



QH441 HYDROCONE PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

The direct drive QH441 features the world-leading CH440 Sandvik Hydrocone of which there are thousands of installed units worldwide. Designed for minimal operator intervention, the QH441 utilizes latest technology to ensure uninterrupted productivity. Although specifically aimed at the large operator, the QH441 is engineered for ease of mobility, with a rapid set-up time.

The cone comes with a wide choice of concaves and eccentric bush settings offering customers ultimate flexibility and making the Sandvik cone crusher one of the most versatile tracked cones on the market.

KEY BENEFITS

- The chassis is constructed from a heavy duty 'I' beam to ensure maximum durability.
- Heavy duty, hydraulically positioned feed conveyor with wear resistant liners.
- Up and over metal detector to provide ultimate cone protection from tramp material.
- Automated variable speed feed conveyor to ensure maximum production, reduction and shape.
- Remote camera viewing the crushing chamber ensures full visibility without the need to access the machine.
- 13 litre diesel engine with direct drive to ensure maximum power delivery and fuel efficiency.
- The machine is designed for ease of mobility, for rapid set up time and transportation.
- The QH441 is fitted with the CH440 Sandvik cone which has a choice of six concaves and a CSS range of 8 mm to 48 mm allowing a feed size of up to 215 mm
- Capable of up to 388 TPH.
- 8 available bush settings to give an eccentric throw range from 16 mm to 44 mm.
- Capable of operating in the most hostile environments with a 50°C ambient temperature capability with just a lubrication oil change.
- This flexibility makes the Sandvik cone crusher one of the most versatile tracked machines on the market to suit the most arduous application requirements.



KEY SPECIFICATIONS	QH441
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	3490 mm / 11' 5 1/2"
Rear loading height (door lowered)	3090 mm / 10' 1 1/2"
Rear loading height with extensions	3884mm / 12' 9"
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	13150 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 CH440
Speed	327 rpm to 346 rpm
Feed opening	215 mm / 8 1/2"
CSS range	8 - 48 mm / 5/16" - 1 7/8"
Std chamber kit	EC
Chamber options	F-MF-M-MC-C
Std bush settings	32,36*,40,44 mm / 1 1/4, 1 3/8*, 1 1/2, 1 3/4"
Drive	PT Tech 14" Wet Clutch with PTO
Drive belts	10 SPC Single Belts
Crusher weight	14,300 kg / 31,526 lbs
Lubrication tank	
Capacity	250 litres / 66 USG
Fixed displacement flow meter	Yes
Hyd driven oil cooler	Yes

OPTIONS

C chamber kit
 MC chamber kit
 M chamber kit
 MF chamber kit
 F 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
 Remote diesel pump (electric)

KEY SPECIFICATIONS	QH441
Main conveyor	
Belt width	1200 mm / 47"
Belt length	21600 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 cc	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	17.21 m / 56' 5 5/8"
Width	2.95 m / 9' 8 1/2"
Height	3.8 m / 12' 5 1/2"
Standard weight	50,488 kg / 111,307 lbs
Operating dimensions	
Length	16.56 m / 54' 4"
Width	3.32 m / 10' 10 1/2"
Height	4.91 m / 16' 1"
Performance	
Maximum feed size	215 mm / 8 1/2"
Capacity (up to)	388 tph / 435 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 (not available with HS option)
 Engine filter kit - 250 hours (air and oil filters - 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, head drum guard and additional side and rear guards (blue chip guarding) (not available with HS option)
 Radio remote control