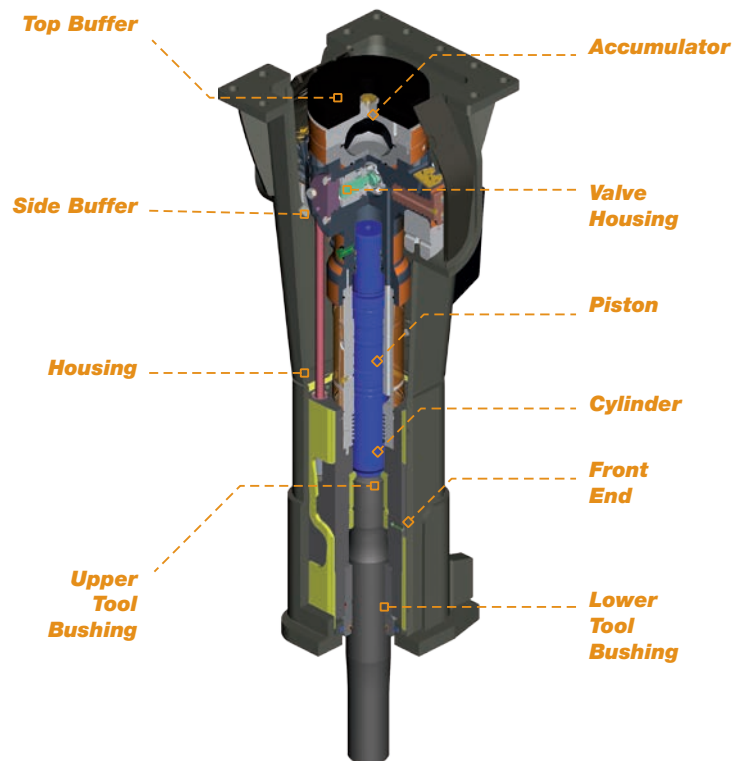
CB240S - CB290S - CB370S - CB470S - CB570S

YOUR RELIABLE LONG LIFE SOLUTION

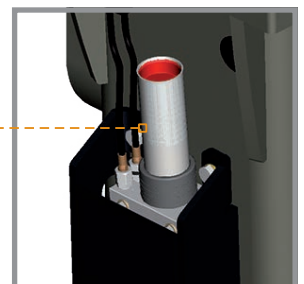
**to any breaking application for carrier
between 12 to 60 tons**



- **Maximum productivity due to a unique design of power transfer from hammer to objective.**
- **Large diameter tool size for improved hammer productivity and service life of the tool.**
- **Integrated accumulator with NO periodical gas recharging.**
- **Unique concept of Vibration Dampened Tie rods for more protection.**
- **Integrated control valves to efficiently maintain the blow energy in providing optimal performances – includes safety valves for protection against damaging hydraulic surge.**
- **Soft blow sensor to provide additional protection on hammer structure and carrier – Adjust power and frequency of the hammer when working in softer rock (CB240S - CB290S - CB370S).**
- **Idle blow prevention to avoid misuse (CB470S - CB570S).**
- **Long and short stroke selection (CB470S - CB570S).**
- **Integrated Automatic greasing device as standard for accurate greasing and low operating costs.**
- **Simple bushing service with slip fit design for easy removal and replacement.**



Integrated Automatic Greasing device



SILENT HAMMERS MACHINE APPLICATION



	CB18S	CB27S	CB37S	CB80S	CB90S
CX15B – CX17B – CX18B	X				
CX26B – CX30B		X			
CX35B – CX39B			X		
CX45B				X	
CX50B – CX55B				X	X



	CB37S	CB80S	CB90S	CB135S
SR130 - SR160	X			
SR175 - SV185		X		
SR210		X		
SR240 - SR250		X	X	X
SV280 - SV300				
TR270 - TR310		X		
TR320 - TV380		X	X	X



	CB80S	CB90S
580ST – 590ST – 695ST	X	X



		CB90S	CB135S	CB150S	CB240S	CB290S	CB370S	CB470S	CB570S
CX75C SR	mono	X							
	offset	X *							
CX80C		X							
CX130D	LC		X	X **					
CX145C SR	mono		X	X **					
CX160D	LC			X *	X **				
CX180D	LC			X *	X *				
CX210D	LC				X	X *			
	NLC				X *				
CX230D					X *	X **			
CX235C SR					X	X *			
CX250D	LC				X	X *	X *		
CX250D	NLC				X	X *			
CX300D	LC					X	X *		
	NLC					X *	X *		
CX350D	LC						X *	X **	
	NLC						X *		
CX370D	LC						X	X	
	NLC						X	X **	
CX490D	LC								X **
	RTC								X

* for STD or SHORT arm

** for SHORT arm only



	CB150S	CB240S	CB290S
WX148 – WX168	X		
WX188		X	
WX218		X	X

SILENT HAMMERS

SPECIFICATIONS

										
CB18S	73325011	Flange and Pin Mount	90/74	0.8 - 1.8	15 - 33	100-120	220	1300-2500	119	/
CB27S	87564792	Flange and Pin Mount	135/112	1.3 - 2.7	20 - 48	120-140	220	1600-2600	123	/
CB37S	73317056	Flange and Pin Mount	180/156	2.0 - 3.7	30-63	120-140	220	1100-2100	124	/
CB37S *	73317055									
CB80S	84518568									
CB80S **	47534146	Flange Mount	275/228	3.4 - 8.0	35-90	90-140	220	600-1800	122	/
CB90S	84167459	Flange and Pin Mount	385/315	4.6 - 9.0	40-120	80-130	220	500-1700	127	/
CB90S *	84519593									
CB90S **1	47889155									
CB90S **2	84167460									
CB135S	73327886	Flange Mount	505/415	7.0 - 13.5	50-150	100-140	220	500-1700	127	/
CB150S	82848126	Flange Mount	820/720	9.0 - 15	60-120	125-150	220	500-1000	126	/
CB240S	73328205	Flange Mount	1090/870	12 - 20	100-140	135-145	220	500-940	124	YES
CB290S	73327888	Flange Mount	1400/1180	18 - 26	120-180	140-160	230	430-790	125	YES
CB370S	73327889	Flange Mount	1760/1460	21 - 32	140-200	135-145	220	450-750	124	YES
CB470S	73328433	Flange Mount	2400/2020	27 - 40	160-250	150-160	240	370-740	128	YES
CB570S	73329032	Flange Mount	3380/2800	36 - 60	250-350	150-160	230	400-700	130	YES

* Special kit for Skid Steer Loaders

** Complete kit assembly for Backhoe loaders - «Plug and Play»

(1) 570T – 580T/ST “In-line cylinder”

(2) 580T/ST – 590ST – 695ST



HAMMER OPERATING WEIGHT (kg)

- Includes average mounting bracket and standard tool
- HAMMER WEIGHT (kg)



CARRIER WEIGHT (t)



OIL FLOW RANGE (l/min)



WORKING OIL PRESSURE (bar)

Actual pressure depends on oil flow, oil viscosity, temperature, material to be broken and back pressure



MAX : Maximum oil pressure (bar)



IMPACT FREQUENCY (bpm)

Actual impact frequency depends on oil flow, oil temperature, material to be broken and back pressure

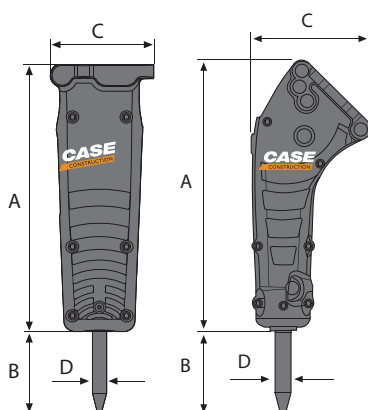


GUARANTEED SOUND POWER LEVEL

CE 2000/14/EC (dB) Measured value +4 dB



INTEGRATED AUTOMATIC GREASING DEVICE



	A	B	C	D	Total Height (mm)
CB18S	677	207	262	36	884
CB27S	767	227	300	42	994
CB37S	869	260	360	50	1129
CB80S	911	350	417	72	1261
CB90S	1292	400	453/568	80	1692
CB135S	1217	452	526	90	1669
CB150S	1390	463	520	95	1853
CB240S	1587	360	570	115	1947
CB290S	1810	388	570	125	2198
CB370S	1862	437	570	135	2299
CB470S	2118	463	620	142	2581

SILENT HAMMERS

TOOLS



	CHISEL	MOIL POINT	PARALLEL ASPHALT SPADE	TRANSVERSE ASPHALT SPADE	COMPACTION PLATE	PYRAMID POINT	BLUNT TOOL	LIMESTONE CHISEL	HARD ROCK CHISEL
CB18S	87607239	87607240	73317057	73317058					
Total length - mm	360	360	380	380					
Working length - mm	220	220	230	230					
Weight - kg	2.7	2.6	3.5	3.5					
Width tool - mm			100	100					
CB27S	87607241	87607242	73317059	73317060					
Total length - mm	405	405	420	420					
Working length - mm	230	230	250	250					
Weight - kg	4.1	3.9	4.5	4.5					
Width tool - mm			100	100					
CB37S	73317061	73317062	73317063	73317064	73317065				
Total length - mm	490	490	490	490	437				
Working length - mm	260	260	260	260	210				
Weight - kg	7.1	6.8	6.8	6.8	11.7				
Width tool - mm			115	115	180				
CB80S	84519330	84519331	84519332	84519333	84519335				
Total length - mm	650	650	650	650	510				
Working length - mm	350	350	350	350	210				
Weight - kg	19.1	19.2	17.9	17.9	51.4				
Width tool - mm			150	150	330				
CB90S	84167469	84167464	73325221	73325222	73325223				
Total length - mm	740	740	740	740	700				
Working length - mm	400	400	400	400	360				
Weight - kg	27	27	27	27	68				
Width tool - mm			180	180	330				
CB135S	73327598	73327599	73327600	73327601	73327602				
Total length - mm	830	830	840	840	800				
Working length - mm	450	450	460	460	420				
Weight - kg	38.5	38.4	37.7	37.7	76.6				
Width tool - mm			210	210	330				
CB150S	87779484	87779486	87779488	87779489	87779490				
Total length - mm	900	900	900	900	800				
Working length - mm	460	460							
Weight - kg	46	43	87	87	95				
Width tool - mm			200	200	350				
CB240S	73327823	73327824				73327825	73327826		
Total length - mm	1000	1000				1000	800		
Working length - mm	560	560				575	360		
Weight - kg	67	67				66	58		
CB290S	73327827	73327828				73327829	73327830		
Total length - mm	1050	1050				1050	850		
Working length - mm	575	575				575	375		
Weight - kg	89	89				89	77		
CB370S	73327642	73327644				73327820	73327645	73327818	73327819
Total length - mm	1120	1120				1120	920	1120	1120
Working length - mm	636	636				636	436	636	636
Weight - kg	112	108				108	100	115	106
CB470S	73328484	73328485				73328489	73328486	73328488	73328487
Total length - mm	1200	1200				1200	1050	1200	1200
Working length - mm	610	610				610	460	610	610
Weight - kg	132	128				132	124	140	132
CB570S	73329054	73329055					73329056	73329059	73329058
Total length - mm	1400	1400					1265	1400	1400
Working length - mm	755	705					570	705	705
Weight - kg	218	212					208	223	207

THE RIGHT TOOLS FOR THE RIGHT APPLICATION

	CB18S	CB27S	CB37S	CB80S	CB90S	CB135S	CB150S	CB240S	CB290S	CB370S	CB470S	CB570S
Concrete removal	X	X	X	X	X	X	X	X	X	X	X	X
Asphalt removal	X	X	X	X	X	X	X	X	X	-	-	-
Scaling	X	X	X	X	X	X	X	-	-	-	-	-
Frozen or hard ground	X	X	X	X	X	X	X	X	X	X	X	-
Compaction	-	-	X	X	X	X	X	-	-	-	-	-
Post sheet driving	X	X	X	X	X	X	X	X	X	X		
Boulder breaking	-	-	-	-	-	-	X*	X	X	X	X	X
Bed rock trenching	-	-	-	-	-	-	X*	X*	X*	X	X	X
Primary excavating	-	-	-	-	-	-	-	X*	X*	X*	X	X

X : Correct application - Maximum productivity with optimum component life for both breaker and carrier
 - : Not suitable application
 X* : Limited application - In soft material only (e.g gypsum, talc, shale, decomposed limestone, ...)

STANDARD CHISEL TOOL



- For nonabrasive but tough rock or concrete
- For material which has low or medium penetration rate

MOIL POINT TOOL



- Where chisels have excessive retaining pin groove wear
- Soft and nonabrasive rock
- General demolition of concrete

ASPHALT CUTTING TOOL



- Frozen or compact ground
- Asphalt

COMPACTING TOOL



- Ground compacting

PYRAMID POINT TOOL



- Soft, nonabrasive and tough rock and especially concrete
- Materials requiring high penetration rate
- Where chisels have excessive retaining pin groove wear

BLUNT TOOL



- Hard rock with low or medium abrasive content
- Boulder breaking or concrete demolition
- Application where tool wear rate is low

LIMESTONE/CONCRETE CHISEL



- Very soft and easily breaking, nonabrasive rock or concrete
- For rock which has high penetration rate

HARD ROCK CHISEL



- Hard an abrasive rock with fractures
- For application where drilling and blasting cannot be used
- Materials with low penetration rate

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NOTE: Standard and optional fittings can vary according to the demands and specific regulations of each country. The illustrations may include optional rather than standard fittings - consult your Case dealer. Furthermore, CNH Industrial reserves the right to modify machine specifications without incurring any obligation relating to such changes.

Conforms to directive 2006/42/EC.