FABO
CRUSHING SCREENING & CONCRETE BATCHING PLANTS

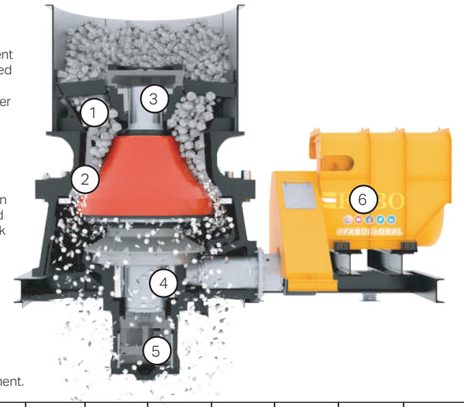
FTC-300-S

MOBILE CONE CRUSHER



CONE CRUSHER FEATURES

1. Cone crushers provide continuous and efficient crushing performance thanks to their wide feed opening. The system design safely manages intermittent material feeds and operation under empty hopper conditions.
2. The power transmitted from the motor to the gear shaft is transferred to the hub section through gears. Inside the crusher, the hub and the concave work together to crush and break down the stones.
3. Thanks to the high pivot point, a linear crushing motion is achieved, which both reduces wear and increases capacity. The use of a single bearing compatible with all stroke options simplifies spare part management.



4. By rotating or replacing the eccentric bronze bushing in the crusher, the stroke length—and therefore many of the crusher's production-related features—can be easily adjusted.
5. The cone crusher's closed side setting (CSS) can be adjusted during operation via automation, using the oil volume beneath the main shaft. This allows for real-time wear compensation and continuous optimization of the crushing process!
6. The motor transmits power to the eccentric shaft via a V-belt.

Crushing Chamber	Max. Feed Size	6	8	10	13	16	19	22	25	29	32	35	38	41	44	48
EC	215	-	-	-	85	92-207	99-271	105-290	112-308	121-333	128-351	134-370	141-388	148-333	155-309	164-245
C	175	-	-	-	88-131	94-260	101-279	108-298	115-317	124-342	131-361	138-311	145-290	152-228	159-199	-
MC	140	-	-	-	85-185	100-274	107-294	114-314	122-334	131-361	139-312	146-292	153-230	161-201	-	-
M	110	-	-	-	90-202	97-267	104-287	111-306	118-326	128-288	135-270	142-213	149-186	-	-	-
MF	85	-	-	-	80-221	87-238	93-256	99-273	106-290	114-257	120-241	127-190	133-166	-	-	-
F	70	-	62-78	66-182	72-197	77-213	83-228	89-244	94-260	102-229	108-215	113-170	119-149	-	-	-
EF	42	43-117	44-121	46-125	49-134	52-129	56-112	60-91	65-81	-	-	-	-	-	-	-

TECHNICAL SPECIFICATIONS

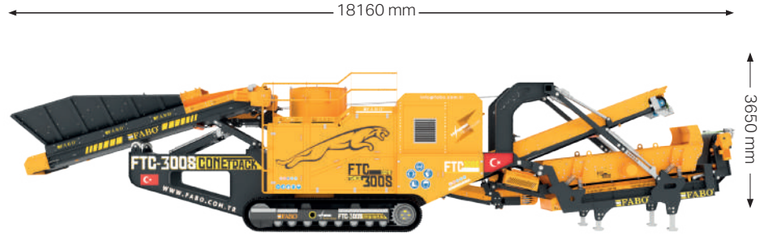
SPECIFICATIONS	DATA
Crusher	Cone Crusher
Crusher Weight	14000 kg
Max. Feed Size	215 mm
Adjustment Type	Hydraulic
Drive	Electric drive via V-belts
Output Range (CSS)	It varies depending on the type of crushing chamber.

SPECIFICATIONS	DATA
Power Unit	
Motor Power	500 - 550 Kva / 536 -589 HP
Diesel Tank Capacity	500 liter
Hydraulic Oil Tank Capacity	225 liter

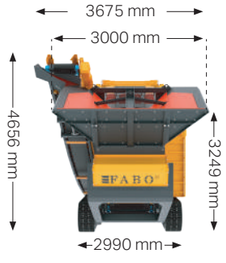
Note: All weights and dimensions apply only to standard units.

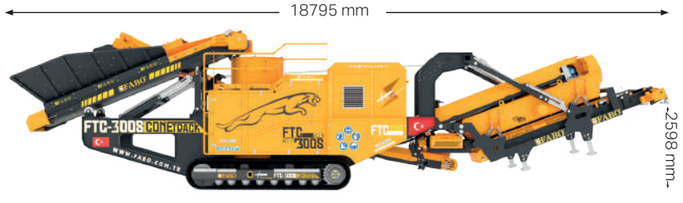
TRANSPORT DIMENSIONS





OPERATING DIMENSIONS





Weight : 51500 kg

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FTC-300-S MOBILE CONE CRUSHER

WORLD LEADING CONE CRUSHER

FTC-300-S, with its high-performance cone crusher unit, ensures effective crushing of hard stones, while its integrated screening system classifies the material into desired sizes. Its compact design, quick setup, and easy portability maximize site efficiency.

With its wide feed hopper and unique high crushing capacity, it delivers excellent particle size reduction rates along with high efficiency. The powerful cone crusher easily handles the toughest stone and mining applications, while its integrated screening system and wide under-belt clearances provide superior performance in recycling and aggregate production sectors. The main conveyor's standard hydraulic lifting and lowering feature offers users maximum flexibility and ease of use.

KEY FEATURES:

– Emission-compliant 500 - 550 kVA / 536 - 589 HP for powerful and economical performance
– Automatic centralized lubrication system to reduce maintenance time
– * Operational capability at ambient temperatures of 40-50°C without the need for oil changes
– Hydraulic opening and automatic protection systems for blockage removal and handling tough materials
– Integrated level sensor in the feed hopper automatically optimizes material flow in the cone crusher
– Transport and operational dimensions compliant with European standards
– Designed for fuel efficiency and low operating costs

PRODUCTION CAPACITY:

220-340 T/H

SPECIFICATIONS	DATA
Equipment:	Cone Crusher
Max. Feed Size:	215 mm
Transport Dimensions:	18160 mm (Length) 3550 mm (Width) 3650 mm (Height)
Weight:	51500 kg

(2) **Belt Feeder**
– High-capacity belt feeder with integrated CFS system
– CFS system controlling the feeder drive to ensure continuous and uninterrupted crushing operation

(3) **Cone crusher**
– High-performance 185 mm maximum feed size and 220 kW motor power
– Installed fill level sensor to optimize material flow to the crusher

(4) **Long return belt**
– Large materials are redirected back to the crusher to achieve the requested final product size most efficiently.
– Its design, which can move 90°, allows it to be used as a stock belt as well.

(5) **Generator**
– 500 - 550 KVA / 536 - 589 HP
– Easy access to the engine compartment for service and maintenance
– Large capacity 500-liter diesel tank
– Ability to operate with diesel or electricity

(1) **Bunker**
– 6 m^3 capacity
– * Wear-resistant liner plates

(6) **Main conveyor**
– 1000 mm wide conveyor
– Dust suppression system
– Hydraulic control system



(12) **Control system** (located on the opposite side of the machine)
– Highly efficient hydraulic and electrical system provides superior system control
– Color screen, user-friendly PLC control system for fully automatic control

(7) **Front screen**
– Efficient separation of materials with the integrated screening system.
– Front screen design that can be easily removed and installed as needed.
– * Wear-resistant liner plates (optional).

(11) **Small return belt**
– Transfers large-sized material to the long return belt.
– Can be removed from the system together with the front screen group when desired, thanks to its connection to the screening chassis.

(8) **Screen discharge conveyor**
– Enables the discharge of the final product.
– Durable construction ensures long-lasting use.

(10) **Steel piping**
– Provides a safe and maintenance-free sealing solution with better heat dissipation.

(9) **Track system**
– 500 mm wide tracks operable via remote wireless and wired control
– Radio frequency remote control

* OPTIONAL



It has a compact design with a front screen that can be easily removed and installed.



The belt that can rotate 90 degrees can be used as a return belt and also serves as a stock belt.



Durable screen sheet and replaceable screen meshes provide high resistance to vibration.

STANDARD FEATURES



Crusher fullness sensor



User-friendly PLC control system with a color display



Remote control operation



Integrated screening system

HYBRID technology

It offers diesel and electric operation with hybrid technology.



Easy access to the engine compartment.

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