HYDRAULIC HAMMERS

THE PRODEM PRB SERIES OF VIBRATION DAMPENED SILENCED HYDRAULIC HAMMERS HAVE BEEN DEVELOPED FOR THE TOUGHEST ENVIRONMENTS.

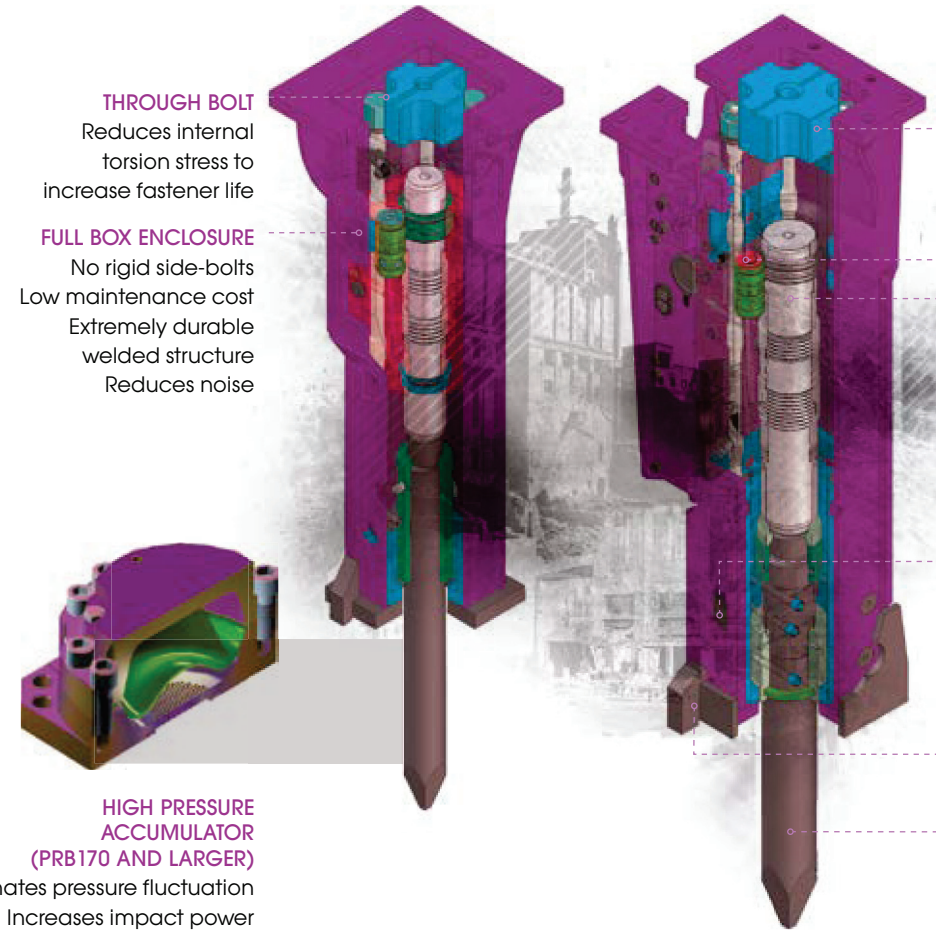
FEWER COMPONENTS
- Around one third of its competitors

ANTI-BLANK FIRING (PRB150 AND LARGER)
- Significantly reduces blank blow induced failures
- Less downtime means more productivity

DUAL-SPEED CONTROL (PRB150 AND LARGER)
- Control blow frequency adjusting to rock density
- Low power/high speed - concrete breaking, soft rock, reducing boulders
- High power/low speed - quarry, trenching

CENTRALISED LUBRICATING SYSTEM
- Single point of entry for quick greasing

OPTIONAL EXTRAS
- Auto greasing kit: Automatic dispensing of lubricating paste



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

HIGH PRESSURE ACCUMULATOR (PRB170 AND LARGER)
Eliminates pressure fluctuation
Increases impact power

PERFECT CUSHION DAMPER
Optimal damping system made of high-quality elastomer
Minimises recoil shock induced by impact
Reduces noise and vibration

UNIQUE VALVE DESIGN
Lessens pressure fluctuation
Less damage on carrier's pump

LONG PISTON STROKE
Minimises recoil
Eliminates mechanical springs
Special heat-treated and hardened piston

EASY MAINTENANCE
Fewer components
Wide and appropriate openings

HARDENED ROCK CLAW
Resisting wear and abrasion

HIGH-QUALITY WORKING TOOL
Optimized by high-grade steel and heat treatment

“THIS MACHINE IS INCREDIBLE! THE PERFORMANCE AND DURABILITY IS SECOND TO NONE MAKING LIGHT WORK OF ANY HEAVY-DUTY METAL STRUCTURE CHEWING IT UP IN SECONDS.”

TOOL ENERGY RATING

WHAT IS THE TOOL ENERGY RATING?

Assessing and comparing hydraulic hammers has never been easier or more accurate than with the Tool Energy Rating developed by the Mounted Breaker Manufacturers 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.

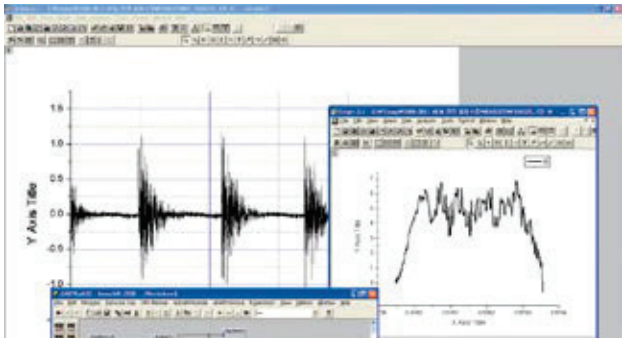
The AEM Tool Energy Rating is accepted by hydraulic breaker manufacturers from Finland, France, Germany, Italy, Japan, Korea, Sweden and the United States. PRODEM has been accredited to self certify tool energy ratings obtained through test processes complying with “AEM Measuring Guide.”

PRODUCT TESTING

HAMMER TEST BENCH

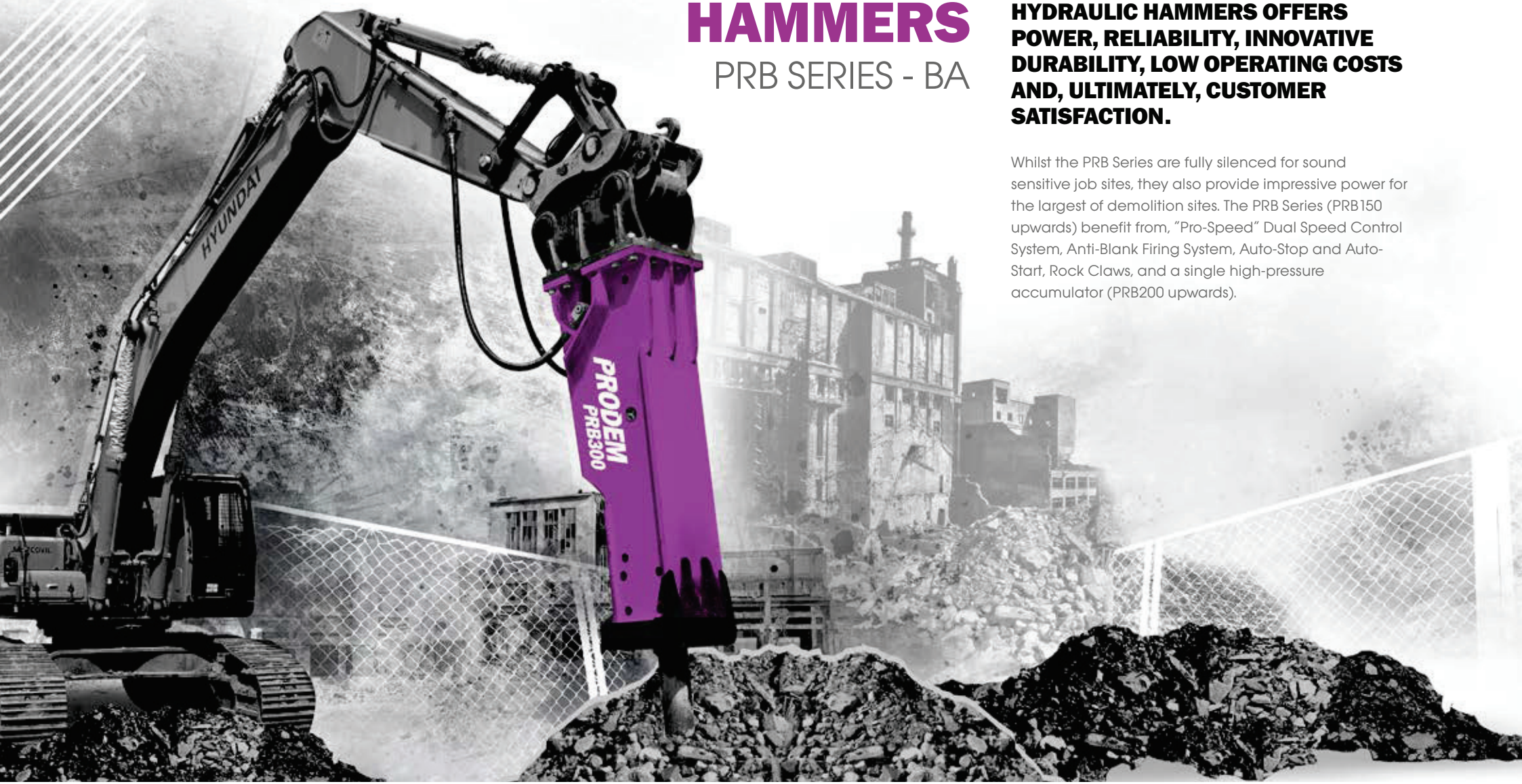
The AEM tool energy rating test bench simulates actual working conditions under controlled environments. Each hammer is tested 25 times observed by the AEM certified tester. Each impact is then measured by strain gauges on the tool bit and recorded and compared with other AEM-MBMB certified breakers.

All variables like flow, pressure, etc which affect impact energy throughout the tests, are averaged to one specific value. By having this test bench, all hammers manufactured complying with AEM-tool energy ratings, give customers a more practical and accurate standard to select a hammer. Only hammers that have been tested and certified under AEM regulation can display AEM-MBMB decal.



HYDRAULIC HAMMERS

PRB SERIES - BA



THE PRODEM PRB SERIES OF VIBRATION DAMPENED SILENCED HYDRAULIC HAMMERS OFFERS POWER, RELIABILITY, INNOVATIVE DURABILITY, LOW OPERATING COSTS AND, ULTIMATELY, CUSTOMER SATISFACTION.

Whilst the PRB Series are fully silenced for sound sensitive job sites, they also provide impressive power for the largest of demolition sites. The PRB Series (PRB150 upwards) benefit from, "Pro-Speed" Dual Speed Control System, Anti-Blank Firing System, Auto-Stop and Auto-Start, Rock Claws, and a single high-pressure accumulator (PRB200 upwards).

TECHNICAL SPECIFICATION

*Pressure relief (min.) bar 40 bar higher than measured maximum operating pressure

Model	Excavator Weight Class (t)	Working Weight (kg)	Required Oil Flow (l/min)	*Operating Pressure (bar)	Max Impact Energy – Low Speed (joule)	Max Impact Energy – High Speed (joule)	Impact Frequency – Low Speed (bpm)	Impact Frequency – High Speed (bpm)	Tool Diameter (mm)	Tool Diameter (inch)
PRB008	0.7-1.5	75	12-22	100-130	N/A	110	N/A	750-1300	42	1.65
PRB010	0.7-3	123	15-25	100-130	N/A	180	N/A	700-1200	45	1.80
PRB030	1.5-4.5	149	20-35	100-130	N/A	300	N/A	550-1000	50	2.0
PRB040	2.5-6	209	30-50	110-140	N/A	450	N/A	550-1000	58	2.3
PRB050	3.5-8	294	35-65	130-170	N/A	700	N/A	550-1000	68	2.7
PRB060	5-11	424	45-90	130-170	N/A	1000	N/A	520-1000	80	3.2
PRB100	7-15	537	60-110	140-180	N/A	1350	N/A	500-1000	93	3.7
PRB150	12-20	974	80-140	140-180	2500	2150	380-700	550-850	105	4.1
PRB170	14-24	1270	110-170	160-180	2800	2200	350-600	550-750	117	4.6
PRB200	16-25	1564	100-150	160-180	3500	2800	340-550	440-700	125	4.9
PRB250	20-30	1662	130-180	160-180	4300	3200	330-500	430-650	135	5.3
PRB300	26-35	2492	170-240	165-185	6100	4200	310-490	400-680	150	5.9
PRB400	32-45	3100	200-280	165-185	7600	6000	330-450	420-600	165	6.5
PRB500	40-70	4200	230-330	165-185	10400	7900	250-370	350-500	180	7.1
PRB700	60-110	6700	320-420	165-185	13000	10000	280-370	370-480	205	8.07
PRB1000	85-140	10070	410-530	165-185	17000	14000	260-340	360-470	245	9.65