FABO
CRUSHING SCREENING & CONCRETE BATCHING PLANTS

FTV-90-S -OR

MOBILE VERTICAL SHAFT IMPACT CRUSHER



VERTICAL SHAFT IMPACT CRUSHER FEATURES

1 **CRUSHER FEED HOPPER**
- Maximum Feed Size: 100 mm
- Protective Liners: Included
- Liner Type: Bolted

2 **CRUSHER ROTOR AND PENDULUM SYSTEM**
- Rotor Type: Open Rotor
- Rotor Diameter: 900 mm
- Pendulum System: Replaceable

3 **AUTOMATIC LUBRICATION SYSTEM**
- Control Panel: Timer-Controlled
- Capacity: 6 Litres
- Origin: Italy



4 **HYDRAULIC CONTROL UNIT**
- Drive Type: Hydraulic
- Pressure Gauge: Included
- Motor Power: 3 kW

5 **MOTOR**
- Motor Power: 200–250 kW / 50 Hz
- Speed: 1500 RPM
- Brand: GAMAK

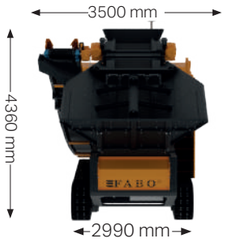
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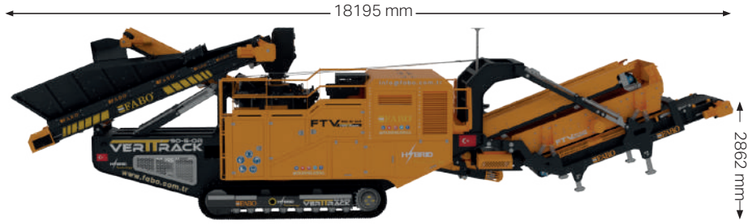
FEATURES	DATAS
Crusher	Vertical Shaft Impact Crusher
Rotor Diameter	Ø 900 mm
Max. Feed Size	100 mm
Rotor Type	Open Rotor
Protective Liner	Included
Speed	50-70 m/s
Drive	Electric Motor Driven via V-Belts

FEATURES	DATAS
Power Unit	
Motor Power	360-500 kVA
Diesel Tank Capacity	450 L
Hydraulic Oil Tank Capacity	225 L

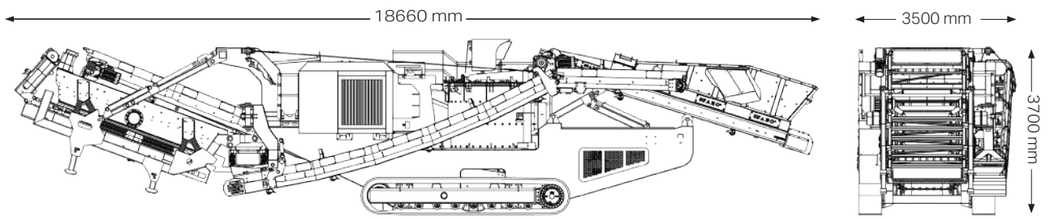
Note: All weights and dimensions are valid for standard units only.

WORKING DIMENSIONS





TRANSPORT DIMENSIONS



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FTV 90-S OR MOBILE VERTICAL SHAFT IMPACT CRUSHER

HIGH CRUSHING RATIO, EXCELLENT CUBICITY

FTV Series Mobile Vertical Shaft Impact Crushers enable the efficient crushing and shaping of hard and abrasive materials through high-speed vertical shaft impact crushing technology. With a high crushing ratio and excellent cubicity, the FTV Series offers efficient solutions for the production of aggregates, sand, and fine materials.

Thanks to its mobile design, the FTV Series can be transported quickly and easily between different job sites. Its compact structure and rapid commissioning capabilities support operational continuity. The high-capacity feeding system and powerful crusher unit ensure consistent performance even under demanding operating conditions.

With integrated screening and conveyor systems, the FTV Series enables efficient material classification and controlled stockpiling of the final product. Its adaptable design makes it suitable for a wide range of aggregate production requirements.

FEATURED FEATURES:

– Emission-compliant 360–500 kVA STAGE 5 engine for powerful and economical performance
– Automatic centralized lubrication system to reduce maintenance time
– * Operating capacity up to 40–50ºC ambient temperature without requiring oil changes
– Hydraulic opening and automatic protection systems enable blockage removal and the crushing of difficult materials
– Optimized rotor geometry in the vertical shaft impact crusher controls material flow, ensuring high efficiency and superior product shaping performance
– Transport and working dimensions compliant with European standards
– Designed for fuel efficiency and low operating costs

PRODUCTION CAPACITY:
120-220 T/H

FEATURES	DATAS
Equipment:	Vertical Shaft Impact Crusher Vibrating Screen
Max. Feed Size:	100 mm
Transport Dimensions:	18660 mm (Length) 3500 mm (Width) 3700 mm (Height)
Weight:	44500 kg

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

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

(3) **Vertical Shaft Impact Crusher**
– High-performance 100 mm maximum feed size and 360–500 kVA engine power

(4) **Long Return Conveyor**
– Oversized material is redirected back to the crusher to achieve the required final product size in the most efficient way.
– Its 90° pivoting design also allows it to be used as a stockpiling conveyor.

(5) **Generator**
– 360–500 kVA STAGE 5 emission-compliant engine
– Easy access to the engine compartment for service and maintenance
– Large-capacity 450-litre diesel tank
– Diesel or electric operation capability

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



(7) **Pre-Screen**
– 1500 × 3200 mm screen dimensions
– Efficient material separation with an integrated screening system
– Pre-screen design that can be easily removed and installed according to requirements
– Wear-resistant liner plates (optional)

(8) **Screen Discharge Conveyor**
– Ensures the discharge of the final product.
– Its durable construction provides long-lasting performance.

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

(10) **Small Return Conveyor**
– Enables oversized material to be transferred to the long return conveyor.
– Its system connected to the screen frame can be removed from the system together with the pre-screen unit when required.

(11) **Control System** (On the other side of the machine)
– Highly efficient hydraulic and electrical system provides superior system control
– User-friendly PLC control system with color display for fully automatic control

* OPTIONAL



It features a compact design with a removable pre-screen.



The 90-degree pivoting conveyor can be used as a return conveyor or a stockpiling conveyor.



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

STANDARD FEATURES



Integrated Screening System



User-friendly PLC control system with color display



Remote Control Operation



Provides high mobility and operational flexibility in challenging terrain conditions with a dual-speed track drive system.

HYBRID technology

Hybrid technology offers both diesel and electric operation.



Developed for the production of high-cubicity aggregates and high-quality sand.

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