



QE442 FREE FLOW SCALPING SCREEN PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

The QE442 Free Flow provides you with two screening solutions in one unit. The heavy duty scalping screen allows you to process large un-screened material on the top deck, whilst providing a fine screening solution for difficult to screen material on the bottom deck. It is your ideal solution for materials with a high fines content, such as soils, aggregates, ores, waste, biomass and other waste derived fuels including products with high moisture contents.

Featuring a highly productive 18' x 6' / 5.4 x 1.75 m Free Flow screen, this incorporates a rigid scalping top deck and a dual motion lower screen deck. The powerful snapping of the bottom deck media generates an active "flip-flow" material movement which generates a huge throw that propels material upwards and outwards separating material as it does so and thereby eliminating plugging and blockages.

This mobile solution offers the user-friendly features of the 2-Series screens including an electrical control system, which improves both operational effectiveness and machine safety. The QE442 also comes equipped with 2 speed radio control tracking as standard.

KEY BENEFITS

- Heavy duty top deck scalping screen allows you to process large un-screened material.
- Aggressive Free Flow screen with a wide range of adjustable throws and speeds enables the bottom deck to be tailored for numerous applications.
- Dual motion Free Flow lower deck featuring polyurethane mats generates a huge throw and eliminates plugging and blockages.
- Highly efficient and easy-to-use electrical control system with colour coded numerical push buttons for ease of operation.
- Heavy duty crusher-type chassis designed to accommodate interchangeable side conveyors and compatible for 2-way or 3-way split configurations.
- Modular design screen box for easy replacement of screen media.
- Feeder load sensing facility to prevent blockages and unnecessary downtime.
- Massive stockpiling capability through integrated hydraulic conveyors.
- Spacious and easily accessible hydraulically folding maintenance platforms fitted.
- Radio controlled two speed tracks.
- My Fleet remote monitoring system.



KEY SPECIFICATIONS	QE442 FREE FLOW
Hopper	
Capacity	8.5 m ³ / 11.1 yd ³
Type	One piece wear resistant construction
Feeder apron conveyor	
Gearbox ratio	15:1 ratio
Belt speed (adjustable)	17 m / min (max)
Oversize conveyor	
Width	1600 mm / 63"
Discharge angle (adjustable)	18° to 25°
Discharge height (adjustable)	3.60 m / 11' 10" - 4.30 m / 14' 1"
Side conveyor (midsize)	
Width	900 mm / 36"
Discharge angle (adjustable)	18° to 25°
Discharge height (adjustable)	4000 mm / 13' 1"
Conveyor (fines)	
Width	1000 mm / 39"
Discharge angle (adjustable)	20° to 25°
Discharge height (adjustable)	4286 mm / 14' 1"
Conveyor	
Width	1400 mm / 4' 7"

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Screen box	
Top deck	4 off modular cassettes, side tension / bolted
Top deck screen size	5398 mm x 1730 mm / 17' 8" x 5' 8"
Top deck screen area	9.34 m ² / 11 yd ³
Bottom deck	17 off polyurethane Free Flow mats, wedge fastened
Bottom deck screen size	5000 mm x 1750 mm / 16' 5" x 6'
Bottom deck screen area	9 m ² / 10.7 yd ³
Variable screen angles	11° to 17°
Tracks	
Length	3800 mm / 12' 5"
Width	500 mm / 20"
Power pack	
Engine type	CAT C4.4 Tier 3 96 kW / 129 hp CAT C4.4 Stage 3A Constant Speed 98 kW / 132 hp CAT C4.4 T4F 98 kW / 132 hp CAT C4.4 Stage 5 / T4F 110 kW / 147 hp
Diesel tank size	460 litres / 121.5 USG
Hydraulic tank size	800 litres / 211 USG
Transport dimensions	
Length	16,330 m / 53' 7"
Width	3200 m / 10' 6"
Height	3500 m / 11' 6"
Standard weight	37,070 kg / 81,725 lbs
Operating dimensions	
Length	16,820 m / 55' 2"
Width	14,560 m / 47' 9"
Height	4680 m / 15' 4"
Performance	
Max feed size	200 mm ³ / 8"
Capacity (up to)	400 mtph / 441 stph
Travel speed	0.9 km/h / 0.55 mph slow 1.6 km/h / 1.0 mph fast
Max slope climbing / side to side	20° / 10°

Note. All weights and dimensions are for standard units only

STANDARD FEATURES

- Lighting mast and cabinet lights
- Radio control tracks 2 speed
- Hydraulic folding maintenance platforms
- Stabilizing legs
- Wear resistant liners in hopper and both side conveyor feed boots
- Hopper extensions for rear loading
- 3 hydraulic folding conveyors
- Heavy Duty bearings
- My Fleet telematics

*For option availability please contact your local Sandvik representative.