



SANDVIK US440i MOBILE CONE CRUSHER

TECHNICAL SPECIFICATION

The US440i is a high quality, tracked mobile cone crusher that is robust and built to last. This heavy duty workhorse has proved itself worldwide in the toughest of applications and in all climatic conditions. Purpose designed for high capacity applications, it features the CS440 crusher and an automated onboard "intelligence" system, which result in optimal performance, less downtime and better productivity.

KEY BENEFITS

Reliability	<ul style="list-style-type: none">- Built for hard and abrasive rock- Proven technology combined with Sandvik CS440 cone for strength and high performance- Rubber lined feed hopper and impact zones for longevity, as well as protection from wear and noise- Premium quality components for durability
Productivity	<ul style="list-style-type: none">- Large intake opening of 450 mm / 18" making it ideal for secondary applications where high size reduction is required- ASRi assists in optimizing throughput and end product quality, as well as protecting the crusher from "uncrushable" material- Level sensors and step less regulation of feed belt for optimized production- Onboard intelligence system integrated with ASRi for optimal performance and operating efficiency- A number of sensors at different key locations to ensure a trouble free operation and prevent costly breakdowns- Choice of several chambers, throws and settings for a wide range of applications, enabling fine tuning to your specification and improved capacity- Quick to set-up and easy to transport, resulting in more uptime and higher productivity- The unit can work as stand alone or interlocked in a "process train" with other crushing and screening units- Hanging screen available for open and closed circuit
Cost of ownership	<ul style="list-style-type: none">- Direct drive, heavy duty fluid coupling and low rpm engine for fuel-efficient operation- Quick return on investment and high resale value
Safety	<ul style="list-style-type: none">- User-friendly control system via PLC from one location and radio remote control as standard- Dust suppression and pressurised dust protection minimize dust, improving operator and onsite safety- Minimal maintenance with safe and easy access- No oil spillage during filter changes due to vacuumized hydraulic system- LED Floodlights for safe operation 24 hours a day
Support	<ul style="list-style-type: none">- Connected to Sandvik My Fleet with 7 year data subscription. Benefits include 24/7 fleet management, geo-fencing and remote operator support- Extensive global distributor network- Operational advice through our process knowledge and expertise





KEY SPECIFICATIONS	US440i
Hopper	
Width	2930 mm / 9' 7"
Length	4000 mm / 13'
Nominal capacity	6 m ³ / 7.85 yds ³
Rear loading height	3350 mm / 10' 3"
Rear loading height (door lowered)	3150 mm / 10' 3"
Feed conveyor	
Belt width	1200 mm / 47"
Drive type	Hyd - variable speed
Metal detector type	Bridge coil
Crusher	
Type	Sandvik CS440 cone
Feed opening	450 mm / 18"
CSS range	25 - 54 mm / 1" - 2" *
Chamber control	Sandvik Hydroset system (ASRi)
Speed	285 rpm
Drive	Direct drive via fluid coupling
Main conveyor	
Belt width	1400 mm / 55"
Discharge height	4050 mm / 13' 3"

KEY SPECIFICATIONS	US440i
Power pack	
Type	Volvo D13
Stage / Tier	Stage 5 / T4F / T3
Engine power	315 kW / 422 hp
Diesel tank capacity	1125 litres / 297 USG
Tank capacity	415 litres / 110 USG
Lubrication tank capacity	245 litres / 64.7 USG
Tracks	
Length (centres)	4170 mm / 13' 8"
Width (shoe)	500 mm / 20"
Drive	Hydraulic
Control	Radio / Umbilical
Transport dimensions	
Length	18.77 m / 61' 7"
Width	3.0 m / 9' 10"
Height	3.89 m / 12' 9"
Weight	53,700 kg / 118,388 lbs
Operating dimensions	
Length	17.40 m / 57'
Width	3.0 m / 9' 10"
Height	4.90 m / 16'
Performance	
Max feed size	450 mm / 18"
Capacity (up to)	600 tph / 660 stph *
Travel speed	1.2 km / h / 0.75 mph
Max Incline / side to side	20° / 10°

Note. All weights and dimensions are for standard units only

STANDARD SPECIFICATION

Rubber lined hopper
 Auto speed controlled feed conveyor
 Metal detector
 Crusher level sensor
 Pressurised cone dust protection
 ASRi cone control system
 Heavy duty main conveyor with dust covers
 24v canbus PLC control system
 Pre-heating for engine and cone lube systems
 Electric refuelling pump
 Light mast, warning beacons, panel light and tracking lights
 Radio remote control with umbilical cord as back-up
 Vacuum pump for maintenance
 Walkways and ladders
 Tool kit
 Dust suppression spray bars on crusher and main conveyor discharge
 My Fleet telematics
 Main conveyor stockpile level sensor

*For option availability please speak with your local Sandvik representative

Sandvik reserves the right to make changes to the information on this data sheet without prior notification to users. Please contact a Sandvik representative for clarification on specifications and options