



SM Series Trommels

Doppstadt **US**

SHRED. SCREEN. GRIND.

SM 1200 Triflex

In a single pass, create three fractions of organic source material, even with very high moisture content, with our SM 1200 Triflex two-deck star screen.

The high-volume, precise separation capability of the Triflex offers unprecedented screening performance for operations that have highly demanding screening needs. With its large 140 sq. ft. screening surface, the Triflex achieves extremely high rates of output, while delivering very consistent sizing.

Triflex functionality is based on the parallel rotation of the stars on each deck to loosen and transport material across the screen. Doppstadt's exclusive alternating shaft speeds provide an additional degree of agitation, which further tears and separates the material, even with high-moisture-content material.

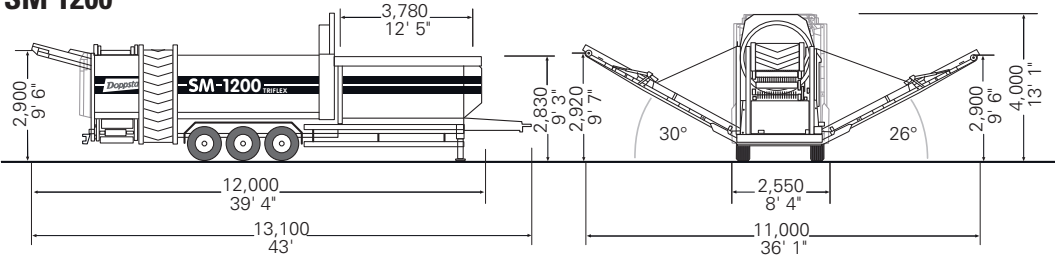


▲ Doppstadt's innovative star decks rip material for maximum agitation, while keeping the shaft clean of debris.



▲ The two-deck star screen mechanism of the SM 1200 delivers precise separation at extremely high rates of output.

SM 1200



Transport dimensions L/W/H: 12,000 / 2,550 / 4,000 (39' 4" / 8' 4" / 13' 1")

Model Weight	48,502 lb.
Engine	MB OM 904 LA
HP	100
Exhaust Level	TIER 3
Fuel tank	80 gal.
Speed	n/a
Conveyor Width	rear: 48" side: 1: 40" side: 2: 32"

Also available on tracked chassis



SLIP-ON COUPLING

The slip-on coupling allows the transport of the machine by means of a wheel loader grab (only machines with drawbar).



SWING-OUT DRIVE UNIT

Optimum access to the diesel engine and to the central lubrication points for easy maintenance and repair. The water and oil cooler is provided with an additional dust protection basket.



DRUM DRIVE

The drum with direct drive ensures operational safety and an easy replacement.



CLEANING BRUSH

Self-cleaning of the drum by rotating, hydraulically controlled brush.



CENTRAL CONTROL PANEL

Easy operation, exact adjustment and reading of the machine data by multifunctional display.



REMOTE CONTROL

One-man operation for the control of all the functions of the screen by remote control*, e.g. from the wheel loader.

explanations and illustrations by example of the SM 720



MAINTENANCE

Large doors for optimum maintenance.



REAR AND SIDE CONVEYOR

The coarse fraction is discharged by the rear conveyor, the fines are discharged by the side conveyor. Fe-separation is possible by means of a magnetic pulley* or an overband magnet*.

SCREENING DRUM

The patented, load-sensing material feed enables an optimum utilization of the large screening surface. The drum can be easily changed in 15 minutes or less.



A Broad Range of Effective Applications

SM Series Trommels Perform. Period.

Doppstadt trommels offer a combination of efficiency and performance that delivers unprecedented screening and separation results across numerous applications. Because of their unique design and innovative engineering, SM trommels can even excel in screening materials not traditionally associated with trommels, such as scrap and aggregate.

Boosting Your Bottom Line



With their exceptional fuel efficiency, the durability of their engineering, the quick-change sizing drum, the low rate of wear-part replacement and the ease of maintenance, SM trommels have a significantly lower overall cost of operation and ownership. The bottom line is a boost to your bottom line: Doppstadt trommels will make you more money.

topsoil: remove oversized lumps and rocks; high throughput for maximum productivity

mulch: screening fines between reduction passes saves fuel and decreases grinder wear

aggregate: durable punch-plate drum can screen product sizes from 3/8" – 3"

MSW: remove fines and dirt from MSW to create ADC, and increase life of landfill space

C&D debris: remove fines and dirt prior to separation to increase material value

land clearing: screening between reduction passes reduces fuel and wear costs, creates additional products

biofuel: fine-tune controls result in more precise and consistent product size

shingles: remove fines for more effective manual picking; reduces wear and fuel in final grind

scrap: slag and scrap metal significantly increase in value when size separated

SM Series Trommels

Star Screen Insert

Effortlessly process organic material in extremely wet conditions by quickly converting your SM trommel into a star screen deck.

To maintain high throughput with extremely wet or sticky material, the Doppstadt SM 720 and 720K trommels can quickly convert into a star screen with the drum insert option. Simply remove the existing drum, replace with the star screen insert, and resume operation.

The star screen insert allows you to extend the flexibility of your existing SM 720 trommel throughout any season and in any condition. Wet, clumpy organic material with moisture content as high as 60% or more can continue to be processed, with throughput results as much as 50% higher than screening through a drum.



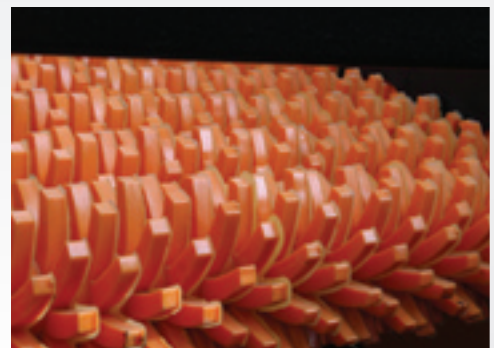
▲ OPTIONAL INFEED AUGER

The standard infeed auger on the star screen insert tears and separates wet, clumpy material before passing onto the star deck; for even stickier material, the infeed auger can be equipped with optional cutting knives.



▲ ALTERNATING SHAFT SPEEDS

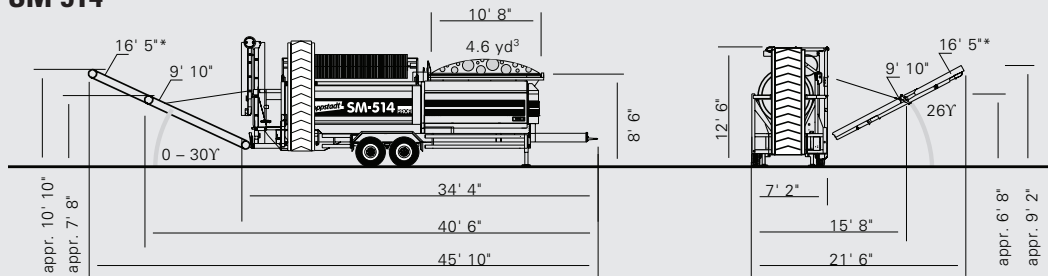
Alternating sprocket sizes result in varying shaft speeds on the deck, creating an extremely effective action for stratifying the feed material to generate a cleaner oversize product and increased production rates.



▲ LONGER WEAR LIFE

The softer urethane star design results in an extended overall wear life on the deck; utilizing an elliptical star shape on the shaft, rather than a conventionally round design, aids dramatically in keeping the shaft clean.

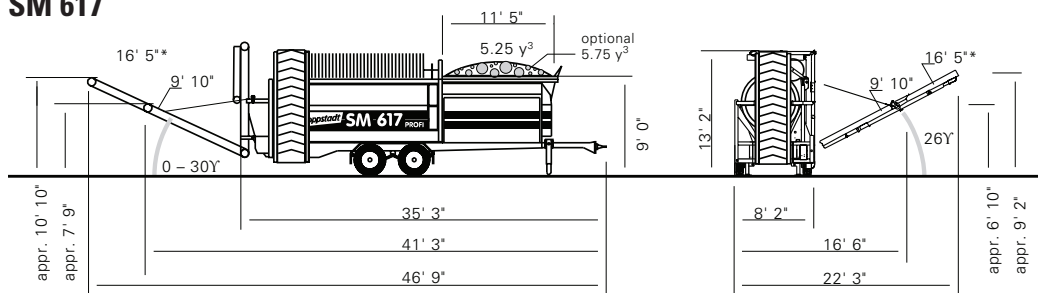
SM 514



Model Weight	23,150 lb.
Engine	CAT C 2.2
HP	50
Exhaust Level	TIER 3
Fuel tank	25 gal.
Speed	0-23 rpm
Conveyor Width	rear: 32" side: 24"

Also available on tracked chassis

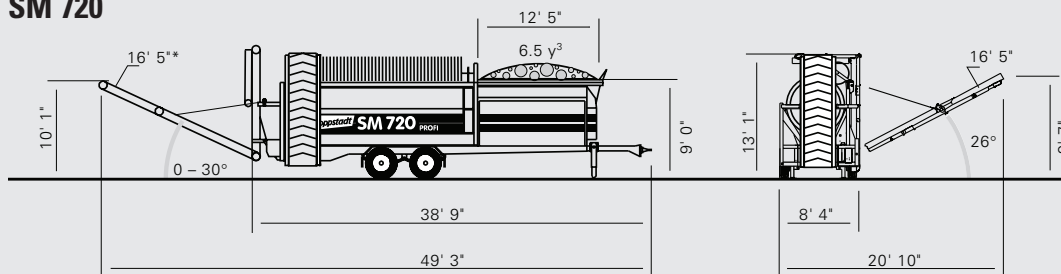
SM 617



Model Weight	29,760 lb.
Engine	CAT 3044C
HP	63
Exhaust Level	TIER 3
Fuel tank	80 gal.
Speed	0-22 rpm
Conveyor Width	rear: 32" side: 32"

Also available on tracked chassis

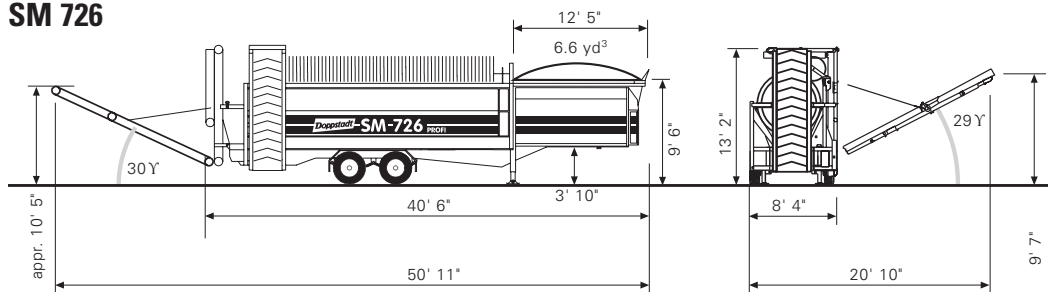
SM 720



Model Weight	37,480 lb.
Engine	MB OM 904 LA
HP	100
Exhaust Level	TIER 3
Fuel tank	80 gal.
Speed	0-22 rpm
Conveyor Width	rear: 40" side: 40"

Also available on tracked chassis

SM 726



Model Weight	52,910 lb.
Engine	MB OM 904 LA
HP	100
Exhaust Level	TIER 3
Fuel tank	80 gal.
Speed	0-19 rpm
Conveyor Width	rear: 40" side: 40"

Also available on tracked chassis



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