# Sandvik QE342e

## Tracked scalper

**The QE342e 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. 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
- 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
- Hydraulic service intervals increased from 2000 hrs to 4000 hrs, subject to oil sampling
- 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
- 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
- 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
- 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

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| Key specifications | QE342e |
|---|---|
| **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 | 4.0 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” (6.8$m^2$) |
| Bottom deck | 4.2 m x 1.43 m / 13’ 9” x 4’ 8” (6.0$m^2$) |
| 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<br>CAT C4.4 Stage 3A<br>Constant Speed 98 kW / 132 hp<br>CAT NR4 (China) 110 kW / 147 hp<br>JCB Stage 5 97 kW 130 hp<br>JCB T4F 93 kW / 125 hp<br>JCB 3A ROW 97 kW / 130 hp |
| Hybrid drive | 2 (x 37 kW / 50 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 | 30,067 kg / 66,286 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<br>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
- 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
- Variable speed feed conveyor
- Wear resistant liners in conveyor feed boots
- Dust suppression spray bars
- My Fleet telematics with 7 year data subscription

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

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