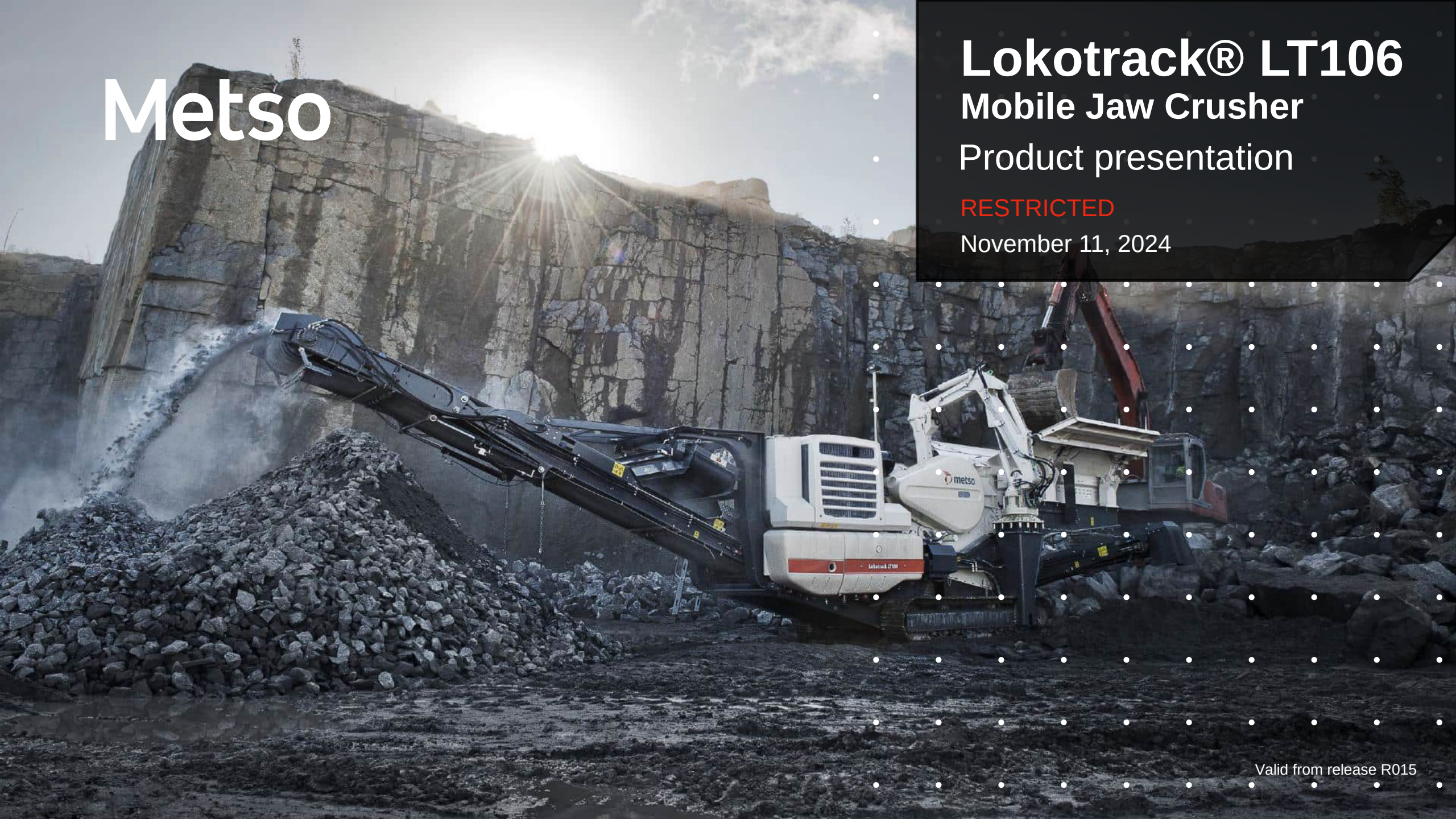


Metso

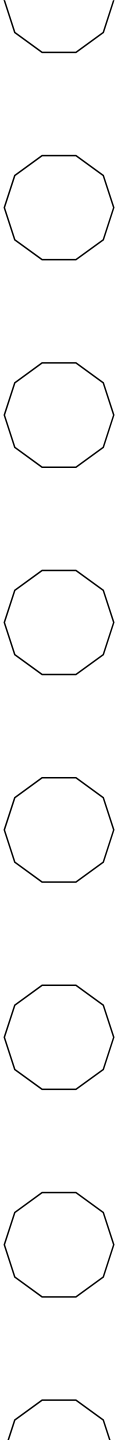
Lokotrack® LT106 Mobile Jaw Crusher Product presentation

RESTRICTED

November 11, 2024



Valid from release R015

A vertical column of seven white octagons with black outlines is positioned along the left margin of the page.

NOTE

This document contains information that may not be accurate, specific measurements and details are to the best of the authors knowledge and true at the time of print.

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General overview

Lokotrack® LT106™ mobile jaw crusher is a primary crusher for aggregates production and recycling demolition and other waste. Often used in a multistage crushing process or as a stand-alone unit.

Well-tailored for:

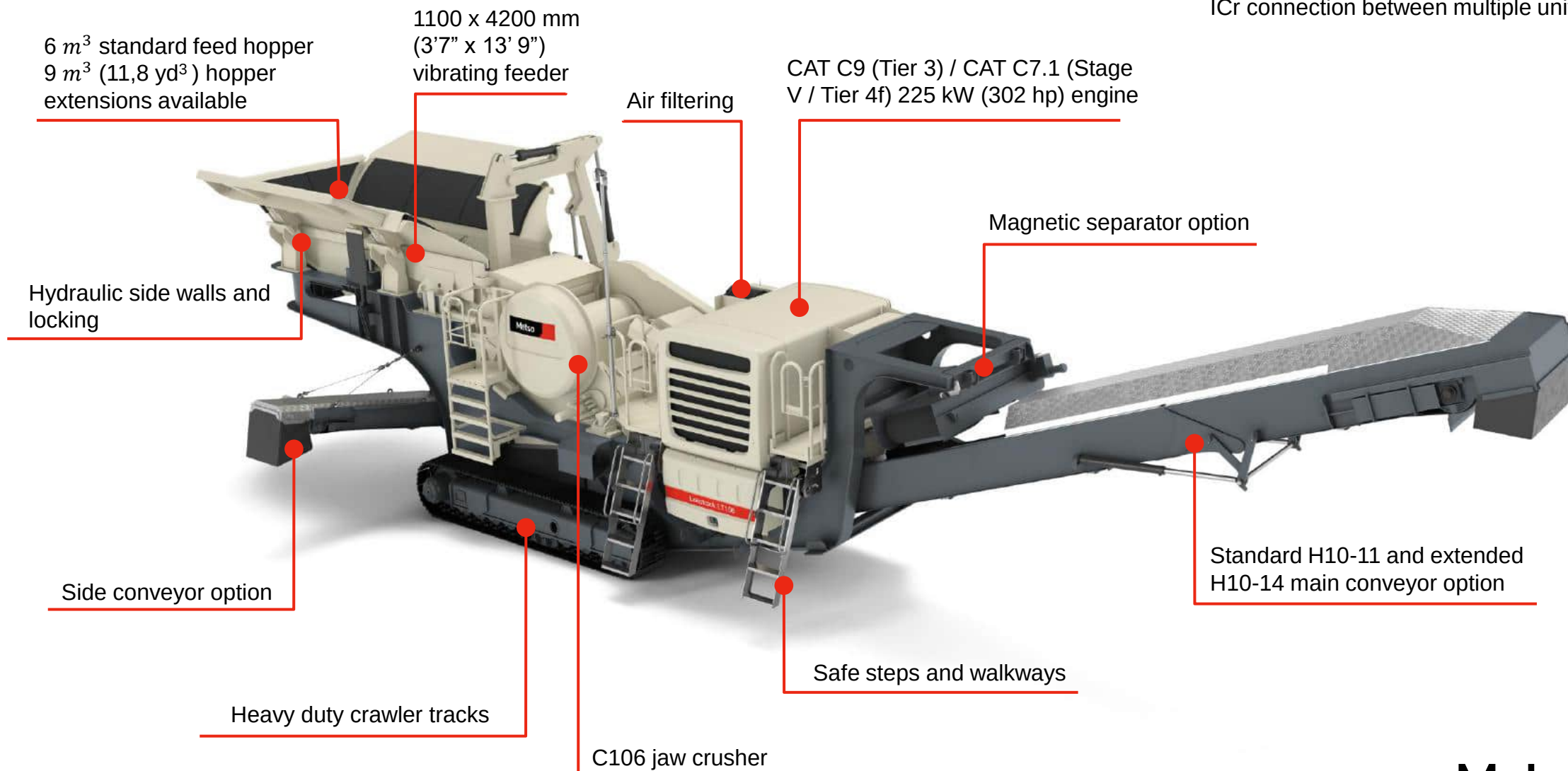
- Demanding primary crushing of aggregates and recycled materials
- Crushing concrete waste



Lokotrack LT106	Metric	Imperial
Capacity – nominal	400 t/	440 st/h
Feed size – max.	560 mm	22"
Weight – w/o options	42 700 kg	94,200 lbs

Lokotrack LT106 specification

Radio remote control option
IC control system
ICr connection between multiple units



Transportation made easy



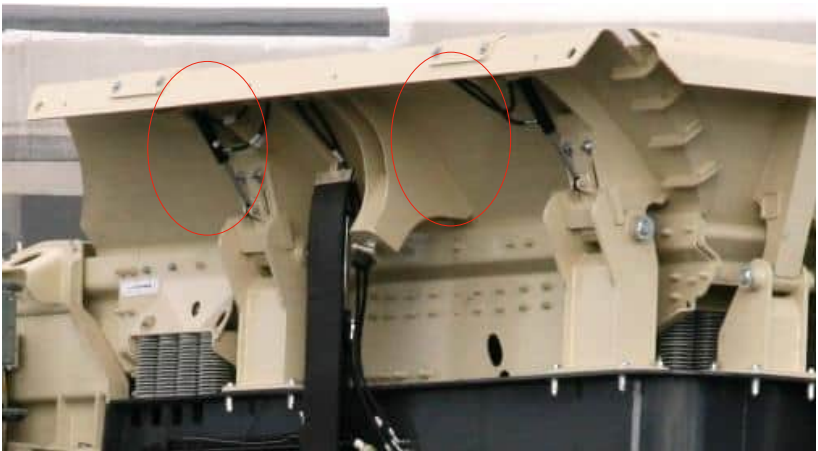
Optimized weight and dimensions make LT106 superior in transportation and set up.



For **safe and easy transport** on public roads, the tie down points are coloured with Metso red. 250 mm **ground clearance** on both ends eases transportation and loading process.



Extended main conveyor can be folded with **hydraulic cylinders** for easier transportation. Extended main conveyor is also equipped with **hydraulic locking** for better safety.



Feed hopper sides and locking mechanism are **hydraulically operated** enabling quick and safe set-up.

Transport w/o options	Metric	Imperial
Length	15 150 mm	49' 8"
Width	2800 mm	9' 2"
Height	3400 mm	11' 2"
Weight	42 700 kg	94,200 lbs
Ground clearance	250 mm	10"

Technical drawing of the backhoe loader showing side and top views with dimensions in millimeters and inches.

Side View Dimensions:

- Overall height: 4250 mm [13' - 11 1/8"]
- Height to top of boom: 3900 mm [12' - 9 9/16"]
- Height to top of rear counterweight: 2100 mm [6' - 10 11/16"]
- Height to top of rear counterweight (lower section): 360 mm [14 3/16"]
- Height to top of rear counterweight (lower section): 915 mm [36"]
- Height to top of rear counterweight (lower section): 3400 mm [11' - 17 5/8"]
- Height to top of rear counterweight (lower section): 2760 mm [9' - 0 11/16"]
- Height to top of rear counterweight (lower section): 540 mm [21 1/4"]
- Height to top of rear counterweight (lower section): 7200 mm [23' - 7 7/16"]
- Height to top of rear counterweight (lower section): 7750 mm [25' - 5 1/8"]
- Height to top of rear counterweight (lower section): 2900 mm [9' - 2 1/4"]
- Height to top of rear counterweight (lower section): 3600 mm [11' - 8 3/4"]

Top View Dimensions:

- Overall width: 15400 mm [50' - 6 5/16"]

Tracks	Metric	Imperial
Tarck shoe width	500 mm	1' 8"
Length (center to center)	3370 mm	11' 1"
Speed	0,5 / 0,9 km/h	0,3 / 0,55 mph
Support legs needed	No	No
Ground pressure	125 kPa	18.1 psi

Robust feed hopper for high capacity operation

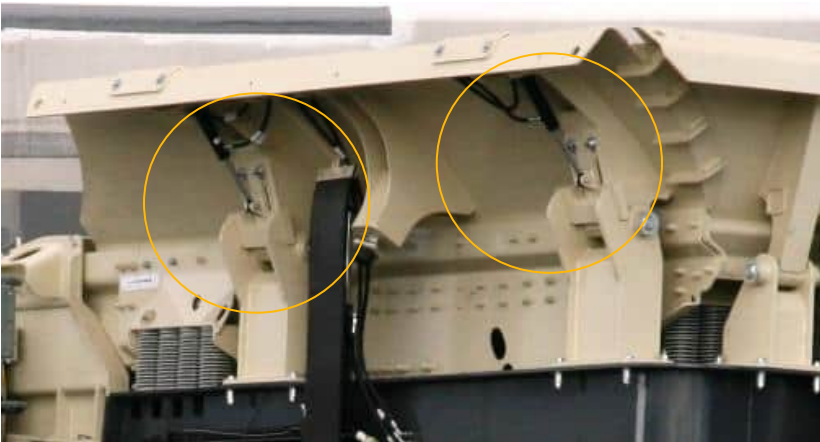


Feed material hopper having strong, curved hopper sidewalls made of **wear resistant steel**.

Feed Hopper	Metric	Imperial
Volume	6 m ³	8 yd ³
Width, rear	2460 mm	8' 1"
Loading height	3900 mm	12' 10"
Dimensions extensions included		
Volume	9 m ³	12 yd ³
Width, rear	3630 mm	11' 11"
Loading height	4250 mm	13' 11"



Option available for hopper **extensions** (9 m³) to add more capacity.

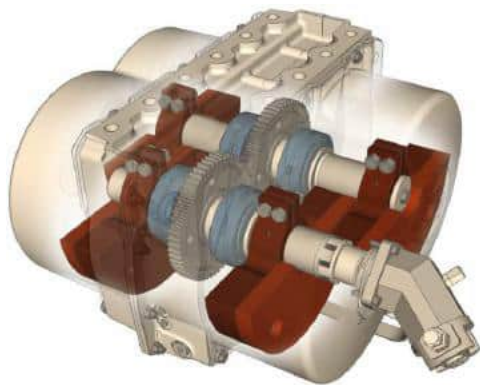


Sidewalls can be **locked hydraulically** with a wedge to the operating position. Hopper walls are **hydraulically operated** and secured: operation at ground level.

Vibrating feeder provides efficient material separation

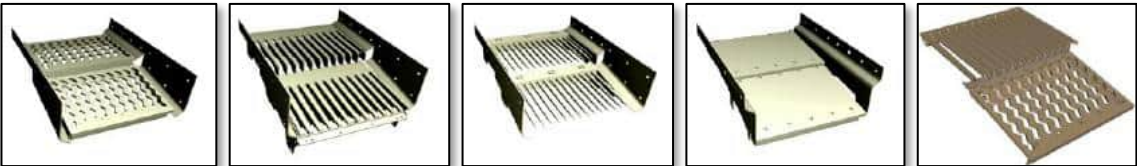


Heavy duty vibrating feeder having efficient material separation with **proportionally controlled speed** by IC control system. Strong solid shaft line with counter balance weights causing the elliptical eccentric motion.



Counter-balance weighted gear with casted, heavy duty hydraulic driven **V1150 vibration mechanism** with oil bath lubrication

Grizzly feeder	Metric	Imperial
Width	1100 mm	3' 7"
Length	4200 mm	13' 9"
Vibrating machinery	V150	V150
Weight	2975 kg	6560 lbs
Type	Solid bottom	Solid bottom
Type of grizzly	Two stage grizzly	Two stage grizzly
Grizzly cassette options	38 mm zigzag (recycling), 52 mm finger grizzly, 38, 52, 70, 75 mm, plate grizzly	1.5" zigzag (recycling), 2.0" finger grizzly, 1.5", 2.0", 2.8", 3.0" plate grizzly



Different sizes **scalping medias available** well suitable for different environments.

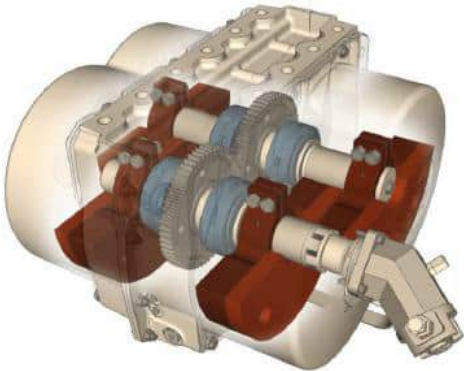
Alternative vibrating feeder (optional) for separation of sticky material



Two stage feeder with **separate scalper and feeder**. Two vibrating units with specific movement provide optimized separation of sticky material.



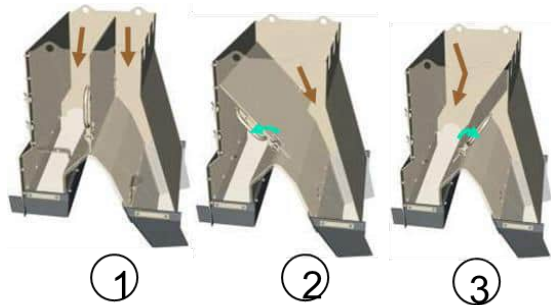
Different **scalping medias available** for different aggregate and recycling applications (eg. zig zag).



Counter-balance weighted gear with casted, heavy duty hydraulic driven **V1150 vibration mechanism** with oil bath lubrication

Pan feeder + Grizzly scalper	Metric	Imperial
Type	Solid bottom + Grizzly cassettes	Solid bottom + Grizzly cassettes
Pan feeder		
Type	TK11-22	TK11-22
Width	1100 mm	3' 7"
Length	2200 mm	7' 3"
Vibrating machinery	V150	V150
Weight	1600 kg	3500 lbs
Grizzly scalper		
Type	TK11-20-2V	TK11-20-2V
Width	1100 mm	3' 7"
Grizzly length	2 x 800 mm	2 x 2' 7.5"
Vibrating machinery	V150	V150
Weight	2000 kg	4400 lbs
Type of grizzly	Two stage grizzly	Two stage grizzly
Grizzly cassette options	38 mm zigzag (recycling), 52 mm finger grizzly, 38, 52, 70, 75 mm, plate grizzly	1.5" zigzag (recycling), 2.0" finger grizzly, 1.5", 2.0", 2.8", 3.0" plate grizzly

Bypass chutes and side conveyor (optional) to separate scalped material



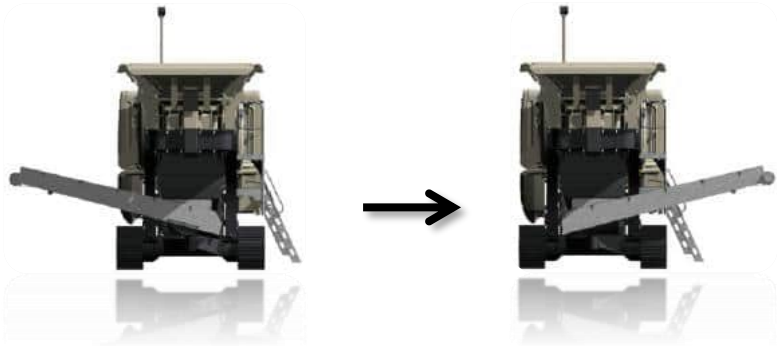
Bypass chute of **wear resistant steel** to divert scalped material:

- 1. Scalpings screened with **screen deck (option)**: fines to **side conveyor** and oversize to **main conveyor**
- 2. Scalpings directed all to **side conveyor**
- 3. Scalpings directed all to **main conveyor**

Side Conveyor - option	Metric	Imperial
Belt Width	500 mm	20"
Belt speed	4,1 – 4,7 m/s	13.5 – 15.5 ft/s
Belt quality	EP400/3-3/1	EP400/3-3/1
Length c/c	7 m	23'
Discharge height	1500 mm	4' 11"
Drive	hydraulic	hydraulic



High quality **conveyor belts** offer long lasting performance.
4,1 – 4,7 m/s belt speed for **increased stockpile capacity**.



Type H5-4 hydraulically driven belt conveyor that **can be rotated 180 degrees** from side to side to make discharge of **undersized or unwanted material** easy.

Robust C106 jaw crusher with high capacity crushing



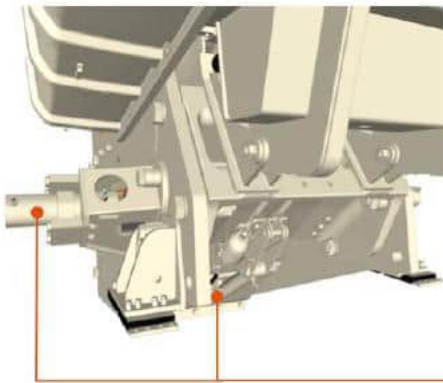
LT106 has **largest stroke in its class, excellent reduction rate, and kinematics** that provides excellent capacity during crushing. **Large variance of setting c.s.s** enables flexibility for producing different end products.

C106 is well suited also for hard applications due to **robust bolted design with no welded parts**.



Swinging motion for cavity clearance enables easy and safe maintenance in case of blockage. Lots of **advanced features** as a standard and as an options (hydraulic setting adjustments, active setting control, material level control) that guarantee high capacity and durability.

Jaw crusher	Metric	Imperial
Type	C106	C106
Feed opening	1060 x 700 mm	3' 6" x 2' 4"
Crusher Drive	Hydraulic	Hydraulic
Design	Bolted	Bolted
Default rotation speed	280 rpm	280 rpm
Setting c.s.s	70-200 mm (hard rock), 25-190 mm (recycling)	2,8"- 7,9" (hard rock), 1,0"-7,5" (recycling)
Hydraulic setting adjustment	Standard	Standard
Active setting control	Option	Option
Automatic lubrication unit	Option	Option
Material level control	Standard	Standard
Swinging motion	Standard	Standard
Type	C106	C106

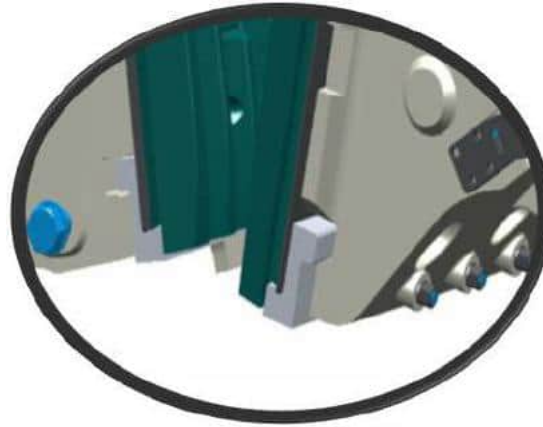


Hydraulic setting adjustment allows easy, safe and regular adjustment of setting.

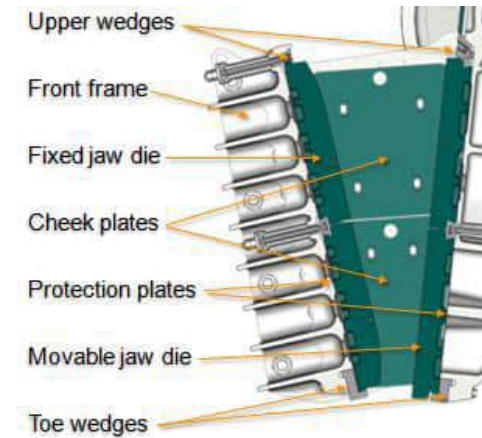
C106 jaw options and maintenance features



Standard or quarry jaw. One or two piece jaw die options.



Replaceable top and toe wedges.

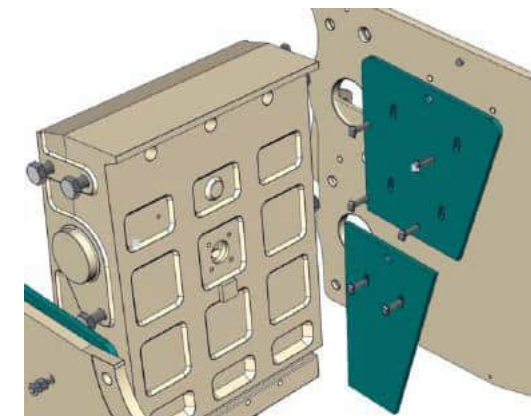


Protection plates under the jaw.



Special jaw die lifting tool

Removable platform for safe and easy jaw cavity maintenance .



Cheek plates are easy to renew.

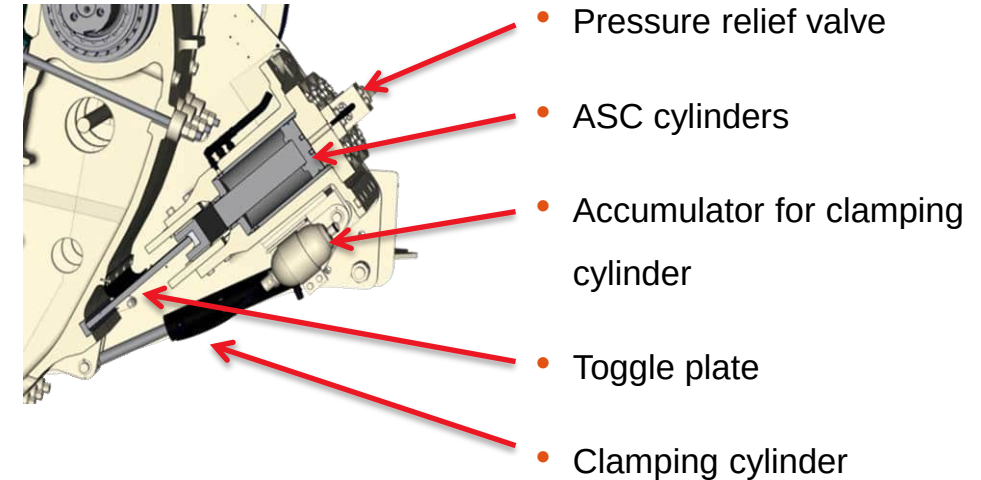
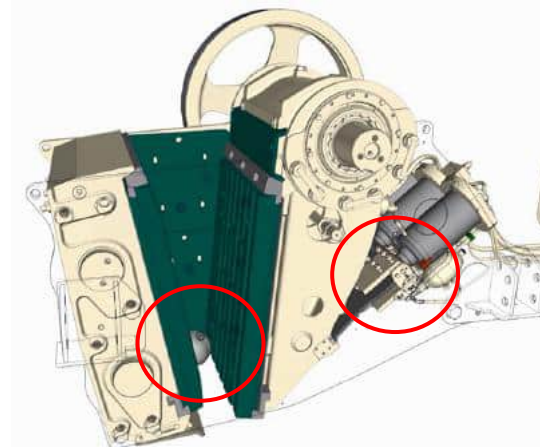
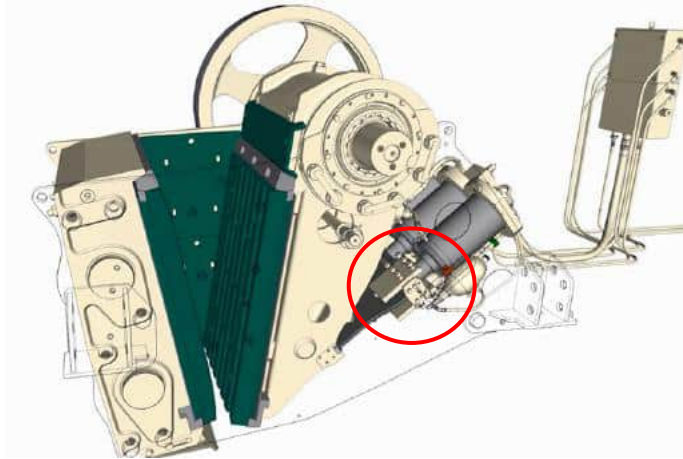
LT106 wear parts change platform for easier maintenance



Platform for **safe and easy jaw die change**:

- **Side wedges** are easily reachable and **lifting tools** practical to use when using **steady platform**
- **No risk** of falling inside the crusher
- **Light aluminum structure** for easy handling.

Active setting control (option) for preventing damage



- In overload situations, crushing force increases and creates pressure to the **ASC cylinders**
- Cylinders push in and thus **enables passing of the uncrushable object**
- Cylinders return **to the original state** after overload situation
- Prevents **crusher damage**
- Useful in **slag, recycling and other applications** that include uncrushable material

Durable main conveyor with high capacity



Type H10-11 main conveyor as a standard with **hydraulic driven belt conveyor**.
Option for type H10-14 **main conveyor** that enables larger stockpile capacity and Lokotrack combinations. High **discharge height and speed** (2.4 m/s) guarantees high stockpile capacity.

Main Conveyor	Metric	Imperial
Type (standard/extended)	H10-11 / H10-14	H10-11 / H10-14
Belt width	1000 mm	39"
Belt length (standard/extended)	11 m / 14 m	36' 2" / 45' 11"
Discharge height (standard/extended)	2800 mm / 3900 mm	9' 2" / 12' 10"
Belt speed	2.4 m/s	7.9 ft/s
Drive	hydraulic	hydraulic
Dust encapsulation	Option	Option



Conveyors equipped with **stop buttons** and **wires** for advanced safety.



Steel enforced main conveyor belt with 3 plies (3 textile reinforcements) provides durability.

Screen unit with LT106S



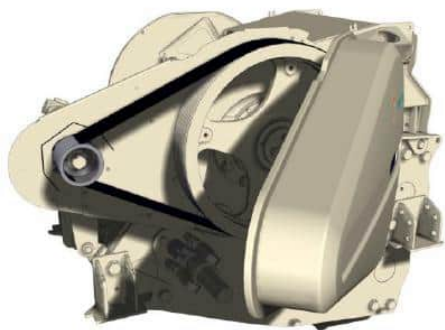
Screen unit with robust design **for separating the end-product into two separate piles.** The screen module is **mechanically connected** into the Lokotrack frame by means of additional bolted frame extensions and locking pins. Module operations are powered by the **Lokotrack hydraulics.**

Screen module	Metric	Imperial
Screen	TK11-30S	TK11-30S
Conveyor (oversize)	H8-8	H8-8
Conveyor (undersize)	H8-5	H8-5
Width x length	1100 x 3000 mm	3' 7" x 9' 10"
Screening area	3,3 m²	3,9 yd²

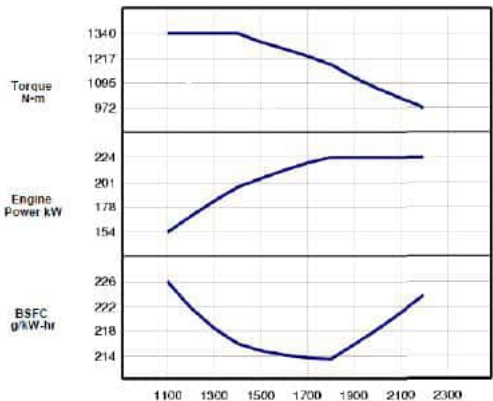
Power unit provides excellent fuel economy



Caterpillar C9/C7.1 is well suitable engine for **demanding applications**. Proven CAT engine provides 225 kW of power and has a global support network.



Due to the optimized power unit and advanced Stage V engine, LT106 consumes **less fuel (17-22 l/h)**, provides **cost savings**, and is an **environmentally conscious choice**.



Fuel consumption is minimized by using flywheels of **high inertia** and **optimal rpm (1600 rpm)**.

High flywheel inertia means fewer power peaks and lower fuel consumption.

Optimized hydraulic circuit for efficient fuel consumption due to the optimized design of hydraulic tank (which requires less hydraulic fuel) and high-quality filters.

	Metric	Imperial
Diesel engine – alternatives		
• Cat C9 – Tier 3	224 kW	300 hp
• Cat C7.1 – Tier 4F/ Stage V	224 kW	300 hp
Engine speed	1600 rpm	1600 rpm
Power transmission	hydraulic	hydraulic
Fuel tank volume	630 l	166 gal
Exh. fluid tank - Tier4F/StageV	33 l	8,7 gal

Engine maintenance



Large capacity **air filter** with replaceable main and safety cartridge, and pre-cleaner enabling long service interval. Contains **filter blockage indicator**.



Easy access for engine maintenance due to **open design**. All necessary **service points** easy and safe to reach.

Well protected electric equipment



All cabinets have **sealings** against dust and moisture.



IC control system is located within **separate cabinet** and has **robust mounting** for reduced vibration.



Wires are **coded** for easy identification. Durable and heat **resistant cables** are used.

Intelligent crushing helps to maximize the potential of your equipment



Metso Metrics

Connect to digital services and **plan ahead** of the problems.



Remote IC

Better visibility and remote control improves safety and helps to **avoid process stops**.



IC790C

Assists using the machine in the right way; and helps to **avoid costly mistakes**.

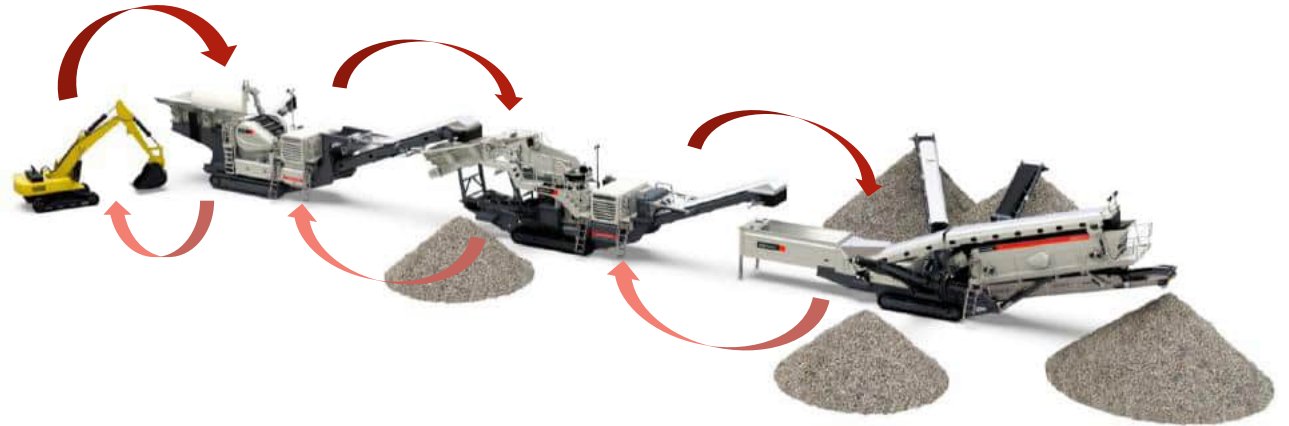
Process control options

Remote radio control



Remote radio control (option) enables the remote control of following functions: rpm adjustment of diesel engine, LT movements (tracks), LT process control (feeder), and remote stop switch.

Interlocking cable



Interlocking cable (option) enable connecting separate Lokotrack units to one sequential process. Alternatively, the cable can be replaced by **wireless remote IC control**. Individual units can be controlled with **radio remote control** for process and track drive.

Remote IC

Process control app for Lokotrack

Operator can **view** and **control** all the machines in the train in one dashboard

Safer to operate
Less stepping out of excavator



Many viewers, one in control



Higher productivity
With lower overflow risk the process can be run closer to the maximum capacity

Wireless interlocking

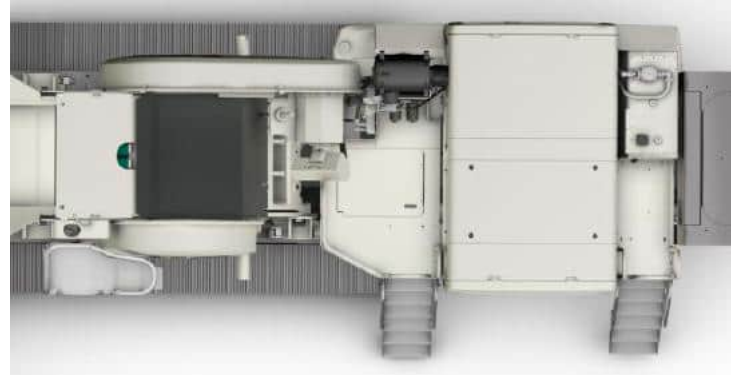
Designed for easy maintenance



Large capacity **air filter** with replaceable main and safety cartridge, and pre-cleaner enabling long service interval. Contains **filter blockage indicator**.



High reliability due to **hydraulic drive** that ensures trouble-free operation and enabling crusher direction **change in case of blockage**.



Large platforms for easy and safe access to **all service locations**.



Composite technology used in covers makes them durable and lighter for **easy maintenance**.



Lokotrack **open chassis design** and component layout ensures ease of maintenance.



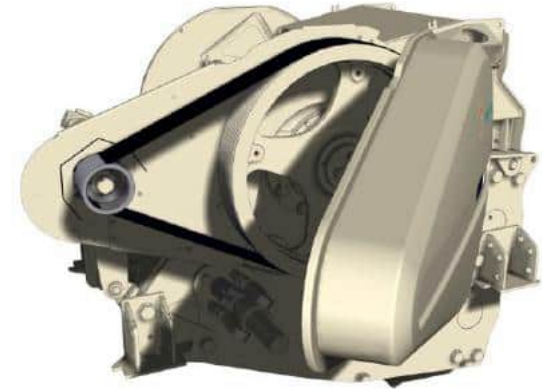
Crusher's wear parts **change platform** for easier maintenance.

Uncompromized safety and environmentally conscious choice



Proper stairs and platforms create **safe working environment**.

Due to the **optimized power unit and advanced Stage V engine**, LT106 consumes less fuel (17-22 l/h) and fulfills the latest environmental regulations.



Several **emergency buttons** and **wires** on all conveyors and **safety switches**



Feed hopper side wedges can be hydraulically secured **from the ground level**.



IC control unit provides a **safe and easy way of operation**.

Capacity & process options



Overband magnetic separator on main conveyor having stainless steel discharge chutes. Separates ferrous objects from the crushed material and transfers those to a separate pile beside the machine.



Extended main conveyor enables increased stockpile capacity and easy adaptability to Lokotrack combinations.



The hydraulic hammer can be installed to the Lokotrack to break the oversize material in the crusher cavity. It is a safe and quick way to clear and prevent blockages during crushing.



Side conveyor consisting of high quality conveyor belt. 1600 mm discharge height for increased stockpile capacity.

Rock breaker	Metric	Imperial
Boom type	Metso MB302	Metso MB302
Hammer type	Metso MH410	Metso MH410
Impact energy	444 J	327 ft lbs
Impact rate	570-1650 1/min	570-1650 1/min
Control	Radio	Radio

Magnet	Metric	Imperial
Type	Eriez CP20/100	Eriez CP20/100
Belt width	900 mm	36"
Belt length	1675 mm	66"



Feed hopper extensions to add more capacity and enable wheel loader feed.

Safety & environment options



High pressure water spraying system for binding dust particles. Nozzles located on main conveyor and crusher's feed hopper.



Dust encapsulation includes aluminum sheet covers of conveyors for improved dust control.



Aluminum discharge hood with hanging rubber for conveyors. Discharge hood reduces dust from the conveyor discharge point.



Alternative vibrating feeder with scalper and feeder. Two vibrating units with specific movement provide optimized separation of sticky material.

LT106 features & options

Large variety of options enable **flexibility** for different applications.

Standard features

- Hydraulic folding - feed hopper walls
- Hydraulic setting adjustment
- Material level control
- Setting sensor
- Belt protection plate
- Jaw maintenance platform
- Working lights
- Service lights
- Metso Metrics

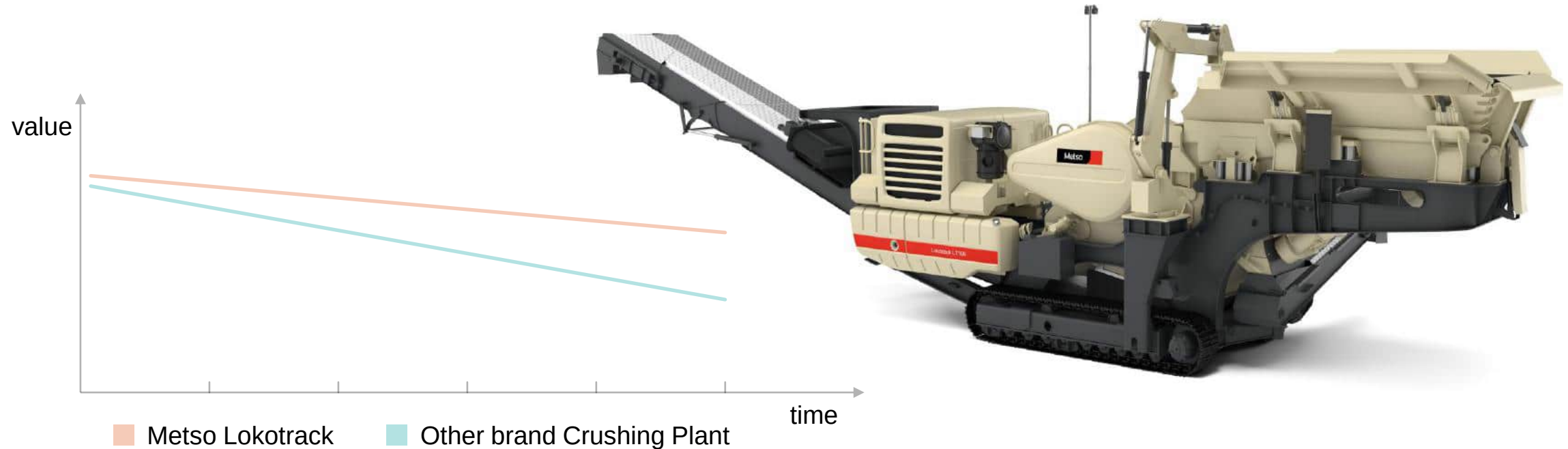
Selectable features

Plate grizzly	38 / 52 / 70 / 75 mm
Screen mesh	22 / 35 mm
Jaw liners	Standard / quarry - 1 or 2 piece
Diesel engine brand	Cat
Emission class	Tier3 / Tier4F/ StageV
Climate kit	cold, standard, hot

Options

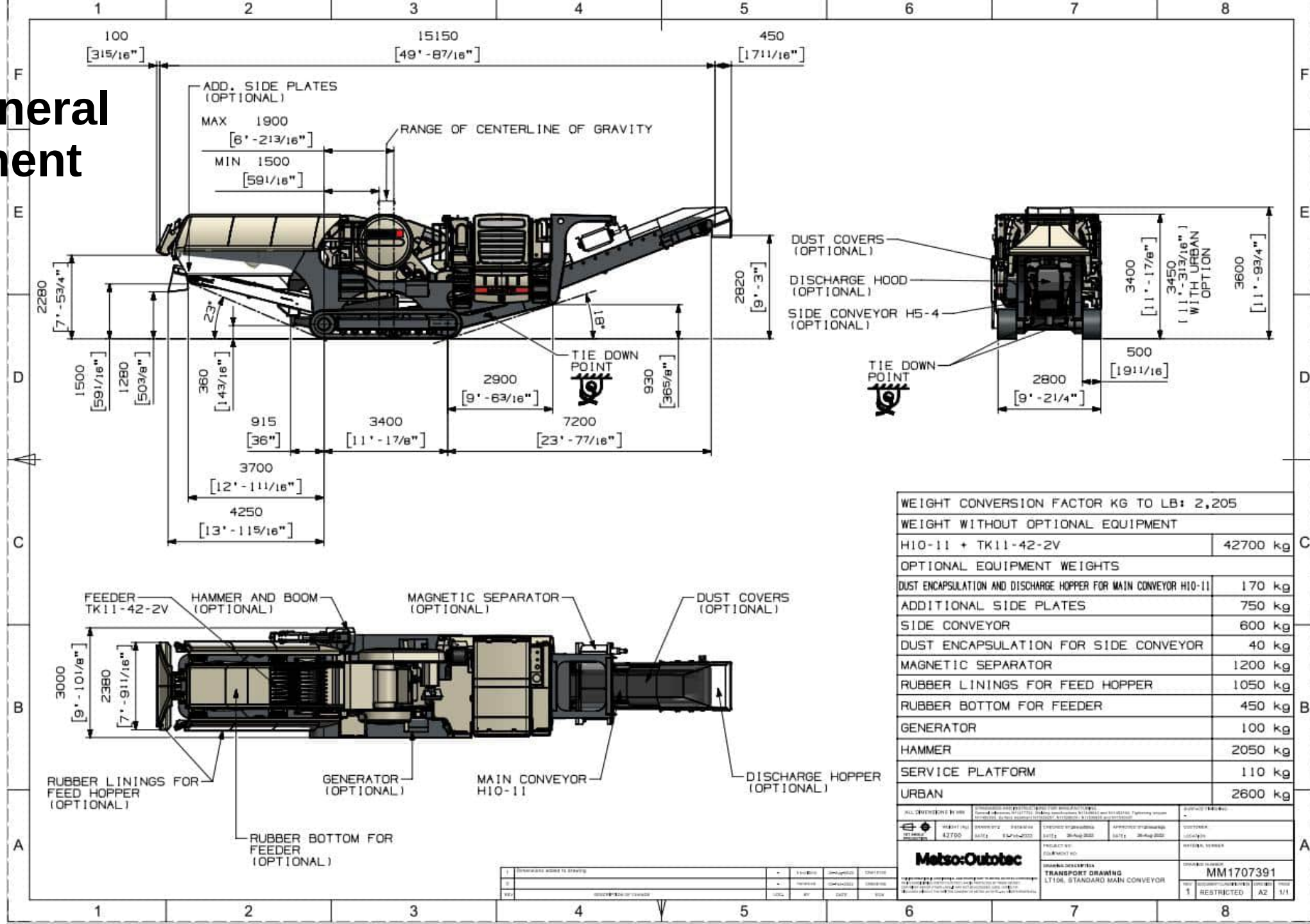
- Feed hopper extensions
- Rubber lining - feed hopper
- Rubber lining - feeder bottom
- Rubber cover over screen mesh
- Rock breaker
- Side conveyor
- Dust encapsulation and hood– side conveyor
- Active setting control
- Automatic lubrication of bearings
- Extended main conveyor
- Magnetic separator
- Dust encapsulation – main conveyor
- Discharge hood – main conveyor
- Screen module
- Hydraulic oil by-pass filter
- Hydraulic oil heater
- Pre-heater – diesel engine – fuel
- Pre-heater – hydraulic oil – 230 V
- Water Spraying System
- Fuel filling pump
- Hydraulic generator 10 kVA
- Interlocking cable
- ICr System
- Remote radio control
- Service kit
- Safety package
- Additional service platform
- Filter cartridge kit

Lokotrack® high re-sale value makes it a safe investment



Keeping its value through the years of operation due to **quality components**, Metso Outotec's **brand value**, protected **high value parts** and **global secondhand market**.

LT106 general arrangement standard



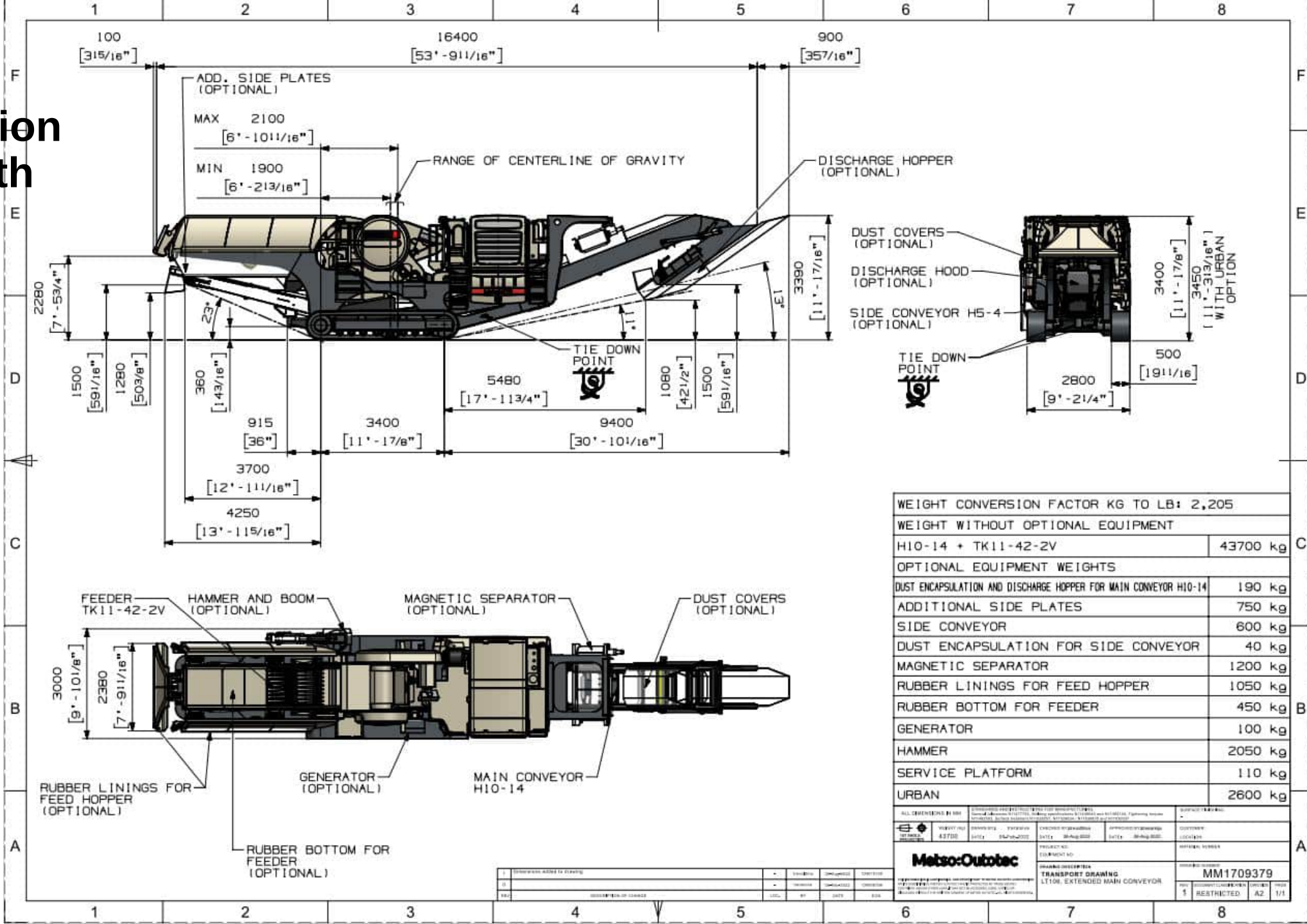
LT106

transportation

drawing with

extended

conveyor



Metso

Lokotrack® LT106 Applications

NOTE:

The following application examples may show obsolete LT models or non standard features, which are currently not available



LT106 - Finland

LT106 + LT200HP

Feed material

Asphalt

End product

0/32 mm (0/1.3")

Capacity

200 tph (220 st/h)



LT106 - Finland



LT106 + LT1100

Feed material

Granite

Feed size

0/500 mm (0/3.1")

End products

0/8 mm, 0/16 mm, 0/32 mm, 0/56 mm

End products

0/0.08", 0.1/0.3", 0.3/0.6"

Capacity (process)

150-200 tph (160-220 st/h)

LT106E - Austria

LT106

Feed material	Blasted materials from both tunnel heads
Feed size (LT220D)	0/600 mm (0/24")
End products	0/150 mm (0/6")
Capacity (process)	300 tph (330 st/h)

Operating in tunnels - reducing the size of the material to allow it to be lifted through the shaft to the surface



Metso

Partner for positive change



[metso.com](https://www.metso.com)

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