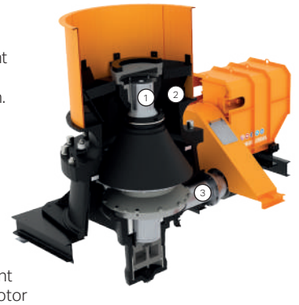
FABO®
CRUSHING SCREENING & CONCRETE BATCHING PLANTS

MCC-300
SEMI-MOBILE CONE CRUSHER



CC CONE CRUSHER

1. **Main Shaft**
   – A power transmission component connected to the main shaft that enables circular oscillating motion.
2. **Crushing Chamber**
   – The area where the crushing process takes place.
3. **Shaft**
   – A power transmission component that transfers power from the motor to the main shaft.





4. **Concave**
   – A fixed component installed in the upper frame of the crusher body.
   – Manufactured from durable, highly wear-resistant materials.
5. **Mantle**
   – A cone-shaped moving component mounted on the main shaft.
   – Manufactured for long service life and high wear resistance.

TECHNICAL SPECIFICATIONS

FEATURES	DATAS
Crusher	CC-300 Cone Crusher
Max. Feed Size	214 mm
Adjustment Type	Hydraulic
Drive	Electric Drive via V-Belts

FEATURES	DATAS
Electric Motor	292 kw

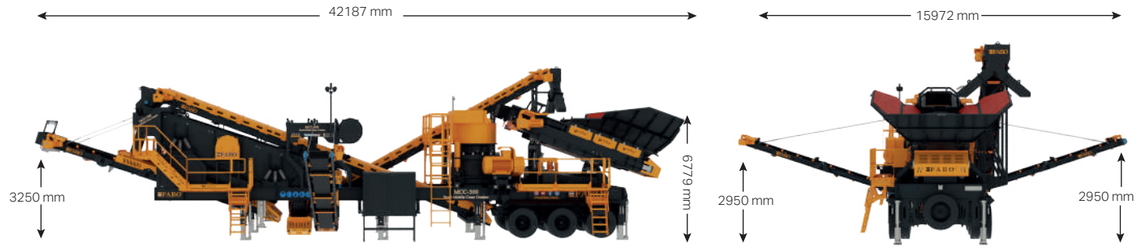
Note: All weights and dimensions apply to standard units only.

	Nominal Capacity Values According to CSS Setting (t/h)														
	6	8	10	13	16	19	22	25	29	32	35	38	41	44	48
EC	-	-	-	85	92-207	99-271	105-290	112-308	121-333	128-351	134-370	141-388	148-333	155-309	164-245
C	-	-	-	88-131	94-260	101-279	108-298	115-317	124-342	131-361	138-311	145-290	152-228	159-199	-
MC	-	-	-	85-185	100-274	107-294	114-314	122-334	131-361	139-312	146-292	153-230	161-201	-	-
M	-	-	-	90-202	97-267	104-287	111-306	118-326	128--288	135-270	142-213	149-186	-	-	-
MF	-	-	-	80-221	87-238	93-256	99-273	106-290	114-257	120-241	127-190	133-166	-	-	-
F	-	62-78	66-182	72-197	77-213	83-228	89-244	94-260	102-229	108-215	113-170	119-149	-	-	-
EF	43-117	44-121	46-125	49-134	52-129	56-112	60-91	68-81	-	-	-	-	-	-	-

TRANSFER DIMENSIONS



OPERATING DIMENSIONS



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MCC-300 SEMI-MOBILE CONE CRUSHER

PRODUCTION CAPACITY:

220-340 T/H

NEXT-GENERATION SEMI-MOBILE CONE CRUSHING TECHNOLOGY HIGH CAPACITY, PRECISION CRUSHING, SUPERIOR PERFORMANCE!

Developed with FABO Global's engineering expertise, the MCC-300 Semi-Mobile Cone Crusher delivers powerful solutions for modern crushing and screening operations with its high crushing performance, efficient production capacity, and operational flexibility. Its semi-mobile design enables easy adaptation to different working sites, enhancing operational efficiency and productivity.

Engineered to deliver effective performance across a wide range of materials, from hard and abrasive rocks to limestone, the MCC-300 combines advanced cone crushing technology with an integrated screening system to ensure consistent product quality, precise sizing, and efficient aggregate production.

Manufactured in accordance with FABO Global's commitment to quality and reliability, the MCC-300 offers a robust structure, superior performance, and long service life, providing a reliable and sustainable solution for mining and quarrying operations.

KEY FEATURES:

– Powerful and cost-effective performance
* – An automatic lubrication system is optionally available to reduce maintenance time.
* – Capable of operating at ambient temperatures of up to 40–50°C without requiring an oil change.
– The crusher unit's specially designed inlet geometry ensures optimal material feeding, while proven rotor blades deliver long-lasting high-impact performance and superior product quality.
– Transport and operating dimensions comply with European standards.
– Designed for fuel efficiency and low operating costs.

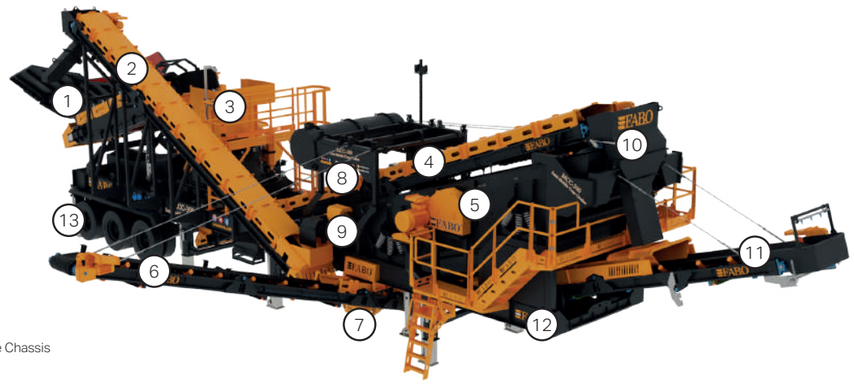
FEATURES	DATAS
Equipment:	CC Cone Crusher Vibrating Screen
Max. Feed Size:	215 mm
Transport Dimensions:	19160 mm (Length) 4548 mm (Width) 4500 mm (Height)
Weight	50000 kg

1 Apron Feeder Hopper
– 7 m³ Capacity
* – Wear-Resistant Liner Plates
– Apron Feeder: 11 kW – 30 rpm
– Belt Width: 1000 mm

2 Long Return Conveyor Belt
– Width: 500 mm
– Power: 7.5 kW – 90 rpm
* – Hydraulic Control (Optional)

3 CC Cone Crusher
– CC Cone Crusher Model
– Maximum Feed Size: 214 mm
– Hydraulically Adjustable CSS for Various Applications
– Easy Maintenance and Spare Parts Replacement

4 Screen Feed Conveyor Belt
– Width: 1000 mm
– Power: 11 kW – 90 rpm
– Ensures uniform and continuous feeding of the screen, enabling efficient material classification by size.
– Typically positioned before the vibrating screen.
* – Hydraulic Control (Optional)



5 Vibrating Screen
– Dimensions: 2200 × 5500 mm
– Motor Power: 30 kW – 1500 rpm (1 Unit)
– Triple-deck screen separates materials into different sizes.
– Screening Area: 5 m² per Deck

6 Right Stockpile Conveyor Belt
– Discharge Height: 2950 mm
– Belt Width: 500 mm
– Power: 5.5 kW – 90 rpm
* – Hydraulic Control (Optional)

7 Left Stockpile Conveyor Belt
– Discharge Height: 2950 mm
– Belt Width: 500 mm
– Power: 5.5 kW – 90 rpm
* – Hydraulic Control (Optional)

8 Control System
– Manages all main equipment through a centralized PLC-controlled panel. This system enables the operator to precisely control operating modes, equipment speeds, and positions.

9 Short Return Conveyor Belt
– Belt Width: 500 mm
– Power: 4 kW – 90 rpm

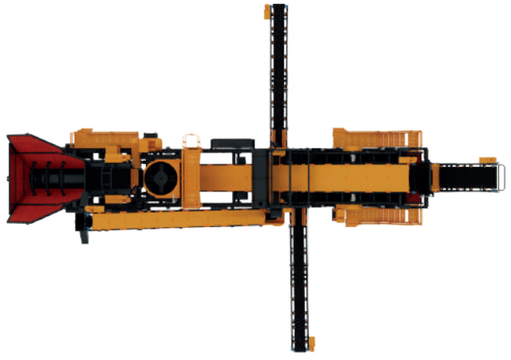
10 * Flap System (Optional)
– Hydraulic Actuation System: Included
– Protective Liners: Included
– Allows material discharged from the crusher to be transferred directly to the front stockpile conveyor, bypassing the vibrating screen.

11 Under-Screen Stockpile Conveyor Belt
– Belt Width: 1000 mm
– Discharge Height: 3250 mm
– Power: 11 kW – 90 rpm
– The under-screen stockpile conveyor enables the stockpiling of the finest material passing through the vibrating screen.
* – Hydraulic Control (Optional)

12 Chassis
– Heavy-Duty Welded Structure on the Chassis

13 Axle System
– Manufactured with a three-axle configuration.

* OPTIONAL







STANDARD FEATURES

The MCC-300 Semi-Mobile Cone Crusher combines powerful crushing technology, high production capacity, and an integrated screening system to deliver maximum efficiency, precise sizing, and uninterrupted performance in aggregate production.

The cone crusher ensures precise sizing, uniform product distribution, and high crushing efficiency when processing hard and abrasive materials.



The 2200 × 5500 mm triple-deck vibrating screen delivers high screening capacity and precise aggregate separation performance.



The user-friendly PLC control system with a color display ensures easy plant management and precise control of operational processes.



The durable three-axle chassis system ensures safe transportation and high mobility when relocating between job sites.



The 7 m³ feed hopper ensures a consistent and controlled material flow, supporting continuous and efficient production.

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