



LIUGONG CRAWLER DOZER

TD-25M

ISLAND-READY HEAVY
EQUIPMENT SOLUTIONS



MICRONESIA
CONTRACTORS SOLUTIONS



MCSHEAVYEQUIPMENT.COM



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17-3311 CORSAIR RD., TIYAN, GU 96931

SPECIFICATIONS

ENGINE	TD-25M (TIER 4 FINAL)
Make and model	Cummins X15
Emissions standard	Tier 4 Final
Displacement	912 in ³ (15 l)
Bore and stroke	5.39 x 6.65 in (137 x 169 mm)
Gross horsepower, SAE J1995	375 hp (280 kW)
Net horsepower, SAE J1349/ISO 9249 at the max. speed of hydraulic fan	370 hp (277 kW) 330 hp (246 kW)
Rated rpm	2000
Max. torque	1600 lb-ft (2169 Nm) @ 1200 rpm
Air cleaner	Cummins Filtration Direct Flow™, dry type, with dash-mounted electronic service indicator and turbo air pre-cleaner
Cold-starting aid	Ether start
Slope operation, max. angle	45°

COOLING	TD-25M
Type	Suction-type variable-speed fan, hydraulically driven with perforated engine side sheets and heavy duty louvered front grill
Engine coolant rating	-34°f (-37°C)

OPERATOR STATION	TD-25M
ROPS	ROPS (ISO 3471 - 2008)
FOPS	FOPS (ISO 3449 - 2005)



SPECIFICATIONS

UNDERCARRIAGE	TD-25M (TIER 4 FINAL)
Type	Rigid
Suspension	Oscillation-type with equalizer bar and forward mounted pivot shafts
Tracks	Large deep-heat-treated, sealed and lubricated track links and through-hardened, sealed and lubricated rollers for maximum wear resistance
Track gauge	7 ft (2140 mm)
Track shoe width	22 in (560 mm)
Chain	Sealed and lubricated
Shoes, each side	39
Track rollers, each side	7
Track length on ground	10 ft 9 in (3270 mm)
Ground contact area	5673 in ² (3660 cm ²)
Ground pressure	14.3 psi (98.6 kPa)
Track pitch	9.86 in (250 mm)
Sprocket sements, each side	8

HYDRAULICS	TD-25M (TIER 4 FINAL)
Type	Close-center load sensing hydraulic system with variable-displacement multi-piston double pump
Pump displacement	50 + 37 gpm (190 + 140 l/min)
System relief pressure	Blade lift/tilt & ripper 18.0 MPa (2,610 psi)
Control	Blade electric control valve; single joystick lever with blade automatic control and pitch/dual tilt control buttons



SPECIFICATIONS

POWERTRAIN

TD-25M (TIER 4 FINAL)

Transmission		Single stage 415 mm (16 in) torque converter with a 2.45:1 stall ratio drives to transmission through a double universal joint. Modular, countershaft type power shift transmission, electro-hydraulic control. Preset travel speed and auto-downshift.	
Steering		Exclusive 2-speed geared steering module provides gradual turns while maintaining full power to both tracks plus conventional clutch-brake performance for tight or pivot turns. Coupled to 3-speed transmission, the 2-speed steering provides 6 speeds forward and 6 reverse. The left hand joystick controls transmission and steering drive for up and down shifting, steering, Hi/Lo selection and LH/RH gradual turn.	
Final drives		Double-reduction planetary type final drives mounted independently of track frames and dozer push arms for isolation from shock loads.	
Total ratio		25.5 to 1	
Maximum drawbar pull		178,498 lbf (794 kN)	
Travel speeds		Forward	Reverse
1st	Low	1.9 mph (3.0 km/h)	2.3 mph (3.7 km/h)
	High	2.5 mph (4.0 km/h)	3.0 mph (4.8 km/h)
2nd	Low	3.2 mph (5.1 km/h)	3.8 mph (6.1 km/h)
	High	4.1 mph (6.6 km/h)	4.9 mph (7.9 km/h)
3rd	Low	5.0 mph (8.0 km/h)	6.0 mph (9.6 km/h)
	High	6.4 mph (10.3 km/h)	7.6 mph (12.3 km/h)
Brakes service		Spring applied hydraulically released multi-disc wet brakes. Foot pedal linkage control.	
Brakes parking		The steering brakes also act as service and parking brakes. Service brakes are locked automatically when the transmission safety lever is actuated or when the engine is cut off.	

