

755C CRAWLER LOADER

46,300 lb (21 000 kg)

Overall Height (At Cab)	10 ft 10 in. (3.17 m)
Overall Length	22 ft 5 in. (6.83 m)
Machine Width	8 ft 2 in. (2.49 m)
Ground Clearance	16.8 in. (426 mm)

ENGINE.....Liebherr D 926 T-E

Number of Cylinders and Displacement	6 cylinders, 610 cu in. (10.0 L)
Air Intake System.....	Turbocharged
Bore and Stroke.....	4.803 x 55.590 in (122 x 142 mm)
Net hp at 1800 rpm.....	177 SAE hp (132 kW)
Compression Ratio.....	17.2:1
Maximum Torque at 1200 rpm.....	603 lb-ft (818 N•m)
Nozzle Opening Pressure:	
New	3263 psi (22 500 kPa) (225 bar)
Used	3147 psi (21 700 kPa) (217 bar)
Valve Clearance (Cold):	
Intake.....	0.010 in. (0.25 mm)
Exhaust	0.012 in. (0.30 mm)
Oil Pressure at:	
Fast Idle.....	51 psi (350 kPa) (3.5 bar)
Slow Idle	22 psi (150 kPa) (1.5 bar)
Speeds:	
Slow Idle	800—850 rpm
Fast Idle.....	1900—1960 rpm
Rated Full Load	1800 rpm
Cylinder Pressure Hot:	
Minimum	290 psi (2000 kPa) (20 bar)
Maximum.....	406 psi (2800 kPa) (28 bar)
Maximum Differential Between Cylinders.....	58 psi (400 kPa) (4 bar)
Electrical System	24 V
Alternator	55 amp

TRANSMISSION

Type.....	Dual-path, electronic-controlled, closed loop hydrostatic drive
Travel Speeds (Forward and Reverse):	
Low Range	0—3.1 mph (0—5 km/h)
High Range	0—6.8 mph (0—11 km/h)

HYDRAULIC SYSTEM

Regulating Pump:	
Type.....	Axial-piston, swash plate type
Oil Flow	55 gpm (209 L/min)
Stand-By Pressure.....	290—305 psi (2000—2100 kPa) (20—21 bar)

POWER TRAIN

Replenishment Pump:	
Type.....	Gear
Oil Flow (Max)	22 gpm (83 L/min)
Travel Drive Motor:	
Type.....	Bent-axis type, variable flow motor
Travel Drive Pump:	
Type.....	Variable-flow, swash plate type
Oil Flow (Max)	55 gpm (209 L/Min)

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RELIEF VALVE SETTINGS

Regulating Pump Relief	3771 ± 73 psi (26 000 ± 500 kPa) (260 ± 5 bar)
Travel Drive Motor Relief	145 psi (1000 kPa) (10 bar)
Travel Drive Pump (Max):	
Close Circuit Left/Right	5947—6527 psi (4100—45000 kPa) (410—450 bar)
Travel Forward/Reverse	5947—6527 psi (4100—45000 kPa) (410—450 bar)

CYCLE TIMES (Maximum)

Standard Bucket:	
Raise (From Ground to Maximum)	6.3 sec
Lower (Maximum to Ground)	2.7 sec
Tilt In (Ground Level to Maximum)	1.3 sec
Tilt In (Maximum to Maximum)	3.1 sec
Tilt Out (Upside: Maximum to Maximum)	1.4 sec

CYLINDER DRIFT (Maximum Allowable in 10 Minutes)

Bucket:	
Lift Cylinder	0.39 in. (10 mm)
Tilt Cylinder	0.47 in. (12 mm)
Main Relief Pressure Setting	4060 psi (27 992 kPa) (280 bar)

LUBRICANTS

See front of this book for the codes [].

CAPACITIES (Drain and Refill)

	U.S.	Metric
Engine:		
Cooling System (w/ Recovery Tank) [N]	15.6 gal	59 L
Oil Capacity w/ Filter [E]	24 qt	23 L
Fuel Tank	84.5 gal	320 L
Final Drive (Each) [J]:	11.6 qt	11 L
Hydraulic/Hydrostatic Reservoir w/ Filter [C]	46.2 qt	175 L
Splitter Drive	3.2 qt	3.0 L