



Sandvik QA442

Tracked Doublescreen

Introducing the Sandvik QA442 tracked mobile, 2-deck sizing screen. 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

- 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

- 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

- 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

- 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

- 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

Technical specification

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 (Midsize) 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"

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 mtpb / 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	
*** Lesser regulated countries	

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

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