

Sandvik QJ241

Tracked jaw crusher

The QJ241 is the most compact model in the world leading series of Sandvik tracked jaw crushers. This highly productive unit is built to tackle the most difficult applications with ease, it has been designed to meet the needs of the smaller operator seeking a high performance mobile jaw crusher which is both reliable and durable.



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 eliminating conveyor blockages
- Steel pipe work used extensively to give superior heat dissipation and maximum reliability
- Capable of operating in the most hostile environments

Productivity

- Highly productive 1000 x 650 mm / 40" x 26" jaw opening for maximum throughput
- Hydraulic CSS jaw setting adjusted using control panel or handset, to avoid interruptions
- Load sensing 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	QJ241
Hopper	
Width	1.84 m / 6'
Length	3.77 m / 12' 4"
Capacity	4.95 m ³ / 6.5 yds ³
Rear loading height	3.56 m / 11' 8"
Feeder	
Type	Hyd - variable speed grizzly
Width	800 mm / 32"
Total length	3.58 m / 11' 9"
Grizzly length	1.26 m / 49"
Standard aperture	35 - 70 mm / 1" - 2"
Crusher	
Type	Single toggle C10 jaw
Feed opening	1000 mm x 650 mm / 40" x 26"
Speed	Up to 312 rpm
Adjustment type	Hyd wedge
CSS range	50 - 130 mm / 2"- 5" *
Main conveyor	
Belt width	800 mm / 32"
Discharge height	3.44 m / 11' 3"
Tracks	
Length (centres)	3.31 m / 10' 10"
Width (shoe)	400 mm / 16"
Control	Radio / Umbilical

Key specifications	QJ241
Power pack	
Engine	CAT C7.1 Stage 5 / T4F 168 kW / 225 hp CAT C7.1 T3 168 kW / 225 hp Cummins EU Stage 5 / EPA T4F 188 kW / 252 hp
Magnet	
Model	Single pole magnetic separator
Type	Self cleaning
Natural fines conveyor	
Belt width	650 mm / 26"
Discharge height *	1.75 m / 5' 9"
Transport dimensions	
Length	13.90 m / 45' 7"
Width	2.52 m / 8' 3"
Height	3.22 m / 10' 6"
Standard weight	33,500 kg / 73,855 lbs
Operating dimensions	
Length	13.74 m / 45' 1"
Width	4.19 m / 13' 9"
Height	3.86 m / 12' 8"
Performance	
Max feed size	520 mm ³ / 21 inch ³
Capacity (up to)	225 tph / 248 stph **
Travel speed	0 - 1.10 km/h / 0 - 0.68 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
- Natural fines conveyor *
- 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 for crusher and torque arm
- My Fleet telematics with 7 year data subscription



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* Variant dependent ** Application specific. Please contact a Sandvik representative for clarification on specifications and options Sandvik reserves the right to make changes to the information on this data sheet without prior notification to users