

Mobile crushing and screening

Q-range

A world leader in construction





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Mobile crushing and screening in Action

CUSTOMER FOCUSED

The Sandvik Q range of mobile crushers, screeners and scalpers provides customer focused solutions whatever the industry and whatever the application. The range encompasses jaw, cone and impact crushers; three way split screens, the world's only range of tracked Doublescreens, scalpers and triple deck screens.

Developed with the customer's requirements in mind, the Sandvik Q range of mobile equipment has been proven throughout the world operating in a variety of applications. These range from quarrying applications processing material such as granite and limestone, construction projects dealing with concrete and asphalt, to recycling and demolition applications.

VERSATILE SOLUTIONS

Versatility of the equipment is ensured by a comprehensive range of optional extras that allows the right machine to precisely match the demands of your specific application. As the different units are compatible with each other, they can be combined to operate in a train depending on the products required or are equally productive working as standalone units.

MAXIMIZE UPTIME

All mobile units are built to the highest quality and designed for ease of mobility, quick set-up time and transportation. Many new features in the latest range of equipment have been introduced to simplify operation and maintenance and ultimately maximize uptime. These features include the PLC control system with colour screen which is now common across the Q range of crushers. This enables the operator to fully control the performance of the unit from the control panel or radio handset. Furthermore, with the introduction of the latest emissions-compliant engines, the machines are now as fuel-efficient and environmentally focused as they are productive, reliable and versatile, whilst also minimizing cost of ownership.





Expertise in Action

For over 150 years the name Sandvik has been synonymous with quality; in our quest to provide total solutions for our customers, we have invested heavily in research and development of new products and acquired many strong brands.

Each has been integrated seamlessly into our offering, creating unique synergy and value for our customers whatever their requirements.

TOTAL SOLUTIONS

Sandvik offers one of the most advanced and complete range of mobile crushers and screens in the world and possess a solutions based approach that is focused on increasing the performance and productivity for our customers.

Our versatile product offering can be used in virtually any construction, quarrying and recycling application. Whether you are looking to crush tonnes of hard rock or produce several sized aggregates through screening we are guaranteed to have the machine for you.

Our research and development team are continuously working on ways to improve our machines ensuring we remain the most advanced brand on the market. Using the latest technology our machines are built with the highest standards of quality and engineering.

WORLDWIDE PRESENCE

Sandvik has an established and successful worldwide distributor network which not only enables us to have a global presence but also to be able to support our customers no matter

where they are operating in the world.

Customers who are active in localized markets have access to a support network with years of global experience.

Sandvik's philosophy of thinking globally, but acting locally, guarantees that our customers enjoy the very best products and services possible.

KNOWLEDGE BASED ON EXPERIENCE

Sandvik truly has incomparable experience in the construction industry. Since 1862 we have been a driving force in the industry, and today Sandvik Construction are part of a global engineering group, supporting our customers with our unique experiences, solutions based approach, and market leading equipment.

- Solutions based approach focused on one of the most extensive product range in the market.
- Advanced high technology machinery and tools developed in close cooperation with our customers.
- A global team of proactive customer support experts.
- The market leader in the development of new customer focused technologies.

Through Sandvik's global organization customers are able to gain access to a huge knowledge bank of experience that has been gained from our long lasting working

relationships with customers from all over the world.

The backbone of our offering is our expertise gained from experience. Our application experts can help you use our products optimally, thus maximizing your productivity, but with economy of operation gained through our knowledge.

AFTERSALES SUPPORT

At Sandvik, we believe that the sale of our machinery is the beginning of our relationship with our customers – not the end.

The combined experience of the Sandvik parts support team adds up to hundreds of years and ensures that you, the customer, receive the very best parts support service that the industry can offer.

Your initial purchase is only the start of a unique partnership with Sandvik. Our service team is here to help you and support your needs throughout the long, profitable lifetime of your machines.

Sandvik's global network of aftersales and service engineers use the very latest technology, and work in conjunction with our global distributorship network to ensure help is always at hand.

Environmental health and safety

in Action

SAFEGUARDING THE FUTURE

Sandvik takes corporate responsibility very seriously and you can be confident that our business decisions and actions demonstrate sustainable economic, social and environmental principles.

At Sandvik we are very aware that our machinery must operate to the highest levels of safety, and also minimize the environmental impact through the lowest possible levels of emissions.

We constantly strive to adapt our offering so that customers can be assured that operators can use the machinery in as safe a manner as possible, but also that the impact to the local environment is kept to a minimum.

EFFECTIVE SAFETY SYSTEMS

Health and Safety regulations vary from country to country, but Sandvik is working hard to implement our own international standards that go well beyond national minimum safety requirements.

For the benefit of all, we put strong emphasis on safety in all process improvement, and the engineering of equipment.

MINIMIZING ENVIRONMENTAL IMPACT

The machines have been designed with the operator's safety in mind. They feature proportional tracking systems enabling more controlled manoeuvring of our machines on the quarry or construction site and lighting masts

to provide illumination during the hours of darkness.

They have also been equipped with features aimed at lowering the environmental impact whilst in operation. The engine compartment has been redesigned to comply with the latest global emissions legislations, ensuring users are presented with a quality designed and environmentally friendly solution.

Noise reduction measures such as rubber liners are available as well as dust suppression features such as canvas covers on conveyors, water sprinkling systems and water pumps.

These recent product developments have seen reductions in noise and dust emissions, and safety measures to ensure the safest possible working conditions.

SAFETY FIRST

The two concepts of environmental protection and protection of personnel go hand in hand.

All Sandvik factories have taken strict measures in improving safety for both personnel and visitors. Safety first is our fundamental attitude and proper safety equipment is required at all times to achieve our goal of zero work-related injuries, illness and environmental harm.



QJ341 Mobile jaw crusher

in Action

KEY SPECIFICATIONS

EQUIPMENT	Single toggle C12 jaw crusher
FEED OPENING	1200 x 750 mm / 47" x 29"
CAPACITY (UP TO)	400 mtph / 440 stph
OPTIMUM FEED SIZE	650 mm / 25 ½"
ENGINE	C9 / C9.3 Acert 261 kW / 350 hp
TRANSPORT DIMENSIONS	14.15m / 46' 5" (l) 2.82m / 9' 3" (w) 3.44m / 11' 3 ½" (h)
WEIGHT	50,380 kg / 111,069 lbs

WORLD LEADING JAW CRUSHER

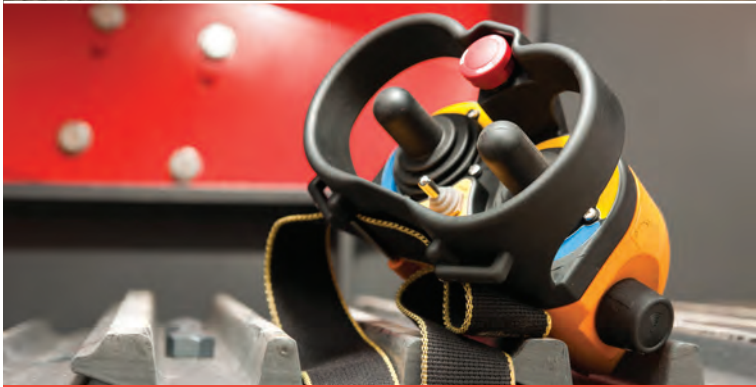
The QJ341 continues to build on the success of its predecessor, the QJ340, one of the best selling track mounted jaw crushers in the world.

The largest in the Sandvik Q range of jaw crushers, it has been designed to meet the needs of the operator seeking a high performance mobile jaw crusher which is both reliable and durable. With a large feed opening and unique high crushing speed it is capable of delivering high outputs with excellent reduction ratios.

The powerful jaw crusher is capable of handling the most challenging of quarry applications but equally capable in the recycle segment with its large under-belt clearances and equipped with an over-band magnet, natural fines conveyor and remote control as standard.

FEATURES AND VALUES

- Hydraulically adjustable CSS for a variety of applications
- Reverse crushing action to relieve blockages and crushing asphalt
- Automatic central lubrication system to reduce maintenance time
- User friendly PLC control system and colour screen for ease of operation
- Fitted with jaw level sensor, speed wheel on the main conveyor and engine load control system, which allow the machine to monitor and regulate its own feed, resulting in a continuous and uninterrupted crushing process and ultimately higher productivity
- Easy access to the engine compartment for easier serviceability
- Hydraulic raise and lower facility fitted to the main conveyor for clearance of rebar in recycling applications



Remote control for ease of operation as standard



QJ331 Mobile jaw crusher

in Action

KEY SPECIFICATIONS

EQUIPMENT	Sandvik CJ211 jaw crusher
FEED OPENING	1100 x 700 mm / 43" x 28"
CAPACITY (UP TO)	300 mtph / 336 stph
OPTIMUM FEED SIZE	560 mm / 22"
ENGINE	C9 / C9.3 Acert 261 kW / 350 hp
TRANSPORT DIMENSIONS	14.65m / 48' 0" (l) 2.85m / 9' 3" (w) 3.40m / 11' 2" (h)
WEIGHT	46,860 kg / 103,310 lbs

HIGH CAPACITY CRUSHING

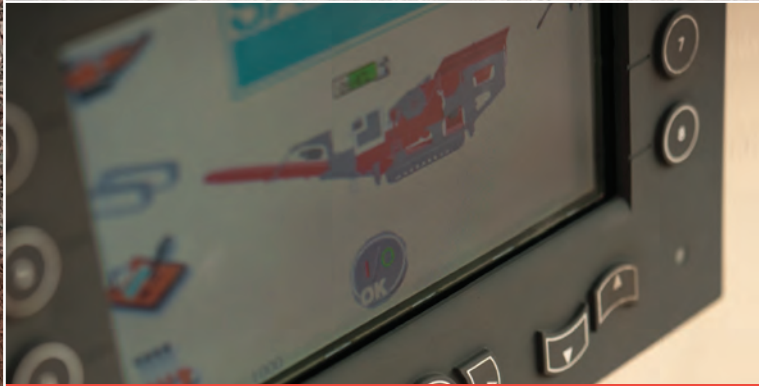
The QJ331 is the latest development to the mobile jaw crusher range, which is aimed at operators looking for a more economical solution to their operation.

Featuring the powerful CJ211 single toggle jaw from Sandvik, it utilizes the very latest technology, including finite element techniques to minimize stress levels within the frame itself. The machine is equipped with an overband magnet, natural fines conveyor and remote control as standard. The main conveyor can be raised or lowered, making it the ideal solution for rebar clearance in recycling applications.

Its heavy duty tracked chassis enables high mobility and a quick set-up time making it the perfect solution for the recycling and contractor segment of the market.

FEATURES AND VALUES

- Hydraulically adjustable CSS for a variety of applications
- Reverse crushing action to relieve blockages and crushing asphalt
- Enhanced user friendly PLC control system and colour screen for ease of operation
- Fitted with jaw level sensor, speed wheel on the main conveyor and engine load control system, which allow the machine to monitor and regulate its own feed, resulting in a continuous and uninterrupted crushing process and ultimately higher productivity
- Easy access to the engine compartment for easier serviceability



Enhanced user friendly PLC control system

QJ241 Mobile jaw crusher

in Action

KEY SPECIFICATIONS

EQUIPMENT	Single toggle C10 jaw crusher
FEED OPENING	1000 x 650 mm / 39 ½" x 26"
CAPACITY (UP TO)	225 mtph / 248 stph
OPTIMUM FEED SIZE	520 mm / 21"
ENGINE	C6.6 / C7.1 Acert 168 kW / 225 hp
TRANSPORT DIMENSIONS	13.90m / 45' 7 ½" (l) 2.64m / 8' 8" (w) 3.22m / 10' 6 ½" (h)
WEIGHT	34,000 kg / 74,957 lbs

HIGH MOBILITY

The QJ241 is the most compact unit in the world leading series of jaw crushers from Sandvik. Specifically designed for the smaller operation, it can achieve impressive rates of production with excellent reduction ratios.

The machine is equipped with an over-band magnet, natural fines conveyor and remote control as standard. The extended main conveyor can be hydraulically raised or lowered, making it the ideal solution for rebar clearance in recycling applications.

Although purpose developed for the contractor and recycling markets the crusher is equally productive and suitable for quarry operators seeking easy manoeuvrability and high quality.

FEATURES AND VALUES

- Hydraulically adjustable CSS for a variety of applications
- Reverse crushing action to relieve blockages and crushing asphalt
- Automatic central lubrication system to reduce maintenance time
- User friendly PLC control system and colour screen for ease of operation
- Fitted with jaw level sensor, speed wheel on the main conveyor and engine load control system, which allow the machine to monitor and regulate its own feed, thereby providing a continuous and uninterrupted crushing process, resulting in higher productivity
- Easy access to the engine compartment for easier serviceability



Jaw level sensor monitors and regulates feed rate



QH440 Mobile cone crusher

in Action

KEY SPECIFICATIONS

EQUIPMENT	Sandvik CH440 cone crusher
CAPACITY (UP TO)	388 mtph / 435 stph
MAXIMUM FEED SIZE	215 mm / 8 ½"
ENGINE	C13 Acert 328 kW / 440 hp
TRANSPORT DIMENSIONS	16.99m / 55' 9" (l) 2.99m / 9' 10" (w) 3.80m / 12' 5 ½" (h)
WEIGHT	50,080 kg / 110,400 lbs

VERSATILE SOLUTION

Building on their reputation for producing high quality equipment Sandvik have designed the QH440, its largest unit in the Q range of mobile cone crushers.

Designed for ease of mobility, for rapid set up time and transportation, the machine features the Sandvik CH440 cone crusher at its heart, which has proven its worth in a wide range of static applications. The CH440 cone is equipped with a hydroset CSS regulation system that optimises production and keeps track of liner wear.

Powered by a diesel engine with direct drive to ensure maximum power and fuel efficiency, it sets new standards in throughput, reduction ratios and gives excellent product shape. Available with a choice of six crushing chambers and eight bush settings, it stands as one of the most versatile and productive cone crushers in the market today.

FEATURES AND VALUES

- Camera overseeing the crushing chamber allows the operator full visibility of the crushing chamber
- Bridge Coil (up and over) metal detector fitted to the feed conveyor allowing improved stability and controlled detection
- A level sensor above the crushing chamber controls the automated variable speed feed conveyor to ensure maximum production, reduction and shape
- Fitted with four hydraulic jacking legs for increased stability and servicing capabilities
- User friendly PLC control system and colour screen for ease of operation
- Easy access to the engine compartment for easier serviceability



Proportional tracking for ease of mobility



QH331 Mobile cone crusher

in Action

KEY SPECIFICATIONS

EQUIPMENT	Sandvik CH430 cone crusher
CAPACITY (UP TO)	220 mtph / 242 stph
MAXIMUM FEED SIZE	185 mm / 7 ½"
ENGINE	C9 / C9.3 Acert 261 kW / 350 hp
TRANSPORT DIMENSIONS	14.40m / 47' 3" (l) 2.80m / 9' 2" (w) 3.40m / 11' 2" (h)
WEIGHT	33,500 kg / 73,855 lbs

HIGH QUALITY CONE CRUSHING

The QH331 is aimed at the operator looking for a compact, high quality mobile cone crusher.

It is fitted with the Sandvik CH430 cone crusher, which comes with a choice of six different crushing chambers and eight bush settings making it one of the most flexible cone crushers in the market today.

The CH430 cone is equipped with a hydroset CSS regulation system that optimises production and keeps track of liner wear. The new direct drive system has replaced the previous hydraulic drive which provides the QH331 a more efficient use of power and consequently enhances its operational capabilities and lowers fuel consumption.

FEATURES AND VALUES

- Direct drive improves efficiency and power transfer resulting in tighter close side settings and larger bush variations being achievable for precision crushing
- Camera overseeing the crushing chamber allows the operator full visibility of the crushing chamber
- Bridge Coil (up and over) metal detector fitted to the feed conveyor allowing improved stability and controlled detection
- A level sensor above the crushing chamber controls the automated variable speed feed conveyor to ensure maximum production, reduction and shape
- Enhanced user friendly PLC control system and colour screen for ease of operation
- No crusher backing material required allows for quick liner changes and immediate start up once fitted
- Easy access to the engine compartment for easier serviceability



Sandvik CH430 high performance cone



QI440 Mobile impact crusher

in Action

KEY SPECIFICATIONS

EQUIPMENT	Sandvik CI322 impact crusher
FEED OPENING	1360 x 800 mm / 54" x 31 ½"
CAPACITY (UP TO)	500 mtph / 551 stph
OPTIMUM FEED SIZE	700 mm / 27 ½"
ENGINE	C13 Acert 328 kW / 440 hp
TRANSPORT DIMENSIONS	15.73m / 51' 7" (l) 3.00m / 9' 10" (w) 3.60m / 11' 9 ½" (h)
WEIGHT	52,500 kg / 115,743 lbs
WEIGHT (WITH HS)	61,900 kg / 136,466 lbs

HIGH THROUGHPUT

The QI440 is a self-propelled tracked impact crusher which has been designed for larger scale operations where high throughput is required.

Its heavy duty chassis has been designed for ease of mobility and yet is able to withstand the toughest of environments. It incorporates the Sandvik CI322 impact crusher which is suitable for a wide variety of applications in demolition, recycling and quarrying.

It is available with an optional double deck hanging screen system, which will allow customers an even greater return on investment through the facility to produce accurately sized products for immediate use.

FEATURES AND VALUES

- Excellent reduction ratio across a broad spectrum.
- Underpan feeder for maximum belt protection and to reduce any spillage issues generally associated with impact crushers.
- Hydraulic raise and lower on the main conveyor for relieving rebar blockages in recycling applications.
- Overband magnet, pre screen, natural fines conveyor, ceramic blow bars and remote control fitted as standard
- Choice of pre screen media, which provides the flexibility to suit any application.
- Variable tip speed from 30 to 37 metres / sec enables a wide range of product gradations to be achieved from the touch of a button
- User friendly PLC control system and colour screen for ease of operation
- Easy access to the engine compartment for increased serviceability



Optional hanging screen can provide a 1, 2 or 3 way product split



QI240 Mobile impact crusher

in Action

KEY SPECIFICATIONS

EQUIPMENT	Sandvik CI411 impact crusher
FEED OPENING	992 x 670 mm / 39" x 26 1/2"
CAPACITY (UP TO)	300 mtph / 331 stph
OPTIMUM FEED SIZE	500 mm / 20"
ENGINE	C9 / C9.3 Acert 261 kW / 350 hp
TRANSPORT DIMENSIONS	14.16m / 46' 5 1/2" (l) 2.50m / 8' 2" (w) 3.40m / 11' 2" (h)
WEIGHT	39,400 kg / 86,862 lbs

COMPACT IMPACT CRUSHING

The QI240 has been built utilising market leading Sandvik Impactor technology which has enabled the development of a fully mobile, compact impact crusher.

It features the Sandvik CI411 PriSec impact crusher, which has been designed to work either in a primary or secondary capacity. It can operate either independently or in conjunction with other members of the Sandvik product line in recycling or construction applications.

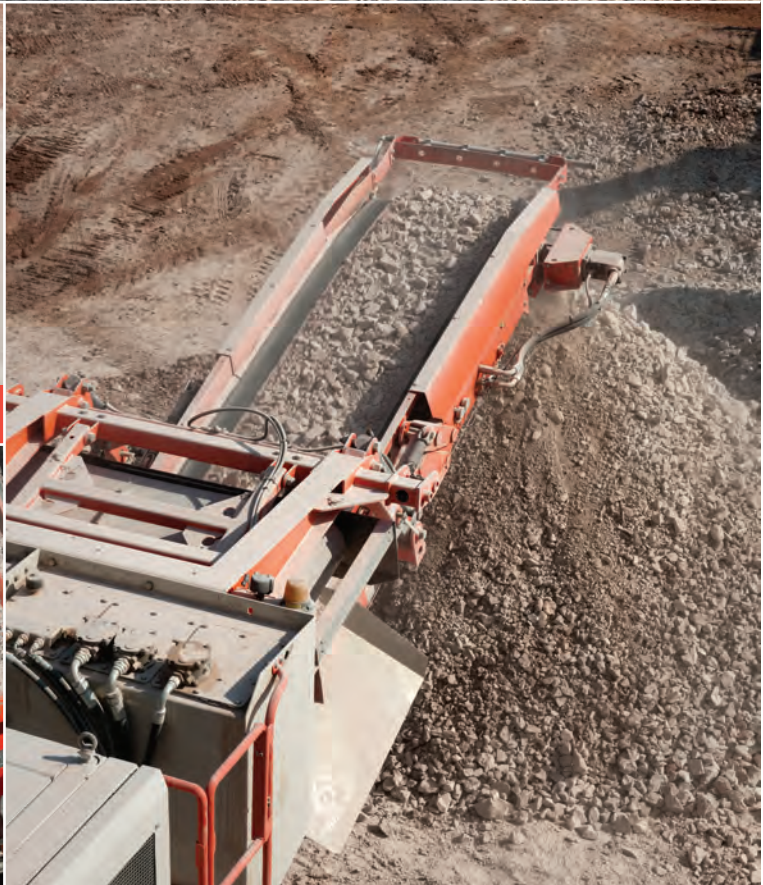
The compact dimensions of the QI240 make it perfect for sites where space is limited, but where superb product shape and high levels of production are required.

FEATURES AND VALUES

- Patented design to work either in a primary or secondary capacity
- Underpan feeder for maximum belt protection and to eliminate any spillage issues generally associated with impact crushers.
- Hydraulic raise and lower on the main conveyor for relieving rebar blockages in recycling applications.
- Overband magnet, pre screen, natural fines conveyor, ceramic blow bars and remote control fitted as standard
- Choice of pre screen media, which provides the flexibility to suit any application
- User friendly PLC control system and colour screen for ease of operation
- Variable tip speed from 30 to 37 metres / sec enables a wide range of product gradations to be achieved from the touch of a button
- Easy access to the engine compartment for increased serviceability



Highly productive Sandvik CI411 PriSec impact crusher



QA450 Mobile triple deck Doublescreen

in Action

KEY SPECIFICATIONS

SCREEN BOX	20' x 5' / 6 x 1.5m
CAPACITY (UPTO)	600 mtph / 661 stph
ENGINE	C4.4 75 kW / 100 hp
TRANSPORT DIMENSIONS	18.25m / 59' 10 1/2" (l) 3.10m / 10' 2" (w) 3.55m / 11' 8" (h)
WEIGHT	33,250 kg / 73,304 lbs

ULTIMATE SCREENING SOLUTION

The QA450 is the largest and most impressive mobile tracked screener in the Sandvik Q range and the only mobile screener in the world with a triple decked Doublescreen box.

Designed for maximum productivity this advanced machine has an additional side conveyor to produce four different sized products, plus one oversize from the tipping grid. Utilising Sandvik's patented screenbox the QA450 provides products to the highest quality and specification. Due to its size, strength and capabilities this machine is powerful enough to cope with almost any application in the most arduous of conditions.

FEATURES AND VALUES

- High production capabilities due to its large screening area
- Adjustable screen box dependant on the type of screening required
- Unique spreader plate to allow full use of screen mesh width
- Large volume hopper complete with remote control hydraulic tipping grid
- Hydraulically folding walkways for maintenance
- Radio controlled tracks as standard
- Massive stockpiling capabilities through integrated conveyors



QA440 Mobile Doublescreen

in Action

KEY SPECIFICATIONS

SCREEN BOX	20' x 5' / 6 x 1.5m
CAPACITY (UPTO)	600 mtp / 661 stph
ENGINE	C4.4 75 kW / 100 hp
TRANSPORT DIMENSIONS	18.12m / 59' 5 1/2" (l) 2.90m / 9' 6" (w) 3.50m / 11' 6" (h)
WEIGHT	30,000 kg / 66,139 lbs

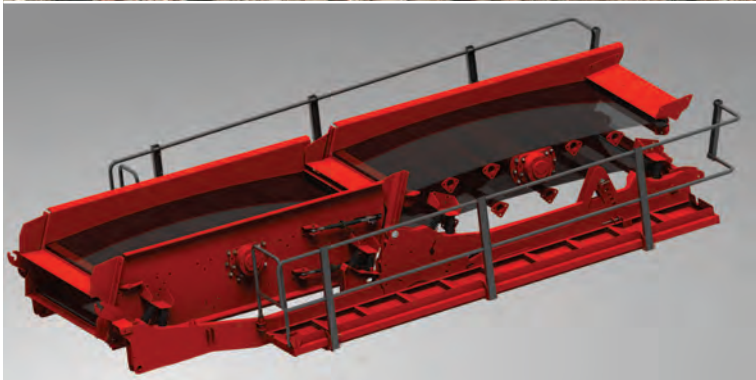
LARGE THROUGHPUT

This mobile tracked double decked screener is equipped with Sandvik's patented, world class heavy duty Doublescreen screen box.

The two high velocity screen boxes work independently of each other which allows the first screen box to be pitched at various steeper angles than the second screen. Additionally both screens on the common sub frame can vary the operational angle. This unique flexibility facilitates accuracy, productivity and efficiency of higher grade of material specification without compromising on production levels. This machine is designed for the aggregate producer who requires large throughput.

FEATURES AND VALUES

- Capable of high production rates due to its large screening area
- High frequency double deck screen box designed for easy change of screen mesh
- Unique spreader plate to allow full use of screen mesh width
- Large volume hopper complete with remote control hydraulic tipping grid
- Hydraulically folding walkways for maintenance
- Radio controlled tracks as standard
- Massive stockpiling capability through integrated hydraulic conveyors
- Available with wheeled bogie system for easy transportation without the need for a low loader



Sandvik patented Doublescreen for higher accuracy and productivity



QA340 Mobile Doublescreen

in Action

KEY SPECIFICATIONS

SCREEN BOX	16' x 5' / 5 x 1.5m
CAPACITY (UPTO)	450 mtp / 496 stph
ENGINE	C4.4 75 kW / 100 hp
TRANSPORT DIMENSIONS	15.89m / 52' 1 1/2" (l) 2.84m / 9' 3" (w) 3.76m / 12' 4" (h)
WEIGHT	26,900 kg / 59,304 lbs

PATENTED DOUBLESREEN

This mobile tracked double decked screener is equipped with Sandvik's patented, world class heavy duty Doublescreen screen box.

The two high velocity screen boxes work independently of each other which allows the first screen box to be pitched at various steeper angles than the second screen. Additionally both screens on the common sub frame can vary the operational angle. This unique flexibility facilitates accuracy, productivity and efficiency of higher grade of material specification without compromising on production levels. The QA340 is precise enough for sand and gravel however also powerful enough for volume aggregate production.

FEATURES AND VALUES

- Capable of high production rates due to its large screening area
- High frequency double deck screen box designed for easy change of screen mesh
- Unique spreader plate to allow full use of screen mesh width
- Large volume hopper complete with remote control hydraulic tipping grid
- Hydraulically folding walkways for maintenance
- Radio controlled tracks as standard
- Massive stockpiling capability through integrated hydraulic conveyors
- Available with wheeled bogie system for easy transportation without the need for a low loader



QA331 Mobile screen

in Action

KEY SPECIFICATIONS

SCREEN BOX	14' x 5' / 4.2 x 1.5m
CAPACITY (UPTO)	300 mtph / 331 stph
ENGINE	C4.4 75 kW / 100 hp
TRANSPORT DIMENSIONS	15.34m / 50' 4" (l) 2.86m / 9' 4" (w) 3.37m / 11' 0" (h)
WEIGHT	27,050 kg / 59,635 lbs

HIGH PRODUCTIVITY SCREENING

This mobile tracked screener has the largest and widest hopper of the Sandvik Q range, complete with a three way split screener.

This robust and highly durable machine has been designed specifically for the recycling and contractor market. It comes with a modern, robust I beam chassis ensuring the machine's durability. The high productivity and accurate screening of the QA331 guarantee to meet the customer's needs.

FEATURES AND VALUES

- High production rates through its large screening area
- Heavy duty screen box with uniquely high amplitude and speed with an adjustable throw from 5 – 8 mm (0.2 - 0.3")
- Designed with a 'banana screen' that can incline up to 6° keeping material on the screen box for longer and subsequently producing a cleaner, higher quality product
- Hydraulically folding walkways for maintenance
- Massive stockpiling capability through integrated hydraulic conveyors
- Designed for optimum fuel economy and low operating costs



High production rates through its large screening area



QAI 40 Mobile screen

in Action

KEY SPECIFICATIONS

SCREEN BOX	10' x 5' / 3 x 1.5m
CAPACITY (UPTO)	300 mtph / 331 stph
ENGINE	C4.4 75 kW / 100 hp
TRANSPORT DIMENSIONS	14.12m / 46' 4" (l) 2.80m / 9' 2" (w) 3.34m / 10' 11" (h)
WEIGHT	24,298 kg / 53,600 lbs

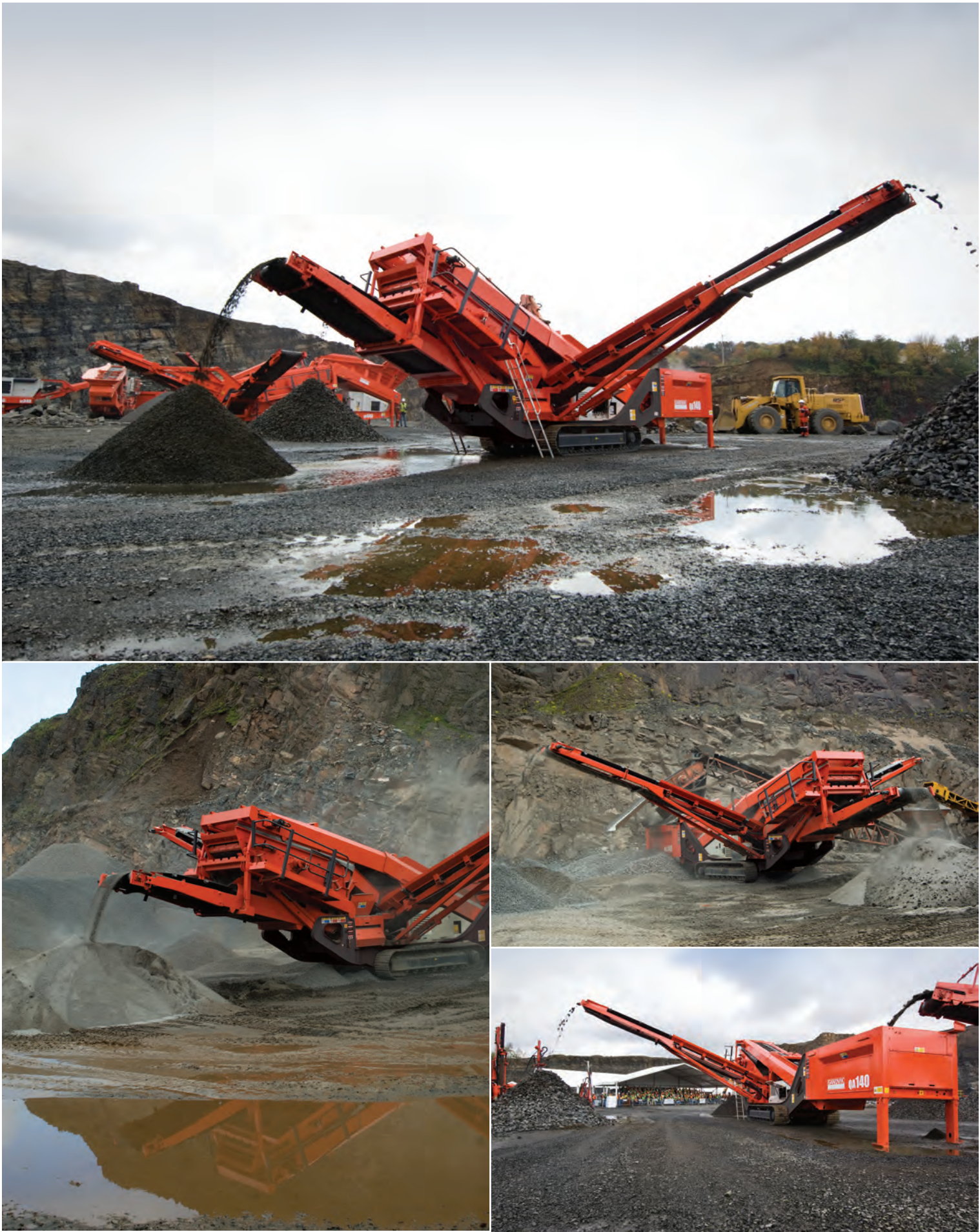
COMPACT MOBILE SCREENING

This is the most compact mobile tracked screener in the Sandvik Q range. It has a double deck Single screen box and offers the option of a double deck vibrating grid.

Its modern chassis is built to endure the toughest of environments and the machine has been designed for rapid set-up time and easy transportation. Powered by diesel hydraulics this machine is powerful enough to work at the quarry face yet compact enough for the inner city development or recycling centre. It is capable of producing high quality aggregates that are suitable for a number of applications.

FEATURES AND VALUES

- Capable of high production rates due to its aggressive screening action
- High frequency double deck screen box designed for easy change of screen mesh
- Unique spreader plate to allow full use of screen mesh width
- Large volume hopper complete with remote control hydraulic tipping grid
- Hydraulically folding walkways for maintenance
- Radio controlled tracks as standard
- Massive stockpiling capability through integrated hydraulic conveyors
- Designed for optimum fuel economy and low operating costs



QE440 Mobile scalping screen

in Action

KEY SPECIFICATIONS

SCREEN BOX	18' x 6' / 5.5 x 1.75m
CAPACITY (UPTO)	900 mtp / 992 stph
ENGINE	C4.4 Acert 96 kW / 129 hp
TRANSPORT DIMENSIONS	16.34m / 53' 7" (l) 3.20m / 10' 6" (w) 3.50m / 11' 6" (h)
WEIGHT	38,500 kg / 84,877 lbs

ULTIMATE SCALPING CAPABILITY

The QE440 is the largest and most impressive mobile tracked scalper in the Sandvik Q range.

Developed for the serious aggregate producer it boasts 40% more screening area than its predecessor - the market leading QE340 and has wider and higher stockpiling conveyors to deal with the increased production capacity and facilitate larger stockpiles.

With a wide variety of screen deck options such as mesh, punch plate, bofor deck or tines, the machine can be configured to match the specific application and material requirements. This is a truly versatile machine that is guaranteed to meet our customer's needs.

FEATURES AND VALUES

- Class leading scalping area allows for enormous rates of production
- Hardox hopper as standard
- Heavy duty screen box with uniquely high throw and aggressive action
- Massive stockpiling capability through integrated hydraulic conveyors
- Can be configured from a 3 way to a 2 way split
- Hydraulic jacking legs for increased stability
- Hydraulic folding walkways for easy maintenance
- Designed for optimum fuel economy and low operating costs



Heavy duty screenbox with uniquely high throw and aggressive action



QE340 Mobile scalping screen

in Action

KEY SPECIFICATIONS

SCREEN BOX	15' 5" x 4' 9" /
	4.7 x 1.45m
CAPACITY (UP TO)	350 mtph / 385 stph
ENGINE	C4.4 75 kW / 100 hp
TRANSPORT DIMENSIONS	14.08m / 46' 2" (l)
	2.98m / 9' 9" (w)
	3.32m / 10' 11" (h)
WEIGHT	29,000 kg /
	63,935 lbs

HEAVY DUTY SCALPING

This heavy duty mobile tracked scalping screen has been purpose built for the quarrying and recycling markets.

The QE340 is based on a sturdy crusher-type chassis and features a hydraulically operated heavy duty hopper and double plated apron feeder. The adjustable heavy duty screen box with high speed and amplitude ensures the QE340 is purpose built for arduous duties.

Punched plate, heavy duty mesh, tines or grizzly bars can be fitted to the top deck while heavy duty mesh or fingers can be fitted to the bottom to match specific application and material requirements. It is capable of coping with numerous applications including the recycling of construction and landfill waste.

FEATURES AND VALUES

- Large total scalping area allows for enormous rates of production
- Hardox hopper as standard
- Heavy duty screen box with unique high throw and aggressive action
- Capable of being fed by large crushers, yet precise enough to produce accurate aggregates, and tough enough to recycle mixed materials
- The screen box can be raised from its working position into a servicing position enabling easy cleaning and changing of screen mesh
- Hydraulic folding walkways for easy maintenance
- Machine designed for efficient fuel economy and low operating costs



Variety of top deck options for a wide range of applications

QEI 40 Mobile scalping screen

in Action

KEY SPECIFICATIONS

HOPPER	12' x 8' / 3.7 x 2.4 m
CAPACITY (UPTO)	400 mtp / 441 stph
ENGINE	Deutz 2012 75 kW / 100 hp
TRANSPORT DIMENSIONS	9.00m / 29' 6" (l) 2.73m / 9' 0" (w) 3.10m / 10' 2" (h)
WEIGHT	19,500 kg / 42,990 lbs

REVOLUTIONARY SCALPING

The evolution of the tracked scalping screens has been developed from this machine.

It is one of the most reliable compact scalpers available globally and with its heavy duty double deck vibrating grid it can take a feed size of up to 700mm (27 ½"). It can be used for scalping and screening a wide range of material including topsoil, waste and concrete.

FEATURES AND VALUES

- Large total scalping area gives the highest rates of production in its class
- High speed scalping of a wide range of materials, yet compact and manoeuvrable on site
- A feed and discharge conveyor allows greater control of the material reduces stress on the machine and increases longevity
- Massive stockpiling capability with discharge height of 3158mm (10' 4")
- Simple, user friendly manual control levers for setup and operation
- Designed for optimum fuel economy and low operating costs



Crushing Unit Specifications

in Action

Key specifications	QJ341 Mobile Jaw	QJ331 Mobile Jaw	QJ241 Mobile Jaw	QH440 Mobile Cone
Equipment	Single toggle C12 jaw crusher	Sandvik CJ211 jaw crusher	Single toggle C10 jaw crusher	Sandvik CH440 cone crusher
Feed opening	1200 x 750 mm / 47" x 29"	1100 x 700 mm / 43" x 28"	1000 x 650 mm / 39 ½" x 26"	215 mm / 8 ½"
Capacity (up to)	400 mtph / 440 stph	300 mtph / 336 stph	225 mtph / 248 stph	388 mtph / 435 stph
Optimum feed size	650 mm / 25 ½"	560 mm / 22"	520 mm / 21"	215 mm / 8 ½" (Max)
Engine	C9 / C9.3 Acert 261 kW / 350 hp	C9 / C9.3 Acert 261 kW / 350 hp	C6.6 / C7.1 Acert 168 kW / 225 hp	C13 Acert 328 kW / 440 hp
Weight	50,380 kg / 111,069 lbs	46,860 kg / 103,310 lbs	34,000 kg / 74,957 lbs	50,080 kg / 110,400 lbs
Working dimensions				
Length	15.81m / 51' 10 ½"	14.50m / 47' 7"	13.74m / 45' 1"	16.04m / 52' 7"
Width	4.55m / 14' 11"	4.65m / 15' 2"	4.20m / 13' 9"	3.34m / 10' 11 ½"
Height	4.52m / 14' 10"	4.15m / 13' 7 ½"	4.30m / 14' 1 ½"	4.93m / 16' 2"
Transport dimensions				
Length	14.15m / 46' 5"	14.65m / 48' 0"	13.90m / 45' 7 ½"	16.99m / 55' 9"
Width	2.82m / 9' 3"	2.85m / 9' 3"	2.64m / 8' 8"	2.99m / 9' 10"
Height	3.44m / 11' 3 ½"	3.40m / 11' 2"	3.22m / 10' 6 ½"	3.80m / 12' 5 ½"

Crushing Unit Specifications

in Action

Key specifications	QH331 Mobile Cone	QI440 Mobile Impactor	QI240 Mobile Impactor
Equipment	Sandvik CH430 cone crusher	Sandvik CI322 impact crusher	Sandvik CI411 impact crusher
Feed opening	185 mm / 7 ½"	1360 x 800 mm / 54" x 31 ½"	992 x 670 mm / 39" x 26 ½"
Capacity (up to)	220 mtph / 242 stph	500 mtph / 551 stph	300 mtph / 331 stph
Optimum feed size	185 mm / 7 ½" (Max)	700 mm / 27 ½"	500 mm / 20"
Pre screen			
Top deck	-	2160 x 1360 mm / 7' 1" x 4' 6"	1520 x 980 mm / 5' x 3' 2 ½"
Bottom deck	-	1730 x 1360 mm / 5' 8" x 4' 6"	1020 x 980 mm / 3' 4" x 3' 2 ½"
Engine	C9 / C9.3 Acert 261 kW / 350 hp	C13 Acert 328 kW / 440 hp	C9 / C9.3 Acert 261 kW / 350 hp
Weight	33,500 kg / 73,855 lbs	61,900 kg / 136,466 lbs	39,400 kg / 86,862 lbs
Working dimensions			
Length	13.40m / 44' 0"	16.50m / 54' 2"	14.65m / 48' 1"
Width	3.14m / 10' 3"	6.83m / 22' 5"	5.60m / 18' 4 ½"
Height	4.37m / 14' 4"	4.60m / 15' 1"	4.13m / 13' 6 ½"
Transport dimensions			
Length	14.40m / 47' 3"	15.73m / 51' 7"	14.16m / 46' 5 ½"
Width	2.80m / 9' 2"	3.00m / 9' 10"	2.50m / 8' 2"
Height	3.40m / 11' 2"	3.60m / 11' 9 ½"	3.40m / 11' 2"

Screening Unit Specifications

in Action

Key specifications	QA450 Triple deck Doublescreen	QA440 Doublescreen	QA340 Doublescreen	QA331 Screen
Equipment	Triple deck Doublescreen	Two deck Doublescreen	Two deck Doublescreen	Double deck screen
First screen box				
Top deck	3048 x 1524mm / 10' x 5'	3048 x 1524mm / 10' x 5'	2439 x 1524mm / 8' x 5'	4267 x 1524mm / 14' x 5'
Middle deck	3048 x 1524mm / 10' x 5'	-	-	-
Bottom deck	3048 x 1524mm / 10' x 5'	3048 x 1524mm / 10' x 5'	2439 x 1524mm / 8' x 5'	3658 x 1524mm / 12' x 5'
Second screen box				
Top deck	3048 x 1524mm / 10' x 5'	3048 x 1524mm / 10' x 5'	2439 x 1524mm / 8' x 5'	-
Middle deck	3048 x 1524mm / 10' x 5'	-	-	-
Bottom deck	2439 x 1524mm / 8' x 5'	3048 x 1524mm / 10' x 5'	2439 x 1524mm / 8' x 5'	-
Capacity (up to)	600 mtph / 661 stph	600 mtph / 661 stph	450 mtph / 496 stph	300 mtph / 331 stph
Engine	C4.4 75 kW / 100 hp	C4.4 75 kW / 100 hp	C4.4 75 kW / 100 hp	C4.4 75 kW / 100 hp
Weight	33,250 kg / 73,304 lbs	30,000 kg / 66,139 lbs	26,900 kg / 59,304 lbs	27,050 kg / 59,635 lbs
Working dimensions				
Length	18.80m / 61' 8"	18.91m / 62' 0 ½"	17.73m / 58' 2"	15.61m / 51' 2 ½"
Width	18.70m / 61' 4"	18.78m / 61' 7 ½"	16.97m / 55' 8"	16.33m / 53' 7"
Height	6.48m / 21' 3"	6.74m / 22' 1 ½"	6.15m / 20' 2"	5.47m / 17' 11 ½"
Transport dimensions				
Length	18.25m / 59' 10 ½"	18.12m / 59' 5 ½"	15.89m / 52' 1 ½"	15.34m / 50' 4"
Width	3.10m / 10' 2"	2.90m / 9' 6"	2.84m / 9' 4"	2.86m / 9' 4 ½"
Height	3.55m / 11' 8"	3.50m / 11' 6"	3.76m / 12' 4"	3.37m / 11' 0 ½"

Screening Unit Specifications

in Action

Key specifications	QA140 Screen	QE440 Scalping screen	QE340 Scalping screen	QE140 Scalping screen
Equipment	Double deck screen	Double deck scalping screen	Double deck scalping screen	Double deck vibrating grid
Screen box				
Top deck	3048 x 1524mm / 10' x 5'	5480 x 1750mm / 18' x 6'	4700 x 1446mm / 15' 5" x 4' 9"	3660 x 2440mm / 12' x 8'
Bottom deck	-	5000 x 1750mm / 16.5' x 6'	4200 x 1426mm / 13' 9" x 4' 8"	-
Capacity (up to)	300 mtph / 331 stph	900 mtph / 992 stph	350 mtph / 385 stph	400 mtph / 441 stph
Engine	C4.4 75 kW / 100 hp	C4.4 Acert 96 kW / 129 hp	C4.4 75 kW / 100 hp	Deutz 2012 75 kW / 100 hp
Weight	24,298 kg / 53,600 lbs	38,500 kg / 84,877 lbs	29,000 kg / 63,935 lbs	19,500 kg / 42,990 lbs
Working dimensions				
Length	15.25m / 50' 0 ½"	16.82m / 55' 2"	14.41m / 47' 3"	11.52m / 37' 10"
Width	16.93m / 55' 6 ½"	14.55m / 47' 9"	12.96m / 42' 6"	2.73m / 8' 11 ½"
Height	4.98m / 16' 4"	4.67m / 15' 4"	4.25m / 13' 11"	3.45m / 11' 4"
Transport dimensions				
Length	14.12m / 46' 4"	16.34m / 53' 7"	14.08m / 46' 2"	9.00m / 29' 6"
Width	2.80m / 9' 2"	3.20m / 10' 6"	2.98m / 9' 9"	2.73m / 8' 11 ½"
Height	3.34m / 10' 11 ½"	3.50m / 11' 6"	3.32m / 10' 11"	3.10m / 10' 2"

Crushing Unit Options

in Action

	QJ341	QJ331	QJ241	QH440	QH331	QI440	QI240
Hopper Hardox liner plates back and sides	●	●	●	●	●	●	●
Extended one piece 15mm Hardox hopper side walls for rear loading	●						
Hardox feeder pan liners	●		●				
Hopper extensions				●		●	●
Hopper high impact rubber liners						●	●
Hopper extensions complete with Hardox liners						●	●
Hopper extensions complete with rubber liners						●	●
Belt protection plate	●	●	●				
Central auto lube (all bearings)	●	●	●	●	●		
Central auto lube (crusher)	●	●	●			●	●
Central autolube (conveyors)						●	●
Dust suppression with canvas covers on main conveyors	●	●	●	●	●	●	●
Conveyor pull cord stops	●	●	●	●	●	●	●
Hydraulic breaker arm	●	●					
Hydraulic water pump	●	●	●	●	●	●	●
Remote diesel pump	●	●	●	●	●	●	●
-20°C / -4°F Artic package	●	●	●	●	●	●	●
-30°C / -22°F Arctic package	●	●	●	●	●	●	●
50°C / 122°F Ambient temperature capability	●	●	●	●	●	●	●
Radio controlled tracks	●	●	●	●	●	●	●
Intelligent line communication	●	●	●	●	●	●	●
Product conveyor level sensor	●	●	●	●	●	●	●

Crushing Unit Options

in Action

	QJ341	QJ331	QJ241	QH440	QH331	QI440	QI240
C7.1 Acert Stage 3B/Tier4i			●				
C9.3 Acert Stage 3B/Tier4i	●	●			●		●
C13 Acert Stage 3B/Tier4i				●		●	
Plant filter kit - 50 hours	●	●	●	●	●	●	●
Engine filter kit - 250 hours (fuel, air and oil filters - for 3A engines only)	●	●	●	●	●	●	●
Plant and engine filter kit - 500 hours (3A engine)	●	●	●	●	●	●	●
Plant and engine filter kit - 500 hours (3B engine)	●	●	●	●	●	●	●
C Chamber kit				●	●		
MC Chamber kit				●	●		
M Chamber kit				●	●		
MF Chamber kit				●	●		
F Chamber kit				●	●		
Natural fines conveyor	●	●	●			●	●
Overband magnet	●	●	●	●	●	●	●
Hanging screen						●	
Pre screen open aperture bottom rubber						●	●
Stockpiling conveyor						●	●
Lighting mast	●	●	●	●	●	●	●
No overband magnet	●	●	●			●	●
No natural fines conveyor	●	●	●			●	●

Note. ● Option
● Available as standard

Screening Unit Options

in Action

	QA450	QA440	QA340	QA331	QA140	QE440	QE340	QE140
Double deck vibrating grid	●	●	●	●	●			●
Hardox liners side conveyor and hopper	●	●	●	●	●			
Hardox hopper liners								●
Hardox liners, hopper, side con feed boot						●	●	
Hopper extensions						●	●	
Canvas covers	●	●	●	●	●	●	●	●
Dust suppression	●	●	●	●	●	●	●	
Hydraulic water pump	●	●	●	●	●	●	●	●
Remote diesel pump	●	●	●	●	●	●	●	●
Overband magnet and support frame	●	●	●		●			
Shredder unit			●	●	●			
-20°C / -4°F Artic package	●	●	●	●	●	●	●	●
-30°C / -22°F Arctic package	●	●	●	●	●	●	●	●
Hydraulic drive oil cooler	●	●	●	●	●	●	●	
Radio controlled tracks	●	●	●	●	●	●	●	●
Central autolube system	●	●	●	●	●	●	●	●
Lighting mast	●	●	●	●	●	●	●	●
E-stop pull cords on conveyors	●	●	●	●	●	●	●	●
Tipping grid with crusher feedbox	●	●	●	●				
Wheeled dolly		●	●					
Wheeled dolly sundries	●	●						
Vibrating grid wing extensions	●	●	●					●
Extended barge boards for 4th conveyor	●							

Screening Unit Options

in Action

	QA450	QA440	QA340	QA331	QA140	QE440	QE340	QE140
Extended main conveyor								●
Track protection plate								●
Punch plate on top deck						●	●	
Bofar steel grizzly on top deck						●	●	
Bofar steel grizzly and two top deck punched plates							●	
Heavy duty tines on top deck						●	●	
Cascade fingers on bottom deck						●	●	
Mesh on top deck						●	●	
Belt feeder							●	

Note. ● Option
● Available as standard



SANDVIK MOBILE CRUSHERS AND SCREENS LIMITED.
HEARTHCOTE ROAD, SWADLINCOTE, DERBYSHIRE, DE11 9DU, ENGLAND
T: 0044 (0) 1283 212121 F: 0044 (0) 1283 818210 info.mobilecs@sandvik.com www.construction.sandvik.com