

# 696 2-DECK INCLINED SCREEN



**696 2-Deck**

# 696 2 DECK

The 696 2-deck inclined screen has been developed to fulfill the demands of high production producers in quarrying, mining, sand and gravel, coal, woodchip and topsoil applications.

The new high energy screenbox features two full size 6.1m x 1.7m (20' x 5' 7") to give a total screening area of 20.74m<sup>2</sup> (223ft<sup>2</sup>). The 8m<sup>3</sup> (10.5yd<sup>3</sup>) hopper / feeder is fitted with variable speed belt feeder to ensure consistent flow of material and can be fitted with remote tipping grid or double deck vibrating grid.

Operator benefits include a quick set-up time (typically under 30 minutes) with hydraulically folding screenbox catwalks and product conveyors. The compact transport envelope enables the machine to be transported between jobsites with ease. Hybrid powerpack is available as an option.

### Oversize Conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 400cc motor
- ▶ Belt width: 800mm (32")
- ▶ Belt spec: Chevron EP315/3+1.5 (15mm RIB)
- ▶ Working Angle: 22°
- ▶ Speed: Variable speed, 0 - 90mpm (0 - 295' per min)
- ▶ Hydraulic Folding
- ▶ Discharge Height: 5.1m (16' 9")

### Fines conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 800cc motor
- ▶ Belt width: 1.2m (48")
- ▶ Belt spec: Plain, EP400/3PLY 3+1.5
- ▶ Working Angle: Variable 27.5° (Max)
- ▶ Rosta scraper on head drum
- ▶ Speed: 125 mpm (410' per min)
- ▶ Standard Discharge Height: 5.5m (18' 1")
- ▶ Stockpile capacity: 285m<sup>3</sup> (373yd<sup>3</sup>)

### Main conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 630cc motor
- ▶ Belt width: 1.2m (48")
- ▶ Belt spec: EP400 3 Ply 3+1.5
- ▶ Hydraulic slide
- ▶ Hydraulic discharge height adjustment
- ▶ Belt Speed: 92 mpm (302' per min)
- ▶ Steel skirted full length of conveyor

### Screen box

- ▶ All decks: 6.1m x 1.7m (20' x 5' 7")
- ▶ Wedge side tensioned Top Deck mesh
- ▶ Hydraulic end tensioned bottom deck mesh
- ▶ End tensioned bottom deck
- ▶ Drive: hydraulic heavy duty 2-bearing
- ▶ Hydraulic Folding Catwalks
- ▶ Screen Angle: 18° - 32°, hydraulic adjust
- ▶ Screen speed: 1050 rpm
- ▶ Abrasion resistant material impact plate
- ▶ Total screening area: 20.74m<sup>2</sup> (223ft<sup>2</sup>)

### Hopper / Feeder

- ▶ Hopper Capacity: 8m<sup>3</sup> (10.5yd<sup>3</sup>)
- ▶ Feed height: 2.5m (8' 2") - no grid
- ▶ Feed in width: 4.2m (13' 9")
- ▶ Grid aperture: 100mm (4")
- ▶ Drive: variable & high torque w/g. box
- ▶ Beltfeeder belt width: 1.2m (48")
- ▶ Belt Spec: Plain, EP500/3.5+1.5
- ▶ Speed: variable, 0 - 16 mpm (0 - 53' per min)
- ▶ Wide mouth opening

## STANDARD FEATURES

### ENGINE:

Tier 3 / Stage 3A Caterpillar C4.4 - 4 cylinder diesel engine developing 90kW (121hp) @ 1800rpm  
 Stage IIIA CAT 4.4 constant speed engine - 4 cylinder diesel engine developing 98.1kW (131hp) @ 1800rpm - Europe Only  
 Tier 4F / Stage IV - Caterpillar C4.4 - 4 cylinder diesel engine developing 93kW (125hp) @ 1800rpm  
 Stage V Caterpillar C4.4 - 4 cylinder diesel engine developing 98kW (131hp) @ 1800rpm

### FEEDER:

Hopper Capacity: 8m<sup>3</sup> (10.5yd<sup>3</sup>)

Hopper feed length: 4.25m (14ft)

Belt width: 1.2m (48") variable speed belt feeder

Remote control hydraulic tipping reject grid c/w grouser bars 4.25m x 100mm spacing (14' 0" x 4")

### SCREENBOX:

6.1m x 1.7m (20' x 5' 7") top and bottom deck screenbox

No mesh or speed harps included for any deck (but all mesh fitting parts included as standard)

Quick wedge tensioning - top deck

Hydraulic tensioning (bottom deck screen mesh)

### MAIN CONVEYOR:

Belt Width: 1.2m (48") c/w skirting

Hydraulic raise of Main Conveyor head-section (For improved mesh access)

### SIDE CONVEYORS:

Belt Width: 800mm (32") chevron on both side conveyors

### FINES CONVEYOR:

Belt Width: 1.2m (48") plain belt

### ELECTRICAL:

Emergency Stops

Control operation of tracks via hand-held set

T-Link Telemetry System fitted c/w 7 years data

### GENERAL:

Safety guards in compliance with machinery directive

Low level central greasing

## Features:

- ▶ Simple and intuitive folding mechanism for the onboard product conveyors for ease of deployment and onsite movement.
- ▶ Hydraulic folding catwalks as standard for improved onsite efficiency and to enable rapid screenbox deployment.
- ▶ The hydraulics system has been engineered to provide the optimum balance of power and efficiency.
- ▶ Screen box angle can be hydraulically adjusted to an angle between 18° and 32°.
- ▶ T-Link telematics hardware and software along with free seven year data subscription are fitted and installed as standard.



### Middle grade conveyor

- ▶ Drive: Hydraulic variable speed drive via high torque 400cc motor
- ▶ Belt width: 800mm (32")
- ▶ Belt spec: Chevron EP315/3+1.5 (15mm RIB)
- ▶ Working Angle: 22°
- ▶ Speed: Variable speed, 0 - 90mpm (0 - 295' per min)
- ▶ Hydraulic Folding
- ▶ Discharge Height: 5.1m (16' 9")

### Power unit

- ▶ Tier 3 / Stage IIIA: Caterpillar C4.4  
Engine Power: 90kW (121hp)  
Engine Speed: 1800rpm
- ▶ Stage IIIA Constant Speed: Caterpillar C4.4  
Engine Power: 98.1kW (131hp)  
Engine Speed: 1800rpm
- ▶ Tier 4F / Stage IV: Caterpillar C4.4  
Engine Power: 93kW (125hp)  
Engine Speed: 1800 rpm
- ▶ Stage V : Caterpillar 4.4  
Engine Power: 98kW (131hp)  
Engine Speed: 1800 rpm

### Undercarriage

- ▶ Shoe Width: 500mm (20")
- ▶ Sprocket Centres: 4.2m (13' 8")
- ▶ Speed: 0.8 km/h
- ▶ Gradeability: 32.6°
- ▶ Raking Angle: 9°

### Transport Dimensions



### Working Dimensions



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