

# Sandvik QI430 impact crusher unit

## in Action

Technical specification sheet



The QI430 is a track-mounted mobile unit equipped with a field proven Sandvik impact crusher.

Powered by a fuel-efficient 328 kW C-13 Tier 3 compliant diesel engine, the QI430 is carried on a manoeuvrable tracked undercarriage and incorporates a Sandvik CI322 impactor with a fluid drive clutch. Fed via a primary feeder onto a two-deck pre-screen, the crusher is a four hammer rotor with a diameter of 1,150mm (45") and a width of 1,330mm (52") and discharges onto an underpan feeder.

The machine is designed to deliver throughputs from 300 to 350 tonnes/hour in materials including slate, limestone, brick and asphalt and is suitable for a wide variety of other applications such as secondary or fine crushing of softer rocks and various demolition and recycling applications.

- Excellent reduction ratio across a broad product spectrum

- Variable speed primary pan feeder for controlled and continuous feed integrated with engine loading for maximum control
- Independent underpan feeder reduces risk of blockages
- Fully tracked for on-site mobility
- Different applications catered for through Sandvik advanced crusher technology
- Capable of operating in the most hostile environments
- Easily transported from site to site
- Global aftermarket support, with standard stock parts to ensure minimum loss of production
- Machine designed for optimum fuel economy and low operating costs.



## Technical specifications

	Q1430
<b>Hopper</b>	
Width	2500 mm / 98"
Length	4100mm / 161"
Capacity	6m <sup>3</sup> / 7.8yd <sup>3</sup>
Type	Hydraulically folding
<b>Feeder</b>	
Width	1300mm / 51"
Total length	2200mm / 86.5"
Type	Vibrating grizzly
<b>Pre Screen</b>	
Screenbox speed	990 rpm
Screen deck size	2200x1360 mm / 87"x 54"
<b>Crusher</b>	
Feed opening	1360x900mm / 54"x35"
Hydraulic inlet opening	1360x1100mm / 54"x43"
Speed	600 rpm
Curtain adjustment	Hydraulic system
Drive	V-belts from fluid coupling
Typical range setting (1st curtain)	250-220mm / 10-8.5"
Typical range setting (2nd curtain)	80-40mm / 3-1.5"
Type	CI322
<b>Main conveyor</b>	
Belt width	1200mm / 47"
Belt length	17630mm / 694"
Discharge height	3215mm / 120"
Drive drum Ø	289mm / 11.5"
Tail drum Ø	273mm / 10.5"
<b>Pan feeder</b>	
Width	1500mm / 59"
Length	2200mm / 86.5"
<b>Tracks</b>	
Length	3850mm / 151.5"
Width	500mm / 19.5"
Drive	Hydraulic motor & gear box
Control	Radio / Umbilical

### Options

Hopper hardox liner plates back & sides  
 Central auto lube (crusher)  
 Central auto lube (conveyors)  
 Dust suppression including canvas covers  
 Wheeled dolly  
 Remote diesel pump

	Q1430
<b>Power pack</b>	
Engine power	328kW (440hp)
Diesel tank size	900ltrs / 238USG
Hydraulic tank size	900ltrs / 238USG
<b>Standard options</b>	
Magnet	
Weight	1200kg / 2645lbs
Length	2400mm / 94.5"
Width	1002mm / 39"
Height from belt	428mm / 17"
Type of belt	Self cleaning suspended
Belt width	800mm / 31.5"
<b>Side conveyor</b>	
Belt length	10000mm / 394"
Belt width	650mm / 25.5"
Height	2580mm / 101.5"
<b>General technical data</b>	
<b>Transport dimensions</b>	
Length	15615mm / 51.2'
Width	2990mm / 9.8'
Height	3616mm / 11.9'
<b>Operating dimensions</b>	
Length	15412mm / 50.6'
Width	5458mm / 17.9'
Height	4080mm / 13.4'
Standard weight	49800kg / 110,000lbs
<b>Performance</b>	
Max feed size	600mm / 24"
Capacity (up to)	500 MTPH / 552 STPH
Travel speed	1K/H / 0.62 MPH
Max slope climbing	20°
Max slope side to side	10°

Note. All weights and dimensions are for standard units only

Water pump  
 -20°C / -4F Arctic package  
 -30°C / -22F Arctic package  
 Tropical / High ambient package  
 No overband magnet  
 No side conveyor

The units depicted show all options currently available, and the colour scheme reflects the eventual scheme to be used. Current models may differ from those featured in this brochure. Please contact Sandvik to clarify specification and options. The material in this brochure is of general application for information and guidance only, and no representation or warranty is made or given by the manufacturer that its products will be suitable for a customer's particular purpose and enquiry should always be made of the manufacturer to ensure such suitability. Whilst reasonable efforts have been made in the preparation of this document to ensure its accuracy, the manufacturer assumes no liability resulting from errors or omissions in this document, or from the use or interpretation of the information contained herein. The manufacturer reserves the right to make changes to the information in this brochure and the product design without reservation and without notification to users.

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