

Powerscreen® Premiertrak 600 Jaw Crusher

TRANSPORT DIMENSIONS

- Length: 17.1m (56'1")
- Height: 3.8m (12'6")
- Width: 3.0m (9'10")
- Width: 3.2m (10'6") ('E' version)
- Weight (Est) :
- Premiertrak 600: 64,000kg (70.54 US tons) (no options)
- Premiertrak 600E: 70,000kg (77.16 US tons) (no options)

OUTPUT POTENTIAL

- Up to 600tph / (661 US tph)

CRUSHER

- High capacity single toggle jaw with aggressive throw and hydraulic adjustment
- CSS range 75mm-200mm
- Heavy duty design
- All new 1200mm (47") x 820mm (32") Terex jaw chamber

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
- Hydraulic lift tail section for ground clearance and maximum under-crusher clearance

VIBRATING GRIZZLY FEEDER

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

POWER UNIT

- Tier 3/Stage 3A: CAT C13 328kW (440hp)
- Tier 4 final: Scania DC13 331kW (444hp)

BYPASS CHUTE

- Wear resistant steel lined with adjustable five position deflector plate to divert material to product conveyor or dirt conveyor. No blanking mats required

Powerscreen® Premiertrak 600 Jaw Crusher (Options)

WEIGHT (EST)

- Premiertrak 600 (Dirt conveyor & magnet)
67,000kg (73.85 US tons)
- Premiertrak 600E (Dirt conveyor & magnet)
74,000kg (81.57 US tons)

ELECTRIC DRIVE

- Can be run with on-board gen-set or mains supply
- Crusher drive via 160kW high efficiency motor
- Speed control via high performance variable frequency drive

OPTIONS

- Extended product conveyor
- Hopper Extensions
- Jaw unblocking system
- Independent pre-screen
- Deflector plate under crusher
- Dirt conveyor
- Product conveyor aluminium dust covers
- Single pole / twin pole magnet
- Radio remote control
- Belt weigher
- Hydraulic water pump
- Urea and fuel pump

ELECTRIC REFUELLING PUMP

- Fills tank via replaceable filters to reduce fuel contamination

INDEPENDENT PRE-SCREEN

- Aggressive 9mm throw
- 1000RPM Speed
- Top deck: 2m (6'7") long x 1.22m (4') cassette
- Mesh deck: 1.38m (4'6") long x 1.2m (4') wide

PRE-SCREEN PAN

- Spring mounted vibrating pan incorporating twin shaft vibrating unit and variable speed control.
- (450-850 RPM)
- Length: 2.39m (7'10")
- Width: 1060mm (3' 6")



DEFLECTOR PLATE UNDER CRUSHER

- Hydraulic control via main control screen

DIRT CONVEYOR

- Belt width: 750mm (2' 6")
- Discharge height: 3.8m (12' 6")
- Type: Troughed, modular, hydraulic raise / lower



Powerscreen® Premiertrak 600 Jaw Crusher – Features & Benefits

Key features

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

What this means for the customer

1. Ability to power from mains source or common generator powering a train of machines. Enough excess power available to run an electric screen
2. Less chance of blockages and easy to clear if required
3. Quicker method of unblocking a stalled jaw
4. Rapid setup times and no working at height required
5. Simple and quick adjustment of machine settings resulting in less downtime
6. More ability to fine tune the machine to the application and maximise throughput
7. Improved running costs
8. Improves fuel consumption, extends engine life and provides lower noise emissions for working in urban/restricted areas
9. Customer can easily switch bypassed material between product conveyor or dirt conveyor via a handle without the need for blanking mats etc
10. Belt tensioner allows quick and easy belt changes if required and simple tensioning. It also reduces chance of slippage (Direct Drive model)
11. More material can be screened out and bypass the chamber giving a cleaner feed and reducing wear costs
12. Control system provides ease of use and good diagnostics for fault finding along with a robust interface