



UH550E MOBILE UNIT PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

The Sandvik UH550E is a pioneering track-mounted end product crushing and screening unit, which has been designed to meet customer demands. The innovative design combines the new CH550 cone crusher with a banana-styled main screen for high capacity accurate screening together with a recirculating conveyor.

This unit is the ideal choice for the production of the highest quality end products, capable of one or two end products plus one natural fines product. Both the cone and screen have many alternative settings, optional crushing chambers and screening media, making the UH550E an extremely flexible and useful in many applications even as a secondary and tertiary unit.

KEY BENEFITS

- The complete process is fully automated, well-balanced and with a high level of "intelligence" on board to maximise production, quality of material and minimise downtime
- Versatile and capable of working as part of a train or as a standalone unit
- Sandvik CH550 cone crusher, available with a wide range of chambers and settings
- Fitted with intelligent ASRi system, which monitors and automatically regulates the closed side setting
- Equipped with Sandvik SS1221M single deck pre-screen with Sandvik modular screening media fitted as standard or optional Sandvik SS1222M double deck screen and SP1328M feeder including 12m³ feed hopper for feeding directly from loader
- Unique loop conveying system providing direct feed to the product screen
- Highly efficient double deck banana-shaped LF1850 screen with unique Sandvik modular screening media as standard
- Diesel-electric drive for powerful, extremely economical and environmentally friendly operation
- Excellent fuel economy with a Volvo power pack
- Innovative compact design in operation, transport and quick set up
- Full radio remote control fitted as standard
- Platforms around the crusher, screen and power pack provide excellent access for inspections and maintenance



KEY SPECIFICATIONS	UH550E
Pre-screen	
Screen	SS1221 single-deck free-fall screen
Screen deck	1200 mm x 1200 mm / 47" x 47"
Screening media	Sandvik Modular WM6000 system, rubber, stepped deck
Feed conveyor (pre-screen overflow conveyor)	
Width	1200 mm / 48"
Length	6900 mm / 22' 7 5/8"
Drum motor	11 kW / 15 hp
Closed-circuit conveyor (two sections)	
Conveyor with a drum motor	
Width	1200 mm / 47"
Length	21000 mm / 68' 10 3/4"
Drum motor	33 kW / 44 hp
Friction conveyor	
Width	1300 mm / 51 1/4"
Product screen	
Screen	LF1850 Double-deck linear-motion screen
Decks	1800 mm x 4800 mm / 71" x 189"
Screening media, top deck	Sandvik Modular WM6000 system, rubber, stepped deck
Screening media, bottom deck	Longitudinally tensioned wire mesh
Feed box	Replaceable rubber liner
Crusher	
Crusher	Sandvik CH550
Max. feed opening	215mm / 8"
CSS Range	6-44mm / 0.2 – 1.73"
Drive	315 kW / 50 Hz, Squirrel cage motor

KEY SPECIFICATIONS	UH550E
Product conveyors (2 x)	
Transverse conveyor	
Width	1000 mm / 39 3/8"
Length	3000 mm / 9' 10 1/8"
Drum motor	11 kW / 15 hp
Longitudinal conveyor	
Width	1000 mm / 39 3/8"
Length	9550 mm / 31' 4"
Natural fines conveyor (detachable for transport)	
Width	650 mm / 25 5/8"
Length	6500 mm / 21' 4"
Drum motor	7.5 kW / 10 hp
Discharge height	3700 mm / 12' 1 3/4"
Power pack and electrics	
Diesel generator package	Volvo TAD1642 GE
Generator	Stamford 670 kVA
Onboard electrical power	400/240V 50Hz
Fuel tank volume	885 litres / 234 US Gal
Electrics	Canbus control
Tracks	
Length	3910 mm / 12' 10"
Track shoe width	500 mm / 19 3/4"
Travel speed	0.6 / 1.2 km / h
Transport Dimensions	
Length	19.50 m / 63' 11 3/4"
Width	4.5 m / 14' 8"
Height	4.45 m / 14' 7 1/4" (dolly)
Standard weight	72,574 kg / 159,998 lbs
Operating Dimensions	
Length	20.00 m / 65' 7 1/2"
Width	4.50 m / 14' 9 1/8"
Height	6.60 m / 21' 7 7/8"

Note. All weights and dimensions are for standard units only

OPTIONS

Overband magnet
 Natural fines conveyor 8m x 500mm
 Belt scale for natural fines conveyor
 High pressure water spray system
 Belt scale for product conveyor
 Dolly transport kit, including king pins, position lights and brake lines (no dolly included)
 Diesel driven heater for the engine and crusher oil
 Synthetic oil for the CH550
 Complete filter set
 Stock pile level sensor for discharge conveyor

Extra mast with flood lights and 4ea for crawlers
 Extra product conveyor (650mm x 7.5m)
 Belt scale for extra product conveyor
 Preparation for connection to mains supply
 Oil bath air pre-cleaner for diesel engine
 Feed station package including 12m³ hopper and SP1328M feeder, SS1222 2 deck screen and support legs
 Electrical heater in feed hopper