



# DL200 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	143 / 2,100
		kW / rpm	107 / 2,100
	RATED FLYWHEEL POWER (NET) (SAE J1349)	hp / rpm	137 / 2,100
		kW / rpm	102 / 2,100
	MAX. TORQUE (GROSS) (SAE J1995)	ft. lb.	506 @ 1,400 rpm
		Nm	686 @ 1,400 rpm
	PISTON DISPLACEMENT	in. <sup>3</sup>	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.	24,912
		kg	11,300
BUCKET CAPACITY (BOT/BOC SAE HEAPED)		yd. <sup>3</sup>	2.5 / 2.6
		m <sup>3</sup>	1.9 / 2.0
MAIN PUMPS		US gpm	23.2 / 23.2 / 8.5
		L / min.	88 / 88 / 32
SYSTEM PRESSURE (WORK)		psi	2,901
		bar	200
SYSTEM PRESSURE (STEER)		psi	2,538
		bar	175
TRAVEL SPEED	FORWARD (1 / 2 / 3 / 4)	mph	3.9 / 7.5 / 14.0 / 21.7
		km / h.	6.2 / 12.1 / 22.6 / 35
	REVERSE (1 / 2 / 3)	mph	4.5 / 8.1 / 15.5
		km / h.	7.2 / 13.0 / 25.0
BOOM SPEED	UP (LOADED)	sec.	6.1 ± 0.5
	UP (UNLOADED)	sec.	5.8 ± 0.5
	DOWN	sec.	4.1 ± 0.5
BUCKET SPEED	CROWD (LOADED)	sec.	1.2 ± 0.5
	CROWD (UNLOADED)	sec.	1.2 ± 0.5
	DUMP	sec.	1.1 ± 0.5
GRADEABILITY		%	58
		°	30
TIRE SIZE			20.5-25-16PR(L3)
BREAKOUT FORCE		lbf.	23,149
		kgf.	10,500

ITEMS		UNIT	STANDARD
WORKING RANGE	DUMP HEIGHT AT 45°	ft. in.	9'
		mm	2,745
	DUMP REACH AT 45°	ft. in.	3' 2"
		mm	970
	MAX. DUMP ANGLE (FULLY RAISED)	°	49
	MAX. TILT ANGLE (ON GROUND)	°	41
	MAX. TILT ANGLE (FULLY RAISED)	°	63
	MAX. TILT ANGLE (AT CARRY)	°	47
	BUCKET HINGE HEIGHT	ft. in.	12' 7"
		mm	3,845
	DIGGING DEPTH (0° LEVEL)	ft. in.	0' 3"
		mm	75
TRAVEL DIMENSIONS	OVERALL LENGTH	ft. in.	23' 11"
		mm	7,285
	OVERALL WIDTH	ft. in.	8' 4"
		mm	2,550
	OVERALL HEIGHT	ft. in.	10' 8"
		mm	3,255
	GROUND CLEARANCE	ft. in.	1' 6"
		mm	460
	WHEEL BASE	ft. in.	9' 6"
		mm	2,900
TREAD	ft. in.	6' 4"	
	mm	1,930	
MAX STEERING ANGLE		°	40
TURNING RADIUS (TIRE CENTER)		ft. in.	16' 11"
		mm	5,166
TURNING RADIUS (TIRE EDGE)		ft. in.	17'
		mm	5,185
TURNING RADIUS (BUCKET EDGE)		ft. in.	18' 5"
		mm	5,610
SOUND LEVEL IN CABIN (ISO 6396)		dB(A)	70
EXTERNAL SOUND POWER LEVEL (ISO 6395, 2000/14/EC)		dB(A)	103
FUEL TANK CAPACITY		US gal.	74
		Liter	280

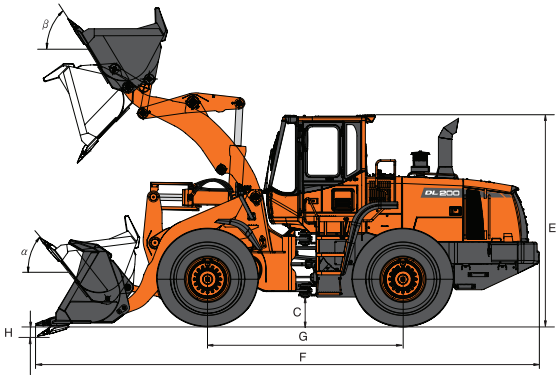
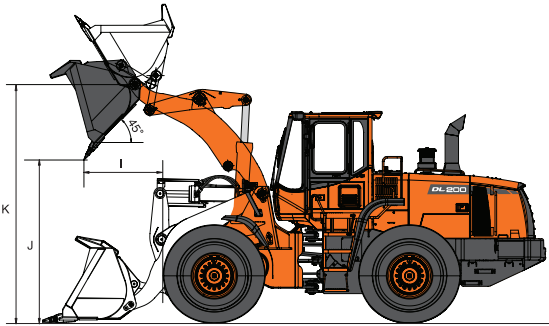
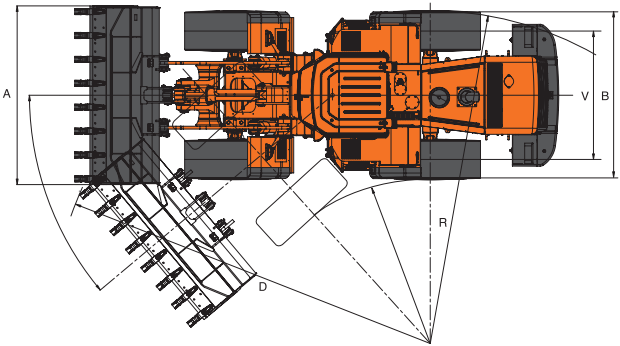


## OPERATIONAL DATA

OPERATIONAL DATA							
LOADER TYPE			Z-BAR				
BUCKET MOUNT			PIN ON	PIN ON	PIN ON	PIN ON	QC ON
CONFIGURATION	UNIT		TEETH (BOT)	TEETH (BOT)	BOLT-ON EDGE (BOC)	BOLT-ON EDGE (BOC)	TEETH (BOT)
CAPACITY HEAPED ISO / SAE	yd. <sup>3</sup>		2.4	2.5		2.6	2.5
	m <sup>3</sup>		1.8	1.9	1.9	2.0	1.9
TOOTH TYPE			Intergrated tooth	Intergrated tooth	-	-	Intergrated tooth
BUCKET WIDTH	A	ft. in.	8' 1"	8' 4"	8' 1"	8' 4"	8' 4"
		mm	2,470	2,550	2,470	2,550	2,550
BREAKOUT FORCE		lbf.	23,149	23,149	23,149	23,149	23,149
		kgf.	10,500	10,500	10,500	10,500	10,500
STATIC TIPPING LOAD (STRAIGHT)		lb.	19,037	19,560	18,860	19,370	18,650
		kg	8,635	8,870	8,554	8,786	8,461
STATIC TIPPING LOAD (AT FULL TURN)		lb.	16,213	16,670	16,060	16,510	15,873
		kg	7,354	7,560	7,283	7,487	7,200
DUMP HEIGHT (AT 45°) <sup>1</sup> (AT FULLY RAISED)	J	ft. in.	8' 11"	8' 11"	9' 2"	9' 2"	8' 7"
		mm	2,730	2,730	2,800	2,800	2,619
DUMP REACH (AT 45°) <sup>1</sup> (AT FULLY RAISED)	I	ft. in.	3' 8"	3' 3"	3' 5"	3' 1"	3' 7"
		mm	1,110	1,000	1,050	940	1099
DIGGING DEPTH	H	ft. in.	3"	0' 4"	3"	0' 4"	0' 4"
		mm	70	90	70	90	90
HEIGHT AT BUCKET PIVOT POINT	K	ft. in.	12' 4"	12' 7"	12' 4"	12' 7"	12' 7"
		mm	3,765	3,830	3,765	3,830	3,830
MAX. TILT ANGLE AT CARRY POSITION	α	°	47	47	47	47	45
MAX. TILT ANGLE AT FULLY RAISED	β	°	63	63	63	63	65
MAX. TILT ANGLE ON GROUND		°	41	41	41	41	43
EXTERNAL RADIUS AT TIRE SIDE	R	ft. in.	17' 1"	17' 1"	17' 1"	17' 1"	17' 1"
		mm	5,210	5,210	5,210	5,210	5,210
EXTERNAL RADIUS AT BUCKET EDGE	D	ft. in.	18' 3"	18' 5"	18' 2"	18' 3"	18' 5"
		mm	5,565	5,610	5,526	5,570	5,610
WHEEL BASE	G	ft. in.	9' 6"	9' 6"	9' 6"	9' 6"	9' 6"
		mm	2,900	2,900	2,900	2,900	2,900
WIDTH AT TIRES	B	ft. in.	8' 1"	8' 1"	8' 1"	8' 1"	8' 1"
		mm	2,460	2,460	2,460	2,460	2,460
TREAD	V	ft. in.	6' 4"	6' 4"	6' 4"	6' 4"	6' 4"
		mm	1,930	1,930	1,930	1,930	1,930
GROUND CLEARANCE	C	ft. in.	1' 3"	1' 6"	1' 3"	1' 6"	1' 6"
		mm	380	445	380	445	445
OVERALL LENGTH	F	ft. in.	23' 10"	23' 11"	23' 6"	23' 7"	24' 4"
		mm	7,261	7,285	7,166	7,190	7,417
OVERALL HEIGHT	E	ft. in.	10' 5"	10' 8"	10' 5"	10' 8"	10' 8"
		mm	3,175	3,240	3,175	3,240	3,240
OPERATING WEIGHT		lb.	24,908	25,670	25,090	25,850	26,420
		kg	11,298	11,643	11,379	11,724	11,985

# DL200

	HIGH LIFT
QC ON	PIN ON
BOLT-ON EDGE (BOC)	BOLT-ON EDGE (BOC)
2.6	2.6
2	2
-	-
8' 4"	8' 4"
2,550	2,550
23,149	22,050
10,500	10,000
18,470	16,790
8,380	7,618
15,719	14,661
7,130	6,650
8' 10"	10' 4"
2,686	3,140
3' 5"	3' 3"
1035	1000
0' 4"	0' 10"
90	250
12' 7"	13' 9"
3,830	4,184
45	51
65	58
43	45
17' 1"	17' 1"
5,210	5,210
18' 3"	18' 8"
5,570	5,697
9' 6"	9' 6"
2,900	2,900
8' 1"	8' 1"
2,460	2,460
6' 4"	6' 4"
1,930	1,930
1' 6"	1' 6"
445	445
24' 0"	24' 11"
7,322	7,587
10' 8"	10' 8"
3,240	3,240
26,600	26,320
12,066	11,940





## STANDARD EQUIPMENT

### ENGINE

DOOSAN DL06:

- Turbo-Charged and After Cooled

Electronically Controlled Common Rail Direct Injected

360 cu.in., 6 Cylinder

143 SAE Gross Flywheel Horsepower @ 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 Gear Pump 23.2/23.2/8.5 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 Inboard Wet Disc Brakes (Outboard Planetary)

Fully Hydraulic, 4-Wheel Brakes with Separate Front & Rear Circuits

Accumulator for Emergency Stopping

Parking Brake:

- Oil Released, Spring Apply Hydraulic Release on Front Axle

### 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 (turn signals, front wiper control, horn, and high/low beam control)

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/ kickdown 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 Torque Proportioning, Front & Rear

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

Electrical T/M Clutch Disconnect with Service Brake

T/M Down Shift on Shift Control & Joystick Control

Transmission Oil Level Site 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
- Parking Brake Indicator Light
- Brake Fluid Pressure Warning Light
- Engine Warning Light

Back-Up Alarm

Hazard Warning Light Switch

## TIRES

Bias 20.5-25 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 Triangle or Bridgestone

### DOOSAN BUCKET - FACTORY INSTALLED

2.5 yd<sup>3</sup> GP Pin On 100" Width with 3pc. Cutting Edge

### FACTORY INSTALLED OPTIONS

Air Suspension Seat

Additional Counterweight 440 lb. (200 kg)

Emergency Steering Kit

Load Isolation / Ride Control

Full Fender

Axles with Limited Slip Differentials

### DEALER INSTALLED OPTIONS

Auxiliary Line Kit Down the Boom Arms

3" Seat Belt

### DEALER INSTALLED DOOSAN BUCKETS

2.5 yd<sup>3</sup> GP Pin On Bucket 100.5" with Bolt on Teeth

2.5 yd<sup>3</sup> GP Quick Coupler Bucket 100.5" with Bolt on Teeth

2.5 yd<sup>3</sup> GP Quick Coupler Bucket 100.5" with Bolt on Cutting Edge

4.0 yd<sup>3</sup> LM Pin On Bucket 114" with Bolt on Teeth

4.0 yd<sup>3</sup> LM Quick Coupler Bucket 114" with Bolt on Cutting Edge

2.5 yd<sup>3</sup> MP Pin On Bucket 100.5" with Bolt on Teeth

2.5 yd<sup>3</sup> MP Pin On Bucket 100.5" with Bolt on Cutting Edge

2.5 yd<sup>3</sup> MP Quick Coupler Bucket 100.5" with Bolt on Teeth

2.5 yd<sup>3</sup> MP Quick Coupler Bucket 100.5" with Bolt on Cutting Edge

### DEALER INSTALLED DOOSAN QUICK COUPLER

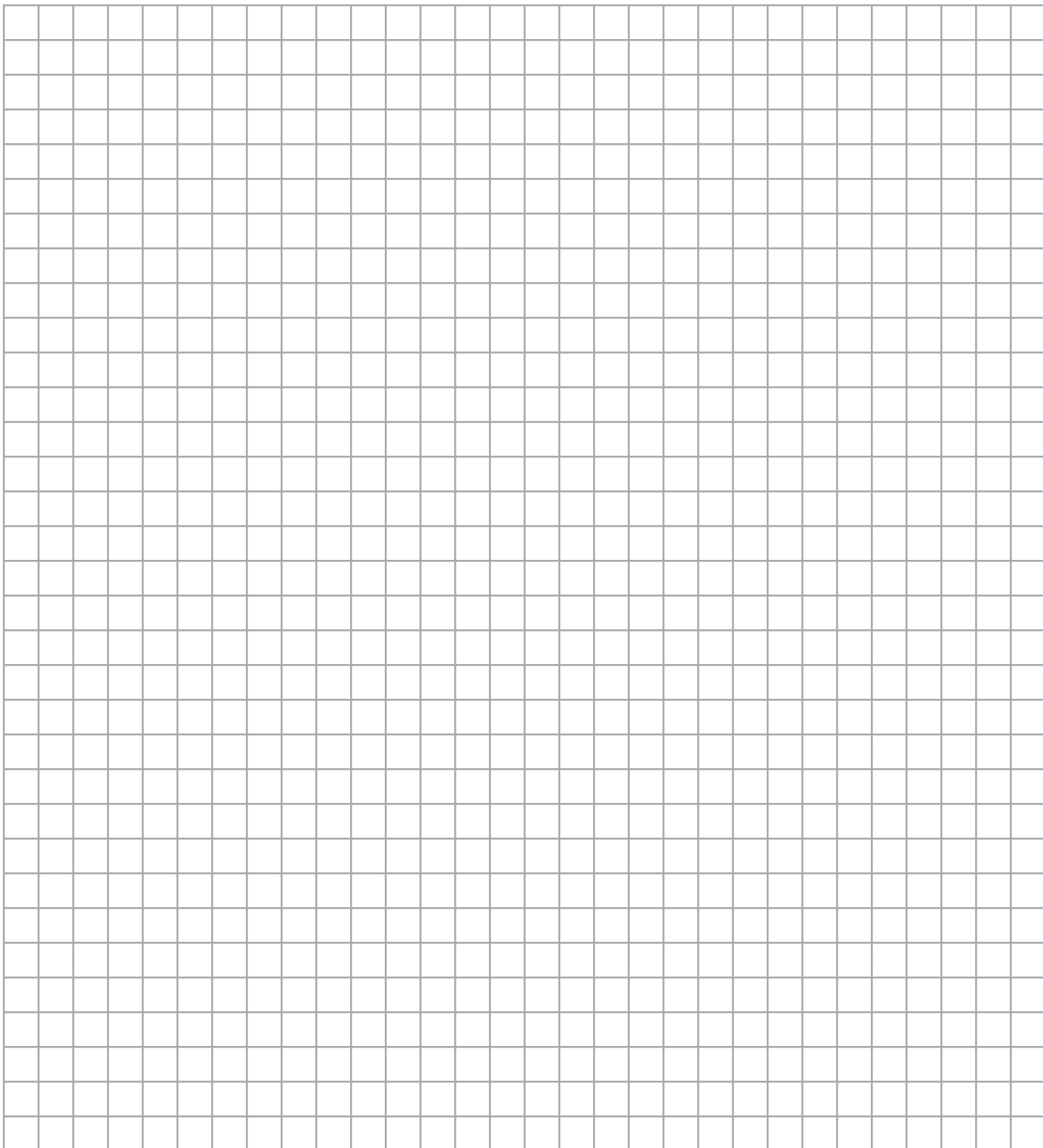
DL200 Hydraulic Quick Coupler

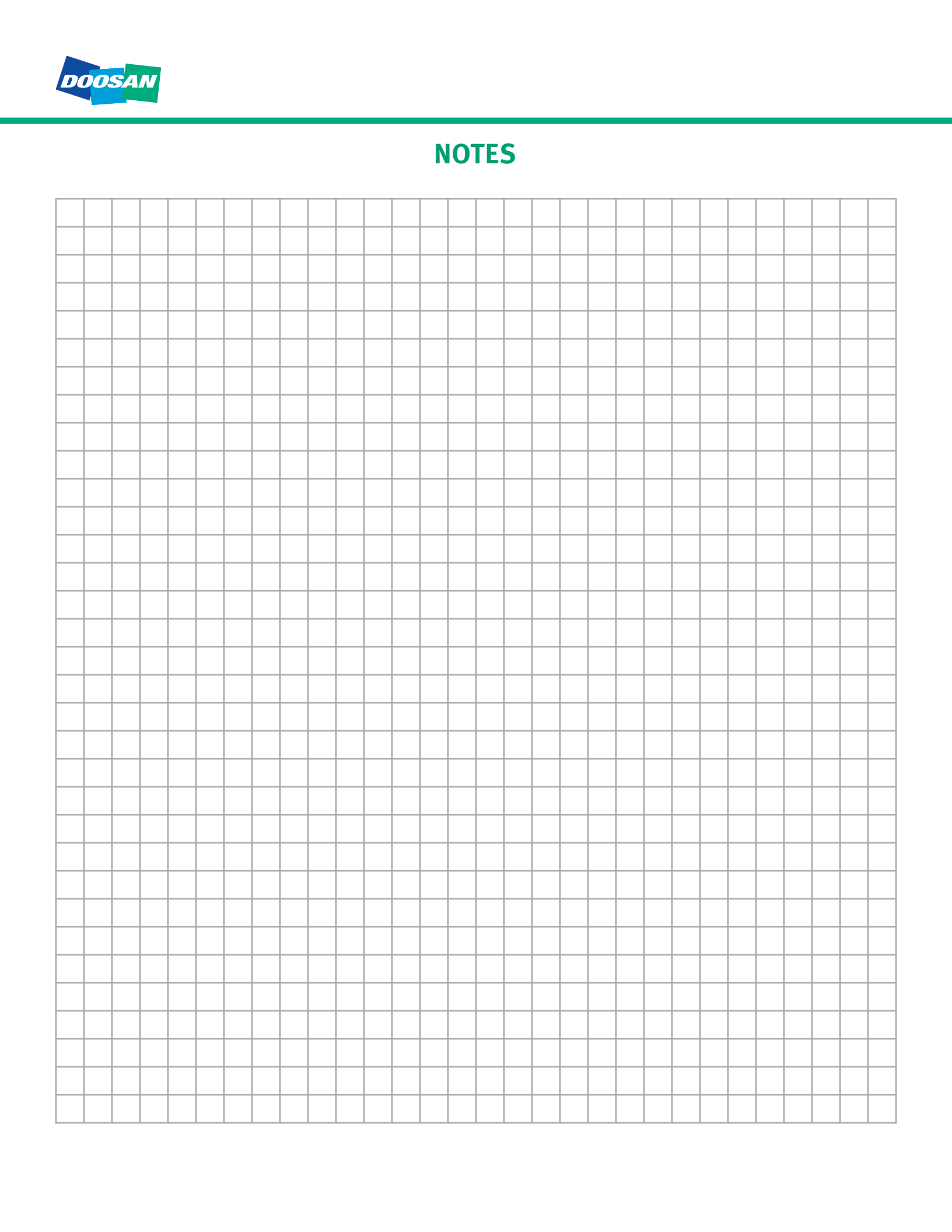
### DEALER INSTALLED DOOSAN PALLET FORKS

48" Pallet Forks

60" Pallet Forks

## NOTES



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# NOTES

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BRO-DL200-TD (8/11)

Kn-2M-811-25942-F

For more information visit [www.doosanequipment.com](http://www.doosanequipment.com)



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