



# SANDVIK QA442e MOBILE DOUBLESREEN

## TECHNICAL SPECIFICATION

Introducing the Sandvik QA442e track mobile, hybrid 2-deck sizing screen. The latest evolution of the Sandvik QA Series products and Doublescreen technology. The QA442e has been developed with uptime, productivity and lower cost of ownership in mind. The QA442e is capable of producing large volumes of high specification products. Featuring two double-deck inline screen boxes with equal size screen decks each providing 9 m<sup>3</sup> /100 sq. ft of screening area. The primary screen performs as a fines extractor, whilst the secondary screen performs as a grader. Two processes on one plant, offering exceptional flexibility, excellent separation, accurate grading and massive throughput.

### KEY BENEFITS

Reliability	<ul style="list-style-type: none"><li>- Wear resistant liners in hopper and side conveyor feed boots</li><li>- Feeder load sensing facility to prevent blockages and unnecessary downtime</li><li>- New Doublescreen set-up, with improved access, for faster screen media changes</li><li>- Increased durability, upgraded tipping grid, screen drives and hydraulic cylinders</li><li>- Rear folding mid fines conveyor, easier to load for transport</li></ul>
Productivity	<ul style="list-style-type: none"><li>- World class Doublescreen design with double deck 6 x 1.50 m / 20' x 5' equivalent, enabling high throughput</li><li>- Doublescreen offers greater adjustability, increased accuracy and higher screening efficiencies</li><li>- Two Equal size screen decks each providing 9 m<sup>3</sup> /100 sq. ft of screening area</li><li>- Independent angle adjustment on primary screen – increased screening efficiency</li><li>- NEW adjustable screenbox throws via removable flywheel weights – increased screening adjustment</li><li>- Versatile unit, capable of producing large volumes of high specification product</li><li>- Large stockpiling capability through integrated hydraulic conveyors</li><li>- User friendly PLC control system with sequential start-stop for speed and ease of set-up</li><li>- Choice of screen media to suit a wide range of applications</li><li>- Connected to Sandvik My Fleet with 7 year data subscription, 24/7 fleet management, geo-fencing and remote support</li></ul>
Cost of ownership	<ul style="list-style-type: none"><li>- Hydraulic service intervals increased from 2000 hrs to 4000 hrs, subject to oil sampling</li><li>- Hybrid “e” drive option with electric plug-in to run in diesel or electric mode</li></ul>
Safety	<ul style="list-style-type: none"><li>- Mandatory audible and visual warning for safe operation whilst tracking and start-up / shut down</li><li>- Emergency stop buttons and conveyor pull stop cords around the plant for easy access during operation</li><li>- Wireless radio handset and two speed control for safe tracking onsite</li><li>- Wrap-around hydraulically operated maintenance platforms provide safe access for service and maintenance</li></ul>
Sustainability	<ul style="list-style-type: none"><li>- Lower environmental impact due to reduced fuel consumption, less operating noise and low emissions</li><li>- Up to 50 % less hydraulic oil consumed over 10,000 hrs of machine usage, (subject to oil sampling)</li><li>- Dust suppression spray bars and onboard water pump to minimize dust, improving operator and onsite safety</li><li>- Hybrid “e” drive lets you choose your most economical and efficient energy source</li></ul>





KEY SPECIFICATIONS	QA442e
Hopper	
Capacity	11.33 m <sup>3</sup> / 14.8 yd <sup>3</sup>
Type	Hydraulic tipping grid
Standard aperture	128 mm / 5"
Feed conveyor belt	
Width	1200 mm / 47"
Length	3.89 m / 12' 9"
Belt speed	18 m / min
Screen box	
Type	Doublescreen
Decks	2 deck
Primary screen size	3.04 m x 1.52 m / 10' x 5' Equal size Decks, media interchangeable
Secondary screen size	3.04 m x 1.52 m / 10' x 5' Equal size Decks, media interchangeable
Tensioning system	Ratchet
Speed	1200 rpm
Throw	7.7 mm
Side conveyor (Midsized) RHS	
Discharge height	5.33 m / 17' 6"
Width	700 mm / 28"
Side conveyor (Oversize) LHS	
Discharge height	5.07 m / 16' 7"
Width	700 mm / 28"
Fines conveyor	
Discharge height	4.94 m / 16' 2"
Width	1200 mm / 47"

KEY SPECIFICATIONS	QA442e
Tracks	
Length (centres)	3.80 m / 12' 5"
Width (shoe)	500 mm / 20"
Control	Radio / Umbilical two speed
Power pack	
Engine	CAT C4.4 Stage 5 / T4F 98 kW / 132 hp EU C Speed 3A 98 kW / 132 hp LRC Stage 3A 96 kW / 129 hp CAT NR4 (China) 110 kW / 147 hp JCB Stage 5 97 kW / 130 hp JCB T4F 93 kW / 125 hp JCB 3A ROW 97 kW / 130 hp
Diesel tank size	340 litres / 90 USG
Hydraulic tank size	630 litres / 166 USG
Transport dimensions	
Length	18.25 m / 59' 10"
Width	3.00 m / 9' 10"
Height	3.60 m / 11' 10" *
Standard weight	33,000 kg / 72,752 lbs
Operating dimensions	
Length	19.05 m / 62' 6"
Width	19.75 m / 64' 10"
Height	6.20 m / 20' 4"
Performance	
Max feed size	200 mm / 8"
Capacity (up to)	600 mtp/h / 661 stph **
Travel speed	1.06 km/h / 0.66 mph
Max incline / Side to side	20° / 10°

Note. All weights and dimensions are for standard units only

## STANDARD SPECIFICATION

Main conveyor complete with anti roll back  
 Radio control tracking, 2 speed  
 Variable speed feed conveyor  
 Hydraulic levelling legs on hopper  
 Hydraulic folding walkways  
 Light mast and cabinet lights  
 3 hydraulic folding discharge conveyors  
 Improved powerpack access via revised side conveyor folding  
 Doublescreen c/w independent angle adjustment  
 Adjustable screenbox throws via removable flywheel weights  
 Hydraulic screen separation  
 Wear resistant liners in hopper and side conveyor feed boots  
 Dust suppression spray nozzles  
 Hydraulic water pump  
 Pull stop cords on all discharge conveyors  
 My Fleet telematics with 7 year data subscription

For option availability please speak with your local Sandvik representative

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