

TECHNICAL SPECIFICATIONS

ENGINE

MAKE	Perkins
MODEL	1204
NUMBER OF CYLINDERS	4
RATED POWER GROSS (HP PER SAE J1995)	142 hp (106 kW) @ 2200 rpm
RATED POWER NET (HP PER SAE J1349)	142 hp (106 kW) @ 2200 rpm
MAXIMUM TORQUE (GROSS) (SAE J1995)	413 ft.-lb. (560 Nm) @ 1400 rpm
PISTON DISPLACEMENT	269 in³ (4.4 L)
BORE AND STROKE	4.1 in x 5.0 in (105 mm x 127 mm)
STARTER	24V, 7.4 hp (5.5 kW)
BATTERY (QTY 2)	2 x 12V, 100AH
ALTERNATOR	24V, 85 amp
AIR CLEANER	Double Elements

HYDRAULICS

MAIN PUMPS	1 x 41 gpm (1 x 155 L/min)
SYSTEM PRESSURE (WORK)	4068 psi (286 kg/cm²)
SYSTEM PRESSURE (STEER)	2830 psi (199 kg/cm²)
BOOM SPEED – UP	5.6 sec
BOOM SPEED – DOWN	2.8 sec
BUCKET SPEED – CROWD	1.7 sec
BUCKET SPEED – DUMP	1.4 sec

TRAVEL SPEEDS

TRAVEL SPEED – FORWARD (4)	1.2~8.1 / 8.1 / 12.4 / 23.6 mph (2.0~13.0 / 13.0 / 20.0 / 38.0 km/h)
TRAVEL SPEED – REVERSE (3)	1.2~8.1 / 8.1 / 12.4 mph (2.0~13.0 / 13.0 / 20.0 km/h)
MAXIMUM GRADE	58% (30°)

ENVIRONMENT

SOUND LEVEL (2000/14/EC)	102 dB(A)
CABIN SOUND LEVEL (ISO 6396)	68 dB(A)



REFILL CAPACITIES

FUEL TANK	62.1 gal. (235 L)
DEF TANK	5.0 gal. (19 L)
COOLING SYSTEM (RADIATOR CAPACITY)	8.6 gal. (32.6 L)
ENGINE OIL	3.1 gal. (11.8 L)
TRANSMISSION	N/A
FRONT AXLE	4.0 gal. (15 L)
REAR AXLES	4.5 gal. (17 L)
HYDRAULIC SYSTEM	31.7 gal. (120 L)

HYDRAULIC CYLINDERS

STEERING (2)	2.8 in. x 1.4 in. x 14.4 in. (70 mm x 35 mm x 366 mm)
LIFT ARM (2)	4.5 in. x 3.0 in. x 26.6 in. (115 mm x 75 mm x 676 mm)
BUCKET (1)	4.7 in. x 3.0 in. x 20.0 in. (120 mm x 75 mm x 509 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.

DL 200

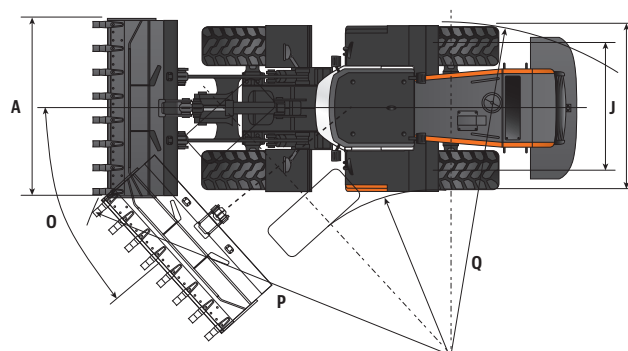
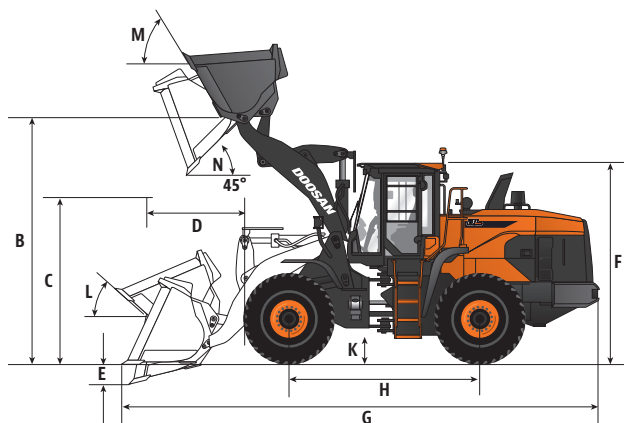
DIMENSIONS

STANDARD ARM

HIGH-LIFT

BUCKET CAPACITY, HEAPED ISO/SAE		2.6 yd ³ (2.0 m ³)	2.6 yd ³ (2.0 m ³)
BUCKET WIDTH	A	8' 4" (2550 mm)	8' 4" (2550 mm)
HINGE PIN HEIGHT, MAX.	B	12' 3" (3735 mm)	13' 10" (4210 mm)
DUMP HEIGHT (45°) – FULLY RAISED	C	9' 1" (2765 mm)	10' 8" (3245 mm)
DUMP REACH (45°) – FULLY RAISED	D	3' 4" (1005 mm)	3' 3" (995 mm)
DIGGING DEPTH	E	2" (58 mm)	7" (200 mm)
OVERALL HEIGHT, ROPS CABIN	F	10' 10" (3313 mm)	10' 10" (3313 mm)
OVERALL LENGTH	G	23' 6" (7175 mm)	25' (7615 mm)
WHEEL BASE	H	9' 9" (2980 mm)	9' 9" (2980 mm)
WIDTH AT TIRES	I	8' 4" (2530 mm)	8' 4" (2530 mm)
TREAD WIDTH	J	6' 4" (1930 mm)	6' 4" (1930 mm)
GROUND CLEARANCE	K	1' 5" (434 mm)	1' 5" (434 mm)
MAX. TILT ANGLE ON GROUND		43°	43°
MAX. TILT ANGLE AT CARRY POSITION	L	49°	51°
MAX. TILT ANGLE AT FULLY RAISED	M	60°	63°
MAX. DUMP ANGLE AT FULLY RAISED	N	46°	45°
STEERING ANGLE, MAX.	O	40°	40°
EXTERNAL RADIUS, BUCKET EDGE	P	19' 2" (5835 mm)	19' 10" (6035 mm)
EXTERNAL RADIUS, OUTSIDE TIRE	Q	17' 7" (5365 mm)	17' 7" (5365 mm)
TIRE SIZE		20.5R25 L3	20.5R25 L3
OPERATING WEIGHT		26,559 lb (12,047 kg)	26,968 lb (12,233 kg)
STATIC TIPPING LOAD (STRAIGHT)		22,315 lb (10,122 kg)	18,373 lb (8,334 kg)
STATIC TIPPING LOAD (AT FULL TURN)		19,705 lb (8,938 kg)	16,224 lb (7,359 kg)
BREAKOUT FORCE		23,155 lbf (10,503 kgf)	23,380 lbf (10,605 kgf)

Front Lift Arm Configuration
Standard: US10
High-Lift: US20





STANDARD & OPTIONAL EQUIPMENT

Standard Base Package, US10

● Standard Equipment
■ Optional Equipment
– N/A

ENGINE

EMISSIONS, T4 (EPA)	●
HIGH-PRESSURE COMMON RAIL (HPCR)	●
COOLED EXHAUST GAS RECIRCULATION (CEGR)	●
DIESEL OXIDATION CATALYST (DOC)	●
SELECTIVE CATALYST REDUCTION (SCR)	●
DIESEL EXHAUST FLUID (DEF)	●
DIESEL PARTICULATE FILTER (DPF)	●
FUEL FILTER WITH WATER SEPARATOR	●
COOLANT RECOVERY TANK	●
DUAL ELEMENT DRY-TYPE AIR FILTER WITH EVACUATOR	●
PRE-CLEANER	●
ELECTRONIC ENGINE CONTROL (ECU)	●
AUTO-IDLE (WORKING TO STANDBY)	●
AUTO-SHUTDOWN (TIME ADJUSTABLE)	●
OVERHEAT & LOW OIL PRESSURE ENGINE PROTECTION	●
COOLING FAN – RADIATOR, VARIABLE SPEED	●
COOLING FAN – RADIATOR, AUTOMATIC REVERSIBLE	●
REMOTE DRAIN PORT – ENGINE OIL	●
BLOCK HEATER (110V)	—

HYDRAULIC

VARIABLE DISPLACEMENT AXIAL PISTON PUMP	●
CLOSED-CENTER SYSTEM	●
MAIN CONTROL VALVES – PILOT	●
REMOTE TEST PORTS	●
REMOTE DRAIN PORT – HYDRAULIC OIL	●
SPRING APPLIED HYDRAULIC RELEASE BRAKE	●
AUXILIARY HYDRAULICS (3RD VALVE)	●
AUXILIARY HYDRAULICS (4TH VALVE)	■
AUTOMATIC BOOM/LIFT KICK-OUT, ADJUSTABLE (IN CAB)	●
AUTOMATIC RETURN-TO-DIG POSITION, ADJUSTABLE	●
BOOM FLOAT	●
LOAD ISOLATION SYSTEM	■

CABIN

STEEL, ALL-WEATHER & SOUND-SUPPRESSED	●
ROPS (ISO 3471)	●
FOPS (ISO 3449 LEVEL II)	●
FRONT WINDOW WITH WIPER/WASHER	●
REAR WINDOW WITH WIPER	●
TINTED SAFETY GLASS	●
VISOR, RETRACTABLE	●
ADJUSTABLE SLIDING SIDE DOOR WINDOW	●

CABIN (CONTINUED)

DEFROST, FRONT WINDOW	●
LOCKABLE DOORS	●
SEAT - AIR SUSPENSION - 2" (51 MM) SEAT BELT - ADJUSTABLE HEIGHT & RECLINE - ADJUSTABLE FORE/AFT - ADJUSTABLE ARMRESTS	●
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 WITH AMBIENT TEMPERATURE SENSOR	●
DOOSAN SMART TOUCH DISPLAY - 8" TOUCH-ENABLED - ADJUSTABLE HEIGHT & ANGLE	●
DOOSAN TRANSPARENT BUCKET - MULTI-CAMERA SYSTEM & CONTROLLER - IN-CAB DISPLAY	■
AM/FM STEREO WITH HANDSFREE/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	●
HOURLY METER	●
ENGINE RESTART PREVENTION SYSTEM	●
REARVIEW CAMERA	●
LAPTOP SERVICE PORT	●
SELF-DIAGNOSTICS SYSTEM	●

DISPLAY MONITOR & WARNINGS

BUZZER - ENGINE OIL PRESSURE - COOLANT TEMPERATURE - TRANSMISSION OVERHEAT	●
GAUGES - FUEL LEVEL - DEF LEVEL - ENGINE COOLANT TEMPERATURE - TRANSMISSION OIL TEMPERATURE - ENGINE RPM - SPEEDOMETER - TRANSMISSION GEAR INDICATOR - BATTERY VOLTAGE - ECO - DOOSAN SMART GUIDANCE SYSTEM - DIGITAL CLOCK - TRIP METER - HOUR METER - TOTAL OPERATION TIME - FUEL CONSUMPTION	●
WARNING & INDICATOR LIGHTS - SEAT BELT - ERROR CODE - SCR WARNING - CHECK ENGINE - 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 CHARGE PRESSURE WARNING - HYDRAULIC PILOT FILTER - HYDRAULIC RETURN FILTER - TRANSMISSION MODE - TRANSMISSION WARNING - TRANSMISSION LOCK-UP - TRANSMISSION OIL TEMP - TRANSMISSION GEAR INDICATOR - BRAKE FLUID PRESSURE WARNING - REVERSE FAN INDICATOR - MIRROR HEAT INDICATOR - PARKING BRAKE INDICATOR	●
BACK-UP ALARM	●
SCALE SYSTEM, DOOSAN INTEGRATED SMART SCALE	■
SCALE SYSTEM, LOADRITE® SCALE	■
ADJUSTABLE STEERING COLUMN - TILTING - TELESOPING	●
EMERGENCY STEERING	■
THROTTLE PEDAL (ACCELERATOR)	●
BRAKE PEDAL, RIGHT	●
BRAKE PEDAL, LEFT	■
INTELLIGENT CLUTCH CUT-OFF	●
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	●
SPEED MANAGEMENT	●
TRACTION CONTROL MANAGEMENT	●
EMERGENCY STOP SWITCH	●

CONTROLS (CONTINUED)

POWER MODE (P, S, E)	●
TRANSMISSION MODE	●
WIPER CONTROL PANEL	●
AUDIO CONTROL PANEL	●
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 – HYDROSTAT - DUAL MOTOR	●
DIFFERENTIALS - LIMITED SLIP FRONT - LIMITED SLIP REAR	●
HYDRAULIC POWER STEERING	●
INBOARD PLANETARY AXLES	●
FIXED FRONT AXLE	●
OSCILLATING REAR AXLE	●
PARKING BRAKE, SPRING-APPLIED HYDRAULIC RELEASE	●
SEALED, SELF-ADJUSTING BRAKES	●
TIRES, 20.5R25 L3 RADIAL	●
TIRES, 20.5R25 L3 MICH XHAT2	■
TIRES, 23.5R 25 BRIDGESTON VJT L3 BIAS	■
OTHER	
CENTRALIZED LUBRICATION	●
AIR COMPRESSOR	■
HANDRAILS, ENTRANCE & SERVICE STEPS	●
HANDRAILS, ROOF-MOUNTED	■
ROOF COVER	■
SKID-RESISTANT ENTRANCE STEPS	●
SKID-RESISTANT SERVICE PLATFORMS	●
DRAWBAR AND PIN	●
WHEEL CHOCKS	●
REAR FENDER, FULL	■
ADDITIONAL COUNTERWEIGHT	■ ²
MANUALS - OPERATION & MAINTENANCE - PARTS - AEM SAFETY MANUAL	●
DOOSANCONNECT® - FREE MONITORING - NO CONTRACT OR FEES	●
VANDALISM PROTECTION - LOCKABLE PANELS - LOCKABLE FLUID FILL POINTS - ANTI-THEFT PROTECTION (PASSWORD)	●

1 Dealer-Installed Only
2 Standard on High-Lift Models

877-745-7814
na.DoosanEquipment.com/dl200-7

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