



Model 770 Hy-Ram® Hydraulic Impact Hammer

The Model 770 Hy-Ram, which is one of the new generation Hy-Ram's, is Allied's most powerful hydraulic hammer. Designed for larger excavators, this advanced hammer offers superior impact energy and is in an impact energy class of 3000 ft. lbs. per blow. The Model 770 is ideal for contractors whose jobs require breaking of massive concrete structures and surfaces, breaking of extremely hard rock and boulders, secondary and production breaking in mines and quarries, and for controlled demolition of structures.

This hydraulic mounted impact hammer effectively breaks such tough rock as taconite, dense limestone, granite, and industrial materials such as ferrochrome and molybdenum. Being capable of breaking materials with very high compressive strengths, the Model 770 breaks virtually all materials. The Model 770 hammer features variable blow frequency of either 475 or 950 blows per minute. At half power, blow frequency is doubled which is useful for faster production in softer materials.

As one of the new generation Hy-Rams, the Model 770 utilizes a piston accumulator which is a nitrogen gas chamber above the piston. This gas-assist increases impact delivery to the tool resulting in greater efficiency and a higher energy to weight ratio.

SPECIFICATIONS:

Impact Energy Class	3000 ft. lbs. / 4070 n.m.
Frequency	475 / 950 blows / min.*
Hydraulic Flow Required	45 g.p.m. / 170 l.p.m.**
Operating Pressure	2000 p.s.i. / 140 kg. / cm. ²
Nitrogen Pre-Charge	100 p.s.i. / 7 kg. / cm. ²
Weight With Standard Bracket	3350 lbs. / 1520 kg.
Overall Length	97 in. / 246 cm.
Spacing Inside Mounting Bracket	Varies With Machine
Boom Pin Diameter	Varies With Machine
Standard Demolition Tool	Cross Cut Chisel
Diameter	5-1/4 in. / 135 mm.
Working Length	24 in. / 61 cm.
Quick-Change Tool Feature	Standard

The Model 770 Hy-Ram is also available in two extra heavy-duty versions – the Model 771 and Model 772. These models feature abrasion-resistant, top-mounted brackets and longer working-length demolition tools. Contact the factory for further specifications.

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**Operation is possible with a smaller pump capacity, but results in reduced frequency.

ACCESSORIES:

Adapter Brackets

Demolition Tools – Cross-Cut Chisel, In-Line Chisel, Conical Point, Blunt. (For special tools, contact the factory.)

Assembly Stand

Adapter Sleeve For Assembly Stand

