



DL250 TECHNICAL DATA





GENERAL SPECIFICATIONS

ITEMS		UNIT	STANDARD
ENGINE	MODEL	ea.	Doosan DL06
	NUMBER OF CYLINDERS	ea.	6
	RATED FLYWHEEL POWER (GROSS) (SAE J1995)	hp / rpm	163 / 2,100
		kW / rpm	121 / 2,100
	RATED FLYWHEEL POWER (NET) (SAE J1349)	hp / rpm	154 / 2,100
		kW / rpm	115 / 2,100
	MAX. TORQUE (GROSS) (SAE J1995)	ft. lb.	593 @ 1,400 rpm
		Nm	804 @ 1,400 rpm
	PISTON DISPLACEMENT	in. ³	360
		cc	5,900
	BORE AND STROKE	in.	3.9 X 4.9
		mm	100 X 125
	STARTER	V	24
kW		4.5	
BATTERIES	ea.	2	
	V	12	
	AH	100	
OPERATING WEIGHT	lb.	30,864	
	kg	14,000	
BUCKET CAPACITY (BOT/BOC SAE HEAPED)	yd. ³	3.1 / 3.5	
	m ³	2.4 / 2.7	
MAIN PUMPS	US gpm	30.4 / 33.3 / 10.3	
	L / min.	115 / 126 / 39	
SYSTEM PRESSURE (WORK)	psi	2,845	
	bar	196	
SYSTEM PRESSURE (STEER)	psi	2,702	
	bar	186	
TRAVEL SPEED	FORWARD (1 / 2 / 3 / 4)	mph	4.1 / 7.2 / 14.0 / 21.1
		km / h.	6.6 / 11.5 / 22.5 / 34
	REVERSE (1 / 2 / 3)	mph	4.4 / 7.8 / 14.6
		km / h.	7.0 / 12.5 / 23.5
BOOM SPEED	UP (LOADED)	sec.	5.9 ± 0.5
	UP (UNLOADED)	sec.	5.4 ± 0.5
	DOWN	sec.	3.0 ± 0.5
BUCKET SPEED	CROWD (LOADED)	sec.	1.1 ± 0.5
	CROWD (UNLOADED)	sec.	1.0 ± 0.5
	DUMP	sec.	1.1 ± 0.5
GRADEABILITY	%	58	
	°	30	
TIRE SIZE		20.5-25-16PR(L3)	
BREAKOUT FORCE	lbf.	29,101	
	kgf.	13,200	

DL250

ITEMS		UNIT	STANDARD
WORKING RANGE	DUMP HEIGHT AT 45°	ft. in.	8' 11"
		mm	2,730
	DUMP REACH AT 45°	ft. in.	3' 11"
		mm	1,200
	MAX. DUMP ANGLE (FULLY RAISED)	°	46
	MAX. TILT ANGLE (ON GROUND)	°	42
	MAX. TILT ANGLE (FULLY RAISED)	°	62
	MAX. TILT ANGLE (AT CARRY)	°	48
	BUCKET HINGE HEIGHT	ft. in.	12' 9"
		mm	3,886
DIGGING DEPTH (0° LEVEL)	ft. in.	0' 2"	
	mm	60	
TRAVEL DIMENSIONS	OVERALL LENGTH	ft. in.	25' 3"
		mm	7,694
	OVERALL WIDTH	ft. in.	9' 0"
		mm	2,740
	OVERALL HEIGHT	ft. in.	10' 10"
		mm	3,290
	GROUND CLEARANCE	ft. in.	1' 5"
		mm	440
	WHEEL BASE	ft. in.	9' 11"
		mm	3,020
TREAD	ft. in.	6' 8"	
	mm	2,040	
MAX STEERING ANGLE		°	40
TURNING RADIUS (TIRE CENTER)	ft. in.	16' 11"	
	mm	5,166	
TURNING RADIUS (TIRE EDGE)	ft. in.	17' 11"	
	mm	5,450	
TURNING RADIUS (BUCKET EDGE)	ft. in.	19' 9"	
	mm	6,010	
SOUND LEVEL IN CABIN (ISO 6396)		dB(A)	72
EXTERNAL SOUND POWER LEVEL (ISO 6395, 2000/14/EC)		dB(A)	104
FUEL TANK CAPACITY	US gal.	67.4	
	Liter	255	

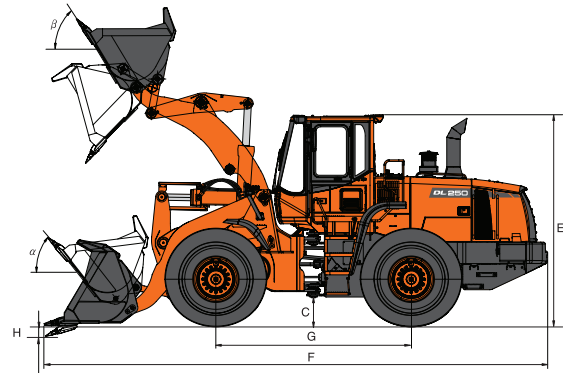
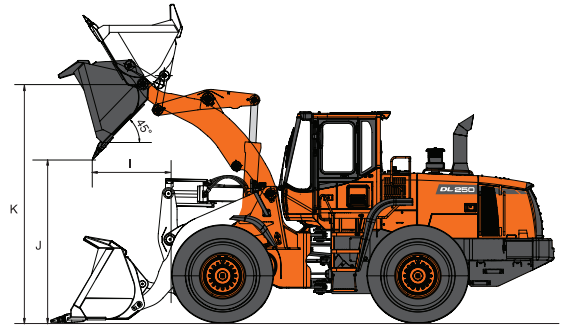
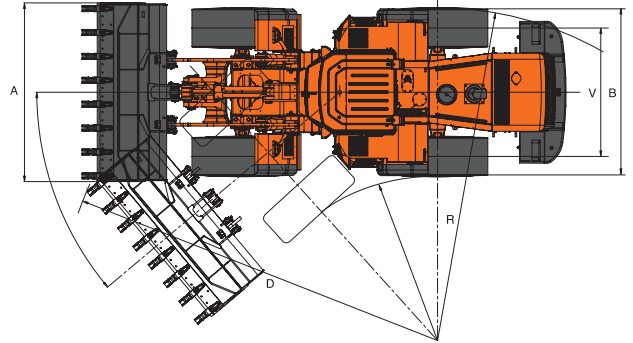


OPERATIONAL DATA

OPERATIONAL DATA						
LOADER TYPE		Z-BAR				
BUCKET MOUNT		PIN ON	PIN ON	PIN ON	PIN ON	PIN ON
CONFIGURATION	UNIT	TEETH	TEETH	BOLT-ON EDGE	BOLT-ON EDGE	TEETH
CAPACITY HEAPED ISO / SAE	yd. ³	3.1	3.3	3.5	3.3	3.4
	m ³	2.4	2.5	2.7	2.5	2.6
TOOTH TYPE		Intergrated tooth	Intergrated tooth	-	-	Intergrated tooth
BUCKET WIDTH	A	ft. in.	9'	9'	9' 4"	9'
		mm	2,740	2,740	2,838	2,740
BREAKOUT FORCE		lbf.	29,101	29,101	29,101	29,101
		kgf.	13,200	13,200	13,200	13,200
STATIC TIPPING LOAD (STRAIGHT)		lb.	26,949	26,896	26,793	26,707
		kg	12,224	12,200	12,153	12,114
STATIC TIPPING LOAD (AT FULL TURN)		lb.	22,530	22,490	22,400	22,320
		kg	10,221	10,200	10,159	10,124
DUMP HEIGHT (AT 45°) ¹ (AT FULLY RAISED)	J	ft. in.	8' 11"	8' 10"	8' 11"	9' 3"
		mm	2,721	2,700	2,721	2,813
DUMP REACH (AT 45°) ¹ (AT FULLY RAISED)	I	ft. in.	3' 11"	3' 11"	3' 11"	3' 7"
		mm	1,189	1,200	1,189	1,092
DIGGING DEPTH	H	ft. in.	4"	4"	4"	4"
		mm	90	90	90	90
HEIGHT AT BUCKET PIVOT POINT	K	ft. in.	12' 8"	12' 8"	12' 8"	12' 8"
		mm	3,856	3,856	3,856	3,856
MAX. TILT ANGLE AT CARRY POSITION	α	°	48	48	48	48
MAX. TILT ANGLE AT FULLY RAISED	β	°	62	62	62	62
MAX. TILT ANGLE ON GROUND		°	41	41	41	41
EXTERNAL RADIUS AT TIRE SIDE	R	ft. in.	18'	18'	18'	18'
		mm	5,477	5,477	5,477	5,477
EXTERNAL RADIUS AT BUCKET EDGE	D	ft. in.	19' 8"	19' 9"	19' 8"	19' 6"
		mm	5,997	6,010	5,997	5,942
WHEEL BASE	G	ft. in.	9' 11"	9' 11"	9' 11"	9' 11"
		mm	3,020	3,020	3,020	3,020
WIDTH AT TIRES	B	ft. in.	8' 7"	8' 7"	8' 7"	8' 7"
		mm	2,608	2,608	2,608	2,608
TREAD	V	ft. in.	6' 8"	6' 8"	6' 8"	6' 8"
		mm	2,040	2,040	2,040	2,040
GROUND CLEARANCE	C	ft. in.	1' 4"	1' 4"	1' 4"	1' 4"
		mm	410	410	410	410
OVERALL LENGTH	F	ft. in.	25' 2"	25' 3"	25' 2"	24' 8"
		mm	7,664	7,694	7,664	7,525
OVERALL HEIGHT	E	ft. in.	10' 8"	10' 8"	10' 8"	10' 8"
		mm	3,260	3,260	3,260	3,260
OPERATING WEIGHT		lb.	30,803	30,865	30,984	31,085
		kg	13,972	14,000	14,054	14,100

DL250

PIN ON		Z-BAR		HIGH LIFT	
BOLT-ON EDGE		QC ON	QC ON	QC ON	
BOLT-ON EDGE		TEETH	BOLT-ON EDGE	BOLT-ON EDGE	
3.7		3.3	3.4	3.4	
2.8		2.5	2.6	2.6	
-		Intergrated tooth	-	-	
9' 4"		9'	9'	9'	
2,838		2,740	2,740	2,740	
29,101		23,149	23,149	26,896	
13,200		10,500	10,500	12,200	
26,539		24,692	24,355	25,664	
12,038		11,200	11,038	11,641	
22,170		20,530	20,220	21,400	
10,057		9,310	9,170	9,706	
9' 3"		8' 4"	8' 8"	10' 9"	
2,813		2,549	2,641	3,273	
3' 7"		4' 6"	4' 2"	3' 8"	
1,092		1,367	1270	1120	
4"		2"	2"	0' 6"	
90		60	60	161	
12' 8"		12' 8"	12' 8"	14' 3"	
3,856		3,856	3,856	4,353	
48		47	47	49	
62		62	62	58	
41		44	44	42	
18'		18'	18'	18'	
5,477		5,477	5,477	5,477	
19' 6"		20' 5"	20' 2"	19' 9"	
5,942		6,220	6,145	6,010	
9' 11"		9' 11"	9' 11"	9' 11"	
3,020		3,020	3,020	3,020	
8' 7"		8' 7"	8' 7"	8' 7"	
2,608		2,608	2,608	2,608	
6' 8"		6' 8"	6' 8"	6' 8"	
2,040		2,040	2,040	2,040	
1' 4"		1' 4"	1' 4"	1' 4"	
410		410	410	410	
24' 8"		26'	25' 7"	26'	
7,525		7,929	7,792	7,928	
10' 8"		10' 8"	10' 8"	10' 8"	
3,260		3,260	3,260	3,260	
31,281		31,372	31,658	35,108	
14,189		14,230	14,360	14,564	





STANDARD EQUIPMENT

ENGINE:

DOOSAN DL06:

- Electronically Controlled Common Rail Direct Injected
- 360 cu.in., 6 Cylinder
163 SAE Gross Rated Horse Power @ 2,100 RPM

Air Cleaner:

- Dry Type (Double Stage)

Engine Self Diagnostic System

Plastic Reversible Fan Driven by Hydraulic Fan Motor

HYDRAULIC SYSTEM:

Triple Tandem Vane Hydraulic Pump 30.4/ 33.3/ 10.3 GPM

2 Spool Type Control Valve (Pilot Operated)

3rd Valve with Lines & Control (lines terminate at boom base)

Automatic Boom / Lift - Kick-Out (Adjustable Electro-Magnetic)

Automatic Return-to-Dig Position (Adjustable Electro-Magnetic)

Accumulator for Emergency Pilot System

BRAKE SYSTEM:

Dual Pedal Braking System

4 Wheel Outboard Wet Disc Brakes with Separate Front & Rear Circuits

Accumulator for Emergency Stopping

Parking Brake:

- Spring Apply Hydraulic Release on Output Shaft of Transmission

STEERING:

EHPS (Electro Hydraulic power steering) with Integrated Priority Valve

40 Degree Articulation, Fully Hydraulic Power Steering

Cylinder Cushion Valve

Tilt and Telescopic Steering Wheel

CAB WITH ROPS:

Air Conditioner

Heater & Defroster

Double Filtered Air Cab

Combination Lever

Accelerator Pedal

Transmission Lever (controls gear shifting in manual mode)

Rear Hinged & Locking Doors (Both sides) / Right side is emergency access door

Radio, Stereo

Switches:

- 1 Manual Mode
- 2 Automatic Shift Modes (1-4 & 2-4 w/ kick down to 1st)
- Economy Mode Switch (Power & Economy Modes)
- Headlight Switch
- Front Work Light Switch
- Rear Work Light Switch
- Rear Wiper Switch
- Pilot Cutoff Switch
- Parking Brake Switch
- Transmission Cutoff Switch
- Mirror Heater Switch
- Reverse Fan Switch
- Engine Diagnostic Switch

Rear View Mirrors with Heat Wire

Safety Glass, Tinted

Fully Adjustable Suspension Seat

Seat Belt (2 Wide)

Sliding Door Windows (Left Side)

Sound Suppression

Sun Visor

Windshield Wipers & Washers - Front & Rear

Digital Clock

Wrist Rest

12V Power Supply

Cup Holder

Cigar Lighter

TRANSMISSION / AXLES:

Full Automatic Power Shift

4 Forward & 3 Reverse Speeds

Differentials - Limited Slip Front & Rear

Self Adjusting Brake Disc Clearance

Torque Converter, Single Stage, 3-Phase, 3-Element

Electrical T/M Clutch Disconnect with Service Brake

T/M Down Shift on Shift Control and Joystick Control

Transmission Oil Level Gauge

ELECTRICAL:

Alternator, 60 Amp., 24 Volt

Batteries, (2) 12 Volt, 100 Amp. Hrs. 750 CCA

Starter, 24 Volt Direct Drive 4.5 KW

Horn

Hour Meter

Lights:

- (2) Front Headlights with High / Low Beams
- (2) Stop Lights, Tail Lights & Directional Indicators
- (2) Front & Rear Floodlights

Alarm Buzzer for:

- Transmission Overheat
- Engine Oil Pressure
- Coolant Temperature

Electronic Monitoring & Display for:

- Fuel Level Gauge
- Speedometer
- Tachometer
- Engine Coolant Temperature Gauge
- Transmission Oil Temperature Gauge
- Transmission Display
- Preheat Indicator Light
- Air Cleaner Clogging Warning Light
- Battery Warning Light
- Left Turn and Hazard Warning Light
- Right Turn and Hazard Warning Light
- High Beam Indicator Light
- Work Light Indicator Light
- Reverse Fan Indicator Light
- Mirror Heater Indicator Light
- Parking Brake Indicator Light
- F/R (Forward/Reverse) Selector Indicator Light
- Brake Fluid Pressure Warning Light
- Engine Warning Light

Back-Up Alarm

Hazard Warning Light Switch

TIRES:

Bias 20.5-25-16PR L3 Kumho-Hankook

OTHER STANDARD EQUIPMENT:

Single Lever Control with FNR Control Buttons

Air Cleaner with Pre-cleaner

Engine Side Covers

Boom / Float

Drawbar and Pin

Neutral Safety Start System

Muffler

Fenders, Front & Rear

Ladders & Service Platforms

Manuals, Parts & Operator's

GPS with 1 Year Subscription



OPTIONAL EQUIPMENT

TIRES & RIMS - FACTORY INSTALLED

20.5R25 L3 Radial Triangle or Bridgestone

DOOSAN BUCKET - FACTORY INSTALLED

3.2 yd³ GP Pin On 108" Width w/ 3pc. Cutting Edge

FACTORY INSTALLED OPTIONS

Air Suspension Seat

Additional Counterweight 550 lb.

Emergency Steering Kit

Load Isolation / Ride Control

Full Fender

DEALER INSTALLED OPTIONS

Auxiliary Line Kit Down the Boom Arms

3" Seat Belt

DEALER INSTALLED DOOSAN ATTACHMENTS

3.5 yd³ Pin On Bucket 108" with Bolt on Teeth

3.5 yd³ Pin On Bucket 108" with Bolt on Cutting Edge

3.5 yd³ Quick Coupler Bucket 108" with Bolt on Teeth

3.5 yd³ Quick Coupler Bucket 108" with Bolt on Cutting Edge

5.0 yd³ Pin On Bucket 120" with Bolt on Cutting Edge

5.0 yd³ Quick Coupler Bucket 120" with Bolt on Cutting Edge

3.25 yd³ Pin On Bucket 108" with Bolt on Teeth

3.25 yd³ Pin On Bucket 108" with Bolt on Cutting Edge

3.25 yd³ Quick Coupler Bucket 108" with Bolt on Teeth

3.25 yd³ Quick Coupler Bucket 108" with Bolt on Cutting Edge

DEALER INSTALLED DOOSAN QUICK COUPLER

DL250 Hydraulic Quick Coupler

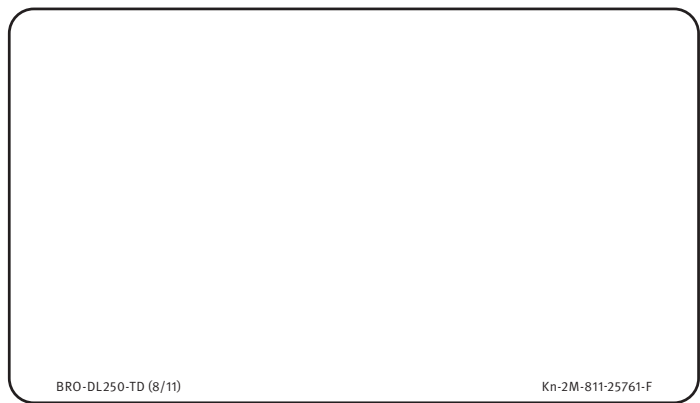
DEALER INSTALLED DOOSAN PALLET FORKS

48" Pallet Forks

60" Pallet Forks

NOTES

A large grid of graph paper for taking notes, consisting of 25 columns and 30 rows of small squares.



BRO-DL250-TD (8/11)

Kn-2M-811-25761-F

For more information visit www.doosanequipment.com



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