



Sandvik UH320 General information

- UH320 **Direct** 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.
- The crusher will be fed directly by a conveyor with hydraulic drive and adjustable speed
- The Screen is a SF1843 which can take out 3 calibrated fractions
- Foldable flaps on feed hopper can give wider loading area.
- IR level monitors on feed hopper regulate the feed rate.
- Rollaway discharge chute on screen provides easy access for inspection and service.
- Flaps inside the chute provide adding top fractions with fine fractions.
- All conveyors are electrically driven and hydraulically foldable for transport, except the crusher feed conveyor which is a separate conveyor with support to the ground.
- 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 crusher product 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 inverter 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

- RC1. Belt scale for the feed conveyor.
- RC2. Ball-deck beneath the third deck in the SF 1843 screen.
- RC4. Electric heaters under the feed conveyor and the conveyor for the finest fraction.
- RC5. Dust collector, mounted above rear conveyor.
- RC6. Floodlights on illumination mast.
- RC9. Control voltage 110 V
- RC10. Start siren
- RC11. Overband magnet for feed conveyor.
- 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	17.70m
<i>Transport</i>	
Height	4.46m
Width	3.00m
Length	17.70m

Weight¹

tons	46,5
short tons	
¹ excluding options	

Crusher

Type	Sandvik CH430
Feed opening	160 mm (EC)
Drive	132 kW electric motor

Conveyors Length Width Motor Speed

Feed con belt:	4,7m	800mm	1.3m/s (to crusher)
Feed con belt:	10.6 m	800mm	1.3m/s (To screen)
Rear con:	9.5 m	800mm	1.25m/s
3 pro con:	8 m	650mm	1.0m/s
Feed conv.	9 m	650 mm	(external to crusher)

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.

