

# Sandvik QA450 triple deck screen unit

## in Action

Technical specification sheet



Building upon the highly advanced features of the QA440, the QA450 introduces a triple deck screen box and extra side conveyor that enable it to produce up to a total of four product materials.

Designed with maximum productivity, the QA450 incorporates a large feed hopper, a pair of large screen boxes and extended conveyors that afford massive stockpiling capabilities.

The screenbox in the QA450 makes use of the tried and tested Doublescreen design but now 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 product conveyors allows four accurately sized products to be produced
- Capable of working alongside large jaw crushers, yet precise enough to produce accurate aggregate products

- Modern chassis design ensures in-built machine quality and strength for maximum up-time
- Fully tracked for on-site mobility
- 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
- Massive stockpiling capability through integrated hydraulic conveyors
- Easily transported from site to site
- Machine designed for optimum fuel economy and low operating costs.



## Technical specifications

	QA450
<b>Hopper</b>	
Capacity	7.5m³ / 9.8yd³
Maximum capacity	11.33m³ / 14.8yd³
Type	Hydraulically tipping grid
Grid area	2200x3600mm / 87x142"
Grid area with sides raised	2200x4400mm / 87x173"
Tipping grid angle standard	96°
Tipping grid angle vibrating grid	34°
<b>Feed conveyor belt</b>	
Width	1200mm / 47"
Length	3890mm / 153"
Motor	160cc
Gear box ratio	R 20:1
Head drum Ø	332mm / 13"
Tail drum Ø	270mm / 10.5"
<b>Main conveyor</b>	
Width	1000mm / 39"
Length	12390mm / 488"
Drive drum Ø	282mm / 11"
Tail drum Ø	270mm / 10.5"
Motor	490cc
<b>Screen</b>	
Type	2 Bearing
Decks	3 Deck
First screen box size	3048 x 1524mm / 120 x 60"
Second screen box size	Top 3048 x 1524mm / 120 x 60" Middle 3048 x 1524mm / 120 x 60" Bottom 2439 x 1524mm / 96 x 60"
Tensioning system	Ratchet
Speed	1200rpm
Throw	7.24mm
Motor	49.1cc
<b>Side conveyors</b>	
Discharge height	5000mm / 197"
Width	700mm / 27.5"
Drive	Hydraulic motor 395cc
Head drum	228mm / 9"
Tail drum	216mm / 8.5"
Length	10551mm / 415"

### Options

Hopper hardox liner plates back & sides  
 Central auto lube (conveyors/screen)  
 Dust suppression including canvas covers  
 Remote diesel pump  
 Water pump  
 -20°C / -4F Arctic package  
 -30°C / -22F Arctic package  
 Tropical / High ambient package

	QA450
<b>Oversize conveyors</b>	
Discharge height	4240mm / 177"
Width	650mm / 25.5"
Drive	Hydraulic motor 395cc
Head drum	228mm / 9"
Tail drum	216mm / 8.5"
Length	15000mm / 590"
<b>Fines conveyor</b>	
Discharge height	5210mm / 205"
Width	1200mm / 47"
Drive	Hydraulic motor 395cc
Head drum	228mm / 9"
Tail drum	216mm / 8.5"
Length	7976mm / 314"
<b>Tracks</b>	
Length	3800mm / 150"
Width	500mm / 19.5"
<b>Power pack</b>	
Engine power	2012 75kw / 100hp
Diesel tank size	290 litres / 76.5USG
Hydraulic tank size	370 litres / 98USG
<b>General technical data</b>	
<b>Transport dimensions</b>	
Length	17810mm / 58.4'
Width	2890mm / 9.5'
Height	3610mm / 11.8'
<b>Operating dimensions</b>	
Length	18210mm / 59.7'
Width	18370mm / 60.3'
Height	6480mm / 21.3'
Standard weight	34900kg / 76,941lbs
<b>Performance</b>	
Max feed size	200mm / 8"
Capacity (up to)	600 MTPH / 661 STPH
Travel speed	1.06 K/H / 0.66 MPH
Max slope climbing	20°
Max slope side to side	10°

Note. All weights and dimensions are for standard units only

Double deck vibrating grid  
 Hardox spreader plate  
 Screening media  
 Weigh scale  
 Side conveyor feed boot hardox lined  
 Lighting masts  
 Overband magnet & frame  
 Wheeled dolly

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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