

Metso Lokotrack LT120 Track Mounted Jaw Crusher Unit #1129

#181260

Metso Lokotrack LT120 is built around the world-renowned Nordberg C120 jaw crusher, with a proven track record in the toughest of applications. The totally new fuel-efficient engine with hydraulic drive ensures trouble-free operation and enables the direction of the crusher to be changed in the event of a blockage.

The Lokotrack LT120's compact dimensions and agility on tracks means lower transport costs between and within crushing sites. The chassis design, with good clearance on both ends, enables safe and easy loading onto a trailer. Thanks to the feed hopper sides, with a patented and safe hydraulic securing system and radial side conveyor, the unit is ready for crushing or transport within minutes.

New design features, such as engine and flywheel composite covers, together with spacious service platforms and general excellent accessibility make daily operations safe and easy.

Unit

Feeder - LT120 Feeder, Horizontal feeder maximizes the overall production through the efficient removal of fines from the feed material. The feeder is equipped with 2 grizzly sections at the discharge end and with hydraulic drive. The feeder control panel is mounted on the feeder service platform.

1st Grizzly - Grizzly spacing 90 mm (3½")

2nd Grizzly - Grizzly spacing 90 mm (3½")

Rubber bottom - Included, Includes 70 mm rubber plates. Prevents material sticking to the bottom of the feeder and reduces noise

Screen deck media - Steel cloth 35 mm (1 3/8"), Screen mesh for grizzly undersize material screening, size 35mm. Horizontal feeder and scalper maximizes the overall production through the efficient removal of fines from the feed material. The scalper is equipped with 2 grizzly sections at the discharge end and with hydraulic drive.

Feed hopper - Extended 12 m³, Enables the loading of the Lokotrack LT120 either with an excavator or wheel loader and is made of wear resistant steel. Side walls are folded down for the transport with hydraulic cylinders.

Crusher

Crusher - Jaw crusher C120, Single toggle primary jaw crusher with non-welded construction. The crusher setting is easy to adjust by hydraulically operated wedges. Tools for jaw die changes are included with the jaw crusher. Primary jaw crusher with bolted and pinned construction. One of the most important Nordberg C120 features is an aggressive long stroke with effective direction which ensures an outstanding performance in any application. Features such as protection plates behind the jaw dies, replaceable toe wedges just to mention a few are standard features and those guarantee that the C120 is easy and economical to maintain over the long lifetime of the crusher. Special tools for safe and easy operation and maintenance, such as lifting tools for jaw dies, cheek plates and toggle plate, are part of standard scope of supply. Single toggle primary jaw crusher with non-welded construction. The crusher is mounted without a bolted connection. The discharge setting is easy to adjust by hydraulically operated wedges. The standard jaw die profile is suitable both for rock and gravel crushing.

Jaw profile - Quarry, Designed to crush efficiently blasted rock and ore. The flat teeth provide with longer lifetime when crushing abrasive materials.

Setting adjustment - Hydraulic setting adjustment, Enables remote crusher setting adjustment from the control panel.

Material level control - Included, Ultrasonic sensor to measure and control the material level in the crusher cavity by controlling the feed speed.

Belt protection plate - Included, Conveyor belt protector prolongs lifetime of conveyor belt under crusher. Angle of the protector can be adjusted. Especially in recycling applications, rebars can damage the belt. On the fixed jaw side, a plate is mounted to guide the crushed recycling material together with steel parts onto the main conveyor and to protect the belt conveyor.

Power Unit

Diesel engine - CAT C13, Includes air cleaner, hydraulic tank and diesel engine. Highly powerful and fuel-efficient diesel engine.

Emission class - Tier 4F

Climate kit - Standard (-20C/-4F...35C/95F)

Main Conveyor

Main conveyor - Extended, Belt conveyor for transporting the crushed material from the crusher to the discharge point. The conveyor is equipped with hydraulic drive and emergency stop wires

on both sides of the conveyor. Belt conveyor with anti-magnetic section for a magnetic separator for discharging the crushed material as well as the by-pass material. The conveyor is equipped with hydraulic drive and emergency stop wires on both sides of the conveyor.

Magnetic separator - Included, Heavy-duty magnetic separator for removing the iron waste from crushed material

Side Conveyor

Side conveyor - H6,5-7 conveyor, Belt conveyor for transporting the fine material to the side of the Lokotrack. The side conveyor is equipped with hydraulic drive and stop buttons both sides of the conveyor. The conveyor is removed for transport.

Optional Equipment

Interlocking - Included, Consecutively operating LT crushing units can be interlocked with connection cables. In that case the interlocked Lokotracks are transmitting information between units. E.g., an overload, a material level alarm or a multifunction stops the feeder of the previous LT. The connection box for the primary unit is located under the feeder, and the connection box for the secondary unit under the main control box.

Hydraulic power take off - Included, For connecting the auxiliary hydraulic equipment to the hydraulic system of the Lokotrack LT120. Includes hydraulic solenoid valve and electrification.

Water spraying system - Spraying system with pump. For binding dust particles at the crusher cavity, under the crusher and at the discharge end of main conveyor. High pressure water spraying system with pump. For binding dust particles at the crusher cavity, under the crusher, at the discharge end of main conveyor. This system includes high pressure water pump.

Jaw maintenance platform - Included, Lightweight, adjustable and easy to handle maintenance platform(s) for making the jaw liner and cheek plate changes easier and safer.

Remote radio control - Included (US / 458Mhz) Enables the remote control of following functions: Start/stop of diesel engine, Rpm adjustment of diesel engine, Moving forward/reverse (tracks). Remote radio controller for the main functions.

Metso Metrics System - Included, Remote monitoring and reporting system for Lokotrack. Consists of modem and antenna installation. Access to the monitoring and maintenance scheduling system and reporting services can be ordered with a separate service contract.

Finishing

Color - Metso beige

Safety labels - ANSI

Documentation

Quantity of printed manuals - 2

Electronic spare part book - Included

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