



## Sandvik UH320

### General information

- UH320 **Classic** type; is superior in its function and can produce 3 calibrated fractions. The Unit can also be used as a screen Unit, producing up to 4 products
- Well known Sandvik CH430 crusher with a wide range of mantels and settings for different applications are available.
- ASRi is optional.
- Beneath the feeder and the screen the chute have 3 flaps which make it possible to divide the feedmaterials so that 33%, 66% or 100% can either be transported to the crusher or to the screen by separate conveyors. This make it possible to optimize the quality, and capacity with different raw materials.
- Remote-controlled tiltable static bar grizzly on feed hopper. Adjustable fixed position between 7-17°. The grizzly is divided in three sections, which can easily be taken off when the feeder is loaded from a conveyor and also changed according to individual wear. The whole grizzly can be removed if not required. Grizzly separation is accordingly to the crusher chamber 100mm alt. 125mm.
- Foldable flaps on feed hopper can give wider loading area.
- IR level monitors on feed hopper to regulate the feed rate.
- 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 tip able grizzly.
- The Screen is a SF1843 which can take out 3 calibrated fractions
- Rollaway discharge chute on screen provides easy access for inspection and service.
- Flaps inside the chute provide adding top fractions with fine fractions except for the oversize conveyor
- All conveyors are electrically driven and hydraulically foldable for transport, except for the oversize return conveyor.
- Oversize conveyor is equipped with stone brake and side protection plates intended only for screening natural gravel (to prevent rolling stones causing damage and accidents). Removed during transport.
- Dust-encapsulated feed conveyor, screen and conveyor for the finest fraction.
- Hydraulic supporting legs at front end make connection with semi-trailer easier.
- The whole unit can be transported in one piece if local transport legislation permits, start-up time approx. 30 minutes.
- Walkways (with stepladders) around the screen, to provide easy access for inspection and service.
- Self-contained galvanised steel switchgear cabinet fixed on-board the unit. The cabinet contains all the components necessary for power distribution and control - fuses, contactors, indicating lamps, control push buttons, interlocking relays, etc.
- Emergency stop push buttons are placed at strategic locations.
- Frequency convertor for feeder and conveyor for coarsest product, to provide step less regulation of feed rate and conveyor speed.
- 220V transformer for power outlet ( 2pc.10A, 1pc.16A).
- 32-pole connection for external control of the Unit.
- The Unit has no on-board genset due to the axle load limits.
- The design and manufacture of UH320 complies with ISO 9001





**Optional extra equipment**

- RC2. Ball-deck beneath the third deck in the SF1843
- RC3. Electrical heating system for feeder bottom and feed hopper.
- RC4. Electric heaters under the feed conveyor and the conveyor for the finest fraction.
- RC5. Dust collector.
- RC6. Floodlights on illumination mast.
- RC9. Control voltage 110 V
- RC10. Start siren
- RC7. NF screen
- RC11. Overband magnet for conveyor 4.
- RC12. ASRi.
- RC 13 Metaldetector on return conveyor 5.
- RC18. Synthetic oil
- RC19 Heating for the crusher oil incl. 6kVA genset.
- RC19A. Diesel heating for the crusher oil.

**Dimension**

<i>Operation</i>	
Height	5.20m
Width	3.00m
Length	22.00
<i>Transport</i>	
Height	4.50m
Width	3.00m
Length	17.85m

**Weight<sup>1</sup>**

tons	48,50ton
short tons	
<sup>1</sup> excluding options	

**Feed station**

SP 0830	2 x 2,3 kW electric motor 5kbn
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**Crusher**

Type	Sandvik CH430
Feed opening	100 mm (TS)
Drive	132 kW electric motor

**Conveyors Length Width Motor Speed**

Feed con belt:	10.6 m	800mm	1.3m/s (to the screen)
Rear con:	9.5 m	800mm	1.25m/s
3 pro con:	8 m	650mm	1.0m/s
NF-conv.	8 m	500 mm	

**Screen**

Product screen	SF1843
Motor	2 x 11 kW electric motors

**Hydraulic system**

Coarse stone grizzly: Hydraulic power pack, 400V, 4kW  
 Foldable conveyors, supporting legs, retractable screen:  
 Hydraulic power pack, 24V (alt.400V), 3kW (alt. 4kW)

**Required power**

Generator 325 kVA 400V

**Running gear**

Type: King-pin 3 ½" or 2 ". Leaf-sprung two-axle bogie, air- brakes and running lights. 4 Tires 385/65R/22.5.

