

# Metso

Lokotrack® EC range

Industry-leading  
reliability and  
performance



# Lokotrack® EC range

The Lokotrack® EC range introduces new diesel-electric power line with unseen usability improvements and the latest crushing and screening technologies.

All process functions in Lokotrack EC crushers and screens are electric. The electric components are globally available and designed for demanding conditions making it easier to reach maximum uptime.

## Designed with user in center

The Lokotrack EC models have a new remote radio to set up the machine to operation safely from distance. Wide service platforms and access from the ground level make every day maintenance easy and safe for the operators.

## Safe investment

The modular design allows upgrading the machines with new features and technologies to meet the changing market requirements. The machines share same design and common parts making operation easy with lower parts inventory.



The Lokotrack EC range aligns with the demand for low-carbon operations when operated on electrical power, thereby reducing carbon emissions. Additionally, reducing the carbon footprint is achieved by minimizing the need for hydraulic oil.





Next-generation diesel-electric powerline enables minimum operational cost and CO2 emissions



All electric components are designed for demanding conditions to reach maximum uptime



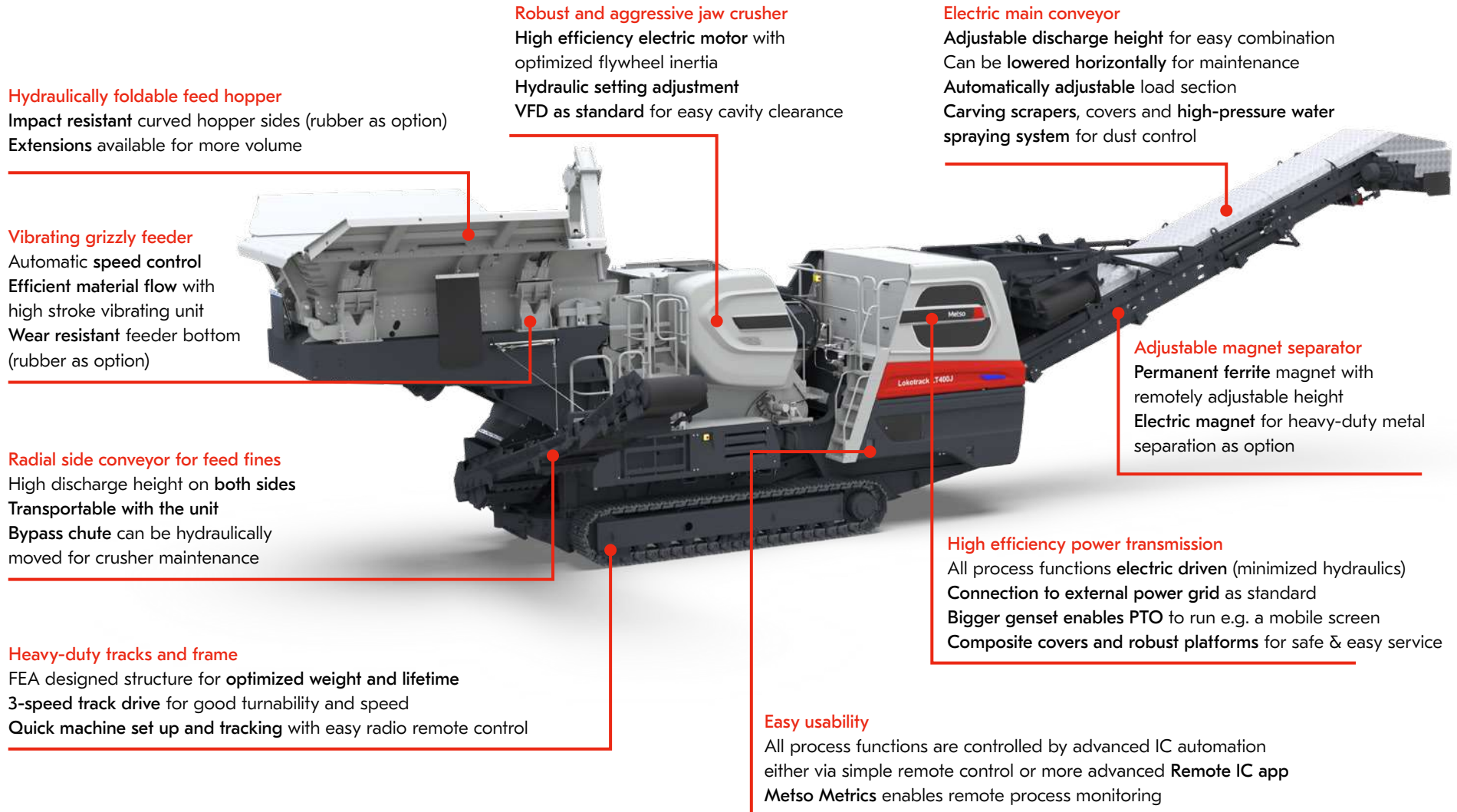
With easy-to-use remote control, units can be safely set up for transport and operation



## Metso Lokotrack® LT400J™

# The next generation diesel-electric mobile jaw crusher

Lokotrack LT400J is a powerful hybrid mobile jaw crusher designed for primary crushing of hard rock and producing recycled aggregates. The new diesel-electric power line and enhanced usability ensure maximum uptime. Its modular design allows easy upgrades to meet changing market requirements.



### Hydraulically foldable feed hopper

Impact resistant curved hopper sides (rubber as option)  
Extensions available for more volume

### Vibrating grizzly feeder

Automatic speed control  
Efficient material flow with high stroke vibrating unit  
Wear resistant feeder bottom (rubber as option)

### Radial side conveyor for feed fines

High discharge height on both sides  
Transportable with the unit  
Bypass chute can be hydraulically moved for crusher maintenance

### Heavy-duty tracks and frame

FEA designed structure for optimized weight and lifetime  
3-speed track drive for good turnability and speed  
Quick machine set up and tracking with easy radio remote control

### Robust and aggressive jaw crusher

High efficiency electric motor with optimized flywheel inertia  
Hydraulic setting adjustment  
VFD as standard for easy cavity clearance

### Electric main conveyor

Adjustable discharge height for easy combination  
Can be lowered horizontally for maintenance  
Automatically adjustable load section  
Carving scrapers, covers and high-pressure water spraying system for dust control

### Adjustable magnet separator

Permanent ferrite magnet with remotely adjustable height  
Electric magnet for heavy-duty metal separation as option

### High efficiency power transmission

All process functions electric driven (minimized hydraulics)  
Connection to external power grid as standard  
Bigger genset enables PTO to run e.g. a mobile screen  
Composite covers and robust platforms for safe & easy service


### Easy usability

All process functions are controlled by advanced IC automation either via simple remote control or more advanced Remote IC app  
Metso Metrics enables remote process monitoring


# Technical specifications

Transport dimensions		
Weight (rounded)	68 t	149 900 lbs
Length (rounded)	18,3 m	60'
Width	3,0 m	9' 10"
Height	3,9 m	12' 10"
Feeder		
LT400J feeder		
Hopper volume	7 m <sup>3</sup> / 12 m <sup>3</sup>	9 yd <sup>3</sup> / 16 yd <sup>3</sup>
Width	1200 mm	3' 11"
Loading height	4480 mm	14' 8"
Loading width	4060 mm	13' 4"
Side conveyor		
BC6.5 - 7		
Width	650 mm	2' 1"
Length	7000 mm	22' 11"
Discharge height	2900 mm	9' 6"
Crusher		
Nordberg® C120		
Feed opening	1200 x 870 mm	47' x 34'
Drive type	Electric 160 kW	
Main conveyor		
BC12-16		
Width	1200 mm	3' 11"
Length	16 m	52' 6"
Discharge height	3,6 - 4,7 m	11' 9" - 15' 5"
Power unit		
CAT® C93B, C13B / C93B		
Power (StageV, Tier4f / Tier3)	310, 370 / 310 kW	415, 516 hp
Generator power	450 / 550 kVa	
Fuel /hydr.oil vol.	1000 l / 80 l	264 gal / 21 gal
Process control		
IC		
Options		
Adjustable permanent/electric magnet	Fuel filling pump	
Automatic lubrication unit	High pressure water spraying	
Belt protection plate	Interlocking cable	
Bypass chute	Metso Metrics	
Climate kit (hot/cold)	Pre-heater for hydraulic oil	
Dischage hood for conveyors	Pre-heater for diesel engine	
Dust encapsulation for conveyors	Remote IC	
External power intake (400V)	Rock breaker	
Electric power outlet 150A	Rubber liners for feeder bottom	
Electric power outlet (32/63A)	Side conveyor	
Feed hopper extensions	Special (carving) scraper for main conveyor	







Next generation diesel-electric powerline




Same design and common parts




Designed with user in center



All process functions are electric



Electric components designed for demanding conditions

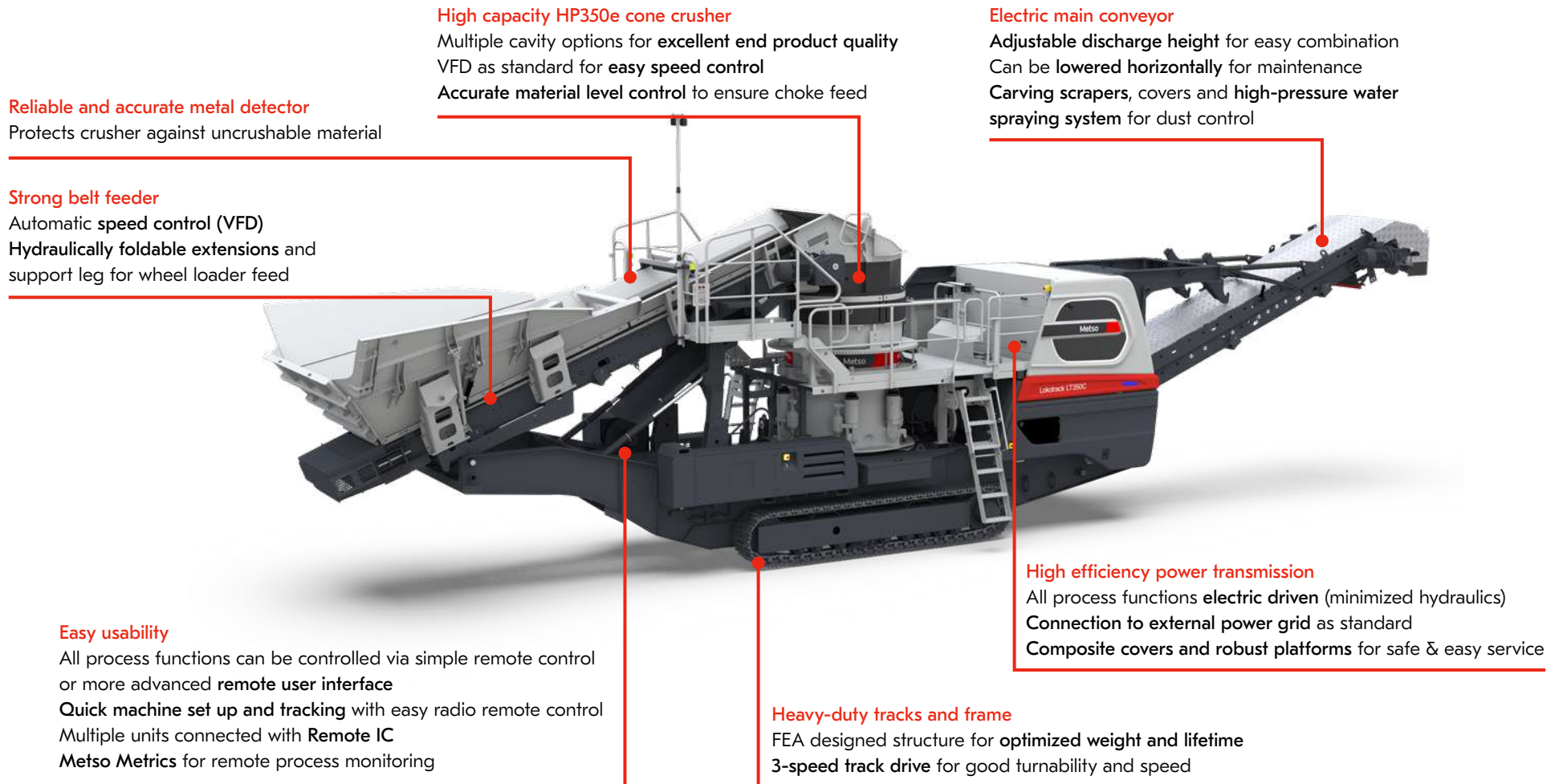


Easy upgrade of new features and technologies

## Metso Lokotrack® LT350C™

# The next generation diesel-electric mobile cone crusher

Lokotrack LT350C is a powerful hybrid mobile cone crusher for secondary crushing in various applications. The new diesel-electric power line and enhanced usability ensure maximum uptime. Its modular design allows easy upgrades to meet changing market requirements.



# Technical specifications

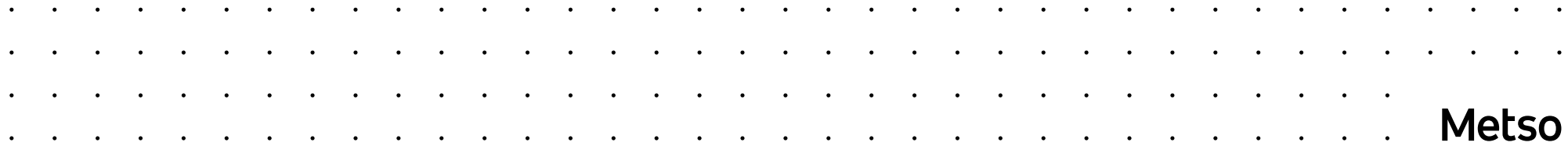
Transport dimensions		
Weight	50 t	111 000 lbs
Length	21 m	68' 10"
Width	3 m	9' 10"
Height	3,8 m	12' 6"
Feeder		
BF12-7		
Hopper volume	6 m <sup>3</sup> / 8,5 m <sup>3</sup>	8 yd <sup>3</sup> / 11 yd <sup>3</sup>
Loading height	2830 mm	9' 3"
Loading width	2800 mm	9' 2"
Crusher		
Nordberg® HP350e		
Max feed opening	246 mm	9,7"
Nominal power	250 kW	325 hp
Drive type	Electric	
Main conveyor		
BC12-13		
Width	1200 mm	3' 11"
Length	13 m	42'
Discharge height	2,7 - 3,6 m	8' 10" - 11' 7"
Power unit		
CAT® C13B/C13		
Power (StageV,Tier4 / Tier3)	400/385 kW	536/516 hp
Generator power	550 kVa	
Fuel / hydr. oil vol.	1000 l / 80 l	264 gal / 21 gal
Process control		
IC		
Options		
Climate kit (hot/cold)	Metso Metrics	
Discharge hood for main conveyor	Heater for hydraulic/lubrication oil	
Dust encapsulation for conveyors	Pre-heater for diesel engine	
External power intake (400V)	Remote IC	
Electric power outlet (32/63A)	Safety package	
Feed hopper extensions	Special scraper for conveyors	
Fuel truck connection	Synthetic lubrication oil	
High pressure water spraying		
Hydraulic oil heating		
Interlocking cable		



	Next generation diesel-electric powerline		Same design and common parts
	Designed with user in center		All process functions are electric
	Electric components designed for demanding conditions		Easy upgrade of new features and technologies

Metso is a frontrunner in providing sustainable technologies, end-to-end solutions and services for the aggregates, minerals processing and metals refining industries globally. By helping our customers increase their productivity, improve their energy and water efficiency and environmental performance with our process and product expertise, we are the **partner for positive change**.

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