

Sandvik QJ341+

Tracked jaw crusher

The QJ341+ comes with the added benefit of a double deck pre-screen, ideally suited for quarrying applications with a high proportion of fines in the feed material. This extracts more fines content prior to crushing, resulting in higher throughput, improved fuel consumption and less wear on the crusher.



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
- Double deck pre-screen and three position by-pass chute for efficient removal of fines
- 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 drivetrain 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	2.43 m / 7' 11"
Length	4.31 m / 14' 2"
Capacity	9.4 m ³ / 12.3 yds ³
Capacity hopper extensions	13 m ³ / 17 yds ³
Rear loading height	4.38 m / 14' 4"
Rear loading height hopper extensions	4.61 m / 15' 2"
Rear loading width hopper extensions	4.07 m / 13' 4"
Feeder	
Type	Hyd - variable speed primary pan
Width	1020 mm / 42"
Total length	2.28 m / 7' 6"
Pre screen	
Type	Hyd drive 2 bearing, high amplitude
Number of decks	Double deck
Top deck size	1100 mm x 2020 mm / 3' 7" x 6' 7"
Bottom deck size	1100 mm x 1500 mm / 3' 7" x 4' 11"
Standard top deck aperture	50 - 70 mm / 2" - 3"
Standard bottom deck aperture	40 mm / 1.5"
Crusher	
Type	Single toggle C12 jaw crusher
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) 280kW / 375hp
Diesel tank capacity	660 litres / 174 USG
Hyd tank capacity	660 litres / 174 USG
Magnet	
Model	Single Pole Magnetic separator
Type	Self cleaning
Telescopic natural fines conveyor	
Belt width	650 mm / 26"
Discharge height *	3.12 m / 10' 3"
Transport dimensions	
Length	14.72 m / 48' 3"
Width	2.79 m / 9' 2"
Height	3.79 m / 12' 5"
Standard weight	53,000 kg / 116,845 lbs
Operating dimensions	
Length	16.04 m / 52' 7"
Width with NF conveyor	6.39 m / 20' 11"
Height *	4.38 m / 14' 4"
Performance	
Max feed size	650 mm ³ / 25.6 inch ³
Capacity (up to)	450 tph / 496 stph **
Travel speed	0 to 1.3 km/h / 0 to 0.81 mph
Max incline / Side to side	20° / 10°

Note. All weights and dimensions are for standard units only

Standard specification

- Feed hopper complete 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 year data subscription

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