



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

Reliability	<ul style="list-style-type: none">- Premium components selected throughout and FEA analysis on structural parts for durability- Proven reliability and high performance- Capable of operating in the most hostile environments- Heavy duty chassis designed to accommodate interchangeable side conveyors and compatible for 2-way or 3-way split configurations- Large capacity wear resistant hopper with one-piece hopper design to minimize set-up time- Feeder load sensing facility to prevent blockages and unnecessary downtime
Productivity	<ul style="list-style-type: none">- Class leading open scalping area enabling it to deliver enormous rates of production- Heavy duty 18' x 6' / 5.48 m x 1.75 m screen box with high speed and aggressive throw for optimum throughput- Large stockpiling capability through integrated hydraulic conveyors- User friendly PLC control system with sequential start-stop for speed and ease of set-up.- 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
Cost of ownership	<ul style="list-style-type: none">- Latest generation fuel efficient engines provide maximum performance and cost efficiency- Reduced fuel consumption through optimized hydraulic system and reduced engine RPM- Well-proportioned fuel tank to maximize intervals between refueling- Reduced cost of ownership through extended hydraulic fluid change intervals from 2000 hrs to 4000 hrs- Hybrid drive option with electric plug-in to run in diesel or electric mode
Safety	<ul style="list-style-type: none">- 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- Hydraulically folding 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- Lower environmental impact due to reduced fuel consumption, less operating noise and low emissions
Support	<ul style="list-style-type: none">- Connected to Sandvik My Fleet with 7 year data subscription. Benefits include 24/7 fleet management, geo-fencing and remote operator support- Extensive global distributor and sales support network- Global aftermarket support, with standard stock parts to ensure minimum loss of production





KEY SPECIFICATIONS	QE442
Hopper	
Width	3.14 m / 10' 3"
Length	5.72 m / 18' 8"
Capacity	8.5 m ³ / 11.1 yd ³
Type	One-piece wear resistant
Feeder	
Type	Steel apron or heavy duty belt
Width	1.30 m / 51"
Oversize conveyor	
Width	1.60 m / 63"
Discharge angle (adjustable)	18° to 25°
Discharge height (adjustable)	3.60 m / 11' 10" - 4.30 m / 14' 1"
Side conveyor (midsized)	
Width	900 mm / 36"
Discharge angle (adjustable)	18° to 25°
Discharge height (adjustable)	4.00 m / 13' 1"
Side conveyor (fines)	
Width	1.00 m / 39"
Discharge angle (adjustable)	20° to 25°
Discharge height (adjustable)	4.28 m / 14' 1"
Transfer conveyor	
Width	1.40 m / 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

KEY SPECIFICATIONS	QE442
Screen box	
Type	2 bearing
Decks	2 deck
Top deck	5.48 m x 1.75 m / 18' x 6'
Bottom deck	5.00 m x 1.75 m / 16' 5" x 6'
Variable screen angles	11° to 17°
Tracks	
Length (centres)	3.80 m / 12' 5"
Width (shoe)	500 mm / 20"
Control	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
Diesel tank size	460 litres / 121.5 USG
Hydraulic tank size	400 litres / 105 USG
Transport dimensions	
Length	16.33 m / 53' 7"
Width	3.20 m / 10' 6"
Height	3.50 m / 11' 6"
Standard weight	35,485 kg / 76,026 lbs
Operating dimensions	
Length	16.82 m / 55' 2"
Width	14.56 m / 47' 9"
Height	4.68 m / 15' 4"
Performance	
Max feed size	800 mm ³ / 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
 Sandvik reserves the right to make changes to the information on this data sheet without prior notification to users