



Sandvik UF320

General information

- 2 versions **Classic** type and **Comfort** type.
- Sandvik UF320 is a complete screening Unit with a SF 1843 3-D Screen.
- The Screen Unit can produce 3 calibrated fractions and 1 oversize fraction.
- Remote-controlled tippable 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 100mm alt. 125mm.
- Foldable flaps on feed hopper can give wider loading area.
- IR level monitors on feed hopper give correct feeding to the screen.
- 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.
- 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.
- 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. 10 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 UF320 complies with ISO 9001



Optional extra equipment

- RC1. Belt scale for the feed conveyor.
- RC2. Ball-deck beneath the third deck in the SF1843 screen.
- 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,, mounted above rear conveyor.
- RC6. Floodlights on illumination mast.
- RC9. Control voltage 110 V
- RC10. Start Siren.
- RC15. Heating system for diesel generator.
- RC16. Excluding feed station
- RC17. Genset 105 kVA
- RC21. Extra hydraulic leg (2 pcs.)

Dimension

<i>Operation</i>	
Height	4.80m
Width	14.20m
Length	20.50m
<i>Transport</i>	
Height	4.28m
Width	3.00m
Length	16.50m

Weight¹

tons	29
short tons	32
¹ excluding options	

Feed station

Nom. Feed hopper:	5 m3
Coarse stone grizzly:	Tippable static bar grizzly. Nom sep. 100 alt 125 mm
Feeder type:	SP0830, with 2 x 2.3kW vibrator motors

Product Screen

Type	SF1843
Screening area:	3 x 6.5 m ²

Conveyors Length Width Motor Speed

Feed con belt:	10.6 m	800mm	11kW	1.3 m/s
Rear con:	9.5 m	800mm	7.5kW	1.25 m/s
3 pro con:	8 m	650mm	4kW1.	1,1 m/s

Power system

Electric motors, with on-board dieselgenerator set
 Main voltage: 400V/50Hz/3-phase a.c.
 Control voltage:230V/50Hz/1-phase a.c.

Dieselgenerator set

Diesel engine:	Iveco GE 806 SI07
Generator:	Meccalte Typ ECO 34-25/4
Rated output:	105kVA at 50Hz
Fuel tank volume:	approx. 500dm ³

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)

Running gear

Type: King-pin 3 1/2" or 2". Leaf-sprung two-axle bogie, air- brakes and running lights. 4 tyres 385/65R/22.5.