

PRODUCT
SPECIFICATION

 **TEREX**[®]

 **ECOTEC**

TTS 518

TROMMEL



COMPACT & EFFICIENT SCREENING

Compact yet uncompromised, the TTS 518 has been intuitively designed offering operators unrivalled application flexibility, production rates and serviceability. Fully equipped with a Stage V/Tier 4 engine (Dual Certified) and the latest intelligent screening technology, the TTS 518 delivers a superior and cost-efficient end-product. Ideal for small to medium sized operations where space may be limited, the highly versatile TTS 518 is available in both tracked and wheeled variants and can screen a variety of material including compost, biomass, soil, gravel and waste.



TTS 518

Quick & Easy Set Up, No Tooling Required



The TTS 518 features an intuitive control system and 'push to start' buttons allowing the operator to effortlessly configure the machine to suit the required application. The intelligent feed control system continually monitors the machine adjusting the feeder speed to optimise screening performance and throughput. Being driven at the head, the feeder provides an excellent and continuous feed rate, reducing slippage in difficult applications. The feeder has also been designed as a slide out cassette which allows for easy maintenance and quick and simple belt changing. The clear tunnel area underneath the feeder prevents material build up and allows any material in this area to drop directly onto the ground.

Providing a total screening area of 23m² the TTS 518 is fitted with a 1.8m x 4.7m horizontal drum with spiral design. With double-sided drum access via 180 degrees opening side doors, maintenance and

drum changes can be carried out with ease. The TTS 518 has been designed to accept a number of other trommel manufacturers' drums, enabling it to integrate seamlessly into an operators existing fleet.

The TTS 518 is fully equipped with the latest Stage V engine requirements and has been designed to provide excellent fuel efficiency and low operating costs. The swing out engine cradle provides unprecedented service access enabling daily checks and maintenance to be carried out safely from ground level. All the conveyors are fully modular allowing each to be removed independently, with the fines and oversize also lowering to ground level for maintenance.

An adaptable trommel suitable for all market conditions, the TTS 518 is available as a full EU Whole Vehicle Type Approved wheeled unit or as a tracked unit where increased site mobility is required.

KEY FEATURES



Double-sided unrestricted drum access via two large swing-out doors, enabling easy maintenance and cleaning



Easily replaceable 4.7m (15'5") x 1.8m (5'1") punch plate drum which is compatible with the Doppstadt SM 518



Advanced feeder control system offering efficient operation and maximised output

Fully sealed feeder reducing spillage

The feeder belt is driven at the head drum via a powerful recessed gearbox and hydraulic motor reducing belt spillage



Swing out engine cradle providing operators with unrivalled maintenance access



User-friendly push button control system with Automatic Start / Stop function and Automatic Feeder Mode



All conveyors are built to an individual modular design reducing maintenance downtime

Fines and oversize conveyors lower to ground level hydraulically

Advanced sealing and feedboot design ensure smooth material transfer and stockpiling



Low engine speed for reduced noise and fuel consumption

TECHNICAL DATA



TRANSPORT DIMENSIONS (TRACKED)

| |
|---------------------------------------|
| Width: 2.9m (9' 5") |
| Height: 3.4m (11' 2") |
| Length: 9.8m (32' 2") |
| Weight: 18,000kg (40,000 lbs) approx. |

TRANSPORT DIMENSIONS (WHEELED)

| |
|---------------------------------------|
| Width: 2.55m (8' 4") |
| Height: 4.0m (13' 2") |
| Length: 11.3m (37' 1") |
| Weight: 17,200kg (37,480 lbs) approx. |

WORKING DIMENSIONS (TRACKED)

| |
|---------------------------|
| Width: 7.1m (23' 3") |
| Length: 13.3m (43' 8") |
| Feed Height: 2.8m (9' 2") |

WORKING DIMENSIONS (WHEELED)

| |
|----------------------------|
| Width: 7.4m (24' 3") |
| Length: 14.7m (48' 3") |
| Feed Height: 2.85m (9' 4") |

HOPPER AND BELT FEEDER

| |
|--|
| 5.0m ³ (6.5yd ³) capacity |
| 4.0m (13' 1") feeder length |
| 1050mm (41") 3 ply plain belt, 5 + 1.5 covers |
| Head drum drive system with compact gearbox solution |
| Slide out feeder cassette for maintenance |
| Hopper extensions |

DRUM

| |
|--|
| 4.7m (15' 5") Length |
| 1.8m (5' 1") Diameter |
| Single welded chain and drive sprocket |
| Compatible with Doppstadt SM 518 |
| Horizontal drum |
| Spiral design for material transfer |
| Easily removable for maintenance and application flexibility |
| Active running pressure monitoring system to adjust feed rate |
| Full drum clean brush; Tracked Machine - ø500mm, 3.5mm bristle, hydraulic folding Wheeled Machine - ø600mm, 3.5mm bristle, hydraulic folding |
| 1 piece drum door opening both sides |

POWERUNIT & CONTROL

| |
|--|
| CAT C2.2 55kW (74HP) Stage V / Tier 4 Final (Dual Certified) |
| CAT C4.4 62kW (83HP) Stage IIIA (Option) |
| Hydrostatic drum and feeder drive |
| Fuel tank capacity 320L (70 gal) |
| Swing out engine for maintenance |
| User friendly control system |

COLLECTION CONVEYOR

| |
|---|
| 1400mm (55") 3 ply plain belt, 4 + 2 covers |
| Cassette style - removable for maintenance |
| Head drum ø184mm |
| Rear deflector plate to adjust loading point onto transfer conveyor |

TRANSFER CONVEYOR

| |
|--|
| 600mm (24") 3 ply plain belt, 4 + 2 covers |
| Cassette style - removable for maintenance |
| Head drum ø184mm |

FINES DISCHARGE CONVEYOR

| |
|---|
| 800mm (31") 3 ply chevron belt, 3 + 1.5 covers |
| Discharge Height; Tracked Machine - Max 3.2m (10' 6") Wheeled Machine - Max 3.1m (10' 5") |
| Discharge LHS |
| Head drum ø184mm |

OVERSIZE CONVEYOR

| |
|---|
| 1000mm (39") 3 ply chevron belt, 3 + 1.5 covers |
| Discharge Height: Max 3.4m (11' 2") |
| Head drum ø184mm |
| Variable speed control |

TRACKED UNDERCARRIAGE

| |
|----------------------------------|
| Bolt on tracks |
| 400mm (16") shoe |
| 3500mm (11' 5") sprocket centres |

BOGIE

| |
|--------------------------------------|
| 2 axles, 8 studs |
| Max speed 80km/h (50mph) |
| ABS |
| Suspension type leaf spring |
| Super single c/w 385/55 R22 tyres |
| Pintle hook design |
| European Whole Vehicle Type Approval |

OPTIONS

| |
|--|
| Remote control |
| Reversing engine fan |
| Remote control tipping grid |
| CAT C4.4 62kW (83HP) Stage IIIA |
| Auxiliary oil supply connection (1) 17 lpm |
| Magnetic head drums |
| Punch plate or mesh drum |
| Telematics |
| Different colour |

CUSTOMER SUPPORT

With you every step of the way

We work with our customers to understand their equipment needs to select the product most suited to their business requirements. Terex Ecotec customer support incorporates a range of services including parts, technical support, warranty and financial services.



The Right Part at the Right Time

Terex Ecotec has a full inventory of genuine Terex parts through our global support locations and dealer network. We are committed to getting the right parts delivered at the right time. Using genuine Terex parts ensures optimum performance and reliability.



Warranty Delivering on our promise so you can keep yours

Terex Ecotec warrants its new equipment to be free of defects in material or manufacture for a specified period from the date the equipment is first used.



Expert technical support

Terex Ecotec provide highly qualified service personnel to ensure that we have the ability to provide technical support when our customers need it. This support is provided in conjunction with our dealer network. We ensure our customers are supported throughout the lifecycle of their machine.



Terex Financial Services Financing that works for you

Terex Ecotec are able to offer finance solutions to our customers. Our team of finance professionals know the importance of working closely with customers to understand their unique business challenges as well as their financial goals and requirements. Obtaining financing is often a time-consuming task, so we work hard to provide a reliable, flexible and responsive service.



Delivering On Our Promises,
So You Can Keep Yours.

Specification subject to change without notice



CAMPSIE

20 Keans Hill Road
Campsie Industrial Estate
BT47 3YT, Northern Ireland

Tel: +44 (0) 28 7122 3110

DUNGANNON

32 Farlough Road
Dungannon, Co. Tyrone
BT71 4DT, Northern Ireland

Tel: +44 (0) 28 8771 8500

Dealer Stamp:

NEWTON

22 Whittier Street
Newton, New Hampshire
USA, 03858

Tel: +1 (603) 382 0556

February 2021. The material in this document is for information only and is subject to change without notice. Terex Ecotec assumes no liability resulting from errors or omissions in this document, or from the use of the information contained herein. Due to continual product development we reserve the right to change specifications without notice. Any product performance figures given in this brochure are for guidance purposes only. This information does not constitute an expressed or implied warranty or guarantee, but shows text examples provided. These results will vary depending on product settings, screen media and sizes, feed source and types of material being processed. Photographs are for illustrative purposes only. Some or all of the machines in the illustrations may be fitted with optional extra. Products and services listed may be trademarks, service marks or trade names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights reserved. Terex is a registered trademark of Terex Corporation in the USA and many other countries © 2021 Terex Corporation.