









> TECHNICAL SPECIFICATIONS

ENGINE

MAKE	Scania
MODEL	DC13
NUMBER OF CYLINDERS	6
RATED POWER GROSS (HP PER SAE J1995)	345 hp (257 kW) @ 1800 rpm
RATED POWER NET (HP PER SAE J1349)	345 hp (257 kW) @ 1800 rpm
MAXIMUM TORQUE (GROSS) (SAE J1995)	1180 lbf.·ft. (163 kgf·m) @ 1300 rpm
PISTON DISPLACEMENT	775 in.³ (12.7 L)
BORE AND STROKE	5.1 x 6.3 in. (130 x 160 mm)
STARTER	24V, 8.6 hp (6.0 kW)
BATTERY (QTY 2)	2 x 12V, 200AH
ALTERNATOR	28V, 100 amp
AIR CLEANER	Double Elements

HYDRAULICS

MAIN PUMPS	1 x 70 gpm (1 x 266 L/min)
SYSTEM PRESSURE (WORK)	4641 psi (326 kgf/cm²)
SYSTEM PRESSURE (STEER)	3046 psi (214 kg/cm²)
BOOM SPEED – UP	6.0 sec
BOOM SPEED – DOWN	2.7 sec
BUCKET SPEED – CROWD	2.3 sec
BUCKET SPEED – DUMP	1.6 sec

TRAVEL SPEEDS

TRAVEL SPEED – FORWARD (4)	4.5 / 7.6 / 11.6 / 22.6 mph (7.2 / 12.2 / 18.6 / 36.4 km/h)
TRAVEL SPEED – FORWARD (5) (US15 PACKAGE ONLY)	4.5 / 7.8 / 12.1 / 17.4 / 24.9 mph (7.2 / 12.5 / 19.5 / 28 / 40.0 km/h)
TRAVEL SPEED – REVERSE (3)	4.5 / 7.6 / 16.5 mph (7.2 / 12.2 / 26.5 km/h)
MAXIMUM GRADE	51% (27°)

ENVIRONMENT

SOUND LEVEL (2000/14/EC)	106 dB(A)
CABIN SOUND LEVEL (ISO 6396)	70 dB(A)



REFILL CAPACITIES

FUEL TANK	84 gal. (318 L)
DEF TANK	15.9 gal. (60 L)
COOLING SYSTEM (RADIATOR CAPACITY)	14.5 gal. (54.8 L)
ENGINE OIL	11.9 gal. (45 L)
TRANSMISSION	14.5 gal. (55 L)
FRONT AXLE	11.1 gal. (42 L)
REAR AXLES	11.1 gal. (42 L)
HYDRAULIC SYSTEM	58.9 gal. (223 L)

HYDRAULIC CYLINDERS

STEERING (2)	3.9 in. x 2 in. x 17.4 in. (100 mm x 50 mm x 442 mm)
LIFT ARM (2)	5.9 in. x 3.7 in. x 31.3 in. (150 mm x 95 mm x 795 mm)
BUCKET (1)	6.3 in. x 3.9 in. x 24.2 in. (160 mm x 100 mm x 615 mm)

BORE x ROD DIAMETER x STROKE

The piston rods and cylinder bodies are made of high-strength steel. A shock-absorbing mechanism is fitted in at the base and rod end of the lift and bucket cylinders and the rod end of the steering cylinders to ensure shock-free operation and extended piston life.

NOTE: Where applicable, dimensions are in accordance with Society of Automotive Engineers (SAE) and ISO standards. Specifications and design are subject to change without notice. Pictures of Doosan® wheel loaders may show other than standard equipment. All dimensions are shown in inches. Respective metric dimensions are enclosed by parentheses. Doosan construction equipment is manufactured with a Quality Management System that is in compliance with ISO 9001:2008. All dimensions are given for Doosan wheel loaders equipped with standard tires.

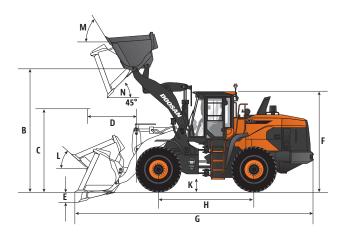


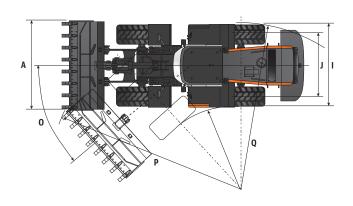
STANDARD ARM

HIGH-LIFT

BUCKET CAPACITY, HEAPED ISO/SAE		5.5 yd³	(4.2 m³)
BUCKET WIDTH	Α	10' 8" (3270 mm)	
HINGE PIN HEIGHT, MAX.	В	13' 11" (4265 mm)	15' 6" (4745 mm)
DUMP HEIGHT (45°) – FULLY RAISED	С	10' (3055 mm)	11' 7" (3537 mm)
DUMP REACH (45°) – FULLY RAISED	D	4' 1" (1255 mm)	4' 3" (1309 mm)
DIGGING DEPTH	E	3" (100 mm)	4" (115 mm)
OVERALL HEIGHT, ROPS CABIN	F	12' (366	50 mm)
OVERALL LENGTH	G	29' (8836 mm)	30' 7" (9314 mm)
WHEEL BASE	Н	11' 6" (3525 mm)	
WIDTH AT TIRES	ı	10' 6" (3200 mm)	
TREAD WIDTH	J	7' 7" (2311 mm)	
GROUND CLEARANCE	К	1' 7" (495 mm)	
MAX. TILT ANGLE ON GROUND		44° 45°	
MAX. TILT ANGLE AT CARRY POSITION	L	48°	51°
MAX. TILT ANGLE AT FULLY RAISED	М	62°	64°
MAX. DUMP ANGLE AT FULLY RAISED	N	45°	
STEERING ANGLE, MAX.	0	40°	
EXTERNAL RADIUS, BUCKET EDGE	Р	23' (7010 mm)	23' 2" (7055 mm)
EXTERNAL RADIUS, OUTSIDE TIRE	Q	20' 11" (6385 mm)	
TIRE SIZE		26.5R25 - L3	
OPERATING WEIGHT		51,553 lb. (23,380 kg)	52,159 lb. (23,660 kg)
STATIC TIPPING LOAD (STRAIGHT)		42,719 lb. (19,377 kg)	34,099 lb. (15,467 kg)
STATIC TIPPING LOAD (AT FULL TURN)		37,686 lb. (17,094 kg)	30,080 lb. (13,644 kg)
BREAKOUT FORCE		41,365 lbf. (18,763 kgf)	39,791 lbf. (18,049 kgf)

Front Lift Arm Configuration Standard: US10, US11 High-Lift: US20, US21









STANDARD & OPTIONAL EQUIPMENT

Standard Base Package, US10

● Standard Equipment ■ Optional Equipment - N/A

MISSIONS, T4 (EPA)	•
HIGH-PRESSURE COMMON RAIL (HPCR)	•
TURBO, VARIABLE GEOMETRY (VGT)	•
COOLED EXHAUST GAS RECIRCULATION (CEGR)	•
DIESEL OXIDATION CATALYST (DOC)	•
ELECTIVE CATALYST REDUCTION (SCR)	•
DIESEL EXHAUST FLUID (DEF)	•
UEL FILTER WITH WATER SEPARATOR	•
OOLANT RECOVERY TANK	•
DUAL ELEMENT DRY-TYPE AIR FILTER WITH EVACUATOR	•
PRE-CLEANER	•
ELECTRONIC ENGINE CONTROL (ECU)	•
UTO-IDLE (WORKING TO STANDBY)	•
UTO-SHUTDOWN (TIME ADJUSTABLE)	•
IVERHEAT & LOW OIL PRESSURE NGINE PROTECTION	•
OOLING FAN – RADIATOR, VARIABLE SPEED	•
COOLING FAN – RADIATOR, AUTOMATIC REVERSIBLE	•
REMOTE DRAIN PORT – ENGINE OIL	•
LOCK HEATER (110V)	٠
IYDRAULIC	
ARIABLE DISPLACEMENT AXIAL PISTON PUMP	•
LOSED-CENTER SYSTEM	•
MAIN CONTROL VALVES – PILOT	•
IAIN CONTROL VALVES – ELECTRIC	-
EMOTE TEST PORTS	•
EMOTE DRAIN PORT – HYDRAULIC OIL	•
PRING APPLIED HYDRAULIC RELEASE BRAKE	•
UXILIARY HYDRAULICS (3RD VALVE)	•
UXILIARY HYDRAULIC DETENT (EMCV ONLY)	-
UTOMATIC BOOM/LIFT KICK-OUT, DJUSTABLE (IN CAB)	•
IUTOMATIC RETURN-TO-DIG POSITION, IDJUSTABLE	•
BOOM FLOAT	•
OAD ISOLATION SYSTEM	•
CABIN	
TEEL, ALL-WEATHER & SOUND-SUPPRESSED	•
OPS (ISO 3471)	•
OPS (ISO 3449)	•
RONT WINDOW WITH WIPER/WASHER	•
EAR WINDOW WITH WIPER	•
EAR WINDOW WITH WIPER NTED SAFETY GLASS	•
	•

DEFROST, FRONT WINDOW	•
LOCKABLE DOORS	•
SEAT - AIR SUSPENSION - 2" (SI MM) SEAT BELT - ADJUSTABLE HEIGHT & RECLINE - ADJUSTABLE FORE/AFT - ADJUSTABLE ARMRESTS	•
3" (76 MM) SEAT BELT	•
CONTROL STANDS - HEIGHT ADJUSTABLE - FORE/AFT ADJUSTABLE	•
STORAGE FOR OPERATOR'S MANUALS	•
MIRROR, INTERIOR REAR VIEW (1)	•
MIRROR, EXTERIOR (2) HEATED	•
MIRROR, EXTERIOR (2) HEATED - ELECTRONIC ADJUSTABLE	•
FULLY AUTOMATIC HVAC W/ AMBIENT TEMPERATURE SENSOR	•
DOOSAN SMART TOUCH DISPLAY - 8" TOUCH-ENABLED - ADJUSTABLE HEIGHT & ANGLE	•
AM/FM STEREO WITH BLUETOOTH®	•
SPEAKERS (2)	•
ANTENNA, ROOF-MOUNTED	•
EMERGENCY BREAKOUT TOOL	•
HOT/COLD BEVERAGE COMPARTMENT	•
POWER SOCKET, 12V	•
POWER SOCKET, USB	•
BEVERAGE HOLDER	•
INTERIOR LIGHT	•
COAT HANGER	•
ELECTRICAL	
SYSTEM VOLTAGE – 24V	•
ALTERNATOR – 24V, 80 AMP	•
2 X 12V BATTERIES, 100 AH RESERVE CAPACITY, 900 CCA	•
BLADE-TYPE FUSE PANEL	•
MAIN CIRCUIT BREAKER	•
LIGHTS, WORK (LED): FRONT (2), REAR (2)	•
LIGHTS, WORK (LED): FRONT (4), REAR (4)	•
LIGHTS, WORK (LED): FRONT (6), REAR (6)	•
LIGHTS, HEADLIGHTS (HALOGEN) - HI/LO BEAMS (2)	•
LIGHTS, STOP, TAIL & DIRECTION INDICATORS	•
HORN	•
ROTATING BEACON	•
HOUR METER	•
ENGINE RESTART PREVENTION SYSTEM	•
REARVIEW CAMERA	•
LAPTOP SERVICE PORT	•

- COOLANT TEMPERATURE - TRANSMISSION OVERHEAT	•
GAUGES FUEL LEVEL DEF LEVEL ENGINE COOLANT TEMPERATURE -TRANSMISSION OIL TEMPERATURE -ENGINE ROPM -SPEEDOMETER -TRANSMISSION GEAR INDICATOR -BATTERY VOLTAGE -ECO -DOOSAN SMART GUIDANCE SYSTEM -DIGITAL CLOCK -TRIP METER -HOUR METER -TOTAL OPERATION TIME -TOTAL OPERATION TIME -FUEL CONSUMPTION	•
WARNING & INDICATOR LIGHTS -SEAT BELT -ERROR CODE -SCR WARNING -CHECK ENGINE - ENGINE OIL PRESSURE - ENGINE OIL PRESSURE - ENGINE PRE-HEAT ENGAGED - RADIATOR COOLANT LEVEL & TEMPERATURE - AIR FILTER - FUEL LEVEL - DEF LEVEL - LOW - WATER IN FUEL - BATTERY CHARGE - LIGHTS (HIGH, MAIN, WORK, BEACON) - DIRECTION SIGNAL - EMERGENCY STEERING - HYDRAULIC OIL TEMPERATURE - HYDRAULIC HARGE PRESSURE WARNING - HYDRAULIC FUEL FILTER - HYDRAULIC FUEL FUEL - HYDRAULIC FUEL FUEL - HYDRAULIC FUEL FUEL - TRANSMISSION MODE - TRANSMISSION WOIL TEMP - TRANSMISSION OIL TE	•
BACK-UP ALARM	•
SCALE SYSTEM, DOOSAN INTEGRATED SMART SCALE	
SCALE SYSTEM, LOADRITE® SCALE	ī
CONTROLS	
ADJUSTABLE STEERING COLUMN - TILTING - TELESCOPING	•
- TILTING	•
-TILTING -TELESCOPING	•
-TILTING -TELESCOPING EMERGENCY SECONDARY STEERING	•
-TILTING -TELESCOPING EMERGENCY SECONDARY STEERING THROTTLE PEDAL (ACCELERATOR)	•
- TILTING - TELESCOPING EMERGENCY SECONDARY STEERING THROTTLE PEDAL (ACCELERATOR) BRAKE PEDAL, RIGHT	•
-TILTING -TELESCOPING EMERGENCY SECONDARY STEERING THROTTLE PEDAL (ACCELERATOR) BRAKE PEDAL, RIGHT BRAKE PEDAL, LEFT	•
-TILTING -TELESCOPING EMERGENCY SECONDARY STEERING ITHROTTLE PEDAL (ACCELERATOR) BRAKE PEDAL, RIGHT BRAKE PEDAL, LEFT BRAKE PEDAL TRANSMISSION KICK-OUT	•
- TILTING - TELESCOPING EMERGENCY SECONDARY STEERING THROTTLE PEDAL (ACCELERATOR) BRAKE PEDAL, RIGHT BRAKE PEDAL, LEFT BRAKE PEDAL TRANSMISSION KICK-OUT GEAR SELECTOR (FNR)	•
- TILTING - TELESCOPING EMERGENCY SECONDARY STEERING THROTTLE PEDAL (ACCELERATOR) BRAKE PEDAL, RIGHT BRAKE PEDAL, LEFT BRAKE PEDAL TRANSMISSION KICK-OUT GEAR SELECTOR (FNR) JOYSTICK CONTROL	•
- TILTING - TELESCOPING EMERGENCY SECONDARY STEERING ITHROTTLE PEDAL (ACCELERATOR) BRAKE PEDAL, RIGHT BRAKE PEDAL, LEFT BRAKE PEDAL TRANSMISSION KICK-OUT GEAR SELECTOR (FNR) JOYSTICK CONTROL FINGERTIP CONTROL (3-LEVER) SWITCHES, CONSOLE-MOUNTED - STARTER (BUTTON) - PARKING BRAKE - PILOT CUTOFF - TRANSMISSION CUTOFF - WORK LIGHT - REVERSIBLE COOLING FAN	•
- TILTING - TELESCOPING EMERGENCY SECONDARY STEERING ITHROTTLE PEDAL (ACCELERATOR) BRAKE PEDAL, RIGHT BRAKE PEDAL, RIGHT BRAKE PEDAL TRANSMISSION KICK-OUT GEAR SELECTOR (FNR) JOYSTICK CONTROL FINGERTIP CONTROL (3-LEVER) SWITCHES, CONSOLE-MOUNTED - STANTER (BUTTON) - PARKING BRAKE - PILOT CUTOFF - TRANSMISSION CUTOFF - WORK LIGHT - REVERSIBLE COOLING FAN EMERGENCY STOP SWITCH	•
- TILTING - TELESCOPING EMERGENCY SECONDARY STEERING ITHROTTLE PEDAL (ACCELERATOR) BRAKE PEDAL, RIGHT BRAKE PEDAL, LEFT BRAKE PEDAL TRANSMISSION KICK-OUT GEAR SELECTOR (FNR) JOYSTICK CONTROL FINGERTIP CONTROL (3-LEVER) SWITCHES, CONSOLE-MOUNTED - STARTER (BUTTON) - PARKING BRAKE - PILOT CUTOFF - TRANSMISSION CUTOFF - WORK LIGHT - REVERSIBLE COOLING FAN	•

AUDIO CONTROL PANEL

DISPLAY MONITOR & WARNINGS

Z-BAR LIFT ARM	•
Z-BAR LIFT ARM, HIGH-LIFT	
STEERING CYLINDER, DOUBLE-ACTING (2)	•
TRANSMISSION - 4F / 3R SPEED - FULL AUTOMATIC POWER SHIFT - TORQUE CONVERTER	•
TRANSMISSION - SF / 3R SPEED - AUTOMATIC - POWER SHIFT - TORQUE CONVERTER LOCK-UP CLUTCH	
DIFFERENTIALS - LIMITED SLIP FRONT - LIMITED SLIP REAR	•
DIFFERENTIALS - HYDRAULIC LOCKING FRONT - OPEN REAR	•
HYDRAULIC POWER STEERING	•
OUTBOARD PLANETARY AXLES	•
FIXED FRONT AXLE	•
OSCILLATING REAR AXLE	•
PARKING BRAKE, SPRING-APPLIED HYDRAULIC RELEASE	•
SEALED, SELF-ADJUSTING BRAKES	•
TIRES, 20.5R25 L3 BIAS	•
TIRES, 20.5R25 L3 RADIAL	•
TIRES, 23.5R25 L3 BIAS	
OTHER	
CENTRALIZED LUBRICATION	•
AUTOMATIC LUBRICATION SYSTEM	
AIR COMPRESSOR	
HANDRAILS, ENTRANCE & SERVICE STEPS	•
HANDRAILS, ROOF-MOUNTED	
SKID-RESISTANT ENTRANCE STEPS	•
SKID-RESISTANT SERVICE PLATFORMS	•
DRAWBAR AND PIN	•
WHEEL CHOCKS	•
REAR FENDER, FULL	
REAR FENDER, FULL ADDITIONAL COUNTERWEIGHT	
	•
ADDITIONAL COUNTERWEIGHT MANUALS - OPERATION & MAINTENANCE - PARTS	•

ADJUSTABLE SLIDING SIDE DOOR WINDOW

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