

# SANDVIK

## QS332 CONE CRUSHER PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

**The QS332 is a compact, self contained mobile cone crusher with an onboard diesel engine. Featuring the Sandvik CS430 gyratory cone crusher the QS332 is capable of accepting large feed sizes and achieving high production capacities.**

The advanced CS430 cone is equipped with a hydroset CSS regulation system that provides overload protection, optimizes production and keeps track of liner wear. The unit is also fitted with an automatic level sensor above the crushing chamber to control the feed rate and minimize operator intervention for maximum production and reduction. The machine is designed for rapid set up time and transportation.

### KEY BENEFITS

- New chassis design constructed from heavy duty 'I' beam to ensure maximum durability.
- 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.
- Direct drive through a heavy duty wet clutch with eight SPC drive belts to ensure maximum fuel efficiency and power delivery.

- Hydraulically driven, variable speed cooling fan for maximum efficiency and auto reverse facility to back flush dust from the radiator.
- CS430 cone has choice of three concaves and four bush settings from 16-30mm using a single bush.
- The concave and bush settings give unrivalled flexibility regarding CSS ranges, production and material gradation.
- Maximum feed size up to 360 mm and capable of up to 344 tph on the larger bush setting.
- Can operate in the most hostile environments with a 50°C ambient capability with a lubrication oil change.
- 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.
- Optional double deck hanging screen available to provide a 1, 2 or 3 way split.
- The modular double deck hanging screen can be quickly detached to operate in open circuit.
- Machine is fitted with My Fleet remote monitoring system as standard, for live monitoring of plant, hours, location etc.



KEY SPECIFICATIONS	QS332
<b>Hopper</b>	
Nominal capacity	5 m <sup>3</sup> / 6.5 yds <sup>3</sup>
Nominal capacity with extensions	6.5 m <sup>3</sup> / 8.5 yds <sup>3</sup>
Rear loading height (std)	3455 mm / 11' 4"
Rear loading width (std)	2275 mm / 7' 5 3/4"
Rear loading width with extensions	3600 mm / 11' 9 3/4"
Rear loading height with extensions	3815 mm / 12' 6 1/4"
<b>Feed conveyor</b>	
Hopper thickness	10 mm / 3/8"
Belt width	1000 mm / 39 1/2"
Belt length	11,845 mm / 38' 10"
Incline angle	20°
Drive	Hydraulic variable speed
Gearbox	22.2:1
Torque	8850 Nm / 6527 lbs / ft
Head drum diameter	340 mm / 13 3/8"
Tail drum diameter	324 mm / 12 3/4"
Motor	130.6 cc / 7.97 Cu inch
Metal detector type	Bridge coil
<b>Crusher</b>	
Cone	Sandvik CS430
Speed	346 rpm to 366 rpm
Feed opening	up to 360 mm / 14 1/8"
CSS range	19 mm - 51 mm / 3/4" - 2"
Std chamber kit	Coarse
Std bush settings	16, 20, 25*, 30 / 5/8, 3/4, 1*, 1 1/4
Drive	PT Tech 12 Wet Clutch
Drive belts	8 off SPC Single belts
Crusher weight	12,000 kg / 26,400 lbs
<b>Lubrication tank</b>	
Capacity	250 litres / 66 USG
Fixed displacement flow meter	Yes
Hyd driven oil cooler	Yes

Note. All weights and dimensions are for standard units only

## OPTIONS

Medium coarse and extra coarse chamber kit  
Wear resistant hopper liner plates back and sides  
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)  
Tropical package (220 grade lubrication oil for +30°C ambient)  
Main conveyor level sensor (stockpile monitor)  
Lighting mast and cabinet lights  
Remote diesel pump (electric)  
Pull stop cords on the main conveyor  
Water pump (hydraulic)  
Overband magnet (Not available with HS)  
Engine filter kit 250 hours (fuel, air and oil for 3A engines only)  
Plant and engine filter kit 500 hours

KEY SPECIFICATIONS	QS332
<b>Main conveyor</b>	
Belt width	1000 mm / 39 1/2"
Belt length	21,500 mm / 70' 6 1/2"
Discharge height	3960 mm / 12' 11 3/4"
Head drum diameter	289 mm / 11 1/2"
Tail drum diameter	273 mm / 11"
Drive	Hydraulic
Motor	490 cc / 29.9 cu inch
<b>Tracks</b>	
Length (centres)	4050 mm / 13' 3 1/2"
Width (shoe)	500 mm / 19 3/4"
Drive	Hydraulic / Gearbox
Control	Radio / Umbilical
<b>Power pack</b>	
Engine	Stage 3A / Tier 3 CAT C9 Acert Stage 3A CAT C9 Acert Fixed Speed (Europe only) Stage 4 / Tier 4 Final CAT 9.3 Acert
Engine power	261 kW / 350 hp (3A and T4F) 279 kW / 374 hp (3A Fixed Speed)
Diesel tank capacity	660 litres / 174 USG
Hyd tank capacity	660 litres / 174 USG
<b>Transport dimensions</b>	
Length	15.80 m / 51' 10"
Width	2.8 m / 9' 2 1/4"
Height	3.80 m / 12' 5 1/2"
Standard weight	40,000 kg / 88,185 lbs
<b>Operating dimensions</b>	
Length	15.53 m / 50' 11' 1/4"
Width	3.12 m / 10' 2 1/2"
Height	4.77 m / 15' 7 3/4"
<b>Performance</b>	
Max feed size	360 mm / 14 1/8"
Capacity (up to)	344 tph / 379 stph
Travel speed	0-1 km/h / 0-062 mph
Max incline / Side to side	16° / 10°

Intelligent line multi machine communication  
Head drum guard on the main conveyor (not available with HS)  
Main conveyor underguards, additional side and rear guards (blue chip guarding) not available with HS  
Tool box and contents  
Radio remote control  
Heavy duty impact bed for feed conveyor  
Heavy duty side mounted dead box  
Heavy duty tough flex belt for feed conveyor  
My Fleet remote monitoring system (Premium Package)

