

Sandvik QE342

Tracked scalper

The QE342 heavy duty, tracked mobile scalping screen is designed to meet the requirements of operators who need a high performing, versatile unit that is easy to operate and transport.



Key benefits

Reliability

- Premium components selected throughout for maximum 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

- Class leading open scalping area enabling it to deliver enormous rates of production
- Heavy duty 16' x 5' / 4.70 x 1.50 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
- 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 ownership

- 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 "e" drive option 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
- 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

Sustainability

- Latest emissions compliant engine lowers environmental impact due to reduced fuel consumption, less operating noise and low emissions
- 50% hydraulic fluid saving with extended service interval from 2,000 to 4,000 hours
- Hybrid "e" drive option reduces carbon emissions and minimizes fuel handling onsite

Technical specification

Key specifications	QE342
Hopper	
Type	Rigid one-piece hopper
Width	2.55 m / 8' 4"
Length	4.16 m / 13' 7"
Capacity	7.0 m ³ / 9.1 yd ³
Feeder	
Type	Steel apron or heavy duty belt
Width	1050 m / 41"
Oversize conveyor	
Width	1400 mm / 55"
Length (crs)	6.27 m / 27' 2"
Discharge height	4 m / 13' 1"
Angle adjustable	16° to 24°
Side conveyor (midsize)	
Width	800 mm / 32"
Discharge height	4.09 m / 13' 5"
Side conveyor (fines)	
Width	800 mm / 32"
Discharge height	4.3 m / 13' 12"
Transfer conveyor	
Width	1200 mm / 47"
Screen box	
Type	2 bearing
Decks	2 deck
Top deck	4.7 m x 1.45 m / 15' 5" x 4' 9" (6.8m ²)
Bottom deck	4.2 m x 1.43 m / 13' 9" x 4' 8" (6.0m ²)
Variable screen angle	11° - 17°

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Tracks	
Length (centres)	3.31 m / 10' 10"
Width (shoe)	400 mm / 16"
Control	Radio / Umbilical
Power pack	
Engine	CAT C4.4 Stage 5 / T4F 98 kW / 132 hp CAT C4.4 Stage 3A Constant Speed 98 kW / 132 hp CAT NR4 (China) 110 kW / 147 hp JCB Stage 5 97 kW 130 hp JCB T4F 93 kW / 125 hp JCB 3A ROW 97 kW / 130 hp
Diesel tank size	300 litres / 80 USG
Hydraulic tank size	400 litres / 106 USG
Transport dimensions	
Length	14.83 m / 48' 8"
Width	3.00 m / 9' 10"
Height	3.40 m / 11' 2"
Standard weight	28,567 kg / 62,979 lbs
Operating dimensions	
Length	15.44 m / 50' 8"
Width	14.55 m / 47' 9"
Height	4.48 m / 14' 8"
Performance	
Max feed size	600 mm ³ / 24"
Capacity (up to)	500 mtph / 551 stph **
Travel speed	0.8 km/h / 0.5 mph slow 1.5 km/h / 0.0 mph fast
Max incline / Side to side	20° / 10°

Note. All weights and dimensions are for standard units only

Standard specification

- Light mast and cabinet lights
- Radio control tracks 2 speed
- Hydraulic folding walkways * (standard with Hybrid powerpacks)
- Stabilizing legs * (standard with Hybrid powerpacks)
- Screen box maintenance platforms
- Toughflex belt * (standard with belt feeder)

- Variable speed feed conveyor * (standard with belt feeder)
- 3 hydraulic folding discharge conveyors
- Wear resistant liners in conveyor feed boots *
- Dust suppression spray bars *
- My Fleet telematics with 7 year data subscription