

TECHNICAL BROCHURE



FRONTIER™ SF20 3D Mobile Incline Finishing Screen

KEY SPECIFICATIONS

FINES CONVEYOR

Belt width 1200 mm (48") nominal
Discharge height 5.08 m (16' - 8")

MID-FINESIZE CONVEYOR

Belt width 800 mm (32") nominal
Discharge height 5.03 m (16' - 6")

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)

SCREEN BOX

Top deck size: 6.10 m x 1.5 m (20' x 5')
Mid deck size: 6.10 m x 1.5 m (20' x 5')
Bottom deck size: 5.48 m x 1.5 m (18' x 5')
Speed: 950 rpm
Throw: 6.5 - 9.5 mm (0.25 - 0.38")
Tensioning: Side tension top and middle decks
End tension bottom deck
Hydraulic angle adjustment: 19 - 30°

MID-OVERSIZE CONVEYOR

Belt width 800 mm (32") nominal
Discharge height 5.03 m (16' - 6")

DELIVERY CONVEYOR

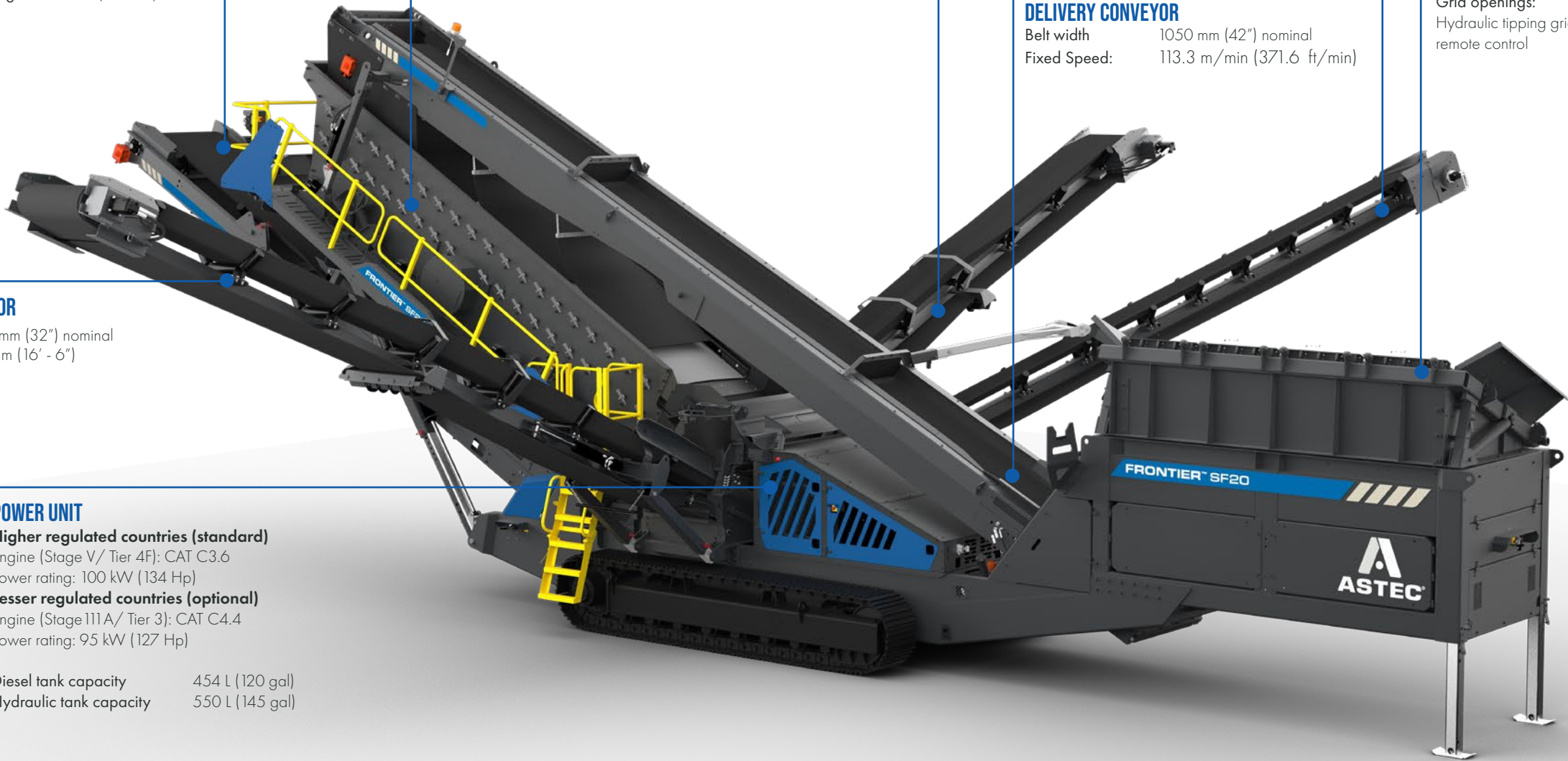
Belt width 1050 mm (42") nominal
Fixed Speed: 113.3 m/min (371.6 ft/min)

OVERSIZE CONVEYOR

Belt width 500 mm (20") nominal
Discharge height 4.85 m (15' - 11")

FEED HOPPER

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



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

The SF20 3D mobile incline finishing screen is designed for medium to large scale operations where large volumes of high specification products are required.

TYPICAL APPLICATIONS



FEATURES

- High capacity up to 600 mtp (661 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: 643 L (170 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

WORKING DIMENSIONS

	Metric	Imperial
Weight	37,000 kg	81,570 lb
Width	18.43 m	60' 6"
Length	18.98 m	62' 3"
Height	6.80 m	22' 4"

TRANSPORT DIMENSIONS

	Metric	Imperial
Weight	37,000 kg	81,570 lb
Width	3 m	9' 10"
Length	18.44 m	60' 6"
Height	3.6 m	11' 11"

FRONTIER™ SF20 3D
Mobile Incline Finishing Screen



BUILT TO CONNECT



Rev 2 / 26

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

