

# Sandvik QA140 screen unit

## in Action

Technical specification sheet



The most compact member of the QA-series is a single screen-box screening unit that uses state of the art design technology to construct a screen for today's requirements.

With a variety of features such as diesel hydraulics to enable self-propelled tracks, new main conveyor spreader plate to allow full use of screen mesh width and remote control of tracking and grid tip functions, the QA140 is truly world class.

The QA140 is perfect for the quarry or recycling operation where durability, production and mobility are paramount.

- Capable of high production rates as machine possesses a large 3 x 1.5m (10' x 5') screening area, and high frequency double deck screen
- Powerful enough to work at the quarry face, yet compact enough for the inner city development or recycling centre
- 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
- Capable of operating in the most hostile environments
- Massive stockpiling capability through integrated hydraulic conveyors
- Easily transported from site to site
- Global aftermarket support, with standard stock parts to ensure minimum loss of production
- Machine design designed for optimum fuel economy and low operating costs.



## Technical specifications

	QA140
<b>Hopper</b>	
Capacity	2.8 m <sup>3</sup> / 3.7 yd <sup>3</sup>
Maximum capacity	6.54 m <sup>3</sup> / 8.6 yd <sup>3</sup>
Type	Hydraulically tipping grid
Grid open area	2200 x 3075 mm / 7' 2" x 10' 1"
Grid area with sides raised	2200 x 3800 mm / 7' 2" x 12' 6"
Tipping grid angle standard	96°
Tipping grid angle vibrating grid	35°
<b>Feed conveyor belt</b>	
Width	1200 mm / 3' 11"
Length	2587 mm / 8' 5"
Motor	160 cc
Gear box ratio	R 20:1
Head drum Ø	320 mm / 12"
Tail drum Ø	270 mm / 10.5"
<b>Main conveyor</b>	
Width	1000 mm / 3' 3"
Length	8867 mm / 29' 1"
Drive drum Ø	282 mm / 11"
Tail drum Ø	270 mm / 10.5"
Motor	490 cc
<b>Screenbox</b>	
Type	2 bearing
Decks	2 deck
Size	3048 x 1524 mm / 10' x 5'
Tensioning system	Ratchet
Speed	1200 rpm
Throw	6 mm
Motor	40.6 cc
<b>Side conveyors</b>	
Discharge height	4660 mm / 15' 3"
Width	700 mm / 27.5"

### Options

Central auto lube (conveyors / screen)  
 Remote diesel pump  
 Water pump (hydraulic) inc spray bars  
 -20°C (-4°F) Arctic package  
 -30°C (-22°F) Arctic package  
 Hardox liners in hopper, side conveyor feed boots and Hardox spreader plate  
 Pull cords on fines, midgrade and oversize conveyors

	QA140
Drive	Hydraulic motor 395 cc
Head drum	228 mm / 9"
Tail drum	216 mm / 8.5"
Length	9651 mm / 31' 7"
<b>Fines conveyor</b>	
Discharge height	3800 mm / 12' 5"
Width	1200 mm / 3' 11"
Drive	Hydraulic motor 395 cc
Head drum	228 mm / 9"
Tail drum	216 mm / 8.5"
Length	5576 mm / 18' 3"
<b>Tracks</b>	
Length	2920 mm / 9' 6"
Width	500 mm / 19.5"
<b>Power pack</b>	
Engine type	CAT C4.4 75 kw / 100 hp
Diesel tank size	230 litres / 61 USG
Hydraulic tank size	370 litres / 98 USG
<b>General technical data</b>	
<b>Transport dimensions</b>	
Length	14.12 m / 46' 4"
Width	2.80 m / 9' 2"
Height	3.34 m / 10' 11"
<b>Operating dimensions</b>	
Length	15.25 m / 50' 1"
Width	16.93 m / 55' 7"
Height	4.98 m / 16' 4"
Standard weight	24,298 kg / 53,600 lbs
<b>Performance</b>	
Max feed size	200 mm / 8"
Capacity (up to)	300 MTPH / 331 STPH
Travel speed	1.52 K/H / 0.94 MPH
Max slope climbing	20°
Max slope side to side	10°

Note. All weights and dimensions are for standard units only

Canvas covers and brackets only (all conveyors)  
 Dust suppression spraybars complete with hosing  
 Double deck vibrating grid  
 Double shaft shredder unit  
 Lighting mast  
 Overband magnet and support frame

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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