QH331 HYDROCONE PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

The QH331 mobile cone crusher has been designed to meet the most exacting aggregate product quality demands through the use of the Sandvik CH430 cone crusher on a tracked chassis. Through this cone the QH331 is able to take advantage of the Sandvik developed CSC (cubical shape crushing) techniques, producing material of excellent shape and high quality.

The CH430 cone is at the heart of the QH331; this world leading piece of crushing technology 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.

KEY BENEFITS

- Direct drive through a PT Tech wet clutch with eight SPC drive belts to ensure maximum fuel efficiency and power delivery
- Greatly improved efficiency and power transfer resulting in tighter close side settings, and larger bush variations for precision crushing.

- Superb access around the crusher for easy maintenance, especially during liner changes
- The diesel and hydraulic tank are easily accessible from the front platform on the machine with inspection covers.
- Steel pipe work used extensively for superior heat dissipation, and a maintenance free sealing solution.
- For enhanced control and efficiency engine data outputs may be viewed via the colour PLC screen.
- Hydraulically driven cooling fan allows speed control producing increased efficiency, and auto reverse facility to periodically back flush any dust build up in the radiator.
- Hydroset facility incorporated into the plant hydraulic system for increased reliability and response time and reduced service requirements.
- Bridge Coil (up and over) metal detector fitted to the feed conveyor allowing improved stability and controlled detection.
- The lubrication tank has internal coupling drives, gear wheel flow meter and internal lubrication heater, and Bowman heater for rapid cold start up times.
- Remote camera viewing the crushing chamber enables the operator to ensure a choke feed without the need to access the machine.



KEY SPECIFICATIONS	QH331	KEY SPECIF
Hopper		Main convey
Nominal capacity Nominal capacity with extensions Rear loading height Rear loading height with extensions Rear loading width	5 m³ / 6.5 yds³ 6.5 m³ / 8.5 yds³ 3055 mm / 10' ¼″ 3415 mm / 11' 2 ½″ 2305 mm / 7' 6 ¾″	Belt width Belt length Discharge he Head drum d Tail drum diar Drive Motor cc
Rear loading width with extensions	3600 mm / 11' 9 ¾"	Tracks
Feed conveyor Hopper thickness	10 mm / %"	Length (cent Width (shoe) Drive
Wear resistant hopper liners Belt width	Option 1000 mm / 39 ½" 11.045 mm / 20110"	Control
Belt length Incline angle	11,845 mm / 38' 10" 20° Hydraulia ydriabla apodd	Power pack
Drive Gearbox Torque Head drum diameter Tail drum diameter Motor Metal detector type	Hydraulic variable speed 22.2:1 8850 Nm / 6527 lbs / ft 340 mm / 13 %" 324 mm / 12 %" 130.6 cc / 7.97 cu inch Bridge coil	Engine Engine powe Diesel tank c
Crusher		Hyd tank cap
Cone Speed Feed opening CSS range	Sandvik CH430 crusher 369 rpm to 390 rpm 185 mm / 7 ¼" 6 - 41 mm / ¼" - 15%"	Transport dir Length Width Height
Std chamber kit Chamber options	EC F-MF-M-MC-C	Operating dir
Std bush settings Drive Drive belts Crusher weight	22, 25*, 29 mm / ⅔, 1*, 1⅓" PT Tech 12" wet Clutch with PTO 8 SPC Single Belts 8800 kg / 19,400 lbs	Length Width Height Standard wei
Lubrication tank		Performance
Capacity Fixed displacement flow meter Hyd driven oil cooler	250 litres / 66 USG Yes Yes	Max feed size Capacity (up Travel speed Max incline / Note. All wei
OPTIONS		Note. All weig
C chamber kit MC chamber kit M chamber kit MF chamber kit F chamber kit Year resistant hopper liner plate Hydraulic folding hopper extens Pull stop cords on the main com Overband magnet (not available Central auto lube (all bearings) Water pump (hydraulic) Remote diesel pump (electric) Lighting mast and cabinet lights Main conveyor level sensor (sto	ions for rear loading veyor with HS option)	Arctic packag Grade lubrica Engine filter I only) Plant and eng Intelligent line Tool box and Head drum g option) Main convey and rear guar Radio remote 1.75 m exten

EY SPECIFICATIONS	QH331	
1ain conveyor		
elt width lelt length vischarge height lead drum diameter ail drum diameter vrive fotor cc	1000 mm / 39 ½" 17,400 mm / 57' 1" 3065 mm / 10' ¾" 289 mm / 11 ½" 273 mm / 11 " Hydraulic 490 cc / 29.9 cu inch	
racks		
ength (centres) Vidth (shoe) Irive control	3800 mm / 12' 5 %" 500 mm / 19 ¾" Hydraulic / Gearbox Radio / Umbilical	
ower pack		
ngine ngine power viesel tank capacity lyd tank capacity	Stage 3A / Tier 3 CAT C9 Acert / Stage 3B / Tier 4i CAT C9.3 Acert / Stage 4 / Tier 4 Final Cat 9.3 Acert 261 kW / 350 hp 660 litres / 174 USG 660 litres / 174 USG	
ransport dimensions		
ength /idth leight	14.56 m / 47' 9 ¼" 2.80 m / 9' 2 ¼" 3.40 m / 11' 1 ¾"	
perating dimensions		
ength √idth leight tandard weight	13.50 m / 44' 3 ½" 3.14 m / 10' 3 ½" 4.38 m / 14' 4 ¼" 32,800 kg / 72,312 lbs	
erformance		
flax feed size Gapacity (up to) ravel speed flax incline / Side to side	185 mm / 7 ¼" 220 tph / 242 stph 0 - 1 kph / 0 - 0.62 mph 16° / 10°	

eights and dimensions are for standard units only

age -30°C (-22°F) (arctic hydraulic oil, engine oil, 100 ation oil and webasto coolant heater) kit - 250 hours (fuel, air and oil filter - for 3A engines ngine filter kit - 500 hours ne multi-machine communication d contents guard on the main conveyor only (not available with HS yor underguards, head drum guard and additional side

ards (blue chip guarding) (not available with HS option) te control

1.75 m extended main conveyor



100 Grade lubrication oil)

Main conveyor level sensor (stockpile monitor)

Tropical package (220 grade lubrication oil) for +30°C ambient Arctic package -20°C (-4°F) (32 Grade hydraulic oil, engine oil and