

LT & LGP



Construction

Rental

Landscaping

Forestry

Ship Trimming

TD-85 / TD-95

COMPACT CRAWLER DOZERS

Hydrostatic Drive

S Series

ENGINE

| | TD-8S LT / TD-8S LGP | TD-9S LT & TD-9S LGP |
|----------------------|--|--|
| Make and model | Cummins QSF3.8 | Cummins QSF3.8 |
| Emissions standard | EPA Tier 4f | EPA Tier 4f |
| Displacement | 3.8 L (229 in ³) | 3.8 L (229 in ³) |
| Bore and stroke | 107 x 115 mm (4.2 in. x 4.53 in.) | 107 x 115 mm (4.2 in. x 4.53 in.) |
| Horsepower | | |
| SAE J1995 | Gross 75 kW (100 hp) | Gross 89 kW (120 hp) |
| SAE J1349 / ISO 9249 | Net 70 kW (94 hp) | Net 84 kW (113 hp) |
| Rated RPM | 2,200 rpm | 2,200 rpm |
| Max. torque | 414 Nm (305 ft-lb) @ 1,600 rpm | 448 Nm (360 ft-lb) @ 1,600 rpm |
| Air cleaner | 2-stage, dry type with service indicator | 2-stage, dry type with service indicator |

COOLING

| | TD-8S LT / TD-8S LGP / TD-9S LT & TD-9S LGP |
|-----------------------|--|
| Type | Variable-speed fan with viscous fan clutch |
| Engine coolant rating | -37° C (-34° F) |

HYDRAULICS

| | TD-8S LT / TD-8S LGP / TD-9S LT & TD-9S LGP |
|------------------------|---|
| Type | Open-center hydraulic system with fixed-displacement tandem gear pump |
| Pump displacement | 69.6 L/min (18.4 gpm) |
| System relief pressure | 20,000 kPa (2,900 psi) |
| Control | 3-function direct-acting T-bar joystick |

ELECTRICAL

| | TD-8S LT / TD-8S LGP / TD-9S LT & TD-9S LGP |
|-------------------|--|
| Voltage | 12 volts |
| Battery capacity | 815 CCA |
| Reserve capacity | 170 min. |
| Alternator rating | 120 amp |
| Lights | Front: ROPS or cab (2). Rear: (1) |

OPERATOR STATION

| | TD-8S LT / TD-8S LGP / TD-9S LT & TD-9S LGP |
|---|--|
| ROPS (ISO 3471 – 2008) and FOPS (ISO 3449 – 2005) | |

POWERTRAIN

| | TD-8S LT / TD-8S LGP | TD-9S LT & TD-9S LGP |
|------------------------|---|---|
| Transmission | Automatic, dual path, Hydrostatic Drive. | Automatic, dual path, Hydrostatic Drive. |
| System relief pressure | 45,000 kPa (6,526.7 psi) | 45,000 kPa (6,526.7 psi) |
| Maximum travel speeds | 10.5 km/h (6.5 mph) | 10.5 km/h (6.5 mph) |
| Steering | Single-lever steering, speed, direction control, and counter rotation. | Single-lever steering, speed, direction control, and counter rotation. |
| Final drives | Double-reduction final drives mounted independently of track frames and dozer push frames for isolation from shock loads. | Double-reduction final drives mounted independently of track frames and dozer push frames for isolation from shock loads. |
| Total ratio | 48 to 1 | 48 to 1 |
| Maximum drawbar pull | 168 kN (37,768 lb) | 181 kN (40,690 lb) |
| Brakes | | |
| Service | Hydrostatic (dynamic) braking. | Hydrostatic (dynamic) braking. |
| Parking | Independent spring-applied, hydraulically released park brake feature engages wet, multiple-disc brakes. | Independent spring-applied, hydraulically released park brake feature engages wet, multiple-disc brakes. |

UNDERCARRIAGE

| | TD-8S LT | TD-9S LT |
|--------------------------|---|---|
| Blade type | 6-way | 6-way |
| 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. |
| Track gauge | 1,575 mm (62 in.) | 1,640 mm (65 in.) |
| Track shoe width | 406 mm (16 in.) | 457 mm (18 in.) |
| Chain | Sealed and lubricated | Sealed and lubricated |
| Shoes, each side | 40 | 42 |
| Track rollers, each side | 7 | 7 |
| Track length on ground | 2,333 mm (91.7 in.) | 2,432 mm (95.7 in.) |
| Ground contact area | 18,943 cm ² (2,936 sq. in.) | 22,374 cm ² (3,468 sq. in.) |
| Ground pressure | 51 kPa (7.4 psi) | 48 kPa (6.7 psi) |
| Track pitch | 165 mm (6.5 in.) | 165 mm (6.5 in.) |

| | TD-8S LGP | TD-9S LGP |
|--------------------------|---|---|
| Blade type | 6-way | 6-way |
| 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. |
| Track gauge | 1,725 mm (68 in.) | 1,790 mm (70 in.) |
| Track shoe width | 660 mm (26 in.) | 710 mm (28 in.) |
| Chain | Sealed and lubricated | Sealed and lubricated |
| Shoes, each side | 40 | 42 |
| Track rollers, each side | 7 | 7 |
| Track length on ground | 2,333 mm (91.7 in.) | 2,432 mm (95.7 in.) |
| Ground contact area | 30,795 cm ² (4,773 sq. in.) | 34,534 cm ² (5,353 sq. in.) |
| Ground pressure | 33 kPa (4.7 psi) | 31 kPa (4.5 psi) |
| Track pitch | 165 mm (6.5 in.) | 165 mm (6.5 in.) |

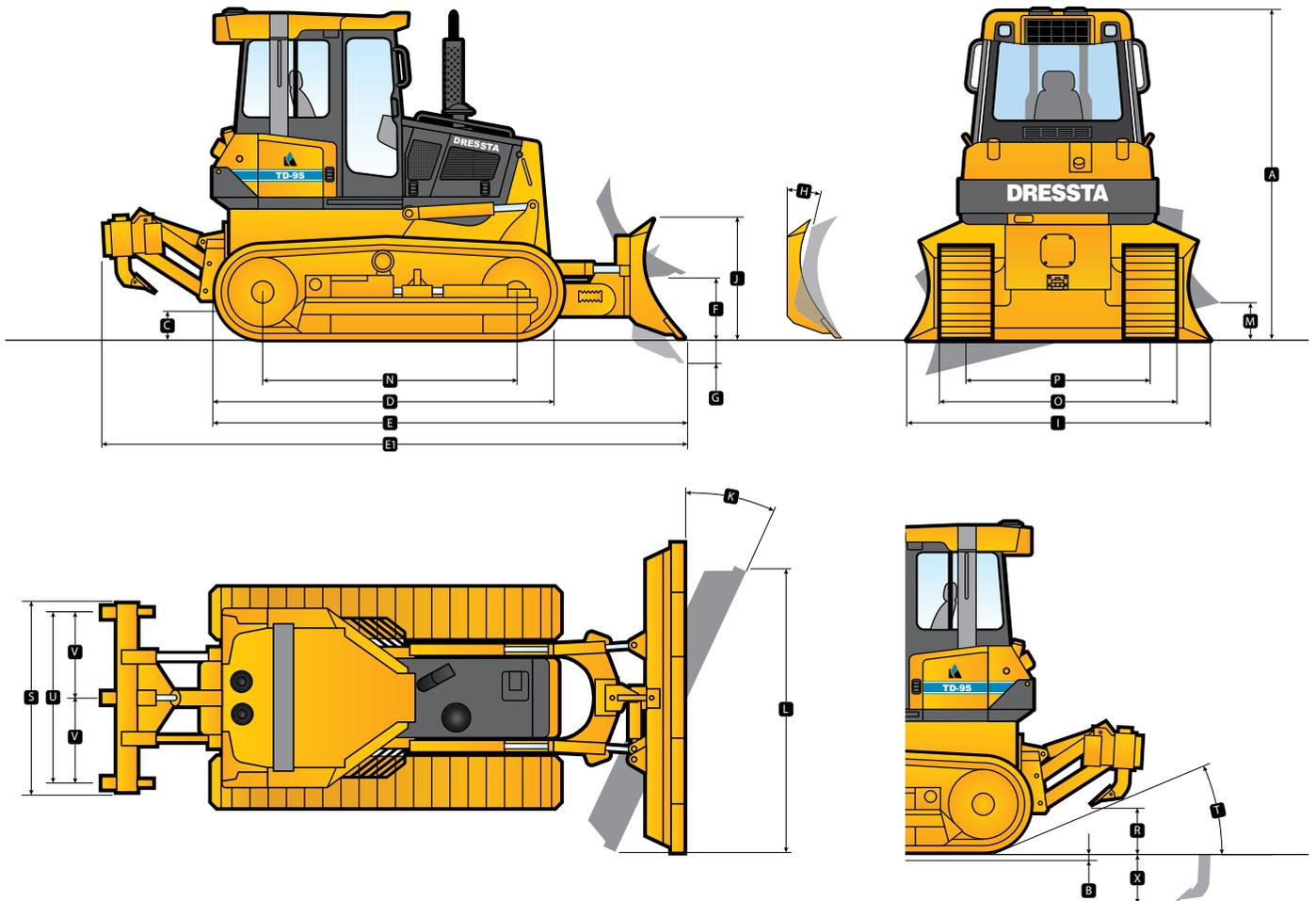
SERVICEABILITY

TD-8S LT / TD-8S LGP / TD-9S LT & TD-9S LGP

| | |
|------------------------|----------------------|
| Refill capacities | |
| Fuel tank | 185L (48 US gal.) |
| Cooling system | 23 L (6 US gal.) |
| Engine oil | 11 L (2.7 US gal.) |
| Hydraulic reservoir | 116 L (30.6 US gal.) |
| Final drive, each side | 18.5 L (4.8 US gal.) |

OPERATING WEIGHTS

| | TD-8S LT | TD-8S LGP | TD-9S LT | TD-9S LGP |
|--|------------------------|------------------------|------------------------|------------------------|
| Blade type | 6-way | 6-way | 6-way | 6-way |
| Base weight with 6-way blade, standard equipment, cab ROPS/FOPS, full fuel tank and 79 kg (175 lb.) operator | 10,000 kg (22,046 lb.) | 10,300 kg (22,707 lb.) | 11,000 kg (24,251 lb.) | 11,300 kg (24,912 lb.) |
| Optional components | | | | |
| Ripper w/3 shanks | 510 kg (1,120 lb.) | 510 kg (1,120 lb.) | 850 kg (1,874 lb.) | 850 kg (1,874 lb.) |
| Track shoes | | | | |
| 381 mm (15 in.) | -34 kg (-74 lb.) | - | - | - |
| 432 mm (17 in.) | 77 kg (170 lb.) | - | - | - |
| 508 mm (20 in.) | - | - | 74 kg (164 lb.) | - |
| 610 mm (24 in.) | - | 262 kg (577 lb.) | - | 156 kg (343 lb.) |



MACHINE DIMENSIONS

| | TD-8S LT | TD-8S LGP | TD-9S LT | TD-9S LGP |
|---|--|---|---|---|
| Blade type | 6-way | 6-way | 6-way | 6-way |
| A Overall height – cab ROPS/FOPS | 2.87 m (9 ft. 5 in.) | 2.87 m (9 ft. 5 in.) | 2,851 mm (9 ft. 4.2 in.) | 2,851 mm (9 ft. 4.2 in.) |
| B Grouser height | 53.6 mm (2.11 in.) | 53.6 mm (2.11 in.) | 53.6 mm (2.11 in.) | 53.6 mm (2.11 in.) |
| C Ground clearance | 367 mm (14.4 in.) | 367 mm (14.4 in.) | 426 mm (16.7 in.) | 426 mm (16.7 in.) |
| D Overall length, base machine | 3.08 m (10 ft. 1.2 in.) | 3.08 m (10 ft. 1.2 in.) | 3.22 m (10 ft. 6.7 in.) | 3.22 m (10 ft. 6.7 in.) |
| E Length with blade | 4.36 m (14 ft. 3.6 in.) | 4.36 m (14 ft. 3.6 in.) | 4.38 m (14 ft. 4.5 in.) | 4.38 m (14 ft. 4.5 in.) |
| E1 Length with blade and ripper | 5.23 m (17 ft. 2 in.) | 5.23 m (17 ft. 2 in.) | 5.5 m (18 ft. 1 in.) | 5.5 m (18 ft. 1 in.) |
| F Blade lift height | 0.82 m (32.3 in.) | 0.82 m (32.3 in.) | 0.85 m (33.5 in.) | 0.85 m (33.5 in.) |
| G Blade digging depth | 0.47 m (18.5 in.) | 0.47 m (18.5 in.) | 0.45 m (17.7 in.) | 0.45 m (17.7 in.) |
| H Blade cutting-edge angle, adjustable | 8 deg (52 to 60 deg.) | 8 deg (52 to 60 deg.) | 8 deg (52 to 60 deg.) | 8 deg (52 to 60 deg.) |
| I Blade width | 2,733 mm (8 ft. 11 in.) | 2,974 mm (9 ft. 9 in.) | 2,885 mm (9 ft. 5.4 in.) | 3,342 mm (10 ft. 11.5 in.) |
| J Blade height | 950 mm (3 ft. 2 in.) | 950 mm (3 ft. 2 in.) | 1,020 mm (3 ft. 4.2 in.) | 990 mm (3 ft. 3 in.) |
| SAE Capacity | 1.84 m ³ (2.4 yd ³) | 2.0 m ³ (2.6 yd ³) | 2.2 m ³ (2.9 yd ³) | 2.4 m ³ (3.1 yd ³) |
| K Blade angle | 25 deg. | 25 deg. | 25 deg. | 25 deg. |
| L Overall width with blade angled | 2.51 m (8 ft. 3 in.) | 2.72 m (8 ft. 11 in.) | 2.64 m (8 ft. 8 in.) | 3.06 m (10 ft. 1 in.) |
| M Blade tilt | 0.33 m (13 in.) | 0.33 m (13 in.) | 0.35 m (13.8 in.) | 0.4 m (15.7 in.) |
| N Track length on ground | 2,333 mm (91.7 in.) | 2,333 mm (91.7 in.) | 2,432 mm (95.7 in.) | 2,432 mm (95.7 in.) |
| O Width over track | 1,981 mm (6 ft. 6 in.) | 2,385 mm (7 ft. 9.7 in.) | 2,097 mm (6 ft. 10.6 in.) | 2,500 mm (8 ft. 2.4 in.) |
| P Track gauge | 1,575 mm (61 in.) | 1,725 mm (69 in.) | 1,640 mm (64.6 in.) | 1,790 mm (70.5 in.) |

RIPPER

| Heavy-duty parallelogram 3-shank ripper | TD-8S LT / TD-8S LGP | TD-9S LT & TD-9S LGP |
|---|--------------------------|------------------------|
| Weight, complete | 510 kg (1,120 lb.) | 850 kg (1,874 lb.) |
| Weight of shank | 14 kg (30.9 lb.) | 47 kg (103.6 lb.) |
| Shank positions (vertical) | 2 | 2 |
| Q Maximum penetration | 378 mm (14.9 in.) | 500 mm (19.7 in.) |
| R Maximum clearance under tip | 396 mm (15.6 in.) | 460 mm (18.1 in.) |
| S Overall beam width | 1.57 m (5 ft. 2 in.) | 1.81 m (5 ft. 11 in.) |
| T Slope angle (full raise) | 34 deg. | 34 deg. |
| U Ripping width | 1,029 mm (3 ft. 4.5 in.) | 1,600 mm (5 ft. 3 in.) |
| V Spacing center to center | 343 mm (13.5 in.) | 800 mm (31.5 in.) |

Specifications may change from time to time and this brochure may not reflect the latest specifications. Photographs in this brochure may not reflect market configuration. Please consult your dealer to confirm specifications and configurations.



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info@dressta.com
www.dressta.com

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