Sandvik QA442e

Tracked Doublescreen

Sandvik QA442e has been developed with uptime, productivity and lower cost of ownership in mind. Capable of producing large volumes of high specification products, it features two double-deck inline screen boxes with equal size screen decks each providing 9m³ / 100 sq. ft of screening area. Fitted with hybrid drive option, this model provides the flexibility to operate in diesel or electric mode for lower operating costs and reduced carbon footprint.



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 stricture 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 9m³ / 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
- Hydraulic service intervals increased from 2000 hrs to 4000 hrs, subject to oil sampling
- 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
- 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

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Key specifications	QA442e
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 m2 / 100 ft2
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	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 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	34,000 kg / 74,957 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	20º / 10º

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 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
- My Fleet telematics with 7 year data subscription
- Dust suppression spray nozzles
- Hydraulic water pump
- Pull stop cords on all discharge conveyors *

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