## SANDVIK

## SANDVIK QE442e FREE FLOW MOBILE SCALPER

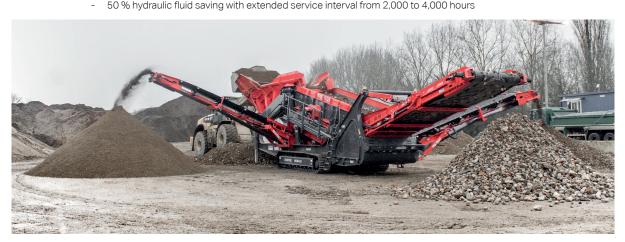


TECHNICAL SPECIFICATION

The QE442e Free Flow provides you with a versatile and highly efficient mobile solution for difficult to screen materials, without any of the plugging or blockages often experienced with traditional screens. 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	- Premium components selected throughout for maximum durability
	- Proven reliability and high performance
	- Capable of operating in the most hostile environments
	<ul> <li>Heavy duty chassis designed to accommodate interchangeable side conveyors and compatible for 2-way or 3-wa split configurations</li> </ul>
	<ul> <li>Large capacity wear resistant hopper with one-piece hopper design to minimize set-up time</li> </ul>
	<ul> <li>Feeder load sensing facility to prevent blockages and unnecessary downtime</li> </ul>
Productivity	- Heavy duty top deck scalping screen allows you to process large un-screened material
	<ul> <li>Aggressive Free Flow screen with wide range of adjustable throws and speeds enables the bottom deck to be tailored for numerous applications</li> </ul>
	<ul> <li>Dual motion Free Flow lower deck featuring polyurethane mats generates a huge throw and eliminates plugging and blockages</li> </ul>
	<ul> <li>Large stockpiling capability through integrated hydraulic conveyors</li> </ul>
	<ul> <li>User friendly PLC control system with sequential start-stop for speed and ease of set-up</li> </ul>
	- Choice of screen media to suit a wide range of applications
	- Interchangeable side conveyors, which are compatible for 2-way or 3-way split operation
	- Quick to set-up and easy to transport, resulting in more uptime and higher productivity
	- Connected to Sandvik My Fleet with 7 year data subscription offering 24/7 fleet management, geo-fencing and remote operator support
Cost of	- Latest generation fuel efficient engines provide maximum performance and cost efficiency
ownership	<ul> <li>Reduced fuel consumption through optimized hydraulic system and reduced engine RPM</li> </ul>
	<ul> <li>Well-proportioned fuel tank to maximize intervals between refueling</li> </ul>
	<ul> <li>Hydraulic service intervals increased from 2000 hrs to 4000 hrs, subject to oil sampling</li> </ul>
	- Hybrid "e" drive with electric plug-in to run in diesel or electric mode for lower operating costs
Safety	- Mandatory audible and visual warning for safe operation whilst tracking and start-up / shut down
	<ul> <li>Emergency stop buttons and conveyor pull stop cords around the plant for easy access during operation</li> </ul>
	- Wireless radio handset and two speed control for safe tracking onsite
	- Wrap-around hydraulically operated maintenance platforms provide safe access for service and maintenance
	- Screen box jack up facility allows safe and easy access to the bottom deck for maintenance and media changes
Sustainability	- Hybrid "e" drive reduces carbon emissions and minimizes fuel handling onsite
	<ul> <li>Latest emissions compliant engine lowers environmental impact due to reduced fuel consumption, less operating noise and low emissions</li> </ul>
	- 50 % hydraulic fluid saving with extended service interval from 2,000 to 4,000 hours





KEY SPECIFICATIONS	QE442e FREE FLOW
Hopper	
Width Length Capacity Type	3140 mm / 10' 3" 5720 mm / 18' 8" 8.5 m³ / 11.1 yd³ One-piece wear resistant
Feeder	
Type Width Belt speed (adjustable)	Heavy duty belt 1300 mm / 51" 17 m / min (max)
Oversize conveyor	
Width Discharge angle (adjustable) Discharge height (adjustable)	1600 mm / 63" 18° to 25° 3600 mm / 11' 10" - 4300 mm / 14' 1"
Side conveyor (midsize)	
Width Discharge angle (adjustable) Discharge height (adjustable)	900 mm / 36" 18° to 25° 4000 mm / 13' 1"
Side conveyor (fines)	
Width Discharge angle (adjustable) Discharge height (adjustable)	1000 mm / 39" 20° to 25° 4280 mm / 14' 1"
Transfer conveyor	
Width	1400 mm / 55"

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Screen box	
Top deck	4 off modular cassettes, side tension / bolted
Top deck screen size	5390 mm x 1730 mm / 17' 8" x 5' 8'
Top deck screen area Bottom deck	9.34 m <sup>2</sup> / 11 yrd <sup>3</sup> 17 off polyurethane Free Flow
Bottom deck screen size Bottom deck screen area Variable screen angles	mats, wedge fastened 5000 mm x 1750 mm / 16' 5" x 6 9 m² / 10.7 yrd³ 11° to 17°
Tracks	
Length (centres) Width (shoe) Control	3800 mm / 12' 5" 500 mm / 20" Radio / Umbilical
Power pack	
Engine	CAT C4.4 Stage 5 / T4F 110 kW / 147 hp CAT C4.4 Stage 3A constant speed 98 kW / 132 hp
Hybrid drive	2 (x 45 kW / 60 hp)
Diesel tank size Hydraulic tank size	460 litres / 121.5 USG 400 litres / 105 USG
Transport dimensions	
Length	16.33 m / 53' 7"
Width Height	3.20 m / 10' 6" 3.50 m / 11' 6"
Standard weight	38,267 kg / 84,364 lbs
Operating dimensions	
Length Width Height	16.82 m / 55′ 2″ 14.56 m / 47′ 9″ 4.68 m / 15′ 4″
Performance	
Max feed size Capacity (up to) Travel speed	200 mm <sup>3</sup> / 8" 400 mtph / 441 stph * 0.9 km/h / 0.55 mph slow 1.6 km/h / 1.0 mph fast
Max incline / Side to side	20°/10°
	20° / 10° sions are for standard units onl

## STANDARD SPECIFICATION

Light 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 Toughflex belt Variable speed feed conveyor 3 hydraulic folding discharge conveyors Heavy duty bearings My Fleet telematics Pull stop cords on all conveyors

For option availability please speak with your local Sandvik representative

\* 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