

# 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 CO<sub>2</sub> 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
<b>Hopper</b>	
Width	1.84 m / 6'
Length	3.77 m / 12' 4"
Capacity	4.95 m <sup>3</sup> / 6.5 yds <sup>3</sup>
Rear loading height	3.56 m / 11' 8"
<b>Feeder</b>	
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"
<b>Crusher</b>	
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" *
<b>Main conveyor</b>	
Belt width	800 mm / 32"
Discharge height	3.44 m / 11' 3"
<b>Tracks</b>	
Length (centres)	3.31 m / 10' 10"
Width (shoe)	400 mm / 16"
Control	Radio / Umbilical

Key specifications	QJ241
<b>Power pack</b>	
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
<b>Magnet</b>	
Model	Single pole magnetic separator
Type	Self cleaning
<b>Natural fines conveyor</b>	
Belt width	650 mm / 26"
Discharge height *	1.75 m / 5' 9"
<b>Transport dimensions</b>	
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
<b>Operating dimensions</b>	
Length	13.74 m / 45' 1"
Width	4.19 m / 13' 9"
Height	3.86 m / 12' 8"
<b>Performance</b>	
Max feed size	520 mm <sup>3</sup> / 21 inch <sup>3</sup>
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

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