

**SANDVIK**

# QH332 HYDROCONE PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

**The QH332 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 QH332 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 QH332; 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.
- Optional double deck hanging screen available to provide a 1,2 or 3 way split
- The entire double deck hanging screen can be quickly detached to operate in open circuit
- 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                                     |
|-------------------------------------|---|
| Hopper                              |   |
| 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                 | 3055 mm / 10' 1/4"                        |
| Rear loading height with extensions | 3415 mm / 11' 2 1/2"                      |
| Rear loading width                  | 2275 mm / 7' 5 3/4"                       |
| Rear loading width with extensions  | 3600 mm / 11' 9 3/4"                      |
| Feed conveyor                       |   |
| Hopper thickness                    | 10 mm / 3/8"                              |
| Wear resistant hopper liners        | Option                                    |
| 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                               |
| Crusher                             |   |
| Cone                                | Sandvik CH430 crusher                     |
| Speed                               | 369 rpm to 390 rpm                        |
| Feed opening                        | 185 mm / 7 1/4"                           |
| CSS range                           | 6 - 41 mm / 1/4" - 1 5/8"                 |
| Std chamber kit                     | EC  |
| Chamber options                     | F-MF-M-MC-C                               |
| Std bush settings                   | 22, 25*, 29 mm / 7/8, 1*, 1 1/8"          |
| Drive                               | PT Tech 12 wet clutch with PTO            |
| Drive belts                         | 8 SPC single belts                        |
| Crusher weight                      | 8800 kg / 19,400 lbs                      |
| Lubrication tank                    |   |
| 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

C chamber kit  
MC chamber kit  
M chamber kit  
MF chamber kit  
F chamber kit  
Wear resistant hopper liner plates back and sides  
Hydraulic folding hopper extensions for rear loading  
Pull stop cords on the main conveyor  
Overband magnet  
Central autolube (all bearings)  
Water pump (hydraulic)  
Remote diesel pump (electric)  
Lighting mast and cabinet lights  
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 100 grade lubrication oil)

| KEY SPECIFICATIONS         | QH331   |
|----------------------------|---|
| Extended main conveyor     |   |
| Belt width                 | 1000 mm / 39 1/2"   |
| Belt length                | 21,500 mm / 60' 6 1/2"  |
| Discharge height           | 3940 mm / 12' 11 1/4"   |
| Head drum diameter         | 289 mm / 11 1/2"  |
| Tail drum diameter         | 273 mm / 11"  |
| Drive                      | Hydraulic   |
| Motor cc                   | 490 cc / 29.9 cu inch   |
| Tracks                     |   |
| Length (centres)           | 4200 mm / 13' 9 3/4"  |
| Width (shoe)               | 500 mm / 19 3/4"  |
| Drive                      | Hydraulic / Gearbox   |
| Control                    | Radio / Umbilical   |
| Power pack                 |   |
| Engine                     | Stage 3A / Tier 3 CAT C9 Acert<br>Stage 3A CAT C9 Acert Fixed Speed (Europe only)<br>Stage 4 / Tier 4 Final Cat 9.3 Acert |
| Engine power               | 261 kW / 350 hp<br>279 kW / 374 hp (Fixed Speed)  |
| Diesel tank capacity       | 660 litres / 174 USG  |
| Hyd tank capacity          | 660 litres / 174 USG  |
| Transport dimensions       |   |
| Length                     | 15.82 m / 51' 10 1/2"   |
| Width                      | 2.80 m / 9' 2 1/4"  |
| Height                     | 3.40 m / 11' 1 3/4"   |
| Standard weight            | 35,400 kg / 78,044 lbs  |
| Operating dimensions       |   |
| Length                     | 15.50 m / 50' 10 1/4"   |
| Width                      | 3.12 m / 10' 2 1/2"   |
| Height                     | 4.37 m / 14' 3 3/4"   |
| Performance                |   |
| Max feed size              | 185 mm / 7 1/4"   |
| Capacity (up to)           | 220 tph / 242 stph  |
| Travel speed               | 0 - 1 kph / 0 - 0.62 mph  |
| Max incline / Side to side | 16° / 10°   |

Arctic package -30°C (-22°F) (arctic hydraulic oil, engine oil, 100 grade lubrication oil and webasto coolant heater)  
Engine filter kit 250 hours (fuel, air and oil filter for 3A engines only)  
Plant and engine filter kit 500 hours  
Intelligent line multi-machine communication  
Tool box and contents  
Head drum guard on the main conveyor only (not available with HS option)  
Main conveyor underguards, additional side and rear guards (blue chip guarding) (not available with HS option)  
Radio remote control  
Heavy duty impact bed for feed conveyor  
Heavy duty tough flex feed conveyor belt  
Heavy duty side mounted dead box  
My Fleet remote monitoring

