



UV320 WHEELED UNIT PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

The UV320 is an integrated Vertical Shaft Impactor and three-way split screening system, designed for the production of premium shaped aggregates for the concrete and asphalt industries.

Featuring the market leading Sandvik CV117 crusher it is an excellent unit for shaping materials and is able to produce three calibrated fractions, plus one oversize and one optional natural fine separation.

The UV320 is available in two types:

- Direct: Feed conveyor feeding directly into the VSI crusher without any pre-separation.
- Flex: with tippable grizzly, by-pass chute, natural fines screen and optional natural fines conveyor. Flexibility to direct all feed material after the feed station into the VSI crusher, or on the classifying screen, or as a mix to both.
 - Sand - As "Flex" with the additional possibility to recirculate one or several individual fractions

KEY BENEFITS

- The Sandvik CV117 VSI crusher has been designed specifically to produce cubical products.

- Highly efficient on board Sandvik SF1843 classifying screen.
- Able to operate in open or closed circuit.
- Radio remote controlled tipping grid.
- 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.
- Roll way discharge chute on screen provides easy access for service and maintenance.
- Flap door inside the chute on the screen enables mixing fractions from the second and third deck.
- Onboard process with interlocking for trouble free operation.
- All conveyors are electrically driven and hydraulically foldable for transport. Return conveyor excluded.
- Transported in one piece - everything stays onboard.
- Dust encapsulated crusher, main conveyor and product screen for the finest product.
- Maintenance platforms (with stepladders) around the screen, to provide easy access for service and maintenance.
- Emergency stop buttons are located throughout the machine.



KEY SPECIFICATIONS	UV320 Direct	UV320 Flex
Operating Dimensions		
Height	5.2 m / 17.1'	5.2 m / 17.1'
Width	16.0 m / 52.5'	16.0 m / 52.5'
Length	24.0 m / 78.7'	22.0 m / 72.2'
Transport Dimensions		
Height	4.46 m / 14.6'	4.46 m / 14.6'
Width	3.0 m / 9.8'	3.0 m / 9.8'
Length	18.60 m / 61'	17.85 m / 58.6'
Weight *1	38.3 mton / 42.1 ston	46.3 mton / 50.9 ston
*1 Excluding options		
Feed station		
SP 0830	-	2 x 2,3 kW electric motors
Hopper volume	-	5 m ³ / 177 ft ³ with foldable grizzly
Crusher		
Type	Sandvik CV217 VSI	Sandvik CV217 VSI
Feed opening	50mm	50mm
Drive	185 kW electric motor	185 kW electric motor
NF-Screen		
PJ 10/10	-	2 x 1,8 kW vibrator motors
Conveyors length/width/motor speed		
Feed con belt	6 m / 800mm / 1.25m/s (to crusher)	-
Feed con belt	10.6 m / 800mm / 1.3m/s (to screen)	10.6 m / 800mm / 1.3m/s (to screen)
Rear con	9.5 m / 800mm / 1.25m/s	9.5 m / 800mm / 1.25m/s
3 pro con	8 m / 650mm / 1.1m/s	8 m / 650mm / 1.1m/s
By-pass conv.	-	4,7 m / 800mm
Feed conv.	9 m / 650 mm (external to crusher)	9 m / 650 mm (external to crusher)
NF-conv.	-	8 m / 500 mm
Screen		
Product screen	SF1843	SF1843
Motor	2 x 11 kW electric motors	2 x 11 kW electric motors
Hydraulic system	-	Coarse stone grizzly: Hydraulic power pack, 400 V, 4 kW
Required power	Foldable conveyors, supporting legs, retractable screen: Hydraulic power pack, 24 V (alt.400 V), 3 kW (alt. 4kW) Generator 325 kVA 400V	Foldable conveyors, supporting legs, retractable screen: Hydraulic power pack, 24 V (alt.400 V), 3 kW (alt. 4kW) Generator 325 kVA 400V
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	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
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 (Flex and Sand only)
Electrical heaters for conveyors
Dust filter for feed conveyor
Floodlights on illumination mast
Natural fines Conveyor 8m x 500 mm (Flex and Sand only)