# 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)

#### 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**

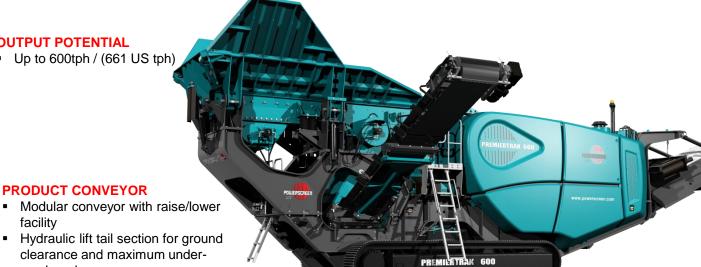
- Abrasion resistant feed hopper with hydraulic struts and pins
- Support mechanism: Hydraulic locking from ground level

#### **OUTPUT POTENTIAL**

Up to 600tph / (661 US tph)

PRODUCT CONVEYOR

crusher clearance



#### VIBRATING GRIZZLY **FEEDER**

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

#### **POWER UNIT**

facility

- 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 systemIndependent 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")



#### **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

- 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
- Rapid setup times and no working at height required
- 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
- Customer can easily switch bypassed material between product conveyor or dirt conveyor via a handle without the need for blanking mats etc
- 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

