



Hy-Ram[®]

Allied's Model 745 hydraulic impact hammer

Model 745 impact hammer — greater reliability and longer operating life.

Pound for pound, Allied's Model 745 Hy-Ram[®] provides greater power-to-weight single blow energy in its 1,045 foot pound CIMA Tool Energy Rating category. Designed to offer contractors greater reliability and longer operating life, the Model 745 hits harder than competitive hammers of comparable weight.

Offered in two mounting groups (SSF and SCS), it mounts easily on a mid-size, rubber-tired backhoe/loader in the 8 to 12.5 ton class or on an excavator in the 10 to 22.5 ton class. This versatile hydraulic hammer handles the toughest rock and concrete demolition jobs.

The Model 745 Hy-Ram[®] features:

- **Simple Design**
The internal design requires only three moving parts for less maintenance and more up-time.
- **Top-Down Lubrication**
An internal lubricant passage runs the length of the hammer extending the service life of the demolition tool and tool bushings.
- **Noise Suppression**
Responding to the environmental issue of reducing noise levels in the urban environment and many job sites, the sound generated by the percussion mechanism is absorbed and vibration is prevented from being transferred to adjoining assemblies. Its acceptable noise level is 93dB(A) at 23 feet (SSF) and 89dB(A) at 23 feet (SCS).
- **Compact System (CS)**
The SCS Mounting Group design suspends the hammer's internal working body in a box enclosure that isolates vibration forces and reduces recoil forces.
- **Dust Seal**
A dust seal in the box enclosure keeps out contamination and helps retain grease on the demolition tool and tool bushing for longer life.

A customized hydraulic installation kit from Allied provides components for mounting the Model 745 on mid-size, rubber-tired backhoe/loaders or excavators. The hammer requires 18-32 gpm at 1,750 to 2,600 psi and it breaks at a rate of 350 to 800 blows per minute.

Demolition of concrete structures, building foundations, bridge decks, pavement and trench rock are many of the applications for the Model 745. And, with a variety of accessories, contractors can put the Model 745 to work on the job site in more ways than ever before.

Whatever the application, whatever the demands, Allied's Model 745 Hy-Ram[®] will stand the test.



Model 745 Specifications

Model		745	745
Mounting Group		SSF	SCS
Operating Ranges			
Frequency	bpm	350 to 800	350-800
Hydraulic Flow Required	gpm (lpm)	18-32 (70-120)	18-32 (70-120)
Hydraulic Pressure	psi (bar)	1,750-2,600 (120-180)	1,750-2,600 (120-180)
Working Weight	lbs. (kg)	1,600 (726)	2,200 (1000)
Overall Length	in. (cm)	82 (208)	84 (214)
Standard Demolition Tool		Cross-Cut	Cross-Cut
Tool Diameter	in. (mm)	3.94 (100)	3.94 (100)
Recommended Carrier Weight-Backhoe	lbs.	16,000-25,000	20,000-25,000
Recommended Carrier Weight-Excavator	lbs.	20,000-40,000	25,000-45,000
Measured Values			
Energy Rating*	ft. lbs. (joules)	1,045 (1417)	1,045 (1417)
Frequency	bpm	819	819
Hydraulic Flow	gpm (lpm)	32.0 (121)	32.0 (121)
Supply Pressure	psi (bar)	2,593 (179)	2,593 (179)

*The hammer energy rating is in accordance with the Certified CIMA Tool Energy Rating method.
SSF-Small Excavator Side Frame mounting within the side plates of the hammer
SCS-Small Excavator Compact System (CS) top-mounting bracket bolted to the hammer

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