

# Powerscreen® Premiertrak 300 Jaw Crusher

## TRANSPORT DIMENSIONS

- Length: 14.3m (46'11")
- Height: 3.2m (10'6")
- Width: 2.55m (8'5")
- Weight (Est) :
- Premiertrak 300: 33,000kg (36.38 US Ton) (no options)
- Premiertrak R300: 34,650kg (38.19 US Ton) (no options)

## OUTPUT POTENTIAL

- Up to 280tph / (308 US tph)

## CRUSHER

- High capacity single toggle jaw with aggressive throw and hydraulic adjustment
- Cartridge bearings and excellent clearance under swing jaw
- All new 1000mm x 600mm Terex jaw chamber (both HA & HR)

## HOPPER

- Abrasion resistant feed hopper with hydraulic struts and pins
- Support mechanism: Hydraulic locking from ground level

## PRODUCT CONVEYOR

- Modular conveyor with raise/lower facility

## POWER UNIT

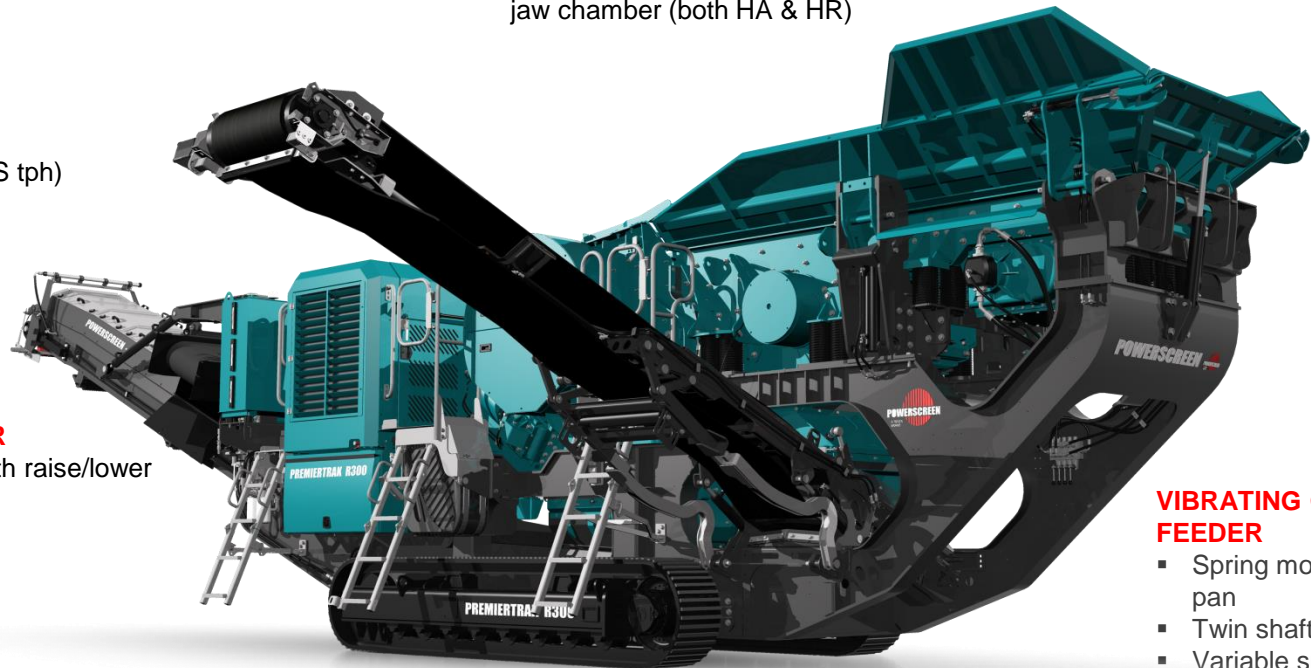
- Tier 3/Stage 3A: CAT C9 205kW (275hp) (Direct drive)
- Tier 4 Final: Scania DC9 80A 202kW (270hp) (Direct drive)

## BYPASS CHUTE

- Wear resistant steel lined with adjustable deflector plate to divert material to product conveyor or dirt conveyor

## VIBRATING GRIZZLY FEEDER

- Spring mounted vibrating pan
- Twin shaft vibrator
- Variable speed control



# Powerscreen® Premiertrak 300 Jaw Crusher (Options)

## WEIGHT (EST)

Premiertrak 300 (dirt conveyor & magnet):  
35,000kg (38.58 US Ton)

Premiertrak R300 (dirt conveyor & magnet):  
36,650kg (40.40 US Ton)

## HYDROSTATIC DRIVE

Robust closed loop Hydrostatic system for easy unblocking of the crushing chamber and reverse running.

## OPTIONS

- Deflector plate under crusher
- Dirt conveyor
- Single pole/twin pole magnet
- Radio remote control
- Belt weigher
- Electric refuelling pump
- Hydraulic water pump
- Urea refuelling pump
- Pre-screen system
- Stockpiler drive

## ELECTRIC REFUELLING PUMP

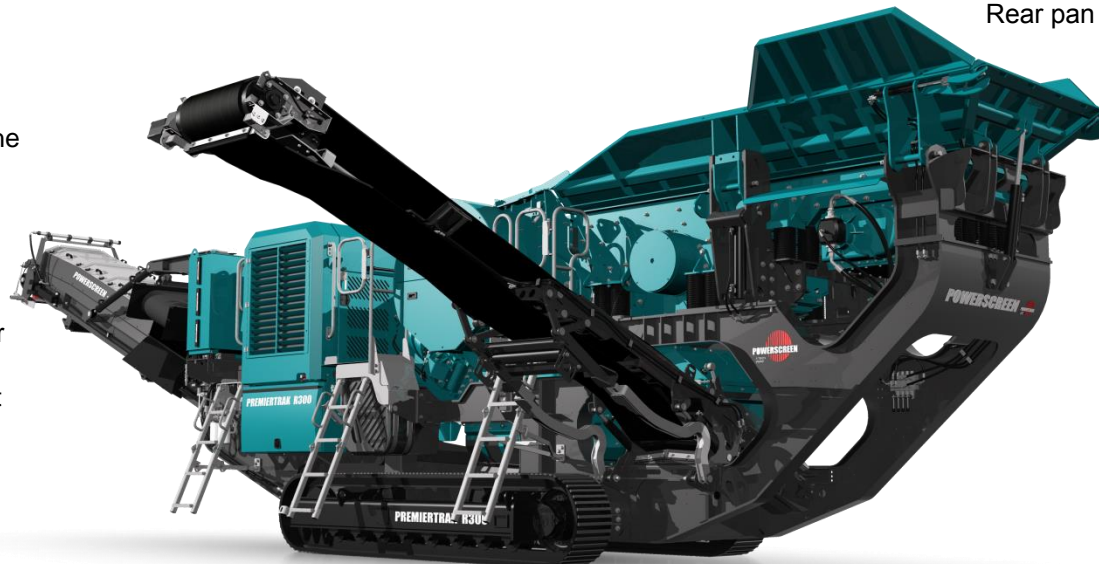
Fills tank via replaceable filters to reduce fuel contamination

## INDEPENDENT PRE-SCREEN

Aggressive 10mm throw  
1000RPM Speed  
Top deck: 2m (6'7") long x 0.90m (3") cassette  
Mesh deck: 1.35m (4'5") long x 0.9m(3") wide

## PRE-SCREEN PAN

Spring mounted vibrating pan incorporating twin shaft vibrating unit and variable speed control.  
(500-900 RPM)  
Length: 1.85m (6'1")  
Width: 900mm (3')  
Rear pan length: 1.73m (5'8")



## DIRT CONVEYOR

Folding or  
Folding & Telescopic (Optional)  
Belt width: 650mm (2'2")  
Discharge height: 2.75m (9') or 3.1m (10'2")  
Type: Troughed, modular, hydraulic raise / lower

## DEFLECTOR PLATE UNDER CRUSHER

Hydraulic control via electric push button beside Jaw discharge area.



# Powerscreen® Premiertrak 300 Jaw Crusher – Features & Benefits

## Key features

1. Full hydraulic hopper folding / locking and conveyor folding – can be done from ground level
2. Large under jaw clearance  
Hydraulically lowered conveyor with optional radio control for clearing blockages
3. Push button Jaw CSS & optional deflector plate adjustment
4. Variable crusher speed
5. Lockout shims available for Hydraulic Release machine (Premiertrak R300) for hard rock applications
6. Bypass chute with adjustable deflector plate to switch between product & dirt conveyor
7. Large diesel tank
8. Belt tension idler wheel & high quality drive belts to ease adjustment and reduce belt slip (Direct Drive model).
9. Large screen area on both Vibrating Grizzly Feeder & Pre-screen versions
10. Advanced control system with simple auto-start function and easy change of settings
11. Engine speed & hydraulic system optimised to reduce losses & maximise fuel efficiency
12. Low engine speed

## What this means for the customer

1. Rapid setup times and no working at height required
2. Less chance of blockages and easy to clear if required
3. Simple and quick adjustment of machine settings resulting in less downtime
4. More ability to fine tune the machine to the application and maximise throughput
5. Hydraulic Release machine (Premiertrak R300) has more flexibility across a greater range of applications
6. Customer can easily switch bypassed material between product conveyor or dirt conveyor via a handle without the need for blanking mats etc
7. Long running shifts without need to re-fuel
8. Belt tensioner allows quick and easy belt changes if required and simple tensioning. It also reduces chance of slippage (Direct Drive model)
9. More material can be screened out and bypass the chamber giving a cleaner feed and reducing wear costs
10. Control system provides ease of use and good diagnostics for fault finding along with a robust interface
11. Improved running costs
12. Improves fuel consumption and provides lower noise emissions for working in urban/restricted areas