



# SANDVIK QE442 MOBILE SCALPER

## TECHNICAL SPECIFICATION

The QE442 is the largest in the heavy-duty range of Sandvik mobile scalpers. Designed for the large-scale aggregate producer, it is reliable, versatile and boasts high throughput, with the fines conveyor alone able to handle up to 900 TPH.

### KEY BENEFITS

<b>Reliability</b>	<ul style="list-style-type: none"><li>- Premium components selected throughout and FEA analysis on structural parts for durability</li><li>- Proven reliability and high performance</li><li>- Capable of operating in the most hostile environments</li><li>- Heavy duty chassis designed to accommodate interchangeable side conveyors and compatible for 2-way or 3-way split configurations</li><li>- Large capacity wear resistant hopper with one-piece hopper design to minimize set-up time</li><li>- Feeder load sensing facility to prevent blockages and unnecessary downtime</li></ul>
<b>Productivity</b>	<ul style="list-style-type: none"><li>- Class leading open scalping area enabling it to deliver enormous rates of production</li><li>- Heavy duty 18' x 6' / 5.48 m x 1.75 m screen box with high speed and aggressive throw for optimum throughput</li><li>- Large stockpiling capability through integrated hydraulic conveyors</li><li>- User friendly PLC control system with sequential start-stop for speed and ease of set-up.</li><li>- Choice of screen media to suit a wide range of applications</li><li>- Interchangeable side conveyors, which are compatible for 2-way or 3-way split operation</li><li>- Quick to set-up and easy to transport, resulting in more uptime and higher productivity</li><li>- Connected to Sandvik My Fleet with 7 year data subscription offering 24/7 fleet management, geo-fencing and remote operator support</li></ul>
<b>Cost of ownership</b>	<ul style="list-style-type: none"><li>- Latest generation fuel efficient engines provide maximum performance and cost efficiency</li><li>- Reduced fuel consumption through optimized hydraulic system and reduced engine RPM</li><li>- Well-proportioned fuel tank to maximize intervals between refueling</li><li>- Reduced cost of ownership through extended hydraulic fluid change intervals from 2000 hrs to 4000 hrs</li><li>- Hybrid "e" drive option with electric plug-in to run in diesel or electric mode for lower operating costs</li></ul>
<b>Safety</b>	<ul style="list-style-type: none"><li>- Mandatory audible and visual warning for safe operation whilst tracking and start-up / shut down</li><li>- Emergency stop buttons and conveyor pull stop cords around the plant for easy access during operation</li><li>- Wireless radio handset and two speed control for safe tracking onsite</li><li>- Hydraulically folding maintenance platforms provide safe access for service and maintenance</li><li>- Screen box jack up facility allows safe and easy access to the bottom deck for maintenance and media changes</li></ul>
<b>Sustainability</b>	<ul style="list-style-type: none"><li>- Latest emissions compliant engine lowers environmental impact due to reduced fuel consumption, less operating noise and low emissions</li><li>- 50 % hydraulic fluid saving with extended service interval from 2,000 to 4,000 hours</li><li>- Hybrid "e" drive option reduces carbon emissions and minimizes fuel handling onsite</li></ul>





KEY SPECIFICATIONS	QE442
<b>Hopper</b>	
Width	3140 mm / 10' 3"
Length	5720 mm / 18' 8"
Capacity	8.5 m <sup>3</sup> / 11.1 yd <sup>3</sup>
Type	One-piece wear resistant
<b>Feeder</b>	
Type	Steel apron or heavy duty belt
Width	1300 mm / 51"
<b>Oversize conveyor</b>	
Width	1600 mm / 63"
Discharge angle (adjustable)	18° to 25°
Discharge height (adjustable)	3600 mm / 11' 10" - 4300 mm / 14' 1"
<b>Side conveyor (midsize)</b>	
Width	900 mm / 36"
Discharge angle (adjustable)	18° to 25°
Discharge height (adjustable)	4000 mm / 13' 1"
<b>Side conveyor (fines)</b>	
Width	1000 mm / 39"
Discharge angle (adjustable)	20° to 25°
Discharge height (adjustable)	4280 mm / 14' 1"
<b>Transfer conveyor</b>	
Width	1400 mm / 4' 7"

## 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 (with belt feeder)  
 Variable speed feed conveyor  
 3 hydraulic folding discharge conveyors  
 Heavy duty bearings  
 My Fleet telematics  
 Pull stop cords on all conveyors

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<b>Screen box</b>	
Type	2 bearing
Decks	2 deck
Top deck	5480 mm x 1750 mm / 18' x 6'
Bottom deck	5000 mm x 1750 mm / 16' 5" x 6'
Variable screen angles	11° to 17°
<b>Tracks</b>	
Length (centres)	3800 mm / 12' 5"
Width (shoe)	500 mm / 20"
Control	Radio / Umbilical
<b>Power pack</b>	
Engine	CAT C4.4 Stage 5 / T4F 110 kW / 147 hp CAT C4.4 Stage 3A constant speed 98 kW / 132 hp
Diesel tank size	460 litres / 121.5 USG
Hydraulic tank size	400 litres / 105 USG
<b>Transport dimensions</b>	
Length	16.33 m / 53' 7"
Width	3.20 m / 10' 6"
Height	3.50 m / 11' 6"
Standard weight	36,687 kg / 80,991 lbs
<b>Operating dimensions</b>	
Length	16.82 m / 55' 2"
Width	14.56 m / 47' 9"
Height	4.68 m / 15' 4"
<b>Performance</b>	
Max feed size	800 mm <sup>3</sup> / 28"
Capacity (up to)	900 mtp / 992 stph *
Travel speed	0.9 km/h / 0.55 mph slow 1.6 km/h / 1.0 mph fast
Max incline / Side to side	20° / 10°

Note. All weights and dimensions are for standard units only

For option availability please speak with your local Sandvik representative

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