# A50
## Jaw Crusher


**Eccentric Shaft Assembly**
- ASTM A668 CL. L forged steel eccentric
- ASTM A148 GRD 80-50 cast swing jaw
- Grease lubricated spherical roller bearing type with straight main bore and swing jaw bearings
- Side-mounted main bearing housings

**Flywheel**
- Ductile iron diameter
- 10-5 V grooved flywheel

**Jaw Dies**
- Manganese steel with machined back
- Standard and heavy-duty options available
- Interchangeable and reversible
- Standard safety lifting points

**Adjustment and Toggle**
- Manual or hydraulic adjustment options available
- Overload relief
- Potential to crush out blocked chamber with hydraulic cylinder toggle system

**Mainframe**
- Cast and fabricated four piece keyed and bolted steel frame
- AR 400 Abrasive resistant steel side liners
- Two piece bolted side liners
- Deep chamber for increased production

**Options**
- 125 hp (90 kW) TEFC electric motor
- 125 hp (90 kW) Electric motor controls
- V-belt drive (standard right hand with material flow)
- Receiving hopper
- Manual or hydraulic adjust rebar deflector assembly
- Auto lubrication system
- Drive and non drive flywheel fiberglass guards
- Bearing temperature and vibration sensors
- Rear-mount drive assembly
- Hydraulic chamber clearing with toggle
- Rubber isolator mounting assembly
- Inlet feed splitter/protection plate

## Physical & Operating Characteristics

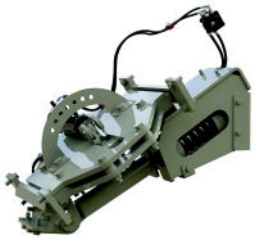
| Dimension | Imperial | Metric |
|---|---|---|
| Jaw feed opening gap | 24″ | 600 mm |
| Jaw feed opening width | 40″ | 1,000 mm |
| Maximum recommended feed size | 20″ | 500 mm |
| Hydraulic tank capacity | 20 gal | 76 L |
| Hydraulic pump motor | 7.5 hp | 5.6 kW |
| Total weight with liners | 29,846 lb | 13,538 kg |
| Recommended power electric | 125 hp | 90 kW |
| Diesel power requirement | 190 hp | 140 kW |
| RPM | 275 | 275 |
| Closed side setting minimum | 2″ | 51 mm |
| Closed side setting maximum | 5.5″ | 140 mm |
| Operating length of crusher | 110″ | 2,780 mm |
| Operating width of crusher | 74″ | 1,885 mm |
| Operating height of crusher | 91″ | 2,314 mm |

## Peak to Peak Approximate Capacity*

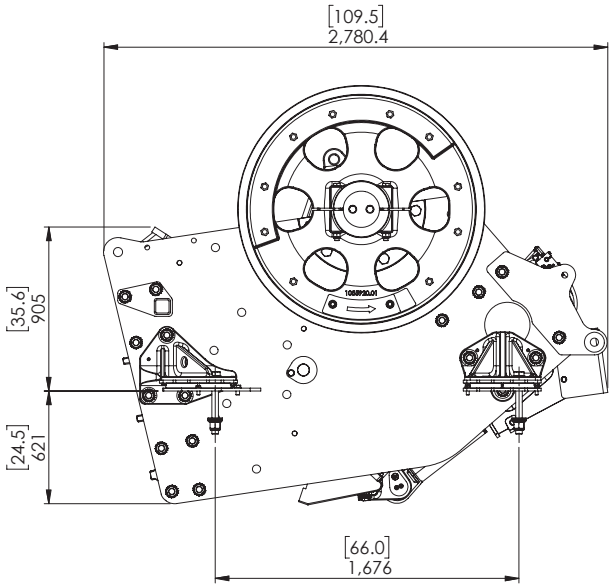
| CSS Setting | | Tons Per Hour | |
|---|---|---|---|
| Inches | Millimeters | TPH | MTPH |
| 2 | 51 | 120-160 | 110-145 |
| 2.5 | 63 | 140-185 | 125-170 |
| 3 | 76 | 148-210 | 135-190 |
| 3.5 | 90 | 165-220 | 150-200 |
| 4 | 102 | 200-260 | 180-240 |
| 5 | 127 | 220-300 | 200-270 |
| 5.5 | 140 | 245-330 | 220-300 |

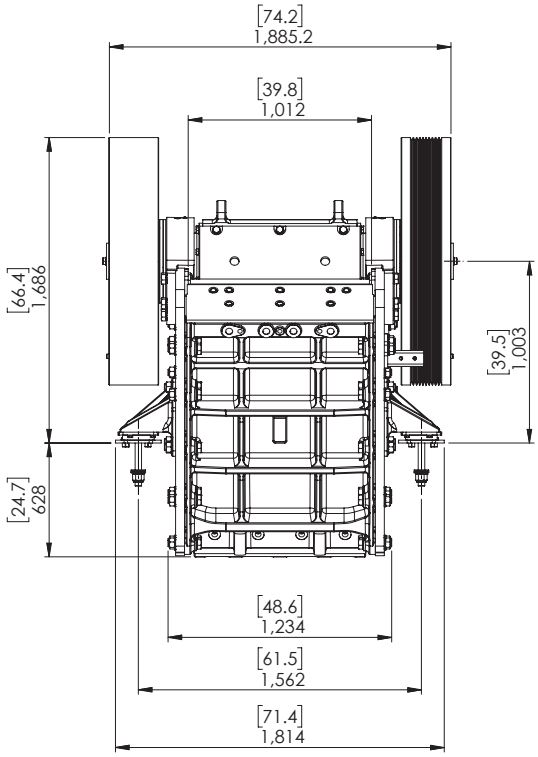
**Based on material weight 2,700 pounds per cubic yard. (1.6t/cub m)*
**Capacity controlled by material type/ hardness, moisture content, feed grading, closed side setting etc.*
***Closed Side Setting is measured Peak to Peak*
***Consult factory at smaller Closed Side Settings (feed material mix, feed size, hardness influences limits)*
***Standard Jaw liners (Heavy-duty Jaw liners will not achieve maximum CSS settings)*

Hydraulic Cylinder Toggle System



Wedge Adjust Mechanical Toggle System

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Note: Consult factory for exact dimensions, specifications are subject to change without notice.