

Sandvik QJ341

Tracked jaw crusher

The QJ341 is the largest in the Sandvik Q-Range of tracked jaw crushers and the flagship of the range. Utilizing Sandvik's unrivalled design and manufacturing expertise, it is one of the best-selling track mounted mobile jaw crushers in the world today. Designed for quick set-up and ease of operation.



Key benefits

Reliability

- Powerful and reliable jaw for maximum performance
- Hydraulic drive enables the crusher to start under load maximizing uptime
- Premium components selected throughout and FEA analysis on structural parts for durability
- Speed wheel fitted to main conveyor to stop the feeder, negating the need to dig out a heavily loaded conveyor
- Steel pipe work used extensively to give superior heat dissipation and maximum reliability
- Capable of operating in the most hostile environments

Productivity

- Highly productive 1200 x 750 mm / 47" x 29" jaw opening for maximum throughput
- Hydraulic CSS jaw setting adjusted using control panel or handset, to avoid interruptions
- Load control system for feeder drive and jaw level sensor ensure continuous crushing
- Ideal for recycling with reverse crush, overband magnet and hydraulic raise and lower facility on main conveyor for rebar clearance
- Full PLC control system with colour screen allowing visual data output and push button adjustment of all plant operating parameters
- Tunnel arrangement after jaw discharge prevents material blockages for optimized flow
- Connected to Sandvik My Fleet with 7 year data subscription offering 24/7 fleet management, geo-fencing and remote operator support

Cost of ownership

- Fitted with Optitooth™ jaw plates for extended life, increased throughput and reduced fuel consumption
- Latest generation fuel efficient engines provide maximum performance and cost efficiency
- Optimized drivetrains to minimize energy losses and best utilize power available
- Well-proportioned fuel tank to maximize intervals between refueling

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 proportional speed control for safe tracking onsite
- Spacious platforms provide safe access for service and maintenance
- Dust suppression spray bars and onboard water pump to minimize dust improving operator and onsite safety

Sustainability

- Optitooth™ jaw plates for reduced CO₂ per ton crushed and 15% fuel saving
- Latest emissions compliant Stage V engine for reduced emissions
- Dust suppression system minimizes dust emissions reducing environmental impact

Technical specification

Key specifications	QJ341
Hopper	
Width	2.47 m / 8' 1"
Length	4.33 m / 14' 2"
Capacity	9.4 m ³ / 12.3 yds ³
Rear loading height	4.04 m / 13' 3"
Feeder	
Type	Hyd - variable speed grizzly
Width	1100 mm / 43"
Total length	4.00 m / 13' 1"
Grizzly length	1630 mm / 64"
Standard aperture	35 - 75 mm / 1" - 3"
Crusher	
Type	Single toggle C12 jaw
Feed opening	1200 mm x 750 mm / 47" x 29"
Speed	264 - 283 rpm
Adjustment type	Hyd wedge
CSS range	50 - 160 mm / 2" - 6" *
Hydraulically lowering main conveyor	
Belt width	1000 mm / 39"
Discharge height	3.89 m / 12' 9"
Tracks	
Length (centres)	3.71 m / 12' 2"
Width (shoe)	500 mm / 20"
Control	Radio / Umbilical

Key specifications	QJ341
Power pack	
Engine	CAT C9.3B Stage 5 / T4F 280 kW / 375 hp CAT C9 T3 261 kW / 350 hp CAT NR4 (China) 280 kW / 375hp
Diesel tank capacity	660 litres / 174 USG
Hyd tank capacity	660 litres / 174 USG
Magnet	
Model	Single Pole Magnetic separator
Type	Self-cleaning suspended
Natural fines conveyor	
Belt width	650 mm / 26"
Discharge height *	3.12 m / 10' 3"
Transport dimensions	
Length	14.15 m / 46' 4"
Width	2.86 m / 9' 4"
Height	3.43 m / 11' 3"
Weight	50,000 kg / 110,231 lbs
Operating dimensions	
Length	15.81 m / 51' 10"
Width	4.52 m / 14' 10"
Height	4.44 m / 14' 7"
Performance	
Max feed size	650 mm ³ / 25.6 inch ³
Capacity (up to)	400 tph / 440 stph **
Travel speed	0 - 1.3 km/h / 0 - 0.81 mph
Max incline / Side to side	20° / 10°

Note. All weights and dimensions are for standard units only

Standard specification

- Feed hopper with wear resistant liners
- Vibrating feeder with stepped grizzly
- Telescopic natural fines conveyor with dust cover *
- Main conveyor with dust covers
- Single pole overband magnet
- Tool kit
- Light mast and cabinet lights
- Pull stop cords *
- Belt protection plate under jaw crusher discharge

- Dust suppression spray bars
- Level sensor on crushing chamber
- Remote diesel pump *
- Radio control tracking, proportional
- Hydraulic water pump *
- Central greasing unit, crusher and torque arm
- Hydraulic jacking legs
- Heavy duty lined dirt chute
- My Fleet telematics with 7 years data subscription