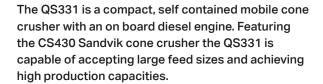


QS331 CONE CRUSHER PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION



The advanced CS430 cone is equipped with a hydroset CSS regulation system that provides overload protection, optimises 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 minimise operator intervention for maximum production and reduction.

KEY BENEFITS

- The chassis is constructed from heavy duty 'l' beam to ensure maximum durability
- Heavy duty, hydraulically positioned feed conveyor
- 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 PT Tech 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
- The machine is designed for ease of mobility, for rapid set up time and transportation
- The CS430 cone has choice of three concaves and four bush settings from a single bush ranging from 16 mm to 30 mm
- 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.



KEY SPECIFICATIONS	QS331	KEY SPECIFICATIONS	QS331
Hopper		Main conveyor	
Nominal capacity Nominal capacity with extensions	5 m³ / 6.5 yds³ 6.5 m³ / 8.5 yds³	Belt width Belt length Discharge height	1000 mm / 39 ½" 17,400 mm / 57' 1" 3065 mm 10' ¾"
Rear loading height (std) Rear loading width (std) Rear loading width with extensions Rear loading height with extensions	3455 mm / 11' 4" 2305 mm / 7' 6 34" 3600 mm / 11' 9 34"	Head drum diameter Tail drum diameter Drive	289 mm / 11 ½" 273 mm / 11" Hydraulic
	3815 mm / 12' 6 1/4"	Motor ———————————————————————————————————	490 cc / 29.9 cu inch
Feed conveyor		Length (centres) - Width (shoe)	3800 mm / 12′ 5 5%″ 500 mm / 19 3⁄4″
Hopper thickness Belt width Belt length	10 mm / %" 1000 mm / 39 ½" 11,845 mm / 38' 10" 20° Hydraulic variable speed 22.2:1 8850 Nm / 6527 lbs / ft 340 mm / 13 %" 324 mm / 12 ¾" 130.6 cc / 7.97 Cu Inch	Drive Control	Hydraulic / Gearbox Radio / Umbilical
Incline angle Drive		Power pack	
Gearbox Torque Head drum diameter Tail drum diameter Motor		Engine	Stage 3A / Tier 3 CAT C9 Acert / Stage 3B / Tier 4i CAT C9.3 Acert / Stage 4 / Tier 4 Final CAT 9.3 Acert
Metal detector type Crusher	Bridge coil	Engine power Diesel tank capacity Hyd tank capacity	261 kW / 350 hp 660 litres / 174 USG 660 litres / 174 USG
Cone			
Speed Feed opening CSS range Std chamber kit	346 rpm to 366 rpm up to 360 mm / 14 1/6 " 19 mm - 51mm / 3/4" - 2" Coarse 16, 20, 25*, 30 / 5/6, 3/4, 1*, 1 1/4 PT Tech 12" Wet Clutch 8 off SPC Single belts 12,000 kg / 26,455 lbs	Length Width Height	14.56 m / 47′ 9 ½″ 2.8 m / 9′ 2 ½″ 3.8 m / 12′ 5 ½″
Std bush settings Drive Drive belts		Operating dimensions	
Crusher weight		Length Width	13.50 m / 44′ 3 ½″ 3.14 m / 10′ 3 ½″
Lubrication tank		Height Standard weight	4.77 m / 15' 7 ³ / ₄ " 36,000 kg / 79,366 lbs
Capacity Fixed displacement flow meter Hyd driven oil cooler	250 litres / 66 USG Yes Yes	Performance	1 -,
		Max feed size Capacity (up to) Travel speed Max incline / Side to side	360 mm / 14 ½ " 344 tph / 379 stph 0-1 kph / 0-0.62 mph 16° / 10°

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 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 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

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

Tool box and contents

Radio remote control

1.75 m extended main conveyor

