



Hy-Ram[®]

Allied's all new Model 797CS and Model 797CS G hydraulic impact hammers

Model 797CS — tough breaking action with AutoControl featuring variable hammer operation.

Handling the toughest rock and concrete demolition jobs, Allied's Model 797CS Hy-Ram® provides the maximum amount of breaking force in a compact design. Designed to offer contractors and mining operators greater reliability and longer operating life, the Model 797CS provides greater power-to-weight single blow energy in its Certified CIMA Tool Energy Rating category.

The Model 797CS mounts easily on an excavator in the 37 to 55 ton class. It is available in the Standard or Guardian™ versions. The Guardian version includes the all new DustProtection™ System.

The all new Model 797CS Hy-Ram features:

- **Simple Design**

The internal design requires only three moving parts for less maintenance and more up-time.

- **AutoControl**

Variable hammer operation that regulates blow energy by monitoring the amount of penetration of the tool into the material being broken.

- **Top-Down Lubrication**

An internal lubricant passage runs the length of the hammer extending the service life of the demolition tool and tool bushings.

- **Compact System (CS)**

A new design suspends the hammer's internal working body in a box enclosure that isolates vibration forces and reduces recoil forces.

- **Dust Ring**

A dust ring in the box enclosure keeps out contamination and helps retain grease on the demolition tool and tool bushing for longer life.

- **DustProtection™**

A new system that provides superior sealing qualities to the lower bushing and tool holder components by using a two-stage seal design (available only on the Guardian version).

- **AutoLube 2**

An optional automatic lubrication system that dispenses lubricant each time the hammer fires.

- **Underwater Compatible**

Underwater operation is possible by connecting a compressed air source to the port provided and using an Allied underwater Kit that includes the necessary fittings, regulators and safety switch.

A customized hydraulic kit from Allied provides components for operating the Model 797CS on excavators. The hammer requires 64 to 79 gpm at 2,300 to 2,600 psi. And, with AutoControl, it breaks at a rate of 320 to 600 blows per minute.

Demolition of concrete structures, building foundations, bridge decks, quarry rock, and trench rock are many of the applications for the Model 797CS. And, with a variety of accessories, contractors and mining operators can put the Model 797CS to work on the job site in more ways than ever before.

Whatever the application, whatever the demands, Allied's Model 797CS Hy-Ram will stand the test.



Model 797CS Specifications

Model	797CS and 797CS G
Mounting Group	LCS
Operating Ranges	
Frequency	320-600* blows per minute
Hydraulic Flow Required	64-79 gpm (240-300 lpm)
Hydraulic Pressure	2,300-2,600 psi (160-180 bar)
Working Weight	7,200 lbs. (3266 kg)**
Overall Length	141 in. (358 cm)
Standard Demolition Tool	Cross-Cut Chisel
Tool Diameter	6.50 in. (165mm)
Recommended Carrier Weight	
Excavator	74,000-110,000 lbs. (33,500-50,000 kg)
Measured Values	
Energy Rating***	4,955 ft. lbs. (6719 joules)
Frequency	708 blows per minute
Hydraulic Flow	78.7 gpm (298 lpm)
Supply Pressure	2,604 psi (180 bar)

* Model 797CS and Model 797CS G feature AutoControl

** Guardian version Working Weight 7,315 lbs. (3,325 kg)

*** The hammer energy rating is in accordance with the Certified CIMA Tool Energy Rating method.

For sales and service, contact your Allied Distributor:



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