

# LIPPMANN

Specifications

## 1060j

## Track-Mounted Jaw Crusher



### DESCRIPTION

Heavy duty track mounted crusher with following features:

- 1060mm (42") wide x 700mm (28") single toggle jaw
- Choice of CAT or Volvo, LRC or Tier 4 / Stage V engines
- HD crawler tracks
- Integrated hydraulic folding hopper
- Integrated hydraulic folding stockpiling conveyors
- I-beam plate fabricated chassis construction
- Large gap between crusher discharge and main conveyor feedboot
- Open chassis design for ease of maintenance
- Fast setup time
- Quick release jaw for transport

### DIMENSIONS AND WEIGHTS

Length - transport	16.20m (53' - 2")
Width - transport	2.90m (9' - 6")
Height - transport	3.50m (11' - 5.8")
Weight (estimated)	48,500Kgs (106,900 lbs.) inc. magnet & dirt conveyor

## CAPACITIES

Diesel tank capacity	535 L (141 US gal)
Hydraulic tank capacity	1030 L (272 US gal)

## CRUSHING CHAMBER

Feed opening WxD	1060 x 700mm (42" x 28")
Crusher speed	280 rpm
Crusher stroke	37mm
Crusher drive	Hydraulic V Belts
Min opening	70mm (2.8")
Max opening	200mm (8")
Maximum feed size	560mm (22")
Crusher weight (bare)	15,650Kg (24,500 lbs)
Closed side setting adjustment	Hydraulic wedges
Motor	Kawasaki axial piston 530cc/rev
Flow rate	416 Lpm (110 US gpm)
Speed sensor	Yes
Level sensor	Ultrasonic
Load sensor	Yes
CSS sensor	Yes
Reversible	Yes

## LONG PAN FEEDER

Feeder width	1064mm (41.9")
Feeder length	4247mm (167.2")
Grizzly section opening	Tapered 25-75mm (1.4" - 3")
Grizzly section length	1590mm (62.6")
Drive	Hydraulic
Motor	David Brown MCC 2208 58.7cc/rev
Flow rate	63.5 Lpm (16.8 US gpm)
Adjustable speed	Yes - via electrical proportional
Variable speed	Yes - via electrical proportional
Maximum speed	975 rpm

## SHORT PAN FEEDER TO SUIT PRESCREEN (OPTION)

Feeder width	1064mm (41.9")
Feeder length	2190mm (86.2")
Drive	Hydraulic
Motor	David Brown MCC 2208 58.7cc/rev
Flow rate	63.5 Lpm (16.8 US gpm)
Adjustable speed	Yes - via electrical proportional
Variable speed	Yes - via electrical proportional
Maximum speed	975 rpm

## **DOUBLE DECK GRIZZLY PRESCREEN (OPTION)**

Prescreen width (inside wearplates)	1064mm (41.9")
Prescreen length overall	2215mm (7' - 3")
Grizzly section opening	Tapered 35-75mm (1.4" - 3")
Grizzly section length	1950mm (76.8")
Bottom deck mesh	1493mm x 1060mm (58.8" x 41.7")
Drive	Hydraulic
Motor	David Brown MCC 2208 58.7cc/rev
Flow rate	65.9 Lpm (17.4 US gpm)
Adjustable speed	No
Auto stop start system	Yes
Maximum speed	975 rpm

## **HOPPER**

Length overall	4175mm (13' - 8.3")
Width	2342mm (8')
Volume	5.8m <sup>3</sup> (7.6yd <sup>3</sup> )
Material	15mm Hardox side plates
Locking system	Hydraulic side locking wedges

## **SIDE CONVEYOR**

Stockpile height	3440mm (11' - 3.6") to belt crown
Belt width	650mm (26")
Belt spec	EP 400/3 3+1.5
Drive drum dia.	235mm (9.25")
Tail drum dia.	220mm (8.6") - spoked
Motor	OMH400
Flow rate	43.8 Lpm (11.6 US gpm)
Adjustable speed	Yes
Maximum speed	107 rpm

## **MAIN CONVEYOR**

Stockpile height	3912mm (12' - 10") to belt crown
Belt width	1200mm (48")
Belt spec	Plain 630/2 9+3 Toughflex
Drive drum dia.	333mm (13.1")
Tail drum dia.	287mm (11.3") - spoked
Motor	OMV630
Flow rate	79.4 Lpm (21 US gpm)
Maximum speed	123 rpm
Angle adjustable	Yes
Quick release	Yes
Dust covers	Yes
Low maintenance position	Yes (both ends)

## POWERUNIT AND HYDRAULICS

Engine option 1	Volvo D11 T4F/Stage V, 270 kW (360 Hp)
Engine option 2	CAT C9.3B T4F/Stage V, 310 kW (416 Hp)
Engine option 3	CAT C9.3 LRC, 310 kW (416 Hp)
Engine speed	1800 rpm
Flywheel pump 1 (jaw)	Kawasaki K5V160DTP
Flywheel pump 2 (main conveyor / prescreen)	Turolla 45/36
PTO pump 3 (panfeeder / side conv & magnet / pilot)	Turolla 35/23/9.5
Pump 4 (rock hammer)	Hydreco 36 (optional)
Total system flow (max)	693.5 Lpm (183.2 US gpm)
Hydraulic tank capacity	1030 L (272 US gals)
Hydraulic tank ratio	1.49 : 1
Hydraulic oil cooler	Yes

## ELECTRICS

Emergency stops	4 off, 2 feeder, 2 powerunit
Chassis cabling	Armored cable
Start siren	Yes - 10 sec delay
Control panel	Tedd Engineering / DSE 12"
Engine shutdowns	Low oil pressure High water temp Air filter blockage (selectable) Fuel contamination Low hydraulic tank level High hydraulic oil temperature
Radio control tracks and feeder	Standard
Pendant track control	Yes - plugged in control cabinet

## TRACKS

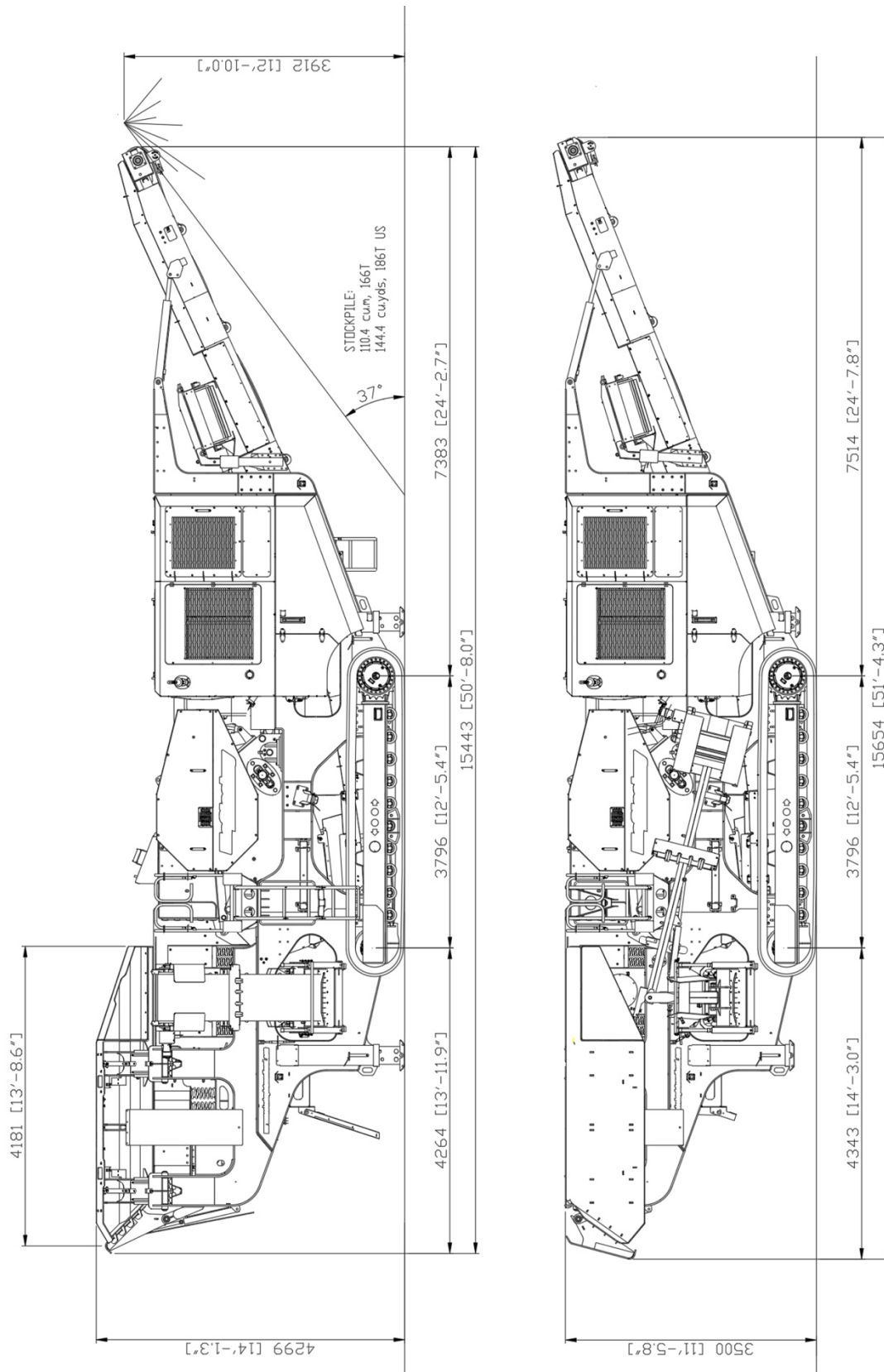
Track spec	D4 components
Width	400mm (15.7")
Length	3800mm (12' - 5.5") crs
Height	817mm (32")
Gearbox	Bonfiglioli 711 (or equivalent)
Ratio	144:1
Motor	Rexroth A2FE90
Speed max	1.50 Kph (0.93 mph)
Flow rate	152 Lpm (40.2 US gpm)
Multiple speeds	Three speed system selectable at control panel with smooth start / stop
Attachment to chassis	Bolt-on for quick change

## **OPTIONS**

- Main conveyor variable speed control
- Main conveyor feedbox
- Bofor options: - 30mm to 50mm and 60mm to 100mm
- Hopper extensions
- Overband magnet with hydraulic raise lower
- Water pump and dust suppression system
- Super teeth jaw die option (wave profile)
- Quarry jaw die option (square profile)
- Work lights
- Refueling pump
- Deflector plate under jaw
- Rubber base liners in pan feeder
- Rubber hopper side liners
- Rock hammer

## **SAFETY FEATURES**

- External belt alignment points
- External grease points
- Engine safety shutdown systems
- Full safety guarding for nip points



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All specifications are current as of this pricing, but are subject to change.