

Metso Lokotrack® LT120E™

Hybrid e-Power mobile jaw crusher for quarries

Lokotrack LT120E is a mobile jaw crusher especially for primary crushing. This hybrid crushing plant with e-Power can be operated by plugging into an external network or by the 420 kVA onboard diesel generator. Combined with LT330D mobile cone crusher the entire process can be powered by electricity and save up to 40% in fuel costs.

2-Step grizzly feeder

Automatic speed control (or radio remote)
Efficient material flow with high stroke vibrating unit
Wear resistant feeder bottom (rubber as an option)
3-ways to direct scalped material with by-pass chute

Hydraulically foldable hopper

Wear resistant curved hopper sides
Patented locking mechanism
Extensions for more volume

H6,5-7E side conveyor

Discharge on both sides
High discharge height for stockpile capacity

Main conveyor feed-end cylinder function

Automated cylinder function increases space between crusher and main conveyor during operation and ground clearance during transport

Various e-Power features

Connectivity to external power source, external power grid or generator
Main components with electric motor drive (exl. tracks and feeder)
Frequency converter for crusher speed adjustment/swing motion
Connection plugs for external power

Nordberg® C120 jaw crusher

Strong bolted structure
Large stroke and kinematics for hard rock
Hydraulic setting adjustment
Swinging motion for easy cavity clearance

H12-12E or H12-16E main conveyor

Electric driven belt conveyor with steel enforcing
Extended conveyor for more discharge height
Height-adjustable magnet for metal separation

Fuel-efficient power transmission

Diesel directly connected to a 420 kVA generator
Reduced hydraulic oil volume 235 l (59 gal)
Electric motor connected via v-belts to crusher flywheel

IC process control for connectivity




Radio remote for feeder control and tracking
Remote IC app for improved safety and productivity
Metso Metrics for remote process monitoring

Technical specifications

Transport dimensions		
Weight	66,500 kg	147,000 lbs
Length	16,650 mm	55'
Width	3,200 mm	10' 6"
Height	3,900 mm	12' 10"
Feeder		
LT120 feeder		
Hopper volume	7 m ³ / 12 m ³	9.2 yd ³ / 15.7 yd ³
Width	1,200mm	47"
Loading height	4,430 mm	14' 6"
Loading width	2,600 / 4,100 mm	8' 8" / 13' 5"
Side conveyor		
H6.5-7		
Width	650 mm	26"
Length	7,000 mm	23' 0"
Discharge height	3,000 mm	9' 10"
Crusher		
Nordberg® C120™		
Feed opening	1,200 x 870 mm	47" x 34"
Drive type	Electric	Electric
Process control	IC	IC
Main conveyor		
H12-12E / H12-16E		
Width	1,200 mm	47"
Length	12,000 / 16,000 mm	39' 4" / 52' 6"
Discharge height	3,400 / 4,600 mm	11' 2" / 15' 1"
Power unit		
CAT® C9.3B, Volvo D11 / Volvo D13		
Power	310 , 315 / 356 kW	416, 422 / 477 hp
Fuel /hydr.oil vol.	630 / 235 l	166 / 59 gal
Options		
Active Setting Control for crusher	Hydraulic generator	
Additional service platform	Hydraulic setting adjustment	
Automatic lubrication unit	Interlocking cable	
Belt protection plate	Magnet for metal separation	
Bypass chute	Metso Metrics	
Climate kit (hot/cold)	Oil heater for hydraulic oil	
Discharge hood for conveyors	Pre-heater for diesel engine	
Dust encapsulation for conveyors	Remote IC	
Extended main conveyor	Remote radio control	
External power supply installation	Rock breaker	
Feed hopper extensions	Screen module	
Filter kit	Side conveyor	
Fuel filling pump	Special scraper for conveyors	
High pressure water spraying		



Applications

-  Road construction
-  Railroad ballast
-  Asphalt and concrete fractions

Combine with

- LT220GP, LT300HP and LT330D cone crushers
- ST2.8E, ST3.8E and ST4.10E mobile screen