



SANDVIK QJ241 MOBILE JAW CRUSHER

TECHNICAL SPECIFICATION

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	<ul style="list-style-type: none">- 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	<ul style="list-style-type: none">- Highly productive 1.00 m 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	<ul style="list-style-type: none">- 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	<ul style="list-style-type: none">- 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	<ul style="list-style-type: none">- 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





KEY SPECIFICATIONS	QJ241
Hopper	
Width	1840 mm / 6'
Length	3770 mm / 12' 4"
Capacity	4.95 m ³ / 6.5 yds ³
Rear loading height	3560 mm / 11' 8"
Feeder	
Type	Hyd - variable speed grizzly
Width	800 mm / 32"
Total length	3580 m / 11' 9"
Grizzly length	1260 mm / 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	3440 mm / 11' 3"
Tracks	
Length (centres)	3310 mm / 10' 10"
Width (shoe)	400 mm / 16"
Control	Radio / Umbilical

KEY SPECIFICATIONS	QJ241
Powerpack	
Engine	CAT C7.1 Stage 5 / T4F 168 kW / 225 hp CAT C7.1 T3 168 kW / 225 hp
Magnet	
Model	Single pole magnetic separator
Type	Self cleaning
Natural fines conveyor	
Belt width	650 mm / 26"
Discharge height	1750 mm / 5' 9"
Transport dimensions	
Length	13.90 m / 45' 7"
Width	2.52 m / 8' 3"
Height	3.22 m / 10' 6"
Standard weight	33,938 kg / 74,820 lbs
Operating dimensions	
Length	13.74 m / 45' 1"
Width	4.19 m / 13' 9"
Height	3.86 m / 12' 8"
Performance	
Maximum 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

For option availability please speak with your local Sandvik representative

* 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