

CT820 COMPOST TURNER



AGGRESSIVE FLAILS. The aggressive Vermeer flails ensure aeration and mixing. When properly aerated, the composting cycle is considerably shortened and site throughput is increased.



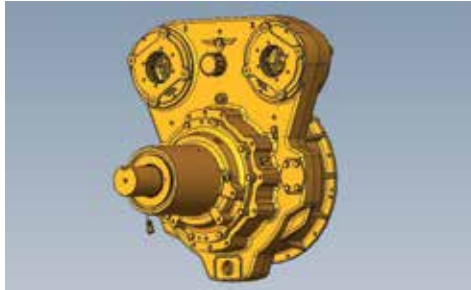
JOBSITE EFFICIENCY. Advanced Control System (ACS) controller monitors engine rpm and slows or stops the ground drive when it reaches the programmable set point to reduce stalling the turner in the windrow.



RELIABLE COMPONENTS. The poly-synchronous belt drum drive has proven to be a reliable system requiring little maintenance and offering adjustable shafts.



PRECISE CONTROL. Equipped with independently controlled lift cylinders for thorough aeration of the compost pile.



EXTENDED CLUTCH LIFE. Engine power is transferred through the hydraulically actuated PT Tech clutch. To help extend clutch life, control software prevents the operator from engaging or disengaging the drum drive at full engine rpm.



EASE OF MAINTENANCE. All grease points are accessible from ground level. Hinged, lockable doors on both sides of the engine provide spacious access for maintenance.

CT820 COMPOST TURNER

GENERAL DIMENSIONS

Max transport width: 10.5' (3.2 m)

Max transport length: 30' (76.2 cm)

Max transport height: 14.5' (4.4 m)

Max operational width: 30' (9.1 m)

Max operational length: 16' (4.9 m)

Max operational height: 20' (6.1 m)

Weight: 52,000 lb (23,586.8 kg)

Capacity: 6300 tons/hr (5715 metric tons/hr)

ENGINE

Model: Caterpillar C15 Tier III

Max gross horsepower: 540 hp (403 kW)

Fuel tank capacity: 225 gal (851.7 L)

HYDRAULIC SYSTEM

Tank capacity: 61 gal (230.9 L)

Filtration method: Return filter and suction strainer

FRAME

Mainframe: Constructed of 6" x 6" x .25" (15.2 cm x 15.2 cm x .6 cm), 6" x 4" x .375" (15.2 cm x 10.2 cm x 1 cm) and 8" x 6" x .5" (20.3 cm x 15.2 cm x 1.3 cm) steel tube with continuous welding

OPERATING HEIGHT ADJUSTMENT

Operating height adjustment: The machine includes hydraulic cylinders that independently adjust each front wheel and jointly adjust the rear wheels to raise the frame from 0 to 18" (0 to 45.7 cm) above ground

GROUND DRIVE

Ground drive type: Independent 4-wheel drive system

Tire size: 54 L x 37.00-25, 12-ply floatation deep-tread tires

Max speed: 4.4 mph (7.1 km/h)

PROCESSING TUNNEL

Windrow width: 20' (6.1 m)

Windrow height: 8' (2.4 m)

Tunnel lining: .25" (.6 cm) steel plate

Rubber skirting curtains (thickness): .4" (1 cm)

DRUM

Drum diameter (including flails): 54" (137.2 cm)

Number of flails: 114

Flail dimensions: .75" x 4" x 11.625" (1.9 cm x 10.2 cm x 29.5 cm) and weighs 7.8 lb (3.5 kg) each

CAB

Width: 64" (162.6 cm)

Retraction: 13" (33 cm)

NOTES:

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