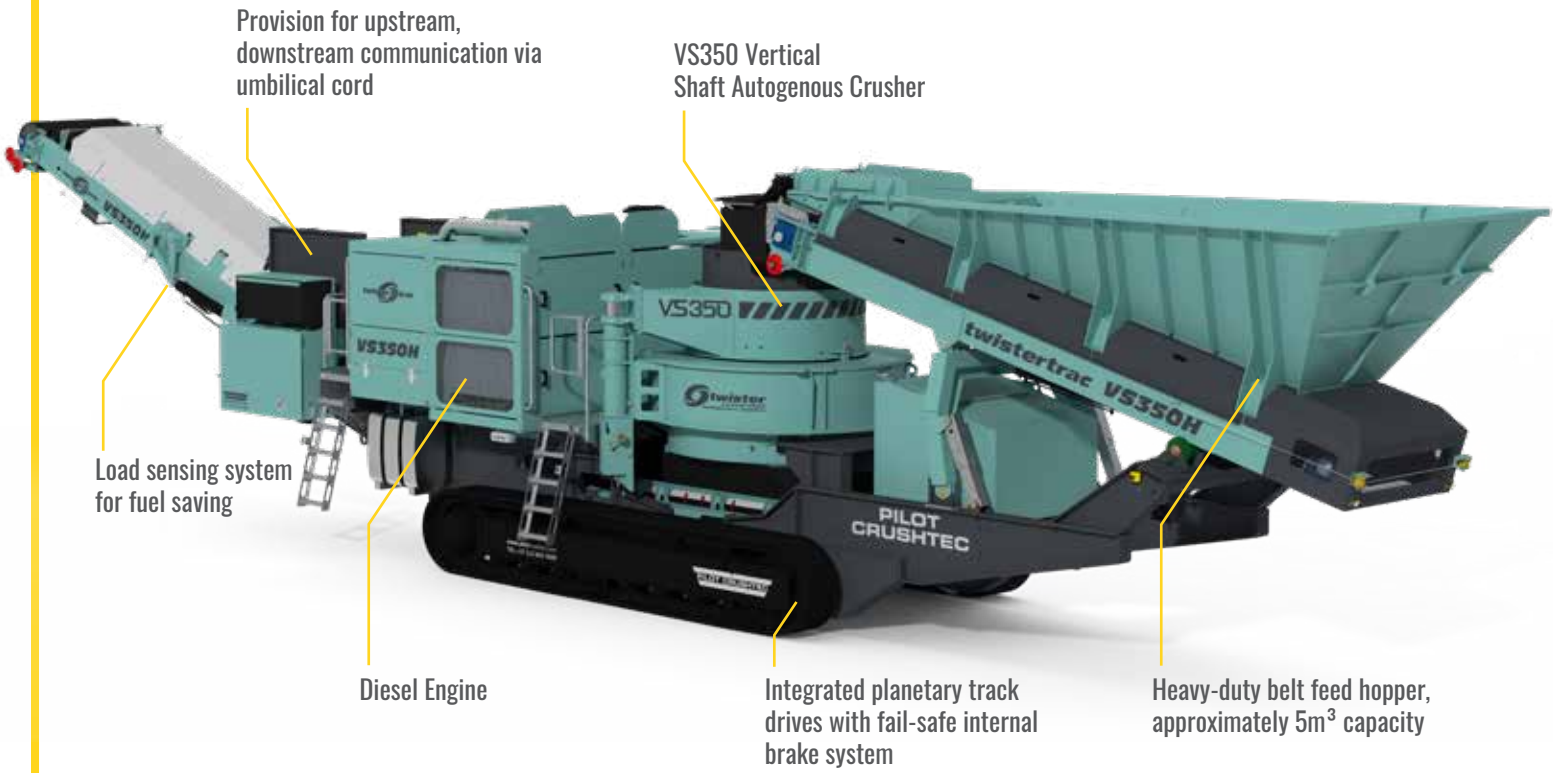
SPECIFICATION SHEET

TWISTERTRAC® VS350H
MOBILE VERTICAL SHAFT AUTOGENOUS CRUSHER



The Twister Vertical Shaft Autogenous Crusher is a leader in rock-on-rock vertical shaft crushing technology.

The Twister VS350 is ideal for use in construction, quarrying, mining and recycling industries for producing high quality cubically shaped aggregate, industrial sand, fines in mineral processing, recycling of building materials and recycling of glass.

The Twister VS350 uses a modular rotor mounted on a vertical shaft to provide the centrifugal force which starts the reduction process. Material fed into the crusher is centralised before entering the spinning modular rotor. The rotor then accelerates the stone to velocities up to 80 metres per second and continually discharges this accelerated rock in a rock-on-rock filled chamber. The rock collides with other rock already in the crushing chamber and on the rock wall and fractures along natural faults throughout the rocks or minerals. These continuous collision provide the crushing action within the chamber resulting in a consistently cubical, high first-pass product yield and produces fines in a balanced particle size distribution.

The use of autogenous rock-on-rock crushing principles reduces metal crushing parts and reduces wear costs to minimum levels. The TwisterTrac VS350H is a world class mobile vertical shaft autogenous crusher solution which is efficient, cost effective, reliable, proven and robust.

PRODUCT NAME:	TwisterTrac VS350H
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PILOT CRUSHTEC®
More than machines, *we build trust.*

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TWISTERTRAC VS350H

TECHNICAL INFORMATION

Engine Options	Stage 2 Volvo TAD1345VE	Stage 3 Volvo TA1353VE	Stage 5 Volvo TAD1382VE	Tier 4f Volvo TAD1385VE
Power	DeepSea electronic genset monitoring and protection system Highly fuel-efficient engine Heavy-duty self-cleaning engine air intake filter system with an exhaust ejector Heavy-duty water separator in the engine fuel system Diesel tank 1200ℓ capacity with a low level warning			
Hydraulics	Load sensing system for fuel saving Suction, pressure and return line filtration, integrated with control panel fault indication system Low hydraulic oil level protection			
Machine Connectivity	Provision for upstream and downstream communication via umbilical cord Controls feed rate from primary crusher Remote engine monitoring option			
Hopper and Belt Feeder	Heavy-duty, high torque feeder drive Variable speed control proportional to crusher load for maximum productivity Hydraulic retracting feeder for crusher access and maintenance Heavy-duty belt feed hopper, approximately 5m^3 capacity Low-level drop-down rear feed flap Can be side fed by a front-end loader and rear fed by another crusher or screen Class 630/4 ply belt 5 mm top cover, 1.6 mm bottom cover Heavy-duty pre-tensioned belt scraper with replaceable scraper blades			
Site Mobility	Integrated planetary track drives with fail-safe internal brake system Mounted on crawler track system Pendant control box for tracking			
Electrical System	24v DC Electrical control system for the diesel engine Simple, intuitive control panel Critical fault information indication panel Fail-safe emergency stop circuit Fail-safe crusher housing status switch Pressurised motor control center			
Discharge Conveyor	1.2 m wide flat belting Hydraulic folding for transport 3.4m stockpile height Belt adjustment at both drive and tail end Self tensioning drive drum belt scraper Guarding on return rollers Spray bars for dust suppression Dust encapsulation			

TWISTERTRAC VS350H

TECHNICAL INFORMATION CRUSHER

TWISTER VS350	Pilot Crushtec VS350 vertical shaft impact crusher Various rotor options available, dependent on applications Heavy-duty grease lubricated bearing cartridge Hydraulic lifting of crusher housing cover and feed lid with mechanical rotation Replaceable rock box or anvil ring Jib crane for rotor removal and replacement Taper shaft rotor mount Rubber-mount crushing chamber isolation Rotor bypass system for power management in high tonnage applications

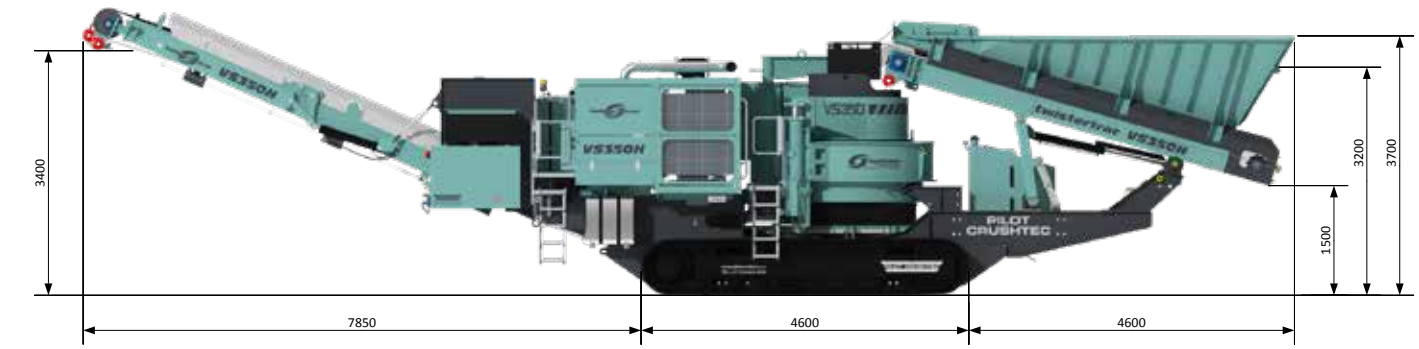
TWISTER VS350	MR10 3 Port	SP09 6 Port
Rotor Diameter	1000mm	900mm
Feed Size (Maximum Edge Length)	50mm	60mm
Feed Size (Passing Square Mesh Screen Size)	45mm	50mm
Rotor Speed Rpm	1200 - 1680	1200 - 1680
Rotor Throughput	50 - 220 tonnes/hr	50 - 280 tonnes/hr

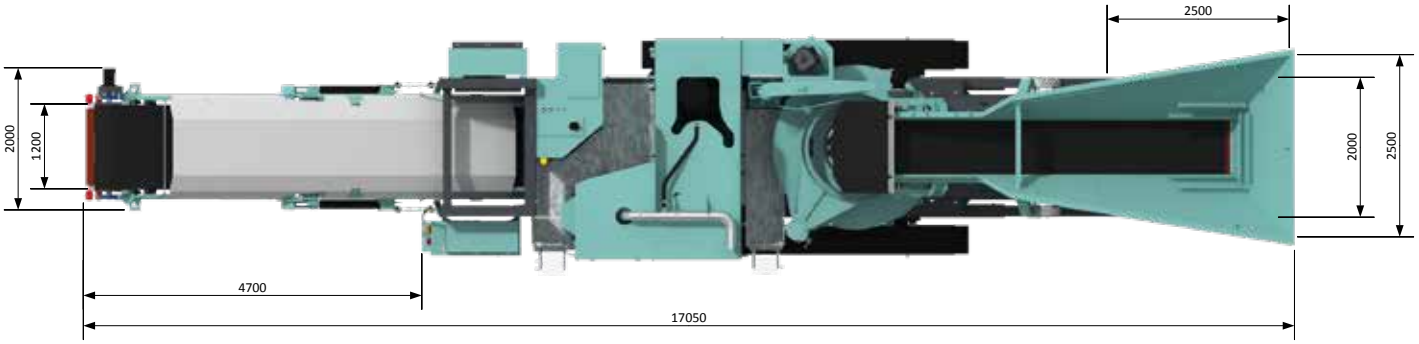
WEIGHT

Estimated	36 000kg 174 m^3 Shipping Volume

Notes:
- All tonnages indicate “through-the-rotor” capacity
- All capacities quoted are provided as an application aid only. No performance guarantees are expressed or implied
- Higher and lower capacities can be expected and will depend on many factors including:
  - Type of feed material
  - Shape of the material
  - Size and grading of feed material
  - Size and speed for rotor
- The rotor revolutions and size of the rotor will determine the speed at which the material leaves the rotor
- The higher the rotor speed, the higher the reduction value
- Maximum feed size is indicative and will depend on the type of rock, capacity and grading of the feed material
- All dimensions are provided in millimeters (mm), and weights are expressed in metric tonnes

WORKING DIMENSIONS





TRANSPORT DIMENSIONS