



# Sandvik UF320E

## Wheeled heavy screening unit

The UF320E is a complete wheeled screening unit designed for maximum capacity in highly accurate screening operations. Powered by electricity it is fully mobile with hydraulically folding side conveyors and can be easily set-up and transported from site to site within a very short time. There are two versions available to optimize the quality and capacity in different applications.



### Key benefits

#### Reliability

- Built for hard and abrasive rock
- Wear lined impact zones
- All onboard components are electrically driven giving reliability and minimal maintenance
- Premium quality components for durability

#### Productivity

- Frequency inverter for feeder speed control in order to provide step less regulation of the feed rate
- Foldable hopper extensions provide wider loading area enabling high throughput
- A number of sensors at different key locations to ensure a trouble free operation and prevent costly breakdowns
- All conveyors are electrically driven and hydraulically foldable for transport
- Quick to set-up and easy to transport as one unit, resulting in more uptime and higher productivity
- The unit can work as stand alone or interlocked in a "process train" with other crushing units

#### Cost of ownership

- Low cost-per-tonne due to electric final drives and electrical supply connection or genset (not provided)
- Quick return on investment and high resale value

#### Safety

- User-friendly control system from one location
- Rollaway discharge chute on screen provides easy access for service and maintenance
- Wheel suspension and air brakes complete with lights for safe road transport

#### Sustainability

- Lower environmental impact due to electric plug in, less operating noise and no emissions
- Rubber lined impact zones reduce operating noise and need for maintenance
- Quality components ensure longer lifetime and support optimized service and maintenance

#### Support

- Extensive distributor, sales and service network

## Technical specification

| Key specifications                                      | UF320E Classic                                                                                                |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Feed station</b>                                     |                                                                                                               |
| Type                                                    | Sandvik SP0830                                                                                                |
| Width                                                   | 800 mm / 31' 5"                                                                                               |
| Length                                                  | 3000 mm / 10'                                                                                                 |
| Capacity                                                | 7 m <sup>3</sup> / 9.19 yds <sup>3</sup>                                                                      |
| <b>Pre screen</b>                                       |                                                                                                               |
| Type                                                    | PJ1010                                                                                                        |
| Drive                                                   | 2 x 1.8 kW Vibrator motors                                                                                    |
| Width                                                   | 1020 mm / 40"                                                                                                 |
| Length                                                  | 1000 mm / 39' 4"                                                                                              |
| <b>Screen</b>                                           |                                                                                                               |
| Type                                                    | Sandvik SF1843                                                                                                |
| No. of decks                                            | 3 deck                                                                                                        |
| Screening area                                          | 6.5 m <sup>2</sup> / 69.9 ft <sup>2</sup>                                                                     |
| <b>Conveyors</b>                                        |                                                                                                               |
| Feed conveyor                                           | 800 mm x 10.6 m / 2' 7" x 34' 7"                                                                              |
| Rear conveyor                                           | 800 mm x 9.5 m / 2' 7" x 31' 1"                                                                               |
| Product conveyors x 3                                   | 650 mm x 8.0 m / 2' 2" x 26' 8"                                                                               |
| <b>Power pack</b>                                       |                                                                                                               |
| Required external genset                                |                                                                                                               |
| Required power                                          | 100 kVA                                                                                                       |
| Main voltage                                            | 400 V / 50 Hz / 3-phase a.c.                                                                                  |
| Control voltage                                         | 230 V / 50 Hz / 1-phase a.c                                                                                   |
| Hydraulic driven components                             |                                                                                                               |
| Foldable conveyors, supporting legs, retractable screen |                                                                                                               |
| <b>Running gear</b>                                     |                                                                                                               |
| Type                                                    | King-pin 3 ½" or 2"<br>Two-axle leaf-sprung bogie with<br>8 wheels in total, air brakes and<br>running lights |
| <b>Transport dimensions **</b>                          |                                                                                                               |
| Length                                                  | 16.7 m / 55'                                                                                                  |
| Width                                                   | 3.0 m / 9' 8"                                                                                                 |
| Height                                                  | 4.3 m / 14'                                                                                                   |
| Standard weight                                         | 33,000 kg / 72,700 lbs                                                                                        |
| <b>Operating dimensions</b>                             |                                                                                                               |
| Length                                                  | 20.6 m / 67' 5"                                                                                               |
| Width                                                   | 13.8 m / 45' 3"                                                                                               |
| Height                                                  | 5.3 m / 17' 4"                                                                                                |
| Standard weight                                         | 33,000 kg / 72,700 lbs                                                                                        |

| Key specifications                                      | UF320E Direct                                                                                                 |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <b>Feed station</b>                                     |                                                                                                               |
| Type                                                    | -                                                                                                             |
| Width                                                   | -                                                                                                             |
| Length                                                  | -                                                                                                             |
| Capacity                                                | -                                                                                                             |
| <b>Pre screen</b>                                       |                                                                                                               |
| Type                                                    | -                                                                                                             |
| Drive                                                   | -                                                                                                             |
| Width                                                   | -                                                                                                             |
| Length                                                  | -                                                                                                             |
| <b>Screen</b>                                           |                                                                                                               |
| Type                                                    | Sandvik SF1843                                                                                                |
| No. of decks                                            | 3 deck                                                                                                        |
| Screening area                                          | 6.5 m <sup>2</sup> / 69.9 ft <sup>2</sup>                                                                     |
| <b>Conveyors</b>                                        |                                                                                                               |
| Feed conveyor                                           | 800 mm x 10.6 m / 2' 7" x 34' 7"                                                                              |
| Rear conveyor                                           | 800 mm x 9.5 m / 2' 7" x 31' 1"                                                                               |
| Product conveyors x 3                                   | 650 mm x 8.0 m / 2' 2" x 26' 8"                                                                               |
| <b>Power pack</b>                                       |                                                                                                               |
| Required external genset                                |                                                                                                               |
| Required power                                          | 80 kVA                                                                                                        |
| Main voltage                                            | 400 V / 50 Hz / 3-phase a.c.                                                                                  |
| Control voltage                                         | 230 V / 50 Hz / 1-phase a.c                                                                                   |
| Hydraulic driven components                             |                                                                                                               |
| Foldable conveyors, supporting legs, retractable screen |                                                                                                               |
| <b>Running gear</b>                                     |                                                                                                               |
| Type                                                    | King-pin 3 ½" or 2"<br>Two-axle leaf-sprung bogie with<br>8 wheels in total, air brakes and<br>running lights |
| <b>Transport dimensions **</b>                          |                                                                                                               |
| Length                                                  | 16.3 m / 53" 5'                                                                                               |
| Width                                                   | 3.0 m / 9' 8"                                                                                                 |
| Height                                                  | 4.3 m / 14'                                                                                                   |
| Standard weight                                         | 26,500 kg / 58,422 lbs                                                                                        |
| <b>Operating dimensions</b>                             |                                                                                                               |
| Length                                                  | 20.2 m / 66' 5"                                                                                               |
| Width                                                   | 13.8 m / 45' 3"                                                                                               |
| Height                                                  | 5.3 m / 17' 4"                                                                                                |
| Standard weight                                         | 26,500 kg / 58,422 lbs                                                                                        |

Note. All weights and dimensions are for standard units only

## Standard specification

- Hydraulic radio remote controlled tipping grid
- Maintenance platforms for service and maintenance
- Two-axle bogie with 8 wheels tyres
- Complete with lights for road transport
- Natural fines conveyor
- Two extra rear hydraulic legs
- Warning beacons, twin LED light masts and various LED work lamps
- Standard main voltage 400V AC 50Hz

- Control voltage is 230V AC and 24V DC
- Onboard interlocking system
- Rollaway discharge chute on screen
- 4x hydraulic foldable heavy duty product conveyors onboard
- King-pin 3 ½" or 2"
- Air-brakes
- Foldable back wall on each side for loading ramp

\* Application specific. Please contact a Sandvik representative for clarification on specifications and options

\*\* Check with your Sandvik representative for correct dimensions and valid transport drawing. Extra transport for loose parts might be needed  
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