

Sandvik QA45I triple deck Doublescreen

Technical specification sheet



Building upon the highly advanced features of the QA440 and original QA450, the QA451 represents the second generation product with numerous product refinements, whilst retaining the triple deck screen box that enables it to produce up to four different product types plus one oversize.

Designed with maximum productivity, the QA451 incorporates a large feed hopper, two large screen boxes and extended conveyors that afford massive stockpiling capabilities.

The QA451 screenbox makes use of the tried and tested Doublescreen technology but with a unique triple deck design cementing Sandvik's position as a true world leader.

- Triple deck 6 x 1.5m (20' x 5') equivalent Doublescreen with four hydraulic folding product conveyors allowing four accurately sized products to be produced.
- Now with hydraulic folding oversize conveyor which features both hydraulic raise lower and hydraulic slew functions eliminating the need for a crane on site and minimising relocation time between sites.

- New heavy duty feeder conveyor drive system for increased machine throughput.
- New oversize chutework has a 40% larger cross section area to eliminate bottle necks and material restrictions.
- Capable of working alongside large jaw crushers, yet precise enough to produce accurate aggregate products.
- Massive stockpiling capability through integrated hydraulic conveyors.
- Fully tracked for on-site mobility, easily transported between sites.
- Available with optional vibrating grid.
- Global aftermarket support, with standard stock parts to ensure minimum loss of production.
- Capable of operating in the most hostile environments.
- Machine designed for optimum fuel economy and low operating costs.



Technical specifications

	QA451
Hopper	
Capacity	7.5 m ³ / 9.8 yd ³
Maximum capacity	11.33 m ³ / 14.8 yd ³
Type	Hydraulic Tipping Grid
Standard Aperture	128mm / 5"
Feed conveyor belt	
Width	1200mm / 3' 11"
Motor / G/Box Ratio	125cc / R 23.6:1
Belt Speed	18 m/min
Screen	
Type	2 off screenboxes, 2 Bearing 3 Deck
First screen box size	3048 x 1524mm / 10' x 5'
Second screen box size	Top 3048 x 1524 mm / 10' x 5' Mid 3048 x 1524 mm / 10' x 5' Bottom 2439 x 1524 mm / 8' x 5'
Tensioning System	Manual Ratchet
Speed	1200rpm
Throw	7.7mm
Motor	49cc x 2 off
Side Conveyors	Mid Overs RHS
Discharge Height	5130mm / 16' 10"
Width	700mm / 27.5"
Drive	Hydraulic Motor 395cc
Side Conveyors	Mid Fines LHS
Discharge Height	4915mm / 16' 9"
Width	700mm / 27.5"
Drive	Hydraulic Motor 395cc
Fines Conveyor	Fines
Discharge Height	5030mm / 16' 6"
Width	1200mm / 47"
Drive	Hydraulic Motor 395cc

Options

Central auto lube
Remote diesel pump
Water pump (hydraulic) inc spray bars
-20°C (-4°F) Arctic package
-30°C (-22°F) Arctic package
Wear resistant liners, hopper, feed boots and spreader plate
13ft tipping grid and crusher feed box
Crusher feed box to fit with vibrating grid
Canvas covers and brackets only (all conveyors)

	QA451
4th Conveyor (O/Size)	Oversize LHS
Discharge Height	4897mm / 16' 1"
Width	650mm / 25.5"
Drive	Hydraulic Motor 395cc
Length	9770mm / 32' 1"
Belt Speed	90 m/min
Raise Lower Facility	Yes Hydraulic raise lower
Hydraulic Slew	Yes Hydraulic slew
Maximum Slew Angle	now 64° from hopper
Tracks	
Length	3800mm / 12' 5"
Shoe Width	500mm / 19.5"
Power Pack	
Engine Type	CAT C4.4 75kw / 100hp
Diesel Tank Size	290 litres / 76.5 USG
Hydraulic Tank Size	370 litres / 98 USG
General technical data	
Transport dimensions	
Length	18370mm / 60' 3"
Width	3200mm / 10' 6"
Height	3550mm / 11' 8"
Operating dimensions	
Length	18802mm / 61' 8"
Width	17852mm / 58' 7"
Height	6480mm / 21' 3"
Standard weight	34,000 kg / 74,958 lbs
Performance	
Max feed size	200mm / 8"
Capacity (up to)	600MTPH / 661STPH
Travel speed	1.06K/H / 0.66MPH

Note. All weights and dimensions are for standard units only

Dust suppression spraybars complete with hosing
Pull cords on the fines, midgrade, oversize and fourth conveyor
Tail conveyor canvas covers
Double deck vibrating grid
Screening media
Lighting masts
Overband magnet and frame
Vibrating grid wing extensions

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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