Sandvik QA452e

Tracked Doublescreen

Sandvik QA452e 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 triple 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
- New Doublescreen set-up, with improved access, for faster screen media changes
- Increased durability, upgraded tipping grid, screen drives and hydraulic cylinders
- Rear folding mid fines conveyor, easier to load for transport

Productivity
- World class Doublescreen design with triple deck 6 x 1.50 m / 20' x 5' equivalent, enabling high throughput
- Doublescreen offers greater adjustability, increased accuracy and higher screening efficiencies
- Three equal size screen decks each providing 9m3 /100 sq. ft of screening area
- 11% longer bottom deck, more screen area, extract more fines
- Independent angle adjustment on primary screen – increased screening efficiency
- New oversize cross conveyor – handles more oversize material
- 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
- 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
- Oversize conveyor features both hydraulic raise / lower and slew functions eliminating the need for a crane on site

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

SANDVIK

© Sandvik 2024 SANDVIK is a registered trademark owned by Sandvik Intellectual Property AB in Sweden and other countries. Subject to change without notice.

Key specifications	QA452e
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	3 deck
Primary screen box size	3.04 m x 1.52 m / 10’ x 5’ Equal size decks, media interchangeable
Secondary screen box 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 (Mid oversize) RHS	
Discharge height	5.13 m / 16’ 10”
Width	700 mm / 28”
Side conveyor (Mid fines) LHS	
Discharge height	4.91 m / 16’ 1”
Width	700 mm / 28”
Fines conveyor	
Discharge height	5.44 m / 17’ 10”
Width	1200 mm / 47”

Key specifications	QA452e
Oversize cross conveyor	
Width	650 mm / 26”
Reversible	Yes
4th Conveyor (oversize) LHS	
Discharge height	4.89 m / 16’ 1”
Width	650 mm / 26”
Belt speed	111 m / min
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 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
Hybrid drive	JCB 3A ROW 97 kW / 130 hp 2 x 37 kW motors
Diesel tank size	340 litres / 90 USG
Hydraulic tank size	630 litres / 166 USG
Transport dimensions	
Length	18.37 m / 60’ 3”
Width	3.20 m / 10’ 5”
Height	3.55 m / 11’ 8”
Standard weight	35,800 kg / 81,130 lbs
Operating dimensions	
Length	18.91 m / 62’
Width	19.18 m / 62’ 11”
Height	6.90 m / 22’ 8”
Performance	
Max feed size	200 mm / 8”
Capacity (up to)	600 mtph / 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
*** Lesser regulated countries

Standard specification

- Light mast and cabinet lights *
- Radio control tracks 2 speed
- Hydraulic folding maintenance platforms
- Hydraulic levelling legs on hopper
- Wear resistant liners in hopper and side conveyor feed boots
- Main conveyor complete with anti-roll back
- Variable speed feed conveyor
- 3 hydraulic folding discharge conveyors
- Pull stop cords on all discharge conveyors *
- Dust suppression spray nozzles
- Hydraulic water pump
- My Fleet telematics with 7 year data subscription

* Variant dependent ** 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

SANDVIK