



QS441 CONE CRUSHER PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

The QS441 is a tracked, self contained cone crusher with an on board diesel engine. Featuring the world leading CS440 Sandvik cone crusher the QS441 is capable of accepting large feed sizes and achieving exceptional throughput combined with high product quality.

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 'I' 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
Hopper	
Nominal capacity	6.3 m ³ / 8.25 yds ³
Nominal capacity with extensions	10.2 m ³ / 13.3 yds ³
Rear loading height	3547 mm / 11' 7 1/2"
With rear door lowered	3162 mm / 10' 4 1/2"
With extensions	3969 mm / 13' 0 1/2"
Rear loading width	2630 mm / 8' 7 1/2"
Rear loading width with extensions	3822 mm / 12' 6 1/2"
Feed conveyor	
Hopper thickness	10 mm / 3/8"
Wear resistant hopper liners	10 mm / 3/8"
Belt width	1200 mm / 47"
Belt length	13,150 mm / 43' 2"
Incline angle	22°
Drive	Hydraulic variable speed
Gearbox	31:1
Torque	8000 Nm / 5900 lbs / ft
Head drum diameter	371 mm / 14 1/2"
Tail drum diameter	265 mm / 10 1/2"
Motor	82.6 cc / 5.04 cu inch
Metal detector type	Bridge coil
Crusher	
Cone	Sandvik CS440
Speed	289 rpm to 305 rpm
Feed opening	up to 450 mm / 17 3/4"
CSS range	25 mm - 51mm / 1" - 2"
Std chamber kit	Medium coarse
Std bush settings	20, 25, 30*, 36 / 3/4, 1, 1 1/4*, 1 1/2
Drive	PT Tech 14" wet Clutch with PTO
Drive belts	10 off SPC Single belts
Crusher weight	19,300 kg / 42,549 lbs
Lubrication tank	
Capacity	250 litres / 66 USG
Fixed displacement flow meter	Yes
Hyd driven oil cooler	Yes

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)

KEY SPECIFICATIONS	QS441
Main conveyor	
Belt width	1200 mm / 47"
Belt length	21,600 mm / 70' 10"
Discharge height	3739 mm 12' 3 1/4"
Head drum diameter	371 mm / 14 1/2"
Tail drum diameter	265 mm / 10 1/2"
Drive	Hydraulic
Motor	624 cc / 38.1 cu inch
Tracks	
Length (centres)	3715 mm / 12' 2"
Width (shoe)	500 mm / 19 3/4"
Drive	Hydraulic / Gearbox
Control	Radio / Umbilical
Power pack	
Engine	Stage 3A / Tier 3 CAT C13 Acert / Stage 3B / Tier 4i CAT C13 Acert Stage 4 / Tier 4 Final CAT C13 Acert
Engine power	328 kW / 440 hp
Diesel tank capacity	990 litres / 262 USG
Hyd tank capacity	990 litres / 262 USG
Transport dimensions	
Length	17.47 m / 57' 4"
Width	2.95 m / 9' 8 1/2"
Height	4.0 m / 13' 1 1/2"
Operating dimensions	
Length	16.78 m / 55' 1/2"
Width	3.32 m / 10' 10 1/2"
Height	5.05 m / 16' 7"
Standard weight	55,753 kg / 122,914 lbs
Performance	
Max feed size	450 mm / 17 3/4"
Capacity (up to)	600 tph / 661 stph
Travel speed	0 - 1.3 km/h / 0 - 0.8 mph
Max incline / Side to side	20° / 10°

Note. All weights and dimensions are for standard units only

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