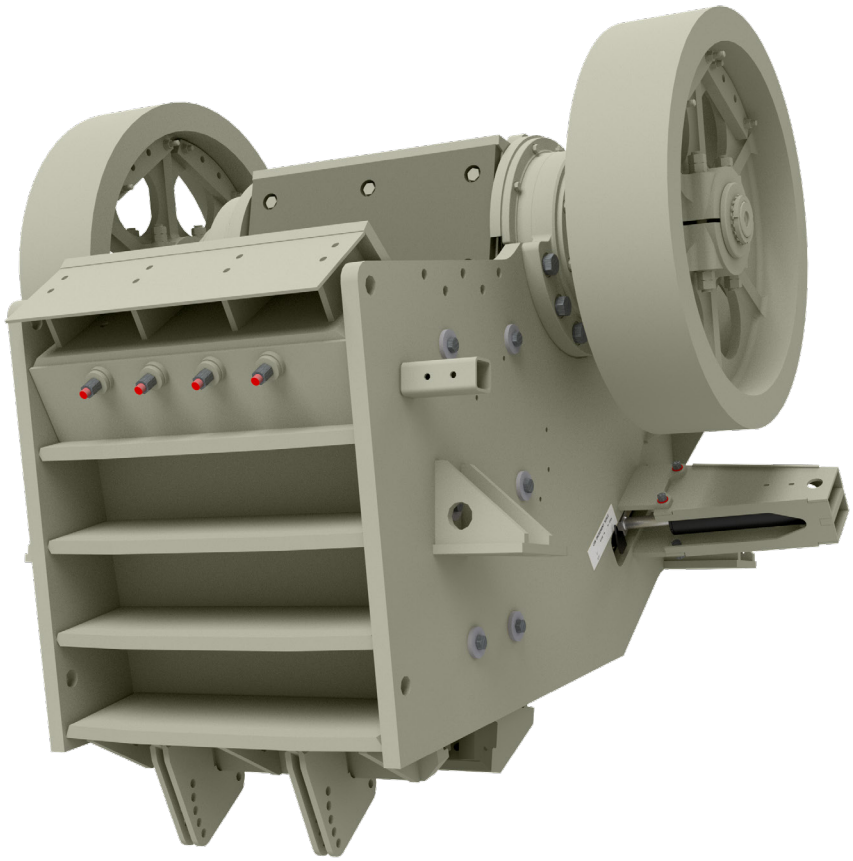
2742
Pioneer® Jaw Crusher



Eccentric Shaft Assembly
- AISI 4150 solid steel eccentric type
- Cast steel pitman design
- Grease lubricated spherical roller self-aligning type with straight bore pitman bearing
- Side mounted main bearing housings

Flywheel
- Ductile iron 50" diameter
- Grooveless flywheel

Jaw Dies
- Manganese steel with machined back
- Multiple configurations available

Adjustment and Toggle
- Hydraulic dual wedge
- Auto adjust tension rod with electric/hydraulic controls
- Grade 50 plate toggle
- Aggressive angle for increased production

Base
- Fabricated steel plate
- Stress relieved
- Abrasion-resistant steel side liners
- Three (3) piece bolt-on side liners
- Reversible side liners

Options
- 125hp TEFC electric motor at 1,200 RPM
- 125hp motor controls and wiring
- V-belt drive (standard drive right hand with material flow)
- Receiving hopper
- V-belt guard
- Auto-lube system
- Non-drive flywheel guard
- Tramp Iron Relief (TIR)

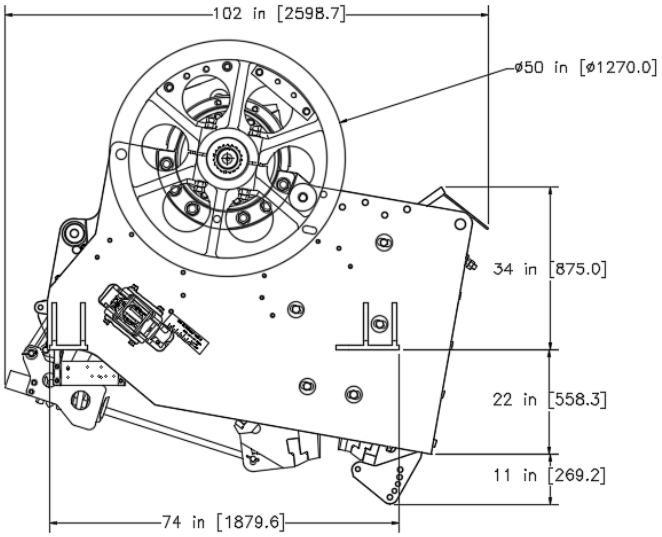
Physical and Operating Characteristics

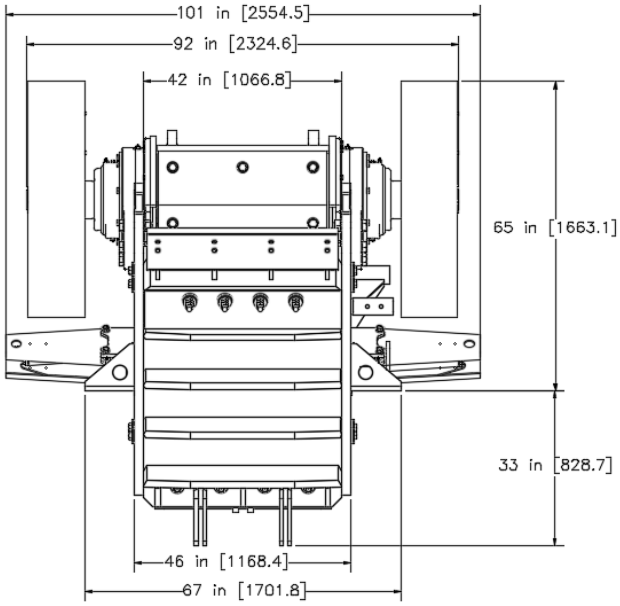
Dimension	Standard	Metric
Jaw Feed Opening Gap	27″	686mm
Jaw Feed Opening Width	42″	1,067mm
Moving Jaw Depth	53″	1,346mm
Stationary Jaw Depth	49″	1,244mm
Base Weight	18,100lb	8,210kg
Eccentric Assembly & Flywheels Weight	11,400lb	5,171kg
Total Weight	29,500lb	13,381kg
Recommended Power Diesel	190hp	142 kW
Recommended Power Electric	125hp	93 kW
RPM	275 max	
Stroke	1 ¼″	31.8mm
Closed Side Setting Minimum	2 ½″	64mm
Closed Side Setting Maximum	5″	127mm
Operating Length	102″	2,599mm
Operating Width	101″	2,555mm
Operating Height	98″	2,492mm

Peak to Peak Approximate Capacity*

CSS Setting		Tons Per Hour	
Inches	Millimeters	TPH	MTPH
2 ½	64	140	126
3	76	160	144
3 ½	89	180	162
4	102	200	180
5	127	240	216

*Capacity may vary as much as 25%.
**Based on material weight 2,700 pounds per cubic yard.





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

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