



SANDVIK UH320E WHEELED CONE UNIT

TECHNICAL SPECIFICATION

The UH320 is a complete integrated wheeled processing unit, which is equipped with the CH430 cone crusher and triple deck screening system. 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. Designed to function in open or closed circuit, it features the market leading Sandvik CH430 cone crusher, which comes with a choice of different crushing chambers and a large variety of settings making it suitable for a wide range of applications worldwide.

KEY BENEFITS

Reliability	<ul style="list-style-type: none"> - Built for hard and abrasive rock - Market leading Sandvik CH430 cone crusher and three-way split screening system for strength and reliability - Wear lined impact zones - All onboard components are electrically driven giving reliability and minimal maintenance - Premium quality components for durability
Productivity	<ul style="list-style-type: none"> - ASRI assists in optimizing throughput and end product quality, as well as protecting the crusher from "uncrushable" material - Level sensors and step less regulation of feeder for optimized production - Choice of several chambers, throws and settings for a wide range of applications, enabling fine tuning to your specification and improved capacity - Fitted with three flap gate that gives the flexibility to divide the feed material so that 33 %, 66 % or 100 % are sent to the crusher alternatively to the screen first. All to optimize the quality and capacity in different applications - 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. Return conveyor excluded - 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 and screening units - Able to operate in open or closed circuit
Cost of ownership	<ul style="list-style-type: none"> - Low cost per tonne due to electric final drives and electrical supply connection or genset (not provided) - Constant Liner Performance (CLP) for extended life and performance of chamber liners, minimizing downtime and cost - Quick return on investment and high resale value
Safety	<ul style="list-style-type: none"> - User-friendly control system from one location - Rollaway discharge chute on screen provides easy access for service and maintenance. - No emissions due to electrical operation, minimizing environmental impact - Wheel suspension and air brakes complete with lights for safe road transport - LED Floodlights for safe operation 24 hours a day
Sustainability	<ul style="list-style-type: none"> - 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





KEY SPECIFICATIONS	UH320E
Feed station	
Type	Sandvik SP0830
Width	800 mm / 31' 5"
Length	3000 mm / 10'
Capacity	7 m ³ / 9.19 yds ³
Pre screen	
Type	PJ1010
Width	1020 mm / 40"
Length	1000 mm / 39' 4"
Crusher	
Type	Sandvik CH430 cone
Max feed size	185 mm / 7' 25"
CSS range	6 - 41 mm / ¼" - 1½"
Drive	132 kW / 180 hp electric motor
Screen	
Type	Sandvik SF1843
No. of decks	3 deck
Screening area	6.5 m ² / 69.9 ft ²
Conveyors	
Feed conveyor to crusher	-
Feed conveyor to screen	800 mm x 10.6 m / 32" x 34' 7"
Rear conveyor	800 mm x 9.5 m / 32" x 31' 1"
Product conveyors x 3	650 mm x 8 m / 25.6" x 26' 8"
By-pass conveyor	800 mm x 4.7 m / 32" x 15' 4"
Return conveyor	650 mm x 9 m / 25.6" x 29' 5"
Natural fines conveyor	500 mm x 8 m / 20" x 26' 8"
Hydraulic driven components	
Coarse stone grizzly, foldable conveyors, supporting legs, retractable screen	

KEY SPECIFICATIONS	UH320E
Power pack	
Required external Genset	
Required power	325 kVA
Main voltage	400 V / 50 Hz / 3-phase a.c.
Control voltage	230 V / 50 Hz / 1-phase a.c.
Running gear	
Type	King-pin 3.5" or 2" Three axles (2 axle leaf-sprung bogie and one with air suspension) with 12 wheels in total, air brakes and running lights
Transport dimensions	
Height	4.5 m / 14' 8"
Width	3.0 m / 9' 8"
Length	17.8 m / 58' 4"
Weight	48,500 kg / 106,900 lbs
Operating dimensions	
Height	5.4 m / 18'
Width	16 m / 52' 5"
Length	22 m / 72'
Performance	
Max feed size	185 mm / 7' 25"
Capacity (up to)	200 mtph / 220 stph *

Note. All weights and dimensions are for standard units only

STANDARD SPECIFICATION

Hydraulic radio remote controlled tipping grid
 Crusher level sensor
 Flex version, Flap gates for flexible process feed
 Maintenance platforms for service and maintenance
 3 axles, 2-axle leaf-sprung bogie and one with air suspension,
 12 wheels in total
 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
 220V transformer for power outlet (2pc.10A, 1pc.16A)
 Onboard interlocking system
 Rollaway discharge chute on screen
 4x hydraulic foldable heavy duty product conveyors onboard
 ASRI cone control system
 King-pin 3 ½" or 2"
 Air-brakes
 Foldable back wall on each side for loading ramp

For option availability please speak with your local Sandvik representative

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