

# DOPPSTADT SM 720.2 SA TROMMEL



**Doppstadt**

The screening of the most difficult materials can be carried out without issue by the powerful rotating drum of the SM 720 SA.2 Trommel from Doppstadt. With its modular design and intelligent operation, it can be used across a wide range of challenging screening operations. An extra large hopper and a wide range of options make this machine a beauty of engineering and a workhorse upon which you can build your operation.

## FEATURES:

- Ease of maintenance with wide-opening doors and swing out engine
- Extra large 9.5 yd<sup>3</sup> feed hopper, with low loading height
- Load-sensing system for optimized screening process
- Additional hydraulic connections to power other equipment

The powerful SM 720 SA.2 is another winner in the SM 720 line by Doppstadt, which also includes the SM 720.2 and the SM 720K.2. The punch plate drum is driven by double chain and sprockets for excellent torque. It's one-of-a-kind design pushes material through the drum quickly while ensuring minimal spikes and spears.

Doppstadt offers a trommel to a star screen conversion in just 45 minutes, among many other impressive options, making the SM 720 SA.25 a highly customizable machine in every way possible!

**EXTRA LARGE HOPPER:** A wide 9.5 cubic yard volume hopper allows the machine to be fed by large loaders without spillage. The low-load height makes a ramp unnecessary.

**SWING OUT DRIVE UNIT:** Complete access to the diesel engine and inner mechanical components for easy maintenance and repair.

**DRUM DRIVE:** The drum with direct drive ensures operational safety and an easy replacement.

**CLEANING BRUSH:** Self-cleaning of the drum by rotating, hydraulically ensioned cleaning brushes.



**WITH THE EARTH IN MIND**

## DOPPSTADT SM 720.2 SA TROMMEL

**CHASSIS:** Fifth-wheel, 2 axles

**DRIVE:** Diesel Engine

**TYPE:** Deutz TCD 3.6 L4. EPA Tier 5 Final

**POWER:** 114 HP (85kW) at 1,800 rpm

**TORQUE:** 480Nm at 1,600rpm

**DRUM:** Horizontal punch plate drum with 325 ft<sup>2</sup> of open area (best in class); Skeletal drum with wire mesh for fine screening available as option; Abrasion-Resistant Hardox steel drum available as option

**LENGTH:** 20'

**DIAMETER:** 7'

**MESH SIZE:** selectable 3/8"-4"

**MESH TYPE:** selectable (staggered squares, round holes); wire mesh (optional), solid coloring drum (optional)

**DRUM THICKNESS:** selectable 1/4"-5/8"

**DRUM SPEED:** 0-20 rpm

**FUEL TANK:** 106 gallons

### FEED HOPPER:

- Volume: 9.5 yd<sup>3</sup>
- Loading Height: 9'-6"

### DISCHARGE CONVEYORS:

#### SIDE CONVEYOR:

- Length: 18'
- Width: 40"
- Speed: 10'-2"/second

#### REAR CONVEYOR:

- Length: 18'
- Width: 40"
- Speed: 5'-3"/second

**STANDARD INCLUSIONS:** Extra-large hopper, swiveable engine unit; central lubrication points; cleaning brush with individual brush elements and scrapers.

### TRANSPORT DIMENSIONS:

- Length: 38'-5"
- Width: 8'-2"
- Height: 13'-2"
- Weight: 48,000 lbs

# DOPPSTADT SM 720.2 SA TROMMEL ADVANTAGES

**EFFICIENT SCREENING:** The patented, load-sensing material feed enables optimum utilization of the large, open screening surface. The drum is quickly replaceable in just 15 minutes.

**ELECTRONIC LOAD CONTROL / LOAD SENSING SYSTEM:** The hopper floor speed is automatically adjusted to the load and capacity of the trommel, ensuring a continuous and optimum utilization of the screening surface.

**EXTRA LARGE HOPPER:** Fully impacted feed fill with twin gear drives push and pull the belt with power. Additionally, star screens, tipping grids and other optional attachments can be added over the hopper.

**REAR & SIDE CONVEYOR:** The oversize fraction is discharged by the rear conveyor, the fines are discharged by the side conveyor. Metal recovery is possible by an overband magnet or magnetic pulley (both optional).

**CENTRAL CONTROL PANEL:** Intuitive operation, exact adjustment and reading of the machine data by multifunctional display.

**MAINTENANCE:** Large doors for ease of maintenance.

## DEUTZ TCD 3.6 L4 TIER 5 FINAL DIESEL ENGINE

- Swing out for easy service access
- Bosch-Rexroth hydraulic pumps
- Engine is further away from the ground – less dust.
- Easy maintenance and service with swing out radiator screen.
- Engine Cooling Fan: Hydraulically driven, automatically reversing, variable speed control
- Air Filter: Takes the cool air between the engine radiator and radiator screen



## CONTROL PANEL SYSTEM

- One-button auto-start system with start and stops in sequence
- All engine temperatures oil & water
- Bar pressure for engine oil
- Engine, drum, and Feed Belt rpm
- Fuel level and consumption
- Cooling fan can be switched from automatic or manual control
- Date
- Engine hour meter
- Daily operation hours
- Service intervals
- Memory stored from last operational setting
- Doppstadt machine and Deutz engine fault codes
- Hydraulic oil temperature
- Has the capacity to run 2 auxiliary hydraulic pumps.