Hammer Crusher

Ø300 × 190 mm | LT-A0093

Primary and secondary crushing • Laboratory and pilot applications



250-2500

kg/hour

CRUSHING CAPACITY

Ø300 × 190 mm

CRUSHING SYSTEM SIZE

LT-A0093

Main Components and Applications

LT-A0093 • Feeding, impact crushing and machine housing

The Liya Hammer Crusher reduces medium-hard, hard and brittle materials by impact. It can be used for primary and secondary crushing. Applications include laboratory sample preparation, pilot work and bulk crushing.

FEED HOPPER

Upper feeding area directing material towards the crushing section.

CRUSHING HOUSING

Outer housing of the mechanism that reduces material by impact.



CONTROL PANEL

Operator control area shown on the front of the machine.

OUTER GUARD

Enclosed protective section shown beside the crushing mechanism.

Product image: feed hopper, crushing housing and front control area.

APPLICATION EXAMPLES

- **Coal and coke**
- **Basalt**
- **Cement clinker**
- **Ceramics and fireclay**
- **Feldspar**
- **Glass**
- **Alloys**
- **Building materials**

Suitability and crushing results depend on material composition, hardness, moisture and initial particle size.

LT-A0093

Performance and Operating Workflow

Application selection based on the motor, feed and target product size

250-2500 kg/hour

Crushing capacity

Capacity range depends on the material and selected operating conditions.

5.5-15 HP

Motor options

Listed rotational speed range: 1500-3000 rpm.

<100 / <30 mm

Feed size limits

Feed below 100 mm or 30 mm, depending on the configuration.

<3.15 / <1 mm

Output fineness

Product size limits depend on the configuration and material.

MATERIAL PREPARATION WORKFLOW

01

Feeding

Suitably sized material enters through the upper hopper.

→

02

Impact Crushing

The crushing mechanism reduces the material size.

→

03

Discharge

Reduced material is directed towards the outlet.



Feed and crushing section • Detail view

Factors to Consider Together

Material

Hardness, brittleness and moisture content.

Particle Size

Initial feed size and target product fineness.

Capacity

Required throughput and motor configuration.

Capacity, motor power and output fineness are interdependent. The endpoints of the listed ranges do not represent a guarantee of simultaneous performance under the same conditions.

LT-A0093

Technical Data and References

LT-A0093 • Dimensions, electrical supply and listed standards

Technical Specification	Value
Product Code	LT-A0093
Product Name	Hammer Crusher
Crushing System Size	Ø300 × 190 mm
Crushing Capacity	250-2500 kg/hour
Feed Size Limits	<100 mm / <30 mm
Output Fineness Limits	<3.15 mm / <1 mm
Motor Power Options	5.5-15 HP
Rotational Speed	1500-3000 rpm
Internal Dimensions	50 × 50 × 60 cm
External Dimensions	60 × 60 × 160 cm
Approximate Weight	420 kg
Electrical Supply	380 V, 3 phases, 50 Hz

Standard References Listed on the Product Page

The manufacturer product page lists the following references.

EN	EN 932-5 • EN 1097-5 • EN 12697-1 Clause C • EN 13108 • EN 196-2 • EN 196-21 • EN 459-2
ASTM	ASTM C127 • C136 • D558 • D559 • D560 • D698 • D1557 • D1559
BS / UNE	BS 1924:1 • BS 1377:1 • UNE 103300

Configuration and Installation

Sample and Performance

Define material type, feed size, target fineness and required capacity together.

Motor and Layout

Plan the motor option, three-phase supply, floor and access space around the unit.

PRODUCT INFORMATION SOURCE

liyatest.com.tr/en/urun/hammer-crusher/