

TECHNICAL BROCHURE



FRONTIER™ SF16 3D Mobile Incline Finishing Screen

KEY SPECIFICATIONS

FINES CONVEYOR

Belt width 1200 mm (48") nominal
Discharge height 4.775 m (15' 8")

MID-FINESIZE CONVEYOR

Belt width 650 mm (26") nominal
Discharge height 4.725 m (15' 6")

SCREEN BOX

Top deck size: 4.875 x 1.525 m (16' x 5')
Mid deck size: 4.875 x 1.525 m (16' x 5')
Bottom deck size: 4.265 x 1.525 m (14' x 5')
Speed: 925 - 1045 - 1140 rpm
Throw: 6.5 - 9.5 mm (0.25 - 0.38 ")
Hydraulic angle adjustment: 19 - 32°

DELIVERY CONVEYOR

Belt width 1050 mm (42") nominal
Fixed Speed: 113.3 m/min (371.6 ft/min)

MID-OVERSIZE CONVEYOR

Belt width 650 mm (26") nominal
Discharge height 4.725 m (15' 6")

OVERSIZE CONVEYOR

Belt width 500 mm (20") nominal
Discharge height 4.830 m (15' 10")

FEED HOPPER

Capacity: 6.1 cu. m (8.0 cu. yd)
Grid openings: 100 mm (4")
Hydraulic tipping grid, adjustable angle, remote control

POWER UNIT

Higher regulated countries (standard)

Engine (Stage V/ Tier 4F): CAT C3.6
Power rating: 100 kW (134 Hp)

Lesser regulated countries (optional)

Engine (Stage IIIA/ Tier 3): CAT C4.4
Power rating: 95 kW (127 Hp)

Diesel tank capacity 454 L (120 gal)
Hydraulic tank capacity 550 L (145 gal)

FEATURES

- High capacity up to 500 mtp (551 US tph) (application dependent)
- Maximum feed size 150 mm (6")
- Class leading power unit output: 100 kW (134 Hp)
- Spare parts commonality across numerous other mobile screen models
- Safe and easy access to all critical components for service and maintenance
- More uptime with class leading fuel tank capacity: 454 L (120 gal)
- Radio controlled tipping grid and belt feeder
- Heavy duty incline screen box with adjustable stroke, angle and speed
- Class leading screen box bearing size
- Screen walkway with handrails and access ladder
- Hydraulically folding and adjustable conveyors with maximized stockpile capacity
- Reversible cross (transfer) conveyor
- Fines conveyor drop down to aid with bottom deck mesh access
- Hydraulic raise/lower of head section for mesh access
- Telematics system provided as standard

For available options, please speak to your local dealer

Astec Screen Plants are engineered to provide higher production capacities and more efficient sizing than comparable screens.

The Frontier™ SF16 mobile incline finishing screen is designed for medium to large scale operations where large volumes of high specification products are required.

TYPICAL APPLICATIONS



WORKING DIMENSIONS

	Metric	Imperial
Weight	35756 kg	78,828 lb
Width	17.717 m	58' - 2"
Length	18.641 m	61' - 2"
Height	6.246 m	20' - 6"

TRANSPORT DIMENSIONS

	Metric	Imperial
Weight	35756 kg	78,828 lb
Width	3 m	9' - 10"
Length	18.085 m	59' - 4"
Height	3.530 m	11' - 7"

FRONTIER™ SF16 3D

Mobile Incline Finishing Screen



BUILT TO CONNECT



Rev 4 / 26

Note: Consult factory for exact dimensions, specifications are subject to change without notice.

