



LIUGONG CRAWLER DOZER

TD-15M

ISLAND-READY HEAVY
EQUIPMENT SOLUTIONS



MICRONESIA
CONTRACTORS SOLUTIONS



MCSHEAVYEQUIPMENT.COM



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SPECIFICATIONS

ENGINE	TD-15M (TIER 4 FINAL)
Make and model	Cummins B 6.7
Emissions standard	Tier 4 Final
Displacement	409 in ³ (6.7l)
Bore and stroke	4.21 x 4.48 in (107 x 124 mm)
Gross horsepower, SAE J1995	232 hp (173 kW)
Net horsepower, SAE J1349/ISO 9249	213 hp (159 kW)
Rated rpm	2000
Max. torque	700 lb-ft (949 Nm) @ 1500 rpm
Air cleaner	Cummins Filtration Direct Flow™, dry type, exhaust aspiration, with dash-mounted electronic service indicator
Cold-starting aid	intake- mounted air -inlet grid heater
Slope operation, max. angle	45°

COOLING	TD-15M (TIER 4 FINAL)
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-15M
ROPS	ROPS (ISO 3471 - 2008)
FOPS	FOPS (ISO 3449 - 2005)



SPECIFICATIONS

UNDERCARRIAGE	TD-15M STD	TD-15M LT	TD-15M WT	TD-15M LGP
Suspension	Oscillation-type with equalizer bar & forward mounted pivot shafts	Oscillation-type with equalizer bar & forward mounted pivot shafts	Oscillation-type with equalizer bar & forward mounted pivot shafts	Oscillation-type with equalizer bar & 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	Large deep-heat treated, sealed and lubricated track links and through hardened, sealed and lubricated rollers for maximum wear resistance	Large deep-heat treated, sealed and lubricated track links and through hardened, sealed and lubricated rollers for maximum wear resistance	Large deep-heat treated, sealed and lubricated track links and through hardened, sealed and lubricated rollers for maximum wear resistance
Track gauge	76 in (1930 mm)	76 in (1930 mm)	80 in (2030 mm)	85 in (2160 mm)
Track shoe width	20 in (508 mm)	20 in (508 mm)	30 in (762 mm)	37 in (940 mm)
Chain	Sealed and lubricated	Sealed and lubricated	Sealed and lubricated	Sealed and lubricated
Shoes, each side	39	43	43	43
Track rollers, each side	6	8	8	8
Track length on ground	104 in (2640 mm)	120 in (3050 mm)	120 in (3050 mm)	120 in (3050 mm)
Ground contact area	4160 in ² (27000 cm ²)	4800 in ² (31000 cm ²)	7200 in ² (46000 cm ²)	8880 in ² (57000 cm ²)
Ground pressure Stage IIIA	9.4 psi (65.1 kPa)	8.4 psi (57.8 kPa)	5.7 psi (39.6 kPa)	4.7 psi (32.4 kPa)
Ground pressure Stage V	9.5 psi (65.7 kPa)	8.5 psi (58.3 kPa)	5.8 psi (40.0 kPa)	4.7 psi (32.7 kPa)
Track pitch	8 in (203.1 mm)	8 in (203.1 mm)	8 in (203.1 mm)	8 in (203.1 mm)
Sprocket sements, each side	1	1	1	1

HYDRAULICS	TD-15M (TIER 4 FINAL)
Type	Closed center load sensing hydraulic system with variable-displacement multi-piston pump
Pump flow	38.8 gpm (147 l/min)
System relief pressure	2466 psi (17 MPa)
Control	Single joystick lever
Cylinders, bore and stroke	
lift (STD)	3.94 x 48.6 in (100 x 1233.5 mm)
lift (LT, WT, LGP)	3.94 x 43.1 in (100 x 1095 mm)
tilt	5.9 x 11.7 in (150 x 297.5 mm)
tilt/pitch	5.1 x 20.5 in (130 x 520 mm)



SPECIFICATIONS

ELECTRICAL

TD-15M (TIER 4 FINAL)

Voltage	24 V
Number of batteries	2
Battery capacity	950 CCA
Alternator rating	110A
Lights	10 total; cab mounted (side: 2 LH & 2 RH and 2 rear), 2 front lift cylinders and 2 rear fuel tank mounted

SERVICEABILITY

TD-15M (TIER 4 FINAL)

Refill capacities	
Fuel tank	110 gal (415 l)
Cooling system	7.1 gal (27 l)
Engine oil	4.9 gal (18.5 l)
Transmission system	40.4 gal (153 l)
Final drive, each side	10.6 gal (40 l)
Hydraulic reservoir	18.5 gal (70 l)
Diesel Exhaust Fluid (DEF) tank	12.2 gal (46 l)



SPECIFICATIONS

POWERTRAIN		TD-15M (TIER 4 FINAL)	
Transmission		Single stage 14.6 in (370 mm) torque converter with a 2.3:1 stall ratio drives to transmission through a double universal joint. Modular, countershaft type power shift transmission, electro-hydraulic control. Preset travel speed and autodownshift.	
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 final drives mounted independently of track frames and dozer push arms for isolation from shock loads.	
Total ratio		12.1 to 1	
Maximum drawbar pull		106.11 lbf (472 kN)	
Travel Speeds		Forward	Reverse
1st	Low	1.7 mph (2.8 km/h)	2.1 mph (3.3 km/h)
	High	2.4 mph (3.8 km/h)	2.8 mph (4.5 km/h)
2nd	Low	3.1 mph (5.0 km/h)	3.7 mph (6.0 km/h)
	High	4.2 mph (6.7 km/h)	5.0 mph (8.0 km/h)
3rd	Low	5.0 mph (8.0 km/h)	5.8 mph (9.3 km/h)
	High	6.5 mph (10.5 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.	

