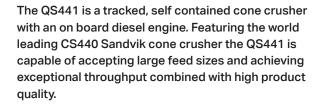


QS441 CONE CRUSHER PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION



It is equipped with a hydroset system which provides both safety and setting adjustment functions. The automatic setting regulation system not only optimizes production, it also keeps track of liner wear, thus making it easy to plan liner changes and minimize interruptions in production. The QS441 represents the perfect combination of advanced cone crusher technology and tracked mobility.

KEY BENEFITS

- The chassis is constructed from heavy duty 'l' beam to ensure maximum durability
- The machine is designed for ease of mobility, for rapid set up time and transportation
- Heavy duty, hydraulically positioned feed conveyor with wear resistant liners
- Up and over metal detector to provide ultimate cone protection from tramp metal
- Automated variable speed feed conveyor via a level

- sensor to ensure maximum production and reduction of the material
- Hydraulically driven, variable speed cooling fan for maximum efficiency and auto reverse facility to back flush dust from the radiator
- Direct drive through a PT Tech wet clutch with ten SPC drive belts to ensure maximum fuel efficiency and power delivery
- Fitted with four jacking legs to provide a level operating platform and stability
- The CS440 cone has choice of three concaves and four eccentric settings from a single bush ranging from 20 mm to 36 mm
- The concave and bush settings give unrivalled flexibility regarding CSS ranges, production and material gradation
- Maximum feed size up to 450 mm and capable of up to 600 tph on the larger bush setting
- Superb access around the crusher for easy maintenance, especially during liner changes
- Remote camera viewing the crushing chamber enables the operator to set up and ensure a choke feed on the crusher from ground level
- Hydraulic driven hydraulic and lubrication coolers to deal with the most arduous conditions
- Can operate in the most hostile environments with a 50°C ambient capability





KEY SPECIFICATIONS	QS441	KEY SPECIFICATIONS	QS441
Hopper		Main conveyor	
Nominal capacity Nominal capacity with extensions Rear loading height With rear door lowered With extensions Rear loading width Rear loading width with	6.3 m ³ / 8.25 yds ³ 10.2 m ³ / 13.3 yds ³ 3547 mm / 11' 7 ½" 3162 mm / 10' 4 ½" 3969 mm / 13' 0 ½" 2630 mm / 8' 7 ½" 3822 mm / 12' 6 ½"	Belt width Belt length Discharge height Head drum diameter Tail drum diameter Drive Motor	1200 mm / 47" 21,600 mm / 70' 10" 3739 mm 12' 3 ¼" 371 mm / 14 ½" 265 mm / 10 ½" Hydraulic 624 cc / 38.1 cu inch
extensions	3022111117 12 0 72	Tracks	
Feed conveyor		Length (centres) Width (shoe)	3715 mm / 12' 2" 500 mm / 19 ¾"
Hopper thickness Wear resistant hopper liners Belt width	1200 mm / 47" 13,150 mm / 43' 2" 22° Hydraulic variable speed 31:1 8000 Nm / 5900 lbs / ft 371 mm / 14 ½"	Drive Control	Hydraulic / Gearbox Radio / Umbilical
Belt length		Power pack	
Incline angle Drive Gearbox Torque Head drum diameter		Engine	Stage 3A / Tier 3 CAT C13 Acert / Stage 3B / Tier 4i CAT C13 Acert Stage 4 / Tier 4 Final CAT C13
Tail drum diameter Motor Metal detector type	265 mm / 10 ½" 82.6 cc / 5.04 cu inch Bridge coil	Engine power Diesel tank capacity Hyd tank capacity	Acert 328 kW / 440 hp 990 litres / 262 USG 990 litres / 262 USG
Crusher		Transport dimensions	
Cone Speed Feed opening CSS range Std chamber kit	Sandvik CS440 289 rpm to 305 rpm up to 450 mm / 17 ¾" 25 mm - 51mm / 1"- 2" Medium coarse	Length Width Height	17.47 m / 57' 4" 2.95 m / 9' 8 ½" 4.0 m / 13' 1 ½"
Std bush settings Drive	20, 25, 30*, 36 / 34, 1, 1 1/4*, 1 1/2 PT Tech 14" wet Clutch with PTO	Operating dimensions	
Drive belts Crusher weight	10 off SPC Single belts 19,300 kg / 42,549 lbs	Length Width	16.78 m / 55' ½" 3.32 m / 10' 10 ½" 5.05 m / 16' 7"
Lubrication tank		Height Standard weight	55,753 kg / 122,914 lbs
Capacity Fixed displacement flow meter Hyd driven oil cooler	250 litres / 66 USG Yes Yes	Performance	
		Max feed size Capacity (up to) Travel speed Max incline / Side to side	450 mm / 17 ¾" 600 tph / 661 stph 0 - 1.3 km/h / 0 - 0.8 mph 20° / 10°

OPTIONS

Coarse and extra coarse chamber kit

Hydraulic folding hopper extensions for rear loading Central autolube (all bearings)

Arctic package -20°C (-4°F) (32 grade hydraulic oil, engine oil and 100 grade lubrication oil)

Arctic package -30°C (-22°F) (Arctic hydraulic oil, engine oil, 100 grade lubrication oil and webasto coolant heater)

Tropical package (220 grade lubrication oil for + 30°C ambient) Main conveyor level sensor (stockpile monitor)

Lighting mast and cabinet lights

Tool box and contents

Remote diesel pump (electric)

Pull stop cords on the main conveyor
Water pump (hydraulic)
Overband magnet
Engine filter kit 250 - hours (for 3A engines only)
Plant and engine filter kit - 500 hours
Intelligent line multi - machine communication

Head drum guard on the main conveyor only

Note. All weights and dimensions are for standard units only

Main conveyor underguards, head drum guard and additional side and rear guards (blue chip guarding)

Radio remote control

