

Allied's
Boom-Mounted
Hydraulic
Impact
Hammer

HY-RAM[®]



Model 740

The Model 740 Hy-Ram®... an all new impact hammer offering more productivity and the best value for the purchase price.

The Allied hydraulic impact hammer line has been expanded to include the all new Model 740 Hy-Ram. This new addition to the hammer line offers the best value for the purchase price of any hammer in its energy class. Moreover, it offers a substantial increase in productivity. More productive than its counterpart, the Model 88 Hy-Ram, the Model 740 is highly rated with a new unit of measurement – cubic yards per hour.

Carefully tested by breaking specified rock and utilizing typical working conditions, the cubic yards per hour measurement is categorized three ways – medium, medium/hard, and hard. The Model 740 has productivity ratings of 19, 15, and 10, respectively. Results will vary depending upon the job conditions, the strength of the material, the carrier, and the operator. The comparative productivity of the Model 88 and Model 740, using limestone rock (in situ), is illustrated in Figure 1.

In addition to more productivity, the Model 740 Hy-Ram features an accumulator (Figure 2) that is integrated into the body of the hammer. As a result, worn out accumulators require the replacement of the bladder only and not the entire accumulator.

This new generation Hy-Ram utilizes an energy recovery system that stores part of the primary blow energy. On hard material, a large amount of this primary blow energy is reflected back into the hammer.

Through the energy recovery system, this reflected energy is stored in the accumulator for the next blow. With constant hydraulic input, the Model 740 automatically adjusts to hard material conditions by increasing the number of blows per minute.

All of the new generation Hy-Rams function with a gas-assisted feature which creates a more efficient hydraulic system. The Model 740 gas-assisted feature has been further developed to be less dependent on the hydraulics of the backhoe/loader or excavator and to use a higher percentage of gas over hydraulics.

Allied Steel & Tractor Products, Inc. pioneered the concept of the high performance, boom-mounted impact hammer. The Model 740 maintains that tradition with a combination of performance, efficiency, and reliability. With more productivity and the best value for the purchase price, the Model 740 creates a perfect match for jobs requiring demolition of reinforced concrete, medium to hard rock, and large boulders. For more information, call the Allied Distributor in your area today.

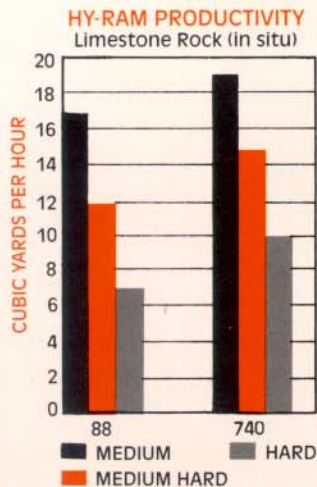


Figure 1

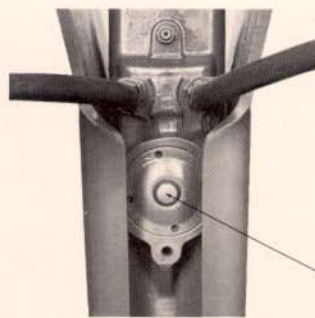


Figure 2

SPECIFICATIONS:

Model 740 Hy-Ram

Energy Class	1500 ft. lbs.
Frequency	750 blows/min.
Productivity	19-15-10 cubic yards/hour*
Hydraulic Flow Required ..	Up to 29 g.p.m./Up to 110 l.p.m.
Operating Pressure	2000-2400 p.s.i./140 to 165 bar
Nitrogen Pre-Charge	165 p.s.i./11.5 bar
Top Mounting Adapter Bracket	Standard**
Weight With Standard Bracket	1500 lbs./680 kg.
Overall Length	78 in./198 cm.
Spacing Inside Mounting Bracket	Varies With Machine
Boom Pin Diameter	Varies With Machine
Standard Demolition Tool	Cross-Cut Chisel
Diameter	4 in./100 mm.
Working Length	20 in./51 cm.

ACCESSORIES:

Adapter Brackets

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

*See Figure 1

**With Installation Kit

FOR SALES AND SERVICE CONTACT YOUR ALLIED DISTRIBUTOR:



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