

Lokotrack® LT120™ Mobile jaw crushing plant





Lokotrack LT120

Next Level of Crushing

Lokotrack LT120 is the latest and most advanced of Metso's track-mounted jaw crusher plants. This robust new solution for mobile crushing is an outcome of combining solid experience with a new way of thinking. The thorough design process giving attention to every detail guarantees outstanding performance, and high-quality Metso parts ensure a reliable solution.

Reliable productivity

A reliable and efficient mobile crushing plant is a sum of several factors working together smoothly. The new Metso C120 jaw crusher with its 1 200 x 870 mm (47 x 34") feed opening provides excellent capacity even in the toughest applications. The hydraulic drive ensures trouble-free operation and enables crusher direction to be changed in case of blockage. The totally new Caterpillar C13 engine module provides optimal power to the high inertia flywheels.

Easy to transport

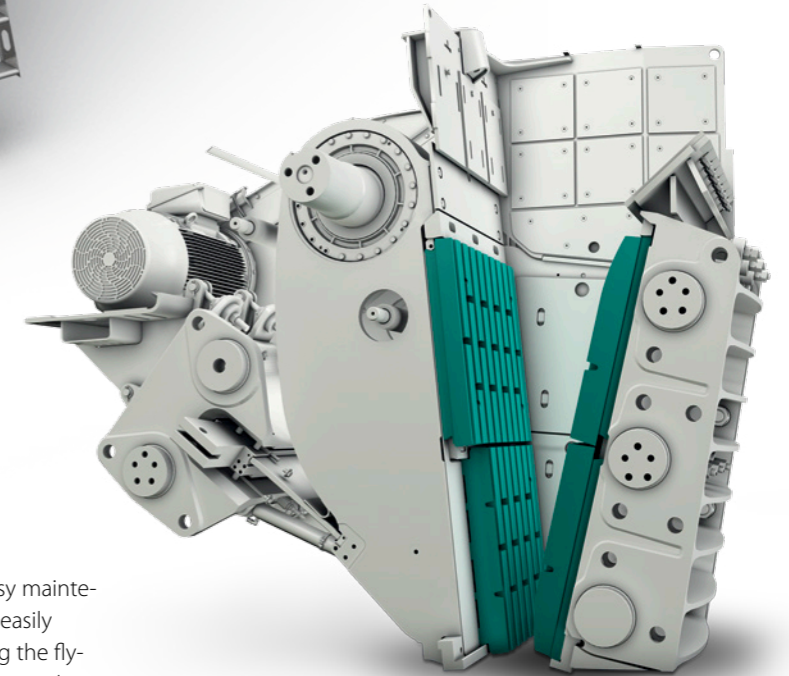
Thanks to its compact dimensions combined with agile tracks, the Lokotrack LT120 is a very easily transportable unit. Chassis design with good clearance at both ends enables simple loading on a trailer. The feed hopper sides equipped with a patented securing system allow the unit to be ready for crushing only moments after arriving onsite. The side conveyor with its excellent stock pile capacity is easy to install on either side of the unit.

Safe to operate and maintain

In designing the Lokotrack LT120, quick and easy maintenance was a major driver. The jaw die bolts are easily accessible, and the composite covers protecting the flywheels can be safely and easily opened. Having good access and proper platforms really make a difference in daily operational safety.

Efficiency with electricity

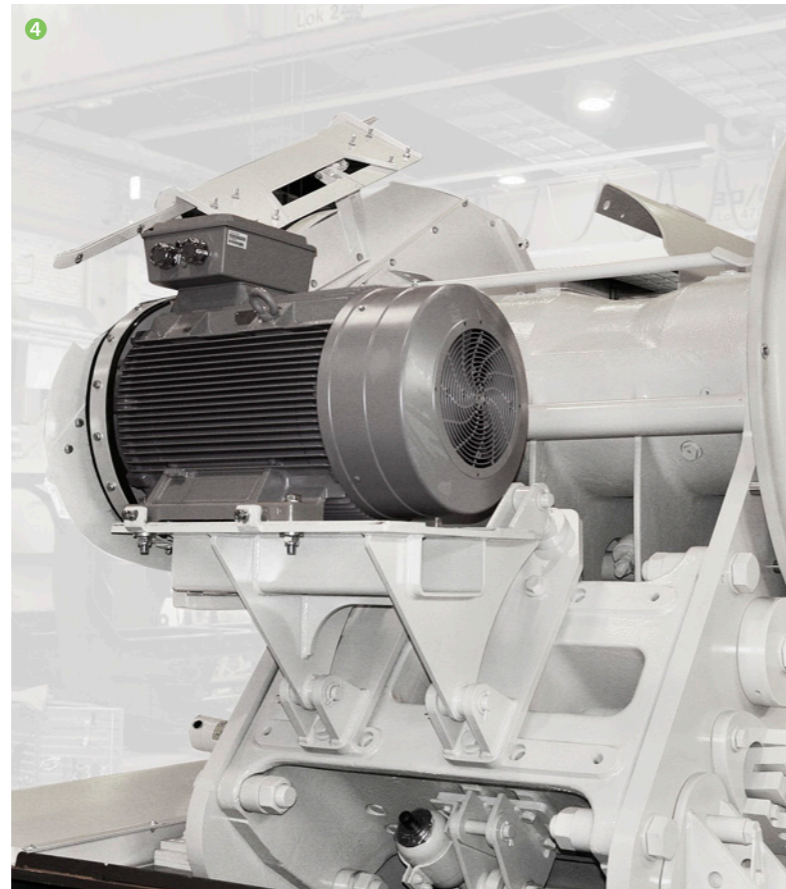
Lokotrack LT120E is an alternative to the hydraulic driven version. With the electrically driven version energy can be taken either from an external power supply or from a 420 kVA onboard diesel generator. The electrically driven crusher and conveyors enable a highly effective, economical and environment-friendly process. The Lokotrack LT120E electrical system is designed in such a way that it provides the same benefits in operation and maintenance as the hydraulic version.



Capacity is maximised with an excellent nip angle and aggressive linear stroke.

Lokotrack LT120:

- The robust Metso C120 crusher provides high capacity in all applications
- Compact dimensions enable excellent transportability
- Safe and reliable process with easy control system
- Smart design makes maintenance quick and safe



- 1 Composite flywheel covers allow quick and easy changing of the drive belts.
- 2 The feed hopper sides and locking mechanism are hydraulically operated.
- 3 Proper access stairs and platforms help to create a safe working environment.
- 4 The Lokotrack LT120E crusher and conveyors are electrically driven.

Technical specification			
C120 jaw crusher			
Feed opening	1 200 x 870 mm	47 x 34"	
Feed hopper			
Standard	7 m ³	9 yd ³	
With extensions	12 m ³	16 yd ³	
Loading height	4.5 m	14'9"	
Feeder			
Width	1 200 mm	47"	
Length	4 200 mm	13'9"	
Side conveyor			
Width	650 mm	26"	
Length	7 m	22' 11"	
Main conveyor			
Width	1 200 mm	47"	
Discharge height (standard)	3 400 mm	11' 2"	
Discharge height (optional)	4 600 mm	15' 1"	

Engine			
Caterpillar C13	310 kW	415 hp	
Generator (LT120E)	420 kVA		
Transport dimensions			
Length	16 650 mm	54' 8"	
Width	3 000 mm	9' 10"	
Height	3 900 mm	12' 10"	
Weight (LT120)	63 000 kg	138 000 lbs	
Weight (LT120E)	66 500 kg	147 000 lbs	
Noise emissions			
L _{WA} (EN ISO 9614)*	124 dB		
L _{PA} (EN ISO 11202)**	99 dB		
Options			
Metrics remote monitoring, ICr remote control, long main conveyor, hammer and boom, magnetic separator, automatic lubrication unit, radio remote control, water spraying system, belt protection plate, additional side plates for hopper, rubber lining for feeder and hopper, hydraulic generator, pre-heater for engine, interlocking cable, hot, cold and extreme cold climate kits.			

*L_{WA} = A-weighted sound power level

**L_{PA} = A-weighted sound pressure level at the workstation

The Lokotrack LT120 is easily transportable on a trailer. The unit pictured is equipped with an optional 16 m (52' 6") hydraulically foldable main conveyor.





"The Lokotrack LT120 has really exceeded our expectations with its high performance and low running costs."

Jouni Karra
Crushing Manager
Soraset Yhtiöt Oy
Finland



The Metso Way – Making the big difference to our customers

Everything we do is based on deep industry knowledge and expertise that makes the big difference to our customers. Decades of close customer collaboration and adapting to our customers' ever changing needs have transformed us into a knowledge company.



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