



# QJ241 JAW CRUSHER PIONEERING SOLUTIONS FOR YOU

TECHNICAL SPECIFICATION

**The Sandvik QJ241 is the smallest compact tracked jaw crusher in the world leading series of Sandvik tracked crushers. This highly productive yet self-propelled machine brings the revolutionary features of the Sandvik QJ341 to the smaller quarry or demolition site, where operating space is limited, yet high performance demanded.**

Compact and mobile, the QJ241 is fitted with a hydraulic raise and lower facility on the main conveyor making it the ideal solution for recycling applications, yet it is equally productive for hard rock applications.

## KEY BENEFITS

- Danfoss hydraulic control system for greater efficiency with all controls located at ground level for ease of access and maintenance.
- Full PLC control system and Danfoss colour screen allowing visual data output of all plant operating parameters.
- Hydraulic raise and lower facility on the main conveyor to give increased clearance for rebar

discharge in recycling applications. Also extended for greater discharge height.

- Tunnel arrangement to reduce catchment points in recycled materials
- Improved load control system for feeder drive to ensure continuous, uninterrupted crushing.
- Steel pipe work used extensively to give superior heat dissipation and to provide a maintenance free sealing solution.
- Speed wheel fitted to main conveyor to stop the feeder, negating the need to dig out a heavily loaded conveyor
- Capable of operating in the most hostile environments with a 50°C ambient temperature capability without any oil changes.



KEY SPECIFICATIONS	QJ241
<b>Hopper</b>	
Type	Hyd Folding - Side and Rear
Width	1840mm / 6'
Length	3770mm / 12' 4 1/2"
Level Capacity	2.8 m <sup>3</sup> / 3.7 yds <sup>3</sup>
Heaped Capacity	4.95 m <sup>3</sup> / 6.5 yds <sup>3</sup>
Rear Loading Height	3568mm / 11' 8 1/2"
<b>Feeder</b>	
Type	Hyd - Variable Speed Grizzly
Width	800mm / 31 1/2"
Total Length	3580mm / 11' 9"
Grizzly Length	1260mm / 49 1/2"
Standard Aperture	35 - 70mm / 1 3/8" - 2 3/4"
<b>Crusher</b>	
Type	Single Toggle - C10
Feed Opening	1000mm x 650mm / 40" x 26"
Speed	320 rpm
Adjustment Type	Hyd Wedge
Drive	Hyd via V Belts
CSS Range	50 - 150mm / 2" - 6"
Motor Type	Danfoss
Motor cc	250cc / 15.25 cu inch
<b>Main Conveyor</b>	
Belt Width	800mm / 31 1/2"
Belt Length (endless)	21000mm / 68' 11"
Discharge Height	3444mm / 11' 3 3/8"
Raise/Lower	Yes - Hydraulic
Head Drum Diameter	282mm / 11"
Tail Drum Diameter	270mm / 10 1/2"
Drive	Hyd Motor
Motor CC	624cc / 38.1 cu inch
<b>Tracks</b>	
Length (Centres)	3310mm / 10' 10 1/2"
Width (Shoe)	400mm / 15 1/2"
Drive	Prop Hyd / Gearbox
Control	Radio / Umbilical

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<b>Powerpack</b>	
Engine	Stage 3A / Tier 3 CAT C7.1 Acert / Stage 3B / Tier 4i CAT C7.1 Acert / Stage 4 / Tier 4 Final CAT C7.1 Acert
Engine Power	168 kW / 225 hp
Diesel Tank Capacity	660 litres / 174 US Gal
Hyd Tank Capacity	660 litres / 174 US Gal
<b>Magnet (option)</b>	
Model	Eriez CP20/80 - SC2
Weight	800 kg / 1764 lbs
Belt Width	750mm / 29 1/2"
Height From Belt	Variable
Type	Self Cleaning
<b>Natural Fines Conveyor (option)</b>	
Belt Width	650mm / 25 1/2"
Belt Length (endless)	6370mm / 20' 11"
Discharge Height	1757mm / 5' 9 1/8"
Drive	Hyd Motor
Motor cc	395cc / 24 cu inch
<b>Transport Dimensions</b>	
Length	13.90m / 45' 7 3/8"
Width	2.64m / 8' 7 7/8"
Height	3.22m / 10' 6 5/8"
Cubic Volume	118.1 m <sup>3</sup> / 4170.7 ft <sup>3</sup>
<b>Operating Dimensions</b>	
Length	13.74m / 45' 1"
Width	3.23m / 10' 7 1/4"
Height	3.86m / 12' 7 7/8"
Standard Weight	32,568 kg / 71,800 lbs
<b>Performance</b>	
Optimum Feed Size	520mm <sup>3</sup> / 21 inch <sup>3</sup>
Capacity (up to)	225 tph / 248 stph

Note. All weights and dimensions are for standard units only

## OPTIONS

Wear resistant hopper liner plates back and sides  
Wear resistant feeder pan liner  
Belt protection plate under jaw crusher discharge  
Central auto lube (all bearings)  
Pull stop cords on the main and natural fines conveyor  
Main Conveyor canvas covers  
Remote diesel pump (electric)  
Water pump (hydraulic)  
Arctic package -20°C (-4°F) (32 Grade oil and engine oil)  
Arctic package -30°C (-22°F) (arctic hydraulic oil, engine oil, webasto coolant heater and grease)  
Overband magnet  
Natural fines conveyor

Intelligent line multi-machine communication  
Main conveyor level sensor (stockpile monitor)  
Lighting mast and cabinet lights  
Engine filter kit - 250 hours (Air and oil filters - for 3A engines only)  
Plant and engine filter kit - 500 hours (3A engine)  
Plant and engine filter kit - 500 hours (3B engine)  
Plant and engine filter kit - 500 hours (4 Final engine)  
Head drum guard main conveyor  
Head drum guard natural fines conveyor  
Radio remote control  
Jaw crusher level sensor