

UH320 WHEELED UNIT PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

The UH320 is an integrated mobile cone crusher and triple deck screening system. Designed to function in open or closed circuit, it features the market leading Sandvik CH430 cone crusher, which comes with a choice of mantles and settings making it suitable for a wide range of applications worldwide.

The UH320 is available in 3 types:

- Comfort: Feeder with tippable grizzly, by-pass chute and optional natural fines conveyor.
- Classic: Feeder with tippable grizzly, by-pass chute, natural fines screen and optional natural fines conveyor.
- Flex: with tippable grizzly, by-pass chute, natural fines screen and optional natural fines conveyor. Beneath the feeder and the screen the chute possesses three flaps that enable it to divide the feed material so that 33%, 66% or 100% grading can either be transported to the crusher or to the screen by separate conveyors. This makes it possible to optimise the quality, and capacity with different raw materials. Open or closed circuit operation.

KEY BENEFITS

- Radio remote controlled tipping grid
- The Screen is a Sandvik SF1843 which can produce three calibrated fractions plus one oversize and one optional natural fine separation.
- Foldable hopper extensions on feed hopper provide wider loading area.
- Includes level monitor system that regulates feeder for optimal crushing performance including ASRi.
- Onboard process with interlocking for trouble free operation.
- A foldable flap on each side can be used as a back wall for a loading ramp, and as protection against oversize stones falling from the tipping grizzly.
- Rollaway discharge chute on screen provides easy access for service and maintenance.
- All conveyors are electrically driven and hydraulically foldable for transport. Return conveyor excluded.
- Dust encapsulated crusher, main conveyor and product screen for the finest fraction.
- Transport in one piece - everything stays onboard.
- Maintenance platforms (with stepladders) around the screen, to provide easy access for service.



KEY SPECIFICATIONS	UH320 Classic Cone	UH320 Comfort cone	UH320 Flex cone
Operating Dimensions			
Height	5.20 m / 17.1'	5.20 m / 17.1'	5.20 m / 17.1'
Width	16.0 m / 52.5'	16.0 m / 52.5'	16.0 m / 52.5'
Length	22.00 m / 72.2'	22.00 m / 72.2'	22.00 m / 72.2'
Transport dimensions			
Height	4.46 m / 14.6'	4.46 m / 14.6'	4.46 m / 14.6'
Width	3.0 m / 9.8'	3.0 m / 9.8'	3.0 m / 9.8'
Length	17.70 m / 58.1'	17.70 m / 58.1'	17.70 m / 58.1'
Weight	47.5 mton / 52.2 ston	47.0 mton / 51.7 ston	48.5 mton / 53.5 ston
Feed station			
SP 0830	2 x 2,3 kW electric motor	2 x 2,3 kW electric motor	2 x 2,3 kW electric motor
NF-Screen	5 m ³	5 m ³	5 m ³
PJ 10/10	2 x 1,8 kW vibrator motors	-	2 x 1,8 kW vibrator motors
Crusher			
Type	Sandvik CH430	Sandvik CH430	Sandvik CH430
Feed opening	130 mm (C)	130 mm (C)	130 mm (C)
Drive	132 kW electric motor	132 kW electric motor	132 kW electric motor
Conveyors length / width / motor speed			
Feed con belt	10.6 m / 800 mm / 1.3 m/s (to the screen)	10.6 m / 800 mm / 1.3 m/s (to screen)	10.6 m / 800 mm / 1.3 m/s (to the screen)
Rear con	9.5 m / 800 mm / 1.25 m/s	9.5 m / 800 mm / 1.25 m/s	9.5 m / 800 mm / 1.25 m/s
3 pro con	8 m / 650 mm / 1.1 m/s	8 m / 650 mm / 1.1 m/s	8 m / 650 mm / 1.1 m/s
NF-conv. (optional)	8 m / 500 mm	-	8 m / 500 mm
Feed conv.	9 m / 650 mm (external to crusher)	9 m / 650 mm (external to crusher)	9 m / 650 mm (external to crusher)
By-pass conv.	-	-	4,7 m / 800 mm
Screen			
Product screen	SF1843	SF1843	SF1843
Motor	2 x 11 kW electric motors	2 x 11 kW electric motors	2 x 11 kW electric motors
Hydraulic system	Coarse stone grizzly: Hydraulic power pack, 400 V, 4 kW Foldable conveyors, supporting legs, retractable screen: Hydraulic power pack, 24 V / 400 V	Coarse stone grizzly: Hydraulic power pack, 400 V, 4 kW Foldable conveyors, supporting legs, retractable screen: Hydraulic power pack, 24 V / 400 V	Coarse stone grizzly: Hydraulic power pack, 400 V, 4 kW Foldable conveyors, supporting legs, retractable screen: Hydraulic power pack, 24 V / 400 V
Required power			
Generator	325 kVA 400 V	325 kVA 400 V	325 kVA 400 V
Running gear	Type: King-pin 3.5" or 2". Leaf-sprung three-axle bogie, air brakes and running lights. 6 tyres 385 / 65R / 22.5		

Note. All weights and dimensions are for standard units only

OPTIONS

Belt scale for discharge conveyor
Start siren
Overband magnet for feed conveyor
Synthetic oil for CH430
Diesel heater for crusher oil
Ball deck beneath third deck in the SF1843 screen
King pin according to Norwegian standard
Extra hydraulic legs in rear (2 pcs)

Lifting lug for chassis for shipping available (not necessary roll on/off ship)
Electrical heating for feeder and feed hopper
Electrical heaters for conveyors
Dust filter for feed conveyor
Floodlights on illumination mast
Natural fines conveyor 8 m x 650 mm