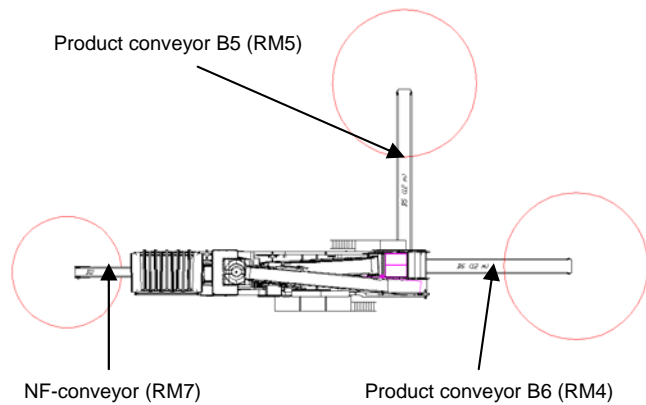
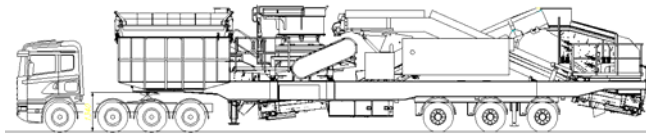




Sandvik UH421

General information

- Sandvik UH421 is a closed circuit complete process unit
- A foldable back wall on each side is used as a back wall for a loading ramp and as protection against oversize material falling from the tippable grizzly.
- Feed hopper design with tippable grizzly. The tippable grizzly is maneuvered via wireless remote control.
- Electric heating for feed-hopper
- Extended feed-box on the screen for even distribution.
- Step-less regulation of feed rate.
- Well known Sandvik CH440 crusher available with a wide range of crushing chamber designs and settings for different applications.
- ASRi – automatic setting regulation system - is standard.
- Sonar in the crushers feed hopper keeps the crusher choke-fed.
- Metal detector before crusher.
- The two dust sealed on-board conveyors are equipped with heavy-duty motors and impact bars for absorbing loading chock. Conveyors are tailor-designed to load crusher and screen in an optimal way.
- Complete dust encapsulation including filter.
- Control box has a user-friendly display that provides optimal control over the process.
- Transport in one piece, everything stays on board except product conveyors. In case of transport restrictions limiting weight, both feeder and screen arrangement is possible to disassemble from the unit.
- Air suspension 3-axle bogie with ABS brakes provides safe and comfortable transportation. Sandvik UH421 is equipped with a third self-steering axle and low axle weight in order to increase transport possibilities.
- Discharge end of conveyor up to crusher is hydraulically retractable to decrease transport height and to provide easy access to crusher maintenance.
- Hydraulic supporting legs at the front end make connection with semi-trailer easier.
- Common hydraulic power pack for the retractable conveyor and supporting legs. Driven from a 24V battery.
- Emergency stop push buttons and cord actuated switches are strategically placed on the unit in accordance with applicable European safety standards.
- The design and manufacture of the Sandvik UH421 complies with ISO 9001 and all the directives required for CE-marking.



Options

- RM 2A Alternative feed hopper without tippable grizzly (reduced transport weight with 1500kg).
- RM 3 Trestle for free standing feed station, (direct feed into crusher), including separate hydraulics for tippable grizzly.
- RM 3A Trestle for separat transport of feed station.
- RM 4 Product conveyor B6 - 12 m x 800 mm (separately transported).
- RM 4A Belt scale for product conveyor B6.
- RM 5 Product conveyor B5 - 12 m x 800 mm (separately transported).
- RM 5A Belt scale for product conveyor B5.
- RM 6 Conveyor B1 18,5 m x 800 mm with metal detector. Used together with freestanding feed station (RM 3).
- RM 7 NF-conveyor 9 m x 500 mm.
- RM 12 Diesel heater for CH440 lubrication oil.
- RM 16 Transformer Trafo 7 KVA for extra power 3 x 10A, 1 x 16A.
- RM 21 Synthetic oil (crusher Mireta 150 and hydroset tank Mireta 68).
- RM 39 Welded lifting lugs on the chassie for shipping.
- RM 41 Quick-connection pack for power connection. Type Cavotec including 20 m cable.
- RM 41A Alternative power connection arrangement without Cavotec quick-connection package.
- RM 43 Registration inspection of the unit with corresponding documentation (for Sweden only).
- RM 44A Cable set to be used when the customer use his own NF-conveyor. Including harnesses, cables, speed sensor kit and emergency stop box.
- RM 44B Cable set to be used when the customer use his own B5 conveyor. Including harnesses, cables, speed sensor kit and emergency stop box.
- RM 44C Cable set to be used when the customer use his own B6 conveyor. Including harnesses, cables, speed sensor kit and emergency stop box.
- RM 45 Walkway behind product screen.

Dimension

<i>Operation</i>	
Height	5.6m
Width	3.0 m
Length	19m

<i>Transport</i>	
Height	4.4m
Width	3.0 m
Length	18.6 m (excl. trailer)

Transport std/min weight

Tons	53/39
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Feed station	Hopper volume	Motor
Feeder SP0830	6m3	2x4kW

Crusher

Type	Sandvik cone crusher CH440
Drive	200 kW
4-pole, squirrel-cage with soft starter	

Product Screen	Motor	Decks
SS1433	2x4 kW	3

NF screen	Motor	Decks
SS1013H	2x2.3 kW	3

Conveyors	Width	Motor
B3 crusher to prod.screen	1000mm	18,5 kW
B4 screen to crusher	800mm	2 x 7,5 kW

At product screen discharge end there is a feeder taking material from the product screen to conveyor B4.

Feeder SP0820	2 x 1,34 kW
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Power system

All-electric, intended for connection to a main supply or a diesel generator set (not supplied)	
Supply voltage	400V/50Hz, 3-phase A.C
Control voltage	230V/50Hz, 1-phase A.C

Recommended genset capacity: >450KVA

Hydraulic system

Supporting legs and conveyors extensions
Hydraulic power pack, 24V

Running gear

Type	King-pin 3.5" or 2"
Air suspension	3 axle bogie, with air-brakes and running lights.
	12 tyres 11" x22.5"
	Third self-steering axle