



EXCAVATOR MODELS - SIDE MOUNT

Applicable for the full range of excavators. Easy maintenance. Has lower installation point so breaker can lift higher. Primarily for post and pile driver applications and other specialized uses.

Description	Unit	CBR225	CBR500	CBR650	CBR850	CBR1000
Energy Class	ft lbs	225	500	650	850	1,000
Operating Weight	Kg	122	190	280	350	510
	lb	269	419	618	772	1,124
Hose Length	In	.5" x 90"	.5" x 100"	.5" x 100"	.75" x 100"	.75" x 100"
Operating Pressure	Kg/cm ²	90~120	90~120	110~165	120~165	140~170
	Psi	1,280~1,707	1,280~1,707	1,565~2,347	1,707~2,347	1,991~2,418
Tool Diameter	mm	45	57	70	75	80
	Inch	1.77	2.24	2.75	2.95	3.14
2 nd Relief Setting Pressure	Kg/cm ²	175	175	175	175	175
	Psi	2,489	2,500	2,500	2,500	2,500
Oil Flow	LPM	15~30	20~70	30~65	38~80	38~90
	GPM	3.96~7.92	5.2~10.5	7.9~17.1	10~21.1	10~23.7
Blow Rate	Bpm Long/s	540~1,000	600~1,490	550~1,300	380~1,100	380~1,000
	Bpm Short/s					490~1,100
Accumulator Gas Pressure	Kg/cm ²	-	-	40~50	40~50	40~50
	Psi	-	-	570~710	570~710	570~710
Suitable Carrier	ton	0.8~2.5	1.5~4.0	3.0~6.0	4.5~8.0	4.5~8.8



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HYDRAULIC BREAKERS

Warning: Chisel paste must be used with hydraulic breakers, using high temperature grease as substitution for chisel paste will cause damage to components of breaker. Weights may differ based on selected mount styles. Prices and specifications subject to change without notice.

Floating Power Cell and Bolt Free Enclosed Housing

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

Advanced Internal Valve System

- Built-in cylinder
- Energy efficiency
- Oil leakage free
- Thicker flesh cylinder block
- Lower maintenance and repair requirements

Work Mode Selector

- Optimizes power and speed for application requirements
- Enables maximum productivity in all applications from light to heavy-duty material breaking
- Available for CBR1000 and above

Large Capacity Accumulator And Diaphragm

- Proactively prevents carrier hydraulic part fatigue failure
- Accelerates striking performance
- Prevents cavitation
- Increases seal and diaphragm service life
- Available for CBR650 and above (excluding skid steer loader breaker)

Tool Pin Hole Protector

- Minimizes direct contact between holes and material to breaker
- Protects tool pin hole damage from debris
- Extends tool pin and working tool wear life
- Prevents hole cover missing and debris/dust entry

Easy Start

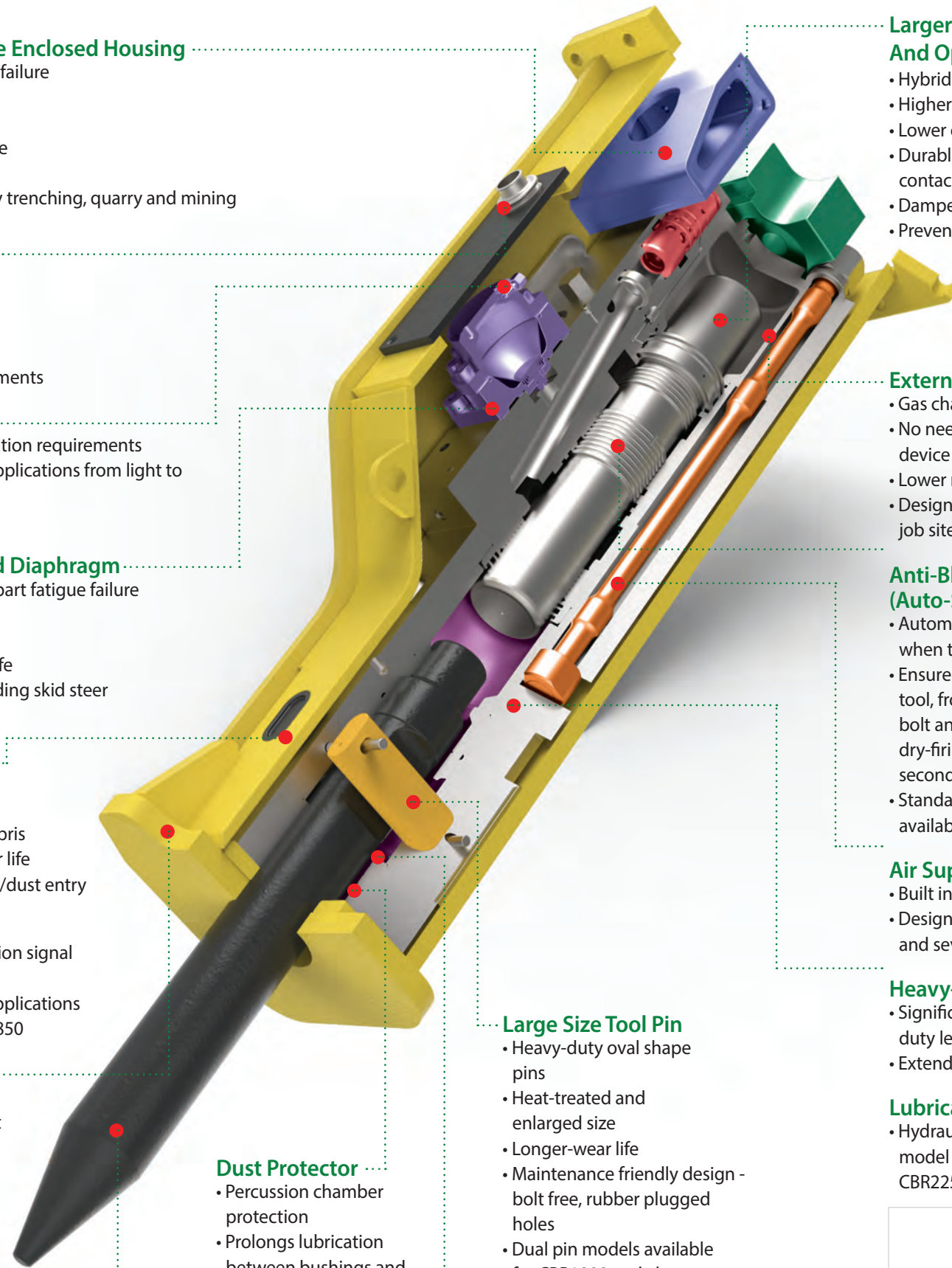
- Faster response time to breaker activation signal
- Significantly increases productivity
- Suitable for skid steer loader breaker applications
- Available for CBR500, CBR650 and CBR850

Bottom Plate

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

Working Tool

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



Larger Capacity Gas Chamber And Optimum Piston Size

- Hybrid energy-efficient design
- Higher impact power delivery
- Lower oil flow consumption
- Durable piston design - larger surface contacting working tool
- Dampens repercussion vibration force
- Prevents carrier structure fatigue failure

External Gas Charging

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

Anti-Blank Firing System (Auto-Stop)

- Automatically cuts off hydraulic power when the material is fully broken
- Ensures service life of tool pin, working tool, front head, piston, through bolt and diaphragm even with frequent dry-firing applications such as rental, secondary rock breaking and scaling
- Standard for CBR2200 and above and available for CBR850

Air Supply Channel

- Built in air supply channel
- Designed for underwater, tunneling and severe dust applications

Heavy-Duty Front Head Block

- Significantly enhanced front head duty level
- Extended front head service life

Lubrication

- Hydraulic auto-lube system standard on model CBR1000 and up and optional for CBR225 - CBR850



Dust Protector

- Percussion chamber protection
- Prolongs lubrication between bushings and working tool
- Prevents contamination
- Increases life of seal, bushings, working tool, piston and cylinder in severe dust applications

Large Size Tool Pin

- Heavy-duty oval shape pins
- Heat-treated and enlarged size
- Longer-wear life
- Maintenance friendly design - bolt free, rubber plugged holes
- Dual pin models available for CBR1000 and above

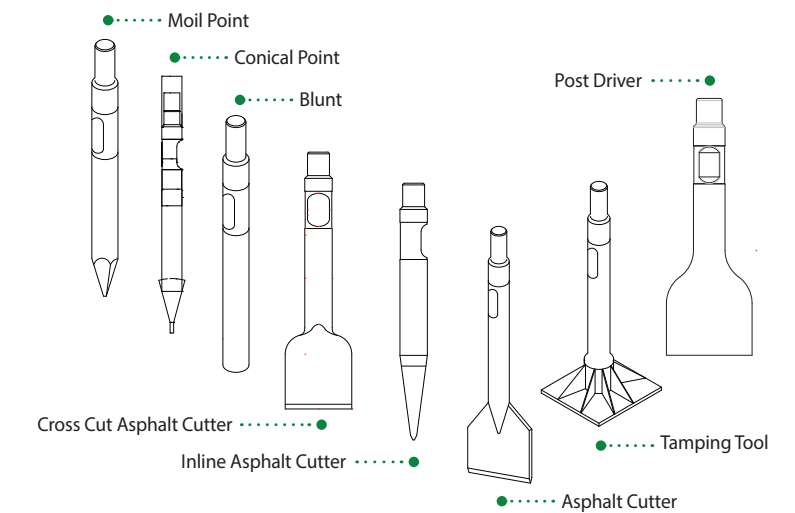
Bushings

- Differentiated anti-wear raw material
- Higher core hardness
- Extended wear life

Ultimate Performance

- Higher impact power
- Higher productivity
- Market-proven quality, durability and lifespan
- Easy maintenance and repair
- Low-fatigue stress on carrier machines
- Reasonable cost
- Lower operating cost
- Higher return on investment

Working Tools



Special Working Tool	Application			
	Asphalt Removal	Compacting	Post Driving	Severe Duty (Rock Removal)
Asphalt Cutter	✓			
Tamping Pad		✓		
Post Driver			✓	

Conventional Working Tool	Application				
	Primary Breaking	Secondary Breaking	Hard Rock Removal	Soft Material and Rock Material	Demolition
Cross Cut Asphalt Cutter	✓		✓	✓	✓
Inline Asphalt Cutter	✓		✓	✓	✓
Moil Point	✓		✓	✓	✓
Conical Point	✓		✓	✓	✓
Blunt Point		✓	✓		✓

✓ Highly-Recommended



Only breaker on the market offering auto-lube as standard on models CBR1000 and above

28

28 breaker models that cover the entire CE industry carrier range from 0.5 to 140 ton



Five models exclusively designed for skid steer loaders



Suitable for light-to-medium to hard-and-severe duty rock breaking applications

2

Two-year full warranty (wear parts excluded)



Mounting brackets included on most models (Skid Steer, Excavator Quick-Attach, and Excavator Pin-on)



Complete replacement parts inventory

Features & Advantages

Durability

- Longer chisel point and larger through bolt to improve durability
- Minimized welding on bracket fabrication process to strengthen durability

Performance

- Applied two-step stroke and idle blow preventing structure system
- Stronger impact power
- Low-noise

Enhancements

- Prevention of chisel stop pin loosening
- No oil loss when changing the control valve
- Lower vibration and tighter fastening between power cell and bracket
- Models CBR1000 and above include auto-greasing system

Convenience of use

- Operator friendly design
- Simple assembly and disassembly
- Control valve can be replaced on-site with ease and speed
- Easy-maintenance (time and cost saving)
- Longer lifetime of parts

All Models Include



2 Working Tools



Adequate Length Hydraulic Hoses and Fittings



Hose Set and Gas Charging Kit



Repair Toolbox



Owner's Manual



Parts Breakdown



SKID STEER LOADER MODELS

CBR225, CBR500, CBR650, CBR850, CBR1000

Also for walk behind mini loaders, compact track loaders and compact wheel loaders.

Description	Unit	CBR225	CBR500	CBR650	CBR850	CBR1000
Energy Class	ft lbs	225	500	650	850	1,000
Operating Weight	Kg (Lbs)	185 (408)	280 (618)	325 (716)	485 (1,069)	535 (1,179)
Hose Length	In	.5" x 90"	.5" x 100"	.5" x 110"	.75" x 100"	.75" x 110"
Blow Rate (Long stroke)	Bpm	540~1,000	600~1,490	550~1,300	380~1,100	380~1,000
Required Oil Flow	Lpm (Gpm)	15~30 (3.97~7.92)	20~70 (5.2~10.5)	30~65 (7.9~17.1)	38~110 (10.03~29.05)	45~140 (11.88~36.98)
Operating Pressure	Kg/cm ² (Psi)	90~120 (1,280~1,707)	90~120 (1,280~1,707)	110~165 (1,565~2,347)	120~190 (1,707~2,702)	140~190 (1,991~2,702)
Tool Diameter	mm (Inch)	45 (1.77)	57 (2.24)	70 (2.75)	75 (2.95)	80 (3.15)
Suitable Carrier	Ton (Lbs)	0.8~2.5 (1,600~5,000)	3.0~6.0 (6,614~14,330)	3.0~6.0 (6,614~14,330)	4.5~8.0 (9,921~17,637)	4.5~8.0 (9,921~17,637)

Warning: Chisel paste must be used with hydraulic breakers, using high temperature grease as substitution for chisel paste will cause damage to components of breaker. Weights may differ based on selected mount styles. Prices and specifications subject to change without notice.



EXCAVATOR MODELS BOX TOP WHISPER SERIES

Designed for noise-reduction and prevention of internal vibration. Works on material surface with vertical impact advantage for breaking stone and other materials. Has wider working space and optimal view compared to side mounted

Description	Unit	CBR225	CBR500	CBR650	CBR850	CBR1000	CBR1200	CBR1800	CBR2200	CBR2800	CBR3200
Energy Class	ft lbs	225	500	650	850	1,000	1,200	1,800	2,200	2,800	3,200
Operating Weight	Kg	122	190	280	350	510	565	850	920	1,170	1,460
	lb	269	419	618	772	1,124	1,245	1,873	2,029	2,580	3,218
Hose Length	In	.5" x 90"	.5" x 100"	.5" x 100"	.75" x 100"	.75" x 100"	.75" x 100"	.75" x 100"	.75" x 100"	.75" x 100"	1" x 90.5"
Operating Pressure	Kg/cm ²	90~120	90~120	110~165	120~165	140~170	140~170	140~180	140~180	160~190	160~190
	Psi	1,280~1,707	1,280~1,707	1,565~2,347	1,707~2,347	1,991~2,418	1,991~2,418	1,991~2,560	1,991~2,560	2,276~2,702	2,276~2,702
Tool Diamater	mm	45	57	70	75	80	90	95	105	115	125
	Inch	1.77	2.24	2.75	2.95	3.14	3.54	3.74	4.13	4.52	4.92
2 nd Relief Setting Pressure	Kg/cm ²	175	175	175	175	175	175	210	210	210	210
	Psi	2,489	2,500	2,500	2,500	2,500	2,500	3,000	3,000	3,000	3,000
Oil Flow	LPM	15~30	20~70	30~65	38~80	38~90	42~95	65~115	70~125	90~130	100~135
	GPM	3.96~7.92	5.2~10.5	7.9~17.1	10~21.1	10~23.7	11~25	17~30	18.4~33	23.7~34.3	26.4~35.6
Blow Rate	Bpm Long/s	540~1,000	600~1,490	550~1,300	380~1,100	380~1,000	370~900	360~650	350~600	320~550	320~480
	Bpm Short/s					490~1,100	480~1,000	600~950	600~900	400~700	400~650
Accumulator Gas Pressure	Kg/cm ²	-	-	40~50	40~50	40~50	40~50	55~60	55~60	55~60	55~60
	Psi	-	-	570~710	570~710	570~710	570~710	780~850	780~850	780~850	780~850
Suitable Carrier	ton	0.8~2.5	1.5~4.0	3.0~6.0	4.5~8.0	4.5~8.8	6.0~10	8.0~12.5	10~15	12~18	16~22

▲..... COMPACT EXCAVATORS▲

▲..... BACKHOES▲

Description	Unit	CBR4000	CBR4500	CBR5000	CBR6000	CBR8000	CBR11000	CBR16000	CBR18000
Energy Class	ft lbs	4,000	4,500	5,000	6,000	8,000	11,000	16,000	18,000
Operating Weight	Kg	1,600	1,820	2,050	2,500	2,800	3,400	3,900	7,100
	lb	3,528	4,013	4,519	5,511	6,172	7,495	8,599	15,653
Hose Length	In	1" x 90.5"	1" x 90.5"	1.25" x 110"	1.25" x 110"	1.25" x 110"	1.625" x 112"	1.625" x 112"	1.625" x 112"
Operating Pressure	Kg/cm ²	160~190	160~190	160~190	160~190	160~190	160~190	160~190	170~210
	Psi	2,276~2,702	2,276~2,702	2,276~2,702	2,276~2,702	2,276~2,702	2,276~2,702	2,276~2,702	2,418~2,987
Tool Diamater	mm	135	135	145	150	155	165	175	205
	Inch	5.31	5.31	5.70	5.90	6.10	6.49	6.88	8.07
2 nd Relief Setting Pressure	Kg/cm ²	210	210	210	210	230	230	230	250
	Psi	3,000	3,000	3,000	3,000	3,300	3,000	3,300	3,556
Oil Flow	LPM	120~155	120~165	145~210	175~245	190~250	230~280	240~320	350~420
	GPM	31.6~40.9	31.6~43.5	38.3~55.4	46.2~64.6	50.1~66	60.7~73.9	63.4~84.5	92.4~111
Blow Rate	Bpm Long/s	320~480	340~450	250~380	230~400	230~345	270~400	230~330	280~350
	Bpm Short/s	400~600	420~550	300~450	270~470	270~410	330~500	270~500	320~500
Accumulator Gas Pressure	Kg/cm ²	55~60	55~60	55~60	55~60	55~60	55~60	55~60	55~60
	Psi	780~850	780~850	780~850	780~850	780~850	780~850	780~850	780~850
Suitable Carrier	ton	18~24	20~26	22~30	24~36	28~42	34~50	40~60	60~100

▲..... MID AND LARGE EXCAVATORS▲

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