

**EVERDIGM** Attachment

**Breaker**



**Tools that make people move**

Hydraulic Breaker Series  
Turning your job into more value!

## Leading Global Business Partner – EVERDIGM

With the goal to be a total solution provider for tool carriers, EVERDIGM attachments have grown into most reliable attachment manufacturer in Korea and worldwide distribution partners in 70 countries. Meanwhile, company has continuously verified the excellent quality by achieving ISO9001, ISO14001, CE and AEM tool energy rating which realized by high qualified R&D team, efficiency-integrated manufacturing system and goal oriented professional people. With full ranged product line of hydraulic breaker, multiprocessor, pulverizer, compactor, multipurpose grab, quick clamp and other attachments, EVERDIGM attachments fulfill the maximum productivity and durability to construction and demolition job site.

### ● Consider AEM's tool energy rating



### Why develop the tool energy rating?

Assessing and comparing hydraulic breakers have never been easier or more accurate than the Tool Energy developed by the Mounted Breaker Manufacture Bureau (MBMB) of the AEM. The AEM is the U.S. based international trade group serving the business needs of construction equipment manufacturers and construction services providers. The AEM Tool Energy Rating is accepted by hydraulic breaker manufacturers from Finland, France, Germany, Italy, Japan, Korea, Sweden and the United States. EVERDIGM Corp. has been accredited to self-certify tool energy ratings obtained through test process complying with "AEM Measuring Guide."

### ● Breaker TEST BENCH

AEM Tool Energy Rating test bench simulate actual working condition under controlled situations. Each breaker is tested 25 times while AEM certified observer is monitoring test procedure. Then the each impact energy measured by strain gauges on tool bit is recorded on computer. To be compared with other AEM-MBMB certified breakers all variables like flow, pressure and etc, which affect actual impact energy throughout the tests, are averaged to one specific value. By having this test bench, all breakers manufactured complying with AEM-Tool Energy rating give customers more practical and accurate standard to select breaker. Only breakers that have been tested and certified under AEM regulation can display AEM-MBMB decal.



Test unit installed on impact base connected with strain gauge in tool bit and flow and pressure gauge on hoses port of cylinder



Static calibration test stand for correct measurement



Control console with monitoring panel Power pack to replicate actual situation

## ● Features and benefits

### Proven Working Principle (oil and gas assist)

- Pressurized nitrogen gas is the main power source, to operate with less demand on the carrier's hydraulic system.

### Fewer Components

- Around one-third as its competitor, around 30 to 90 items depending on model
- Easy maintenance
- Dealers need fewer spare parts in inventory
- Easy to rebuild

### Dual speed Control

- Control blow frequency adjusting to hardness of rock

### Anti-blank blow

- Significantly reduces blank blow induced failures

### Underwater application

- Allowing hammer submerged in water

### Centralized Lubricating system

- Enable to utilize centralized auto grease system

### Option

- Auto dispense of lubricating paste, each time hammer is operating
- High temperature & high grade chisel

### Swivel Joint

- Reduces vibration induced hose failure.

### Rugged Construction

- Jigsaw shaped main bracket design achieves better resilience from external force. This ensure sound and long lasting body structure.

### Increased life time of dampers and wear plates.

- New type of composite 2 layered damper and wear plate have longer lifetime than conventional one material one. This gives longer maintenance interval.

### Tool Wiper System( Option)

- Optional bush integrated with tool wiper guarantee better tool greasing and minimization of dust entrance to striking chamber.

## ● Advanced Technology

### Through bolt

- Reduces internal torsion stress to increase fastener life

### Full box enclosure

- No rigid side bolts
- Low maintenance cost
- Extremely durable welded structure
- Reduces noise
- Hammer is completely protected and quieter
- Perfect sealed enclosure by dust Protector & seal plugs (premium series only)

### Wide and light-weight cover

- Noise insulation
- Dust protection, Easy maintenance

### Excellent tool wiper mechanism

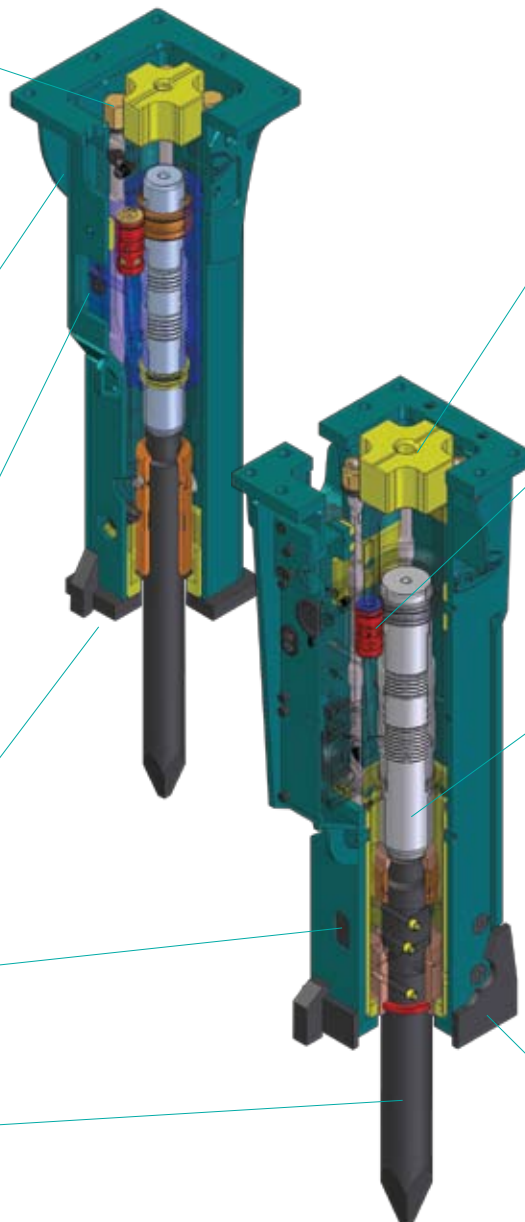
- Impact noise insulation
- Dust protection (premium series only)

### Easy maintenance

- Fewer components
- Wide and appropriate openings

### High quality working tool

- Optimized by high grade steel and heat treatment



### Perfect cushion damper

- Optimal damping system made of high quality elastomer
- Minimizing recoil shock induced by impact
- Reduces noise and vibration

### Unique valve design

- Lessens pressure fluctuation
- Less damage on carrier's pump

### Long piston stroke

- Maximizes impact energy
- Minimizes recoil
- Eliminates mechanical springs
- Special heat-treated and hardened piston

### High pressure accumulator (EHB17 and larger)

- Eliminates pressure fluctuation
- Increases impact power



### Hardened rock dragger

- Resisting wear and abrasion

# Prime series BA

Prime series are silenced type breakers developed for environment and human health according to international trend of noise restriction. By wearing a hard boots of reinforced rock dragger and bracket, prime series provide much innovative durability with maximum power than ever. The package of benefits of this series are dual speed control system, hard boots(13 and larger), antu blank blow system, auto stop & auto start and single high pressure accumulator(17 and larger)



# Standard series NA

The new design and color of power cell have been adapted for this standard series to improve protection of power cell in non-box enclosure bracket. Round open and long side brackets offer not only access for easy maintenance, but also better protection of power cell.



Tools that make people move



EHB20



EHB25



EHB30



EHB40



EHB50



EHB70

### Skidsteer series

# SL

Skidsteer series are developed for skidsteer loader to meet the market requirement of higher impact energy and optimal performance

### Backhoe series

# NL

Backhoe series breakers are developed for backhoe loader to meet the required design for transportation



EHB04H



EHB05

# Tools that make people move



## Specification

Items	Items	Items	Unit	EHB02	EHB02	EHB03	EHB04	EHB05	EHB06
Working Weight <sup>1)</sup>	Peso De Trabajo	Poids En Ordre De Marche	kg	123	123	149	149	294	424
-Prime(BA)	-Prime(BA)	-Prime(BA)		108	108	145	145	310	436
-Standard(NA)	-Standard(NA)	-Standard(NA)		90	90	120	120		
-Standard(ND/NL)	-Standard(ND/NL)	-Standard(ND/NL)							
Required oil flow	Caudal De Aceite Requerido	Debit D'huile Necessaire	lpm	15~25	20~35	20~35	30~50	35~65	45~90
Operating Pressure	Presion De Trabajo	Pression De Travail	bar	100~130	100~130	100~130	110~140	130~170	130~170
Input Power(max.)	Fuerza input	Puissance entre(max.)	kw	5.4	7.6	7.6	11.7	18.4	25.5
Blow Frequency	Frecuencia De impacto	Nombre De Frappe A La minute	bpm						
-Low speed mode	-Baja velocidad	-Basse vitesse							
-High speed mode	-Alta velocidad	-Haute vitesse		700~1,200	700~1,200	550~1,000	550~1,000	550~1,000	5,00~1,000
Impact Enrgy <sup>2)</sup> (actual)	Energia De impacto	Classe D'energie De Frappe	joule						
Low speed mode	-Baja velocidad	-Basse vitesse							
-High speed mode	-Alta velocidad	-Haute vitesse		180	200	300	450	700	1,000
Tool Shank diameter	Diametro De La Punta	Diametre De L'outil	mm	45	45	50	58	68	80
Applicable Carrier Weight	Excavadora Indicada	Porteur Possible	tonne	0.7~2.5	1.0~3.5	1.5~4.5	2.5~6.0	3.5~8.0	5~11
Standard Feature	Carctersticas Basicas	Equip. Standard							
-Dual speed	-Doble velocidad	-Duas velocidades							
-Auto stop/Auto start	-Paro Automatico/Inicio Automatico	-Autostop/Arranque automatico							
-Anti-Blank Blow	-Sistema Contra Golpes en vacio	-Anti-Batimento em vazio							
-Hard Boots	-Carcaza inferior Reforzada	-Cacos anti-desgaste							
Available Options	Características Opcionales	Opcoes Disponiveis							
-Auto Greasing Kit	-Sistema de Auto Engrase	-Kit Lubrificacao Automatica							

Note : 1) Total Weight including standard tool, standard mounting adapter and spacers but excluding hydraulic hoses, fittings and mounting pins.

2) Measured in accordance with the certified test procedure which complies with the AEM(formerly CIMA) tool energy rating for hydraulic breakers. Materials and specifications are subject to change without prior notice.





※Specifications contained in the catalogue may be changed without prior notice for improvement of quality and performance.

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