



Sandvik US373

Wheeled crushing unit

The US373 is an open circuit crushing unit fully assembled on a single triple axle trailer frame. Featuring the highly reliable and powerful CS430 cone crusher with different feed and discharge conveyors variants, the unit comes with a control panel for smooth and easy operation of the unit. This model has been designed to offer high-end productivity processing at a low cost-per-ton.



Key benefits

Reliability

- Market leading Sandvik CS430 cone for strength and high performance
- All onboard components are electrically driven giving reliability and minimal maintenance
- Heavy duty chassis beams, strength analysis on structural parts and quality components for durability
- Capable of operating in the most hostile environments

Productivity

- Largest feed opening in its class for increased intake ability and reduced bridging
- Hydraulic cone hydroset setting (CSS) and overload protection for maximum uptime
- Cone crusher unibody mainframe ensures optimal strength and less maintenance
- ASRi automatically adapts crusher to feed conditions and enables real-time performance management
- Constant Liner Performance (CLP) crushing chambers permits constant feed acceptance capability, increased output, high quality products and increased liner life
- Choice of several chambers, throws and settings for a wide range of applications, enabling fine tuning to your specification and improved capacity
- Simple and efficient operation with soft starting crusher for trouble free operation
- Metal detector on crusher feed conveyor

Cost of ownership

- Quick to set-up and easy to maintain, resulting in more uptime and higher productivity
- Low cost-per-ton due to electric operation and Sandvik chamber design

Safety

- Removable electrical control panel to be located on the ground during operation
- Crusher mounted safety guards and multiple emergency stop buttons for safe operation
- Maintenance platforms with handrails and access ladders provide excellent access for service and maintenance

Sustainability

- Low emissions due to electrical operation, minimizing environmental impact
- Quality components ensure longer lifetime and supports optimized service and maintenance

Support

- Extensive USA distributor, sales and service network

Technical specification

Key specifications	US373
Crusher	
Type	Sandvik CS430 cone
Adj type	Hydraulic
CSS range	0.95" - 2.13" / 24 - 54 mm *
Control system	ASRI - Standard
Drive	Electric motor 180 hp / 132 kW
Crusher feed conveyor	
Belt width	36" / 915 mm
Drive	20 hp / 1800 rpm
Crusher discharge conveyor	
Belt width	42" / 1,067 mm
Drive	20 hp / 1800 rpm

Key specifications	US373
Power system	
All electrics are intended for connection to a mains supply	
Total power	220 hp / 165 kW
Supply voltage	460 V-60 Hz / 3 phase a.c.
Control voltage	110 V-60 / 3 phase a.c.
Running gear	
Type	2" king-pin, triple axle suspension with air-brakes lights and mud flaps. Tyres 11' x 22.5'
Transport dimensions	
Length	64' 4" / 19.62 m
Width	11' 11" / 3.64 m
Height	14' 5" / 4.41 m
Standard weight	91,500 lbs / 41,503 kg
Operating dimensions	
Length	62' 8" / 19.16 m
Width	20' 3" / 6.11 m
Height	17' 3" / 5.27 m
Performance	
Max feed size	14" / 360 mm
Capacity (up to)	330 stph / 300 mtpd
Note. All weights and dimensions are for standard units only	

Standard specification

- All conveyors fitted with mining duty reducers, bearings and CEMA idlers
- Remote grease lines for conveyors (ground level access to grease points on both conveyors)
- Overflow discharge chute on cone ring
- UL certified removable electrical switchgear
- Soft starter for cone crusher
- Six hydraulic levelling legs with gas hydraulic power unit
- (1) Hydraulic conveyor raise / lower (feed conveyor)
- (1) Hydraulic conveyor pivot (feed conveyor)
- (9) E-stop buttons in the unit (eight on plant and one on control panel)
- Number of conveyor feeding and discharge options
- **Rear feed side discharge**
 - Left or right side mounting of feed conveyor
 - Feed conveyor hydraulically raised/lowered during transport
 - Feed conveyor pivot frame – slide in slide out done hydraulically
- **Rear discharge**

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

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