

# T655III TRENCHER



**TEC® PLUS ELECTRONIC CONTROL SYSTEM.** The operating system communicates with multiple control modules located throughout the machine for real-time performance data and advanced troubleshooting capabilities.



**ROTARY POWER TRENCHER DRIVE MOTOR.** A rotary power trencher drive motor and splined headshaft produce a lower speed and higher torque which provide superior ground penetration and low chain wear for better production results.



**OPTIONAL BUCKET WHEEL ATTACHMENT.** Designed for the installation of small-diameter cross country pipelines in soft digging conditions. The attachment has the ability to cut 22", 24" or 28" (55.9 cm, 61 cm or 71.1 cm) wide trenches.



**VANTAGE TRACK.** Relax in the confidence that your investment is protected and your entire closed loop hydrostatic system is covered with a 3-year/3000-hour Extended Care Service program.



**CABLE LAYER ATTACHMENT.** An optional cable laying attachment allows the T655III to directly install cables and conduit directly behind the cut.



**OPTIONAL AUTO TILT TRACK.** An oscillating track frame allows the track to follow the ground's contour providing a vertical trench on slopes up to 10 degrees.

# T655III TRENCHER

## GENERAL DIMENSIONS

Approach angle: 16°

Height: 9.9' (3 m)

Length range (tractor plus trencher attachment): 23.6' – 28.5'  
(7.2 m – 8.7 m)

Weight range (tractor plus trencher attachment): 45,000 lb –  
56,000 lb (20,411.7 kg – 25,401.2 kg)

Width range: 8.1' (2.5 m)

## ENGINE [TIER 3 AND TIER 4I (STAGE IIIB) AVAILABLE]

Make and model: John Deere 6090HF

Gross horsepower: 250 hp (186 kW)

Engine rpm: 2200

Fuel consumption @ full load: 12.3 gph (46.6 L/hr)

## TRACKS

Ground pressure: 7.8 psi – 9.7 psi (31 kPa – 66.2 kPa)

Tilt track with Auto Level available: Yes, max angle 10.5°

Track length: 8.8' (2.7 m)

Track pad type: Single, double or triple grouser

Track pad width: 20" (50.8 cm)

Track size: D4

Travel speed max (low and high): 118 fpm - 228 fpm (36 m/min  
- 69.5 m/min)

Service brakes: Hydrostatic

## CONVEYOR

Belt width: 24" (61 cm)

Max conveyor belt speed: 758 fpm (231 m/min)

Conveyor belt style: Cleated

Conveyor length: 8' or 12' (2.4 m or 3.7 m)

Conveyor shift available: Yes

Conveyor shift distance: 12" or 48" (30.5 cm or 121.9 cm)

Conveyor style: Flat or curved

Discharge direction: Right or left

Discharge height: 48" or 56" (121.9 cm or 142.2)

## CAB

Air conditioner/heater: Yes, with cab option only

Air suspension seat: No

AM/FM stereo with weather band: Yes, with cab option only

Elevating: No

Pressurized/Filtered air: Yes, with cab option only

ROPS and Level II FOPS: Standard (platform or cab)

## TRENCHER ATTACHMENT

Boom depth options: 4', 5', 6' or 8' (1.2 m, 1.5 m, 1.8 m or 2.4 m)

Boom top rollers: Optional

Chain speed range: 617 fpm – 881 fpm (188 m/min – 268.5 m/min)

Cutting width range: 10.5" – 26" (26.7 cm – 66 cm)

End idler diameter: 20" or 40" (50.8 cm or 101.6 cm)

## BUCKET WHEEL ATTACHMENT

Weight (tractor plus attachment): 53,500 lb (24,267.2 kg)

Max cutting depth: 6.7' (2 m)

Cutting width: 22", 26" or 28" (55.9 cm, 66 cm or 71.1 cm)

Cutter tip speed (high range): 758 ft/min (231 m/min)

## OPTIONS

Loadout conveyor

Tile layer

Cable layer

Bucket wheel

Remote control

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