

MEM

series-2

Road & Highway

Construction

Landfill

Forestry

Foundry

Quarry

TD-15M crawler dozers





TD-15M series-2

EPA Tier 4f / EU Stage V STANDARD, LT, WT, LGP*

ENGINE	
	TD-15M
Make and model	Cummins B6.7
Emissions standard	EPA Tier 4f/EU Stage V
Displacement	6.7 l (409 in3)
Bore and stroke	107 x 124 mm (4.21 x 4.48 in)
Gross horsepower, SAE J1995	232 hp (173 kW)
Net horesepower, SAE J1349/ISO 9249	229 hp (171 kW)
at the max. speed of hydraulic fan	213 hp (159 kW)
Rated rpm	2000
Max. torque	949 Nm (700 lb-ft) @ 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 deg

COOLING	
	TD-15M
Туре	Suction- type variable-speed fan, hydraulically driven with perforated engine side sheets and heavy duty louvered front grill
Engine cooling rating	–37 deg C (–34 deg F)

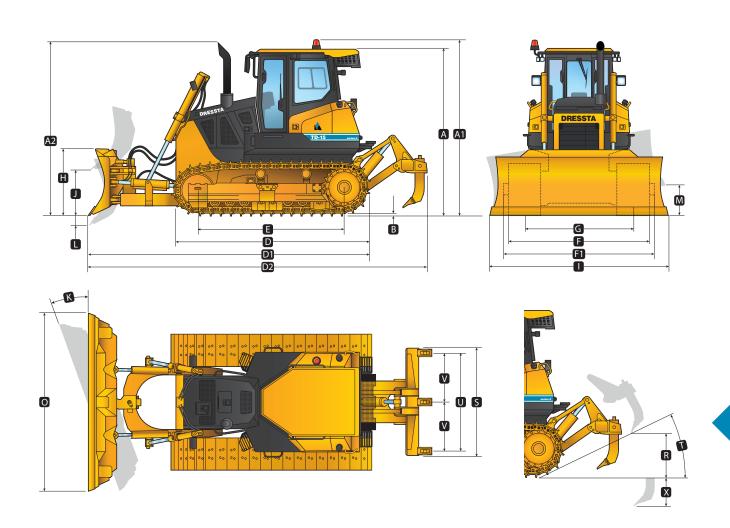
OPERATOR STATION	
	TD-15M
ROPS	ROPS (ISO 3471 - 2008)
FOPS	FOPS (ISO 3449 - 2005)

HYDRAULICS	
	TD-15M
Туре	Closed center load sensing hydrau- lic system with variable-displace- ment multi-piston pump
Pump displacement	147 l/min (38.8 gpm)
System relief pressure	17.0 MPa (2466 psi)
Control	single joystick lever
Cylinders,bore and stroke	
lift (STD)	100 x 1233.5 mm (3.94" x 48.6")
lift (LT,WT,LGP)	100 x 1095 mm (3.94" x 43.1")
tilt	150 x 297.5 mm (5.9" x 11.7")
tilt/pitch	130 x 520 mm (5.1" x 20.5")

ELECTRICAL	
	TD-15M
Voltage	24 V
Number of batteries	2
Battery capacity	950 CCA
Alternator rating	110 A
Lights	10 total; cab mounted (side: 2 LH & 2 RH and 2 rear), 2 front lift cylinders and 2 rear fuel tank mounted

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	TD-15M (TD-15M (STD & LT)		TD-15M WT		TD-15M LGP	
Туре	Semi-U	Angle	Semi-U	6-way	Straight	6-way	
A Overall height - Cab	3450 mm (11 ft 4 in)	3450 mm (11 ft 4 in)	3450 mm (11 ft 4 in)	3450 mm (11 ft 4 in)	3450 mm (11 ft 4 in)	3450 mm (11 ft 4 in)	
A1 Overall height - Beacon	3620 mm (12 ft 11 in)	3620 mm (12 ft 1 1 in)	3620 mm (12 ft 11 in)	3620 mm (12 ft 11 in)	3620 mm (12 ft 11 in)	3620 mm (12 ft 11 in)	
B Grouser height	64 mm (2.52 in)	64 mm (2.52 in)	64 mm (2.52 in)	64 mm (2.52 in)	64 mm (2.52 in)	64 mm (2.52 in)	
C Ground clearance	445 mm (17.5 in)	445 mm (17.5 in)	445 mm (17.5 in)	445 mm (17.5 in)	445 mm (17.5 in)	445 mm (17.5 in)	
D Overall length, base machine	STD 4050 mm (13 ft 3.3 in) LT 4220 mm (13 ft 10 in)	4220 mm (13 ft 10 in)	4220 mm (13 ft 10 in)	4220 mm (13 ft 10 in)	4220 mm (13 ft 10 in)	4220 mm (13 ft 10 in)	
D1 Length with blade	STD 5230 mm (17 ft 2 in) LT 5670 mm (18 ft 7 in)	STD 5390 mm (17 ft 8 in) LT 5830 mm (19 ft 2 in)	5670 (18 ft 7 in)	5870 (19 ft 3 in)	5520 (18 ft 1 in)	5870 (19 ft 3 in)	
D2 Length with blade and 1-shank / 3-shank ripper	STD 6250 mm /6480 mm (20 ft 6 in /21 ft 3 in) LT 6760 mm /6910 mm (22 ft 2 in/22 ft 8 in)	STD 6400 mm /6550 mm (21 ft /21 ft 6 in) LT 6840 mm /6990 mm (22 ft 5 in/22 ft 11 in)	6790 mm / 6940 mm (22 ft 3 in / 22 ft 9 in)	6880 mm / 7030 mm (22 ft 7 in / 23 ft 1 in)			
E Track length on ground	STD 2640 mm (104 in), LT 3050 mm (120 in)	3050 mm (120 in)	3050 mm (120 in)	3050 mm (120 in)	3050 mm (120 in)	3050 mm (120 in)	
F Width over track	2440 mm (96 in)	2440 mm (96 in)	2790 mm (110 in)	2790 mm (110 in)	3100 mm (122 in)	3100 mm (122 in)	
F1 Width over trunnions	2810 mm (110.6 in)	2810 mm (110.6 in)	2910 mm (114.5 in)		3340 mm (131.5 in)		
G Track gauge	1930 mm (76 in)	1930 mm (76 in)	2030 mm (80 in)	2030 mm (80 in)	2160 mm (85 in)	2160 mm (85 in)	



BLADE SPECS						
	TD-15M (STD & LT)		TD-15M WT		TD-15M LGP	
Туре	Semi-U	Angle	Semi-U	6-way	Straight	6-way
SAE capacity	5.7 m³ (7.45 cu yd)	3.8 m³ (5.0 cu yd)	5.95 m³ (7.8 cu yd)	3.8 m³ (5.0 cu yd)	3.6 m³ (4.7 cu yd)	4.0 m³ (5.2 cu yd)
ℍ Blade height	1460 mm (4 ft 10 in)	1120 mm (3 ft 8 in)	1460 mm (4 ft 10 in)	1360 mm (4 ft 7 in)	1100 mm (43 in)	1360 mm (53.5 in)
■ Blade width	3440 mm (11 ft 3 in)	4130 mm (13 ft 7 in)	3590 mm (11 ft 9 in)	3680 mm (12 ft 1 in)	3860 mm (12 ft 8 in)	3830 mm (12 ft 7 in)
J Blade lift height	STD 1104 mm (43.5 in) LT 1102 mm (43.4 in)	STD 1102 mm (43.4 in) LT 1119 mm (44 in)	1102 mm (43.4 in)	1280 mm (50.4 in)	1240 mm (49 in)	1280 mm (50.4 in)
K Blade angle	-	25 deg	-	23.5 deg	-	23.5 deg
L Blade digging depth	463 mm (18.2 in)	STD 552 mm (21.7 in) LT 542 mm (21.3 in)	463 mm (18.2 in)	692 mm (27 in)	455 mm (18 in)	692 mm (27 in)
M Maximum tilt	742 mm (28.2 in)	385 mm (15.2 in)	782 mm (30.8 in)	450 mm (18 in)	698 mm (27.5 in)	466 mm (18.3 in)
N Maximum blade pitch adjustment	9 deg	-	9 deg	8 deg	10 deg	8 deg
Overall width with blade angled	-	3750 mm (12 ft 4 in)	-	STD 3330 mm (10 ft 11 in)	-	3510 mm (11 ft 6 in)

RIPPER		
	TI	D-15M
Туре	Parallelo	ogram ripper
	Single-shank	Multi-shank (3-shank)
R Maximum clearance under tip (raised)	485 mm (19 in)	455 mm (17.9 in)
S Overall beam width	1100 mm (43 in)	2230 mm (88 in)
T Slope angle (full raise)	25 deg	25 deg
U Ripping width	-	2030 mm (6 ft 8 in)
▼ Spacing center to center	-	1015 mm (3 ft 4 in)
X Maximum penetration	713 mm (28 in)	600 mm (24 in)
Penetration force	71.04 kN (15970 lb)	64 kN (14387 lb)
Pryout force	390.9 kN (87874 lb)	268.7 kN (60404 lb)
Shank positions (vertical)	2	2
Weight of ripper incl. shank(s)	1546 kg (3408 lb)	1743 kg (3843 lb)
Weight of shank	197 kg (434 lb)	94.5 kg (208 lb)

SERVICEABILITY	
	TD-15M
Refill capacities	
Fuel tank	415 l (110 US gal)
Cooling system	27 I (7.1 US gal)
Engine oil	18.5 I (4.9 US gal)
Transmission system	153 I (40.4 US gal)
Final drive, each side	40 I (10.6 US gal)
Hydraulic reservoir	70 l (18.5 US gal)
Diesel Exhaust Fluid (DEF) tank	46 I (12.2 US gal)

OPERATING WEIGHTS					
	TD-15M STD	TD-15M LT	TD-15M WT	TD-15M LGP	
Base Weight with Semi-U blade w/tilt, drawbar, standard equipment, Cab ROPS/FOPS, full fuel tank, and 79-kg (175 lb) operator	STD 20710 kg (45 660 lb)	LT 20860 kg (45 990 lb)	21560 kg (47530 lb)	21670 kg (47780 lb)	
Optional components					
Ripper					
Single-shank type	+ 1605 kg (3538 lb)	+ 1605 kg (3538 lb)	+ 1605 kg (3538 lb)		
3-shank type	+ 1743 kg (3843 lb)	+ 1743 kg (3843 lb)	+ 1743 kg (3843 lb)		
Track shoes					
508 mm (20 in)	-	-	-877 kg (1933 lb)		
560 mm (22 in)	+ 125 kg (276 lb)	+ 138kg (304 lb)	-740 kg (1631 lb)		
610 mm (24 in)	+ 265 kg (584 lb)	+ 292 kg (643 lb)	-585 kg (1290 lb)		
660 mm (26 in)	+ 406 kg (895 lb)	+ 450 kg (985 lb)	-430 kg (948 lb)	-1100 kg (2425 lb)	

UNDERCARRIAGE				
	TD-15M STD	TD-15M LT	TD-15M WT	TD-15M LGP
Suspension	Oscillation-type with equalizer bar and forward mounted pivot shafts	Oscillation-type with equalizer bar and forward mounted pivot shafts	Oscillation-type with equalizer bar and forward mounted pivot shafts	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	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	1930 mm (76 in)	1930 mm (76 in)	2030 mm (80 in)	2160 mm (85 in)
Track shoe width	508 mm (20 in)	508 mm (20 in)	762 mm (30 in)	940 mm (37 in)
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	2640 mm (104 in)	3050 mm (120 in)	3050 mm (120 in)	3050 mm (120 in)
Ground contact area	27000 cm ² (4160 in ²)	31000 cm ² (4800 in ²)	46000 cm² (7200 in²)	57000 cm ² (8880 in ²)
Ground pressure	65.7 kPa (9.5 psi)	58.3 kPa (8.5 psi)	40.0 kPa (5.8 psi)	32.7 kPa (4.7 psi)
Track pitch	203.1 mm (8 in)			
Sprocket sements, each side	1	1	1	1

POWERTRAIN				
		TD)-15M	
Transmission		Single stage 370 mm (14.6 in) 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 auto-downshift		
Steering Final drives		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. Double-reduction final drives mounted independently of track		
		frames and dozer push arms for isolation from shock loads		
Total ratio		12.1 to 1		
Travel speeds				
Gear	Range	Forward	Reverse	
		km/h (mph)	km/h (mph)	
1st	Low	2.8 (1.7)	3.3 (2.1)	
	High	3.8 (2.4)	4.5 (2.8)	
2nd	Low	5.0 (3.1)	6.0 (3.7)	
	High	6.7 (4.2)	8.0 (5.0)	
3rd	Low	8.0 (5.0)	9.3 (5.8)	
	High	10.5 (6.5)	12.3 (7.6)	

Maximum drawbar pull	472 kN (106,110	472 kN (106,110 lbf)	
Drawbar Pull - Speed 1	kN (lbf)	472 (106,110) - 1st Low	
Drawbar Pull - Speed 1	'000 kgf ('000 lbf)	48.13 (106.11) 1st Low	
Drawbar Pull - Speed 2	kN (lbf)	354 (79,582) - 1st High	
Drawbar Pull - Speed 2	'000 kgf ('000 lbf)	36.10 (79.58) - 1st High	
Drawbar Pull - Speed 3	kN (lbf)	262 (58,900) - 2nd Low	
Drawbar Pull - Speed 3	'000 kgf ('000 lbf)	26.72 (58.9) - 2nd Low	
Drawbar Pull - Speed 4	kN (lbf)	194 (43,613) - 2nd High	
Drawbar Pull - Speed 4	'000 kgf ('000 lbf)	19.78 (43.61) - 2nd High	
Drawbar Pull - Speed 5	kN (lbf)	163 (36,644) - 3rd Low	
Drawbar Pull - Speed 5	'000 kgf ('000 lbf)	116.62 (36.64) 3rd Low	
Drawbar Pull - Speed 6	kN (lbf)	120 (26,977) - 3rd High	
Drawbar Pull - Speed 6	'000 kgf ('000 lbf)	12.24 (26.98) - 3rd High	
Brakes			
Service	released multi-dis	Spring applied hydraulically released multi-disc wet brakes. Foot pedal linkage control	
Parking	and parking brake are locked automa transmission safet	The steering brakes also act as service and parking brakes. Service brakes are locked automatically when the transmission safety lever is actuated when the engine is cut off.	

STANDARD EQUIPMENT TD-15M

ENGINE

Engine, Cummins B6.7, EPA Tier 4f/EU Stage V, emission certified, turbocharged, High Pressure Common Rail (HPCR), Singel Module™ DPF/SCR EGR-free, Electronic Controls (ECM), 229 hp (171 kW) net

Air cleaner, Cummins Filtration Direct Flow™, dry type with precleaner, dust ejector system, exhaust aspiration and electronic service indicator

Antifreeze, -34°F (-37°C)

Brakes, foot, spring applied, hydraulically released

Cooling module; includes radiator, transmission oil cooler, charge air cooler (CAC); isolation mounted

Coolant filter conditioner

Decelerator - right foot pedal and brake - center foot pedal

Emergency brake release system

Exhaust pipe extension with elbow

Fan, hydraulically driven suction

Filters, engine oil, full flow and by-pass with replaceable "spin-on" elements

Water separator, fuel system

DRIVETRAIN

Filters, power train, equipment hydraulics, "spin-on" micro glass type Steering, planetary type, 2 speed, left hand single lever control (joystick) Torque converter, single stage

Transmission, power shift, 3 speeds forward, 3 reverse, combined with 2 speed steering provides 6 speeds forward, 6 reverse, preset travel speed selection and auto-downshift

OPERATOR'S ENVIRONMENT

Air conditioner/heater/pressurizer/defroster, behind roof mounted

AM/FM radio with Bluetooth® and USB socket

Arm rests

Cab, ROPS/FOPS integrated, sound suppression, 4 wipers w/washers, inside mirror, dome light, tinted safety glass, 2 sliding side windows, rear glass heated, air recirculation system (approved according to ROPS - EN ISO 3471 and FOPS - EN ISO 3449)

Fire extinguisher

First Aid Kit (DIN13164)

Mirrors, 2 pcs, exterior

Seat, air suspension type, fabric cover, adjustable, high back, straight fixed

Seat belt (EN ISO 6683) - 3" wide, retractable

Sun visor for front cab window

INSTRUMENTATION

Electronic Monitoring System, LCD display:

Normal and diagnostic operating modes for engine and drive train, hour meter, gear, range

Gauges: voltmeter (battery charge), drive train oil temperature, fuel level, coolant temperature, tachometer (engine rpm), AdBlue® tank level

Engine and drive train diagnostics program indicator lights Engine intake air heating (grid heater) indicator light

Warning lights: engine ECM status, high drive train oil temperature, low coolant level, low engine oil pressure, high coolant temperature, low fuel level, high exhaust system temperature, AdBlue® tank low level, battery charge level, low transmission/clutch oil pressure

Warning lights - filters: air cleaner filter, exhaust system (SCR) filter, fan drive system filter, hydraulic oil filters, drive train pressure filter

Audible alarm for low coolant level, low engine oil pressure, high coolant temperature

ELECTRICAL

Alarm, back-up, white noise

Alternator 110 A

Dual batteries 12 V, 950 CCA, cold start, maintenance free

Horn, electric

Lights on cab, 4 cab side mounted - 2 RH & 2 LH; 2 rear, LED

Lights with guards, LED, 2 front - lift cylinders mounted, 2 rear - fuel tank mounted

Receptacle, starting/charging plug

Starting, 24 V

Starting aid - air grid heater

GUARDS

Crankcase, hinged, with front pull hook, transmission, fan, radiator, sprocket rock and dirt deflector

Engine hood, solid, sloped

Engine side doors, hinged, perforated type

Final drive seal guard

Radiator guard door, louvered, hinged

UNDERCARRIAGE (STD)

Track adjusters, hydraulic

Track chain, sealed and lubricated (LTS) with split master link, 39 links Track chain end guides, integral

Track frame, 6 roller, 1930 mm (76") gauge, oscillating type, lifespan lubricated rollers and idlers

Track shoes, 508 mm (20") severe service

UNDERCARRIAGE (LT)

Track adjusters, hydraulic

Track chain, sealed and lubricated (LTS) with split master link, 43 links

Track chain center guides

Track chain end guides, integral

Track frame, 8 roller, 1930 mm (76") gauge, oscillating type, lifespan lubricated rollers and idlers

Track shoes, 508 mm (20") severe service

UNDERCARRIAGE (WT)

Track adjusters, hydraulic

Track chain, sealed and lubricated (LTS) with split master link, 43 links

Track chain center guides

Track chain end guides, integral

Track frame, 8 roller, 2030 mm (80") gauge, oscillating type, lifespan lubricated rollers and idlers

Track shoes, 762 mm (30") severe service

UNDERCARRIAGE (LGP)

Track adjusters, hydraulic

Track chain, sealed and lubricated (LTS) with split master link, 43 links

Track chain center guides

Track chain end guides, integral

Track frame, 8 roller, 2160 mm (85") gauge, oscillating type, lifespan lubricated rollers and idlers

Track shoes, 940 mm (37") extreme clipped corner with bolt holes for 3rd rail track

HYDRAULIC CONTROLS

Load sensing hydraulic system with variable-displacement multi-piston pump 3-spool valve, 1 lever with pilot operated blade control (lift/tilt), ready for ripper

Trimble Basic

OTHER STANDARD EQUIPMENT

Diagnostic centers for power train and equipment hydraulic pressures Ecological drains for engine oil, radiator coolant and hydraulic oil Hitch, retrieval

Manuals, parts and operator's

Maintenance tool kit (includes grease gun)

Rear access platform

Tools compartment

Vandalism protection, one key for all locks

OPTIONAL EQUIPMENT TD-15M

BLADE EQUIPMENT (STD & LT)

Semi-U, 5.70 m³ (7.45 yd³), complete with all blade components, includes hydraulic tilt and manual pitch or hydraulic tilt/pitch

Trimble Basic - brackets for masts on blade; no masts

Angle (manual angle), 3.8 m³ (5.0 yd³), complete with all blade components, includes heavy duty struts, with or without hydraulic tilt

Trimble Basic - brackets for masts on blade; no masts

BLADE EQUIPMENT (WT)

Semi-U, 5.95 m³ (7.78 yd³), complete with all blade components, includes hydraulic tilt and manual pitch or hydraulic tilt/pitch

Trimble Basic - brackets for masts on blade; no masts

Angle (6-way), 3.8 m³(5.0 yd³), full hydraulic, inside arm with hydraulic tilt and angle and manual pitch, complete with all blade components and steps on track frame

Trimble Basic - brackets for masts on blade; no masts

BLADE EQUIPMENT (LGP)

Straight, 3.6 m³ (4.7 yd³), complete with all blade components, includes hydraulic tilt and manual pitch

Trimble Basic - brackets for masts on blade; no masts

Angle (6-way), 4.0 m³ (5.2 yd³), full hydraulic, inside arm with hydraulic tilt and angle and manual pitch, complete with all blade components and steps on track frame

Trimble Basic - brackets for masts on blade; no masts

REAR MOUNTED EQUIPMENT (STD & LT)(WT)

Fixed drawbar, replaces the standard retrieval hitch

Ripper, multi-shank beam, with three shanks, partially mounted

Ripper, single-shank beam, with shank, partially mounted

REAR MOUNTED EQUIPMENT (LGP)

Drawbar with counterweight

TRACK SHOES (STD)

560 mm (22") shoes, severe service

610 mm (24") shoes, severe service

660 mm (26") shoes, severe service

TRACK SHOES (WT)

508 mm (20") shoes, square corner, severe service

560 mm (22") shoes, square corner, severe service

610 mm (24") shoes, square corner, severe service

660 mm (26") shoes, square corner, severe service

TRACK SHOES (LT)

560 mm (22") shoes, square corner, severe service

610 mm (24") shoes, square corner, severe service

660 mm (26") shoes, square corner, severe service

TRACK SHOES (LGP)

660 mm (26") shoes, square corner, severe service

Std 940 mm (37") shoes with third rail track system (adds half chain assembly to outer ends of 37" shoes)

OPERATOR'S ENVIRONMENT

For use with cab:

- Air recirculation system with MSHA filters, severe service
- · Heated mirrors, 2 pcs, exterior
- Seat, heated, air suspension type, fabric cover, adjustable, high back (includes empty seat sensor and belt sensor)
- Sun visors (2), additional, for side door windows

ELECTRICAL

Additional cab lights, 2 front, LED

Additional tractor lights, 2 front, lift cylinder mounted, LED

Additional lights, 2 rear, under A/C mounted, LED

GUARDS

Electrical winch for engine crankcase guard

Engine hood, perforated

Final drive rock guard

Track roller guard, full length

Transmission and engine crankcase guards, severe service crankcase guard with front pull hook

Tank guard, bolted (0.5" plate protects fuel tank and hydraulic reservoir)

SCREENS

Sweeps, forestry, front and rear, for standard cab

Include guard for fuel tank and hydraulic reservoir

Screens for cab windows (front, side, doors, no rear) hinged, black painted

Screen for rear cab window hinged, black painted

Screens for tractor lights (2 front, 2 rear)

Screens for additional 2 front cab lights

ADDITIONAL OPTIONS

Air precleaner, turbine type (Enginaire), (sandy & dusty operating conditions)

Centralized Lubricating System (For machine without or with ripper)

Fast fill - fuel tank

Fan, reversible (sandy & dusty operating conditions)

Inspection lamp, 12 V, portable, with cable

Sound suppression package, for use with std solid hood

or with perforated hood

Starting/charging receptacle plug assembly

1000 h maintenance package (filters)

2000 h maintenance package (filters)

EXPORT PACKING

Export packing, drive on / drive off, machine on the trailer

Export packing, drive on / drive off, machine on the railway wagon

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DR-SP-TD15MS2-T4F-08022021-ENG



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Photographs in this brochure may not reflect market configuration.

Please consult your dealer to confirm specifications and configurations.

Dressta encourages safe worksites.
Please consult operator's manual before use of any Dressta equipment.

