



QA451 DOUBLESCREEN PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

Building upon the highly advanced features of the QA440 and original QA450, the QA451 represents the second generation product with numerous product refinements, whilst retaining the triple deck screen box that enables it to produce up to four different product types plus one oversize.

Designed with maximum productivity, the QA451 incorporates a large feed hopper, two large screen boxes and extended conveyors that afford massive stockpiling capabilities.

The QA451 screenbox makes use of the tried and tested Doublescreen technology but with a unique triple deck design cementing Sandvik's position as a true world leader.

KEY BENEFITS

- Triple deck 6 x 1.5 m / 20' x 5' equivalent Doublescreen with four hydraulic folding product conveyors allowing four accurately sized products to be produced.
- Now with hydraulic folding oversize conveyor which features both hydraulic raise lower and hydraulic slew functions eliminating the need for a crane on site and minimising relocation time between sites.
- New heavy duty feeder conveyor drive system for increased machine throughput.
- New oversize chutework has a 40% larger cross section area to eliminate bottle necks and material restrictions.
- Capable of working alongside large jaw crushers, yet precise enough to produce accurate aggregate products.
- Massive stockpiling capability through integrated hydraulic conveyors.
- Fully tracked for on-site mobility, easily transported between sites.
- Available with optional vibrating grid.
- Global aftermarket support, with standard stock parts to ensure minimum loss of production.
- Capable of operating in the most hostile environments.
- Machine designed for optimum fuel economy and low operating costs.



KEY SPECIFICATIONS	QA451
Hopper	
Capacity	7.5 m ³ / 9.8 yd ³
Maximum capacity	11.33 m ³ / 14.8 yd ³
Type	Hydraulic tipping grid
Standard aperture	128 mm / 5"
Feed conveyor belt	
Width	1200 mm / 3' 11"
Motor / Gearbox ratio	125 cc / R 23:1
Belt speed	18 m / min
Screen	
Type	2 bearing
Decks	3 deck
First screen box size	3048 x 1524 mm / 10' x 5'
Second screen box size	Top 3048 x 1524 mm / 10' x 5' Mid 3048 x 1524 mm / 10' x 5' Bottom 2439 x 1524 mm / 8' x 5'
Tensioning system	Manual ratchet
Speed	1200 rpm
Throw	7.7 mm
Motor	49 cc x 2 off
Side conveyor (Mid overs) RHS	
Discharge height	5130 mm / 16' 10"
Width	700 mm / 27.5"
Drive	Hydraulic motor 395 cc
Side conveyor (Mid fines) LHS	
Discharge height	4915 mm / 16' 9"
Width	700 mm / 27.5"
Drive	Hydraulic motor 395 cc
Fines conveyor	
Discharge height	5030 mm / 16' 6"
Width	1200 mm / 47"
Drive	Hydraulic motor 395 cc

KEY SPECIFICATIONS	QA451
4th Conveyor (oversize) LHS	
Discharge height	4897 mm / 16' 1"
Width	650 mm / 25.5"
Drive	Hydraulic motor 395 cc
Length	9770 mm / 32' 1"
Belt speed	111 m / min
Raise lower facility	Yes hydraulic raise lower
Hydraulic slew	Yes hydraulic slew
Maximum slew angle	now 64° from hopper
Tracks	
Length	3800 mm / 12' 5"
Shoe width	500 mm / 19.5"
Power pack	
Engine type	CAT C4.4 74.5 kw / 100 hp
Diesel tank size	290 litres / 76.5 USG
Hydraulic tank size	370 litres / 98 USG
Transport dimensions	
Length	18,370 mm / 60' 3"
Width	3200 mm / 10' 6"
Height	3550 mm / 11' 8"
Operating dimensions	
Length	18,802 mm / 61' 8"
Width	17,852 mm / 58' 7"
Height	6479 mm / 21' 3"
Standard weight	34,000 kg / 74,957 lbs
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

OPTIONS

Central auto lube
 Remote diesel pump
 Water pump (hydraulic) inc spray bars
 -20°C (-4°F) Arctic package
 -30°C (-22°F) Arctic package
 Wear resistant liners, hopper, feed boots and spreader plate
 13ft tipping grid and crusher feed box
 Crusher feed box to fit with vibrating grid
 Canvas covers and brackets only (all conveyors)
 Dust suppression spraybars complete with hosing
 Pull cords on the fines, midgrade, oversize and fourth conveyor
 Tail conveyor canvas covers
 Double deck vibrating grid
 Screening media

Lighting masts
 Overband magnet and frame
 Vibrating grid wing extensions