



SANDVIK QA442 MOBILE DOUBLESREEN

TECHNICAL SPECIFICATION

Introducing the Sandvik QA442 track mobile, 2-deck sizing screen. The latest evolution of the Sandvik QA Series products and Doublescreen technology. The QA442 has been developed with uptime, productivity and lower cost of ownership in mind. The QA442 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 m³ /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"> - Wear resistant liners in hopper and side conveyor feed boots - Feeder load sensing facility to prevent blockages and unnecessary downtime - Upgraded tipping grid structure and pivot points for increased durability - Capable of operating in the most hostile environments
Productivity	<ul style="list-style-type: none"> - World class Doublescreen design with double deck 6 x 1.50 m / 20' x 5' equivalent, enabling high throughput - Doublescreen offers greater adjustability, increased accuracy and higher screening efficiencies - Two equal size screen decks each providing 9 m³ /100 sq. ft of screening area - Independent angle adjustment on primary screen – increased screening efficiency - New screen throws can be adjusted to suit different applications by adding or removing flywheel weights - Versatile unit, capable of producing large volumes of high specification product - Large stockpiling capability through integrated hydraulic conveyors - User friendly PLC control system with sequential start-stop for speed and ease of set-up - Choice of screen media to suit a wide range of applications - Connected to Sandvik My Fleet with 7 year data subscription, 24/7 fleet management, geo-fencing and remote support
Cost of ownership	<ul style="list-style-type: none"> - Latest generation fuel efficient engines provide maximum performance and cost efficiency - Reduced fuel consumption through optimized hydraulic system and lower engine RPM - Hydraulic service intervals increased from 2000 hrs to 4000 hrs, subject to oil sampling - Well-proportioned fuel tank to maximize intervals between refuelling - Hybrid "e" drive option with electric plug-in to run in diesel or electric mode
Safety	<ul style="list-style-type: none"> - Mandatory audible and visual warning for safe operation whilst tracking and start-up / shut down - Emergency stop buttons and conveyor pull stop cords around the plant for easy access during operation - Wireless radio handset and two speed control for safe tracking onsite - Wrap-around hydraulically operated maintenance platforms provide safe access for service and maintenance
Sustainability	<ul style="list-style-type: none"> - Latest generation fuel efficient powerpack, reduced emissions onsite and optimum fuel economy - Lower environmental impact due to reduced fuel consumption, less operating noise and low emissions - Up to 50 % less hydraulic oil consumed over 10,000 hrs of machine usage, (subject to oil sampling) - Dust suppression spray bars and onboard water pump to minimize dust, improving operator and onsite safety - Hybrid "e" drive lets you choose your most economical and efficient energy source





KEY SPECIFICATIONS	QA442
Hopper	
Capacity	11.33 m ³ / 14.8 yd ³
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'
Secondary screen size	3.04 m x 1.52 m / 10' x 5'
	Equal size Decks
	Interchangeable media
Combined screen size	6.08 m x 1.52 m / 20' x 5'
Screen area per deck	9 m ² / 100 ft ²
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	5.44 m / 17' 10"
Width	1200 mm / 47"

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 with independent angle adjustment
 Adjustable screen box 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
 Sandvik reserves the right to make changes to the information on this data sheet without prior notification to users

KEY SPECIFICATIONS	QA442
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
	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	3.0 m / 9' 10"
Height	3.60 m / 11' 10"
Standard weight	33,000 kg / 72,753 lbs
Operating dimensions	
Length	18.89 m / 62'
Width	18.73 m / 61' 5"
Height	6.59 m / 21' 7"
Performance	
Max feed size	200 mm / 8"
Capacity (up to)	600 mtph / 661 stph **
Travel speed	1.0 km/h / 0.66 mph
Max incline / Side to side	20° / 10°

Note. All weights and dimensions are for standard units only