



# DX210W TECHNICAL DATA





## GENERAL SPECIFICATIONS

ITEMS		UNIT	STANDARD
ENGINE	MODEL		Doosan DL06 Diesel, Tier III Certified
	NUMBER OF CYLINDERS		6
	RATED FLYWHEEL POWER (hp PER SAE J1995) GROSS	hp / rpm	170 / 2,000
		kW / rpm	127 / 2,000
	RATED FLYWHEEL POWER (hp PER SAE J1349) NET	hp / rpm	161.2 / 2,000
		kW / rpm	120 / 2,000
	MAXIMUM TORQUE (GROSS) (SAE J1995)	ft. lb. / rpm	543 / 1,400
		Nm / rpm	736 / 1,400
	PISTON DISPLACEMENT	in. <sup>3</sup>	359
		cc	5,890
	BORE AND STROKE	in. x in.	3.9 x 4.9
mm x mm		100 x 125	
STARTER	V / kW	24 V, 4.5 kW	
BATTERIES	V / AH	2 x 12 V x 100 AH	
AIR CLEANER		Double element with auto dust evacuation.	
MAIN PUMPS – 2 VARIABLE DISPLACEMENT AXIAL PISTON PUMPS MAX FLOW	US gpm	2 x 61.2	
	L / min.	2 x 231.7	
PILOT PUMP (GEAR DESIGN)	MAXIMUM FLOW	US gpm	7.2
		L / min.	27.4
	RELIEF PRESSURE	psi	569
		bar	39
MAXIMUM SYSTEM PRESSURE	BOOM/ARM/BUCKET (NORMAL MODE)	psi	4,694
		bar	324
	BOOM/ARM/BUCKET (POWER MODE)	psi	4,978
		bar	343
	TRAVEL	psi	4,978
		bar	343
SWING	psi	3,840	
	bar	265	
ENVIRONMENT	SOUND LEVEL (2000/14/EC)	dB(A)	103
	CABIN SOUND LEVEL (ISO 6396)	dB(A)	74
SWING MECHANISM	SWING SPEED	rpm	0 - 11
DRIVE SYSTEM	TRAVEL SPEED (FAST/SLOW)	mph	22.4
		km / h.	36
	DRAWBAR PULL	lb.	27,172
		kg	12,325
	MAXIMUM GRADE	%	60
		°	31

# DX210W

ITEMS		UNIT	STANDARD
REFILL CAPACITIES	FUEL TANK	US gal.	92.5
		L	350
	COOLING SYSTEM (RADIATOR CAPACITY)	qt.	25.4
		L	24
	ENGINE OIL	qt.	28.5
		L	27
	SWING DRIVE	qt.	4
		L	3.8
	FRONT AXLE	qt.	2.6
		L	2.5
	REAR AXLE	qt.	2.6
		L	2.5
	TRANSMISSION	qt.	2.6
		L	2.5
	HYDRAULIC SYSTEM	US gal.	74
		L	280
	HYDRAULIC TANK	US gal.	54.2
		L	205

## WEIGHT

<b>BOOM</b>	18' 4" (5,600 mm) One-Piece or 12' 7" + 6' 4" (3,840 mm + 1,920 mm) Two-Piece		
<b>ARM</b>	9' 10" (3,000 mm) Arm for One-Piece Boom or 7' 10" (2,400 mm) Arm for Two-Piece Boom		
<b>BUCKET</b>	1.13 yd. <sup>3</sup> (0.86 m <sup>3</sup> )		
UNDERCARRIAGE TYPE		OPERATING WEIGHT (ONE-PIECE BOOM)	OPERATING WEIGHT (TWO-PIECE BOOM)
FRONT ATTACHMENT	REAR ATTACHMENT		
OUTRIGGER	DOZER	45,761 lb. (20,757 kg)	45,107 lb. (20,460 kg)
DOZER	OUTRIGGER	45,667 lb. (20,714 kg)	45,012 lb. (20,417 kg)
OUTRIGGER	OUTRIGGER	46,074 lb. (20,899 kg)	45,420 lb. (20,602 kg)



## HYDRAULIC CYLINDERS

The piston rods and cylinder bodies are made of high-strength steel. A shock absorbing mechanism is fitted in all cylinders to ensure shock-free operation and extend piston life.

ONE-PIECE BOOM		
CYLINDERS	QUANTITY	BORE x ROD DIAMETER x STROKE
BOOM	2	4.7" x 3.3" x 4' (120 x 85 x 1,225 mm)
ARM (SHORT)	1	5.3" x 3.7" x 4' 9" (135 x 95 x 1,450 mm)
BUCKET	1	4.7" x 3.2" x 3' 6" (120 x 80 x 1,060 mm)
TWO-PIECE BOOM		
CYLINDERS	QUANTITY	BORE x ROD DIAMETER x STROKE
BOOM	2	4.7" x 3.3" x 3' 5" (120 x 85 x 1,045 mm)
TWO-PIECE BOOM	1	6.7" x 4.1" x 2' 5" (170 x 105 x 748 mm)
ARM (LONG)	1	5.3" x 3.7" x 5' 1" (135 x 95 x 1,538 mm)
BUCKET	1	4.7" x 3.2" x 3' 6" (120 x 80 x 1,060 mm)

## BUCKET

CAPACITY		WIDTH		WEIGHT	RECOMMENDATIONS				
					18' 4" (5,600 mm) ONE-PIECE BOOM			17' 9" (5,400 mm) TWO-PIECE BOOM	
SAE, HEAPED	CECE, HEAPED	WITHOUT SIDE CUTTERS	WITH SIDE CUTTERS		6' 7" (2,000 mm) ARM	7' 10" (2,400 mm) ARM	9' 10" (3,000 mm) ARM	6' 7" (2,000 mm) ARM	7' 10" (2,400 mm) ARM
0.67 yd. <sup>3</sup> (0.51 m <sup>3</sup> )	0.61 yd. <sup>3</sup> (0.47 m <sup>3</sup> )	28.4" (722 mm)	30.4" (772 mm)	1,168 lb. (530 kg)	A	A	A	A	A
1.06 yd. <sup>3</sup> (0.81 m <sup>3</sup> )	0.94 yd. <sup>3</sup> (0.72 m <sup>3</sup> )	41.9" (1,064 mm)	44.3" (1,126 mm)	1,444 lb. (655 kg)	A	A	B	A	B
1.13 yd. <sup>3</sup> (0.86 m <sup>3</sup> )	0.99 yd. <sup>3</sup> (0.76 m <sup>3</sup> )	43.9" (1,115 mm)	46.4" (1,178 mm)	1,488 lb. (675 kg)	A	B	B	B	B
1.37 yd. <sup>3</sup> (1.05 m <sup>3</sup> )	1.20 yd. <sup>3</sup> (0.92 m <sup>3</sup> )	51.5" (1,308 mm)	53.9" (1,370 mm)	1,631 lb. (740 kg)	B	C	-	C	-
1.53 yd. <sup>3</sup> (1.17 m <sup>3</sup> )	1.31 yd. <sup>3</sup> (1.0 m <sup>3</sup> )	56.2" (1,428 mm)	58.7" (1,491 mm)	1,753 lb. (795 kg)	C	-	-	-	-
1.67 yd. <sup>3</sup> (1.28 m <sup>3</sup> )	1.44 yd. <sup>3</sup> (1.10 m <sup>3</sup> )	60.7" (1,542 mm)	63.2" (1,605 mm)	1,830 lb. (830 kg)	C	-	-	-	-

A. Suitable for materials with density of 3,370 lb./yd.<sup>3</sup> (2,000 kg•m<sup>3</sup>) or less

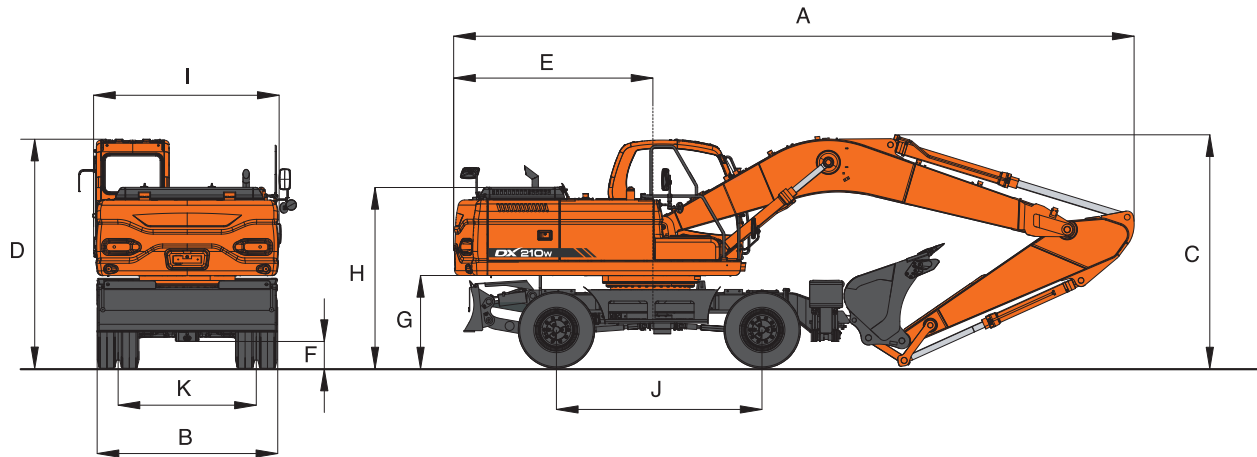
B. Suitable for materials with density of 2,700 lb./yd.<sup>3</sup> (1,600 kg•m<sup>3</sup>) or less

C. Suitable for materials with density of 1,850 lb./yd.<sup>3</sup> (1,100 kg•m<sup>3</sup>) or less



# DX210W

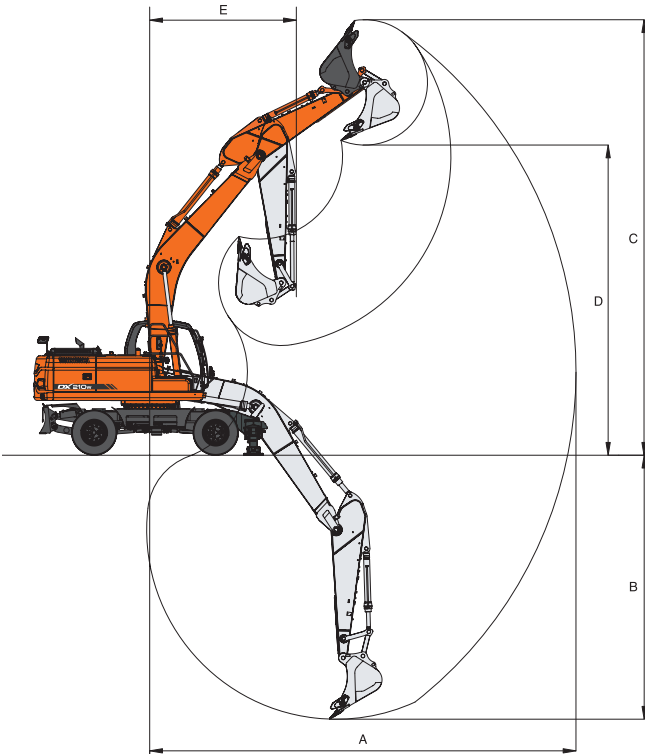
## DIMENSIONS



ONE-PIECE BOOM				
BOOM TYPE		18' 4" (5,600 mm)		
ARM TYPE		6' 7" (2,000 mm)	7' 10" (2,400 mm)	9' 10" (3,000 mm)
SHIPPING LENGTH	A	31' 3" (9,520 mm)	31' 1" (9,470 mm)	30' 10" (9,400 mm)
SHIPPING WIDTH	B	8' 2" (2,500 mm)	←	←
SHIPPING HEIGHT (BOOM)	C	10' 8" (3,250 mm)	10' 6" (3,200 mm)	11' 5" (3,490 mm)
HEIGHT OVER CAB.	D	10' 4" (3,140 mm)	←	←
C/WEIGHT SWING CLEARANCE	E	9' (2,750 mm)	←	←
GROUND CLEARANCE	F	1' 2" (350 mm)	←	←
COUNTER WEIGHT CLEARANCE	G	4' 2" (1,259 mm)	←	←
ENGINE COVER HEIGHT	H	8' 2" (2,485 mm)	←	←
UPPER HOUSING WIDTH	I	8' 4" (2,530 mm)	←	←
WHEEL BASE	J	9' 4" (2,850 mm)	←	←
TREAD WIDTH	K	6' 3" (1,914 mm)	←	←

TWO-PIECE BOOM				
BOOM TYPE		17' 9" (5,400 mm)		
ARM TYPE		6' 7" (2,000 mm)	7' 10" (2,400 mm)	
SHIPPING LENGTH	A	30' 5" (9,275 mm)	30' 3" (9,210 mm)	
SHIPPING WIDTH	B	8' 2" (2,500 mm)	←	
SHIPPING HEIGHT (BOOM)	C	10' 4" (3,140 mm)	←	
HEIGHT OVER CAB.	D	10' 4" (3,140 mm)	←	
C/WEIGHT SWING CLEARANCE	E	9' (2,750 mm)	←	
GROUND CLEARANCE	F	1' 2" (350 mm)	←	
COUNTER WEIGHT CLEARANCE	G	4' 2" (1,259 mm)	←	
ENGINE COVER HEIGHT	H	8' 2" (2,485 mm)	←	
UPPER HOUSING WIDTH	I	8' 4" (2,530 mm)	←	
WHEEL BASE	J	9' 4" (2,850 mm)	←	
TREAD WIDTH	K	6' 3" (1,914 mm)	←	

## WORKING RANGE



ONE-PIECE BOOM				
BOOM TYPE		18' 4" (5,600 mm)		
ARM TYPE		6' 7" (2,000 mm)	7' 10" (2,400 mm)	9' 10" (3,000 mm)
MAX. DIGGING RADIUS	A	29' 8" (9,050 mm)	30' 11" (9,430 mm)	32' 10" (10,000 mm)
MAX. DIGGING DEPTH	B	17' 3" (5,255 mm)	18' 7" (5,655 mm)	20' 6" (6,255 mm)
MAX. DIGGING HEIGHT	C	30' 11" (9,435 mm)	31' 9" (9,690 mm)	32' 12" (10,050 mm)
MAX. DUMP HEIGHT	D	21' 10" (6,650 mm)	22' 7" (6,890 mm)	23' 9" (7,250 mm)
MIN. SWING RADIUS	E	12' 1" (3,680 mm)	11' 1" (3,390 mm)	11' 3" (3,440 mm)

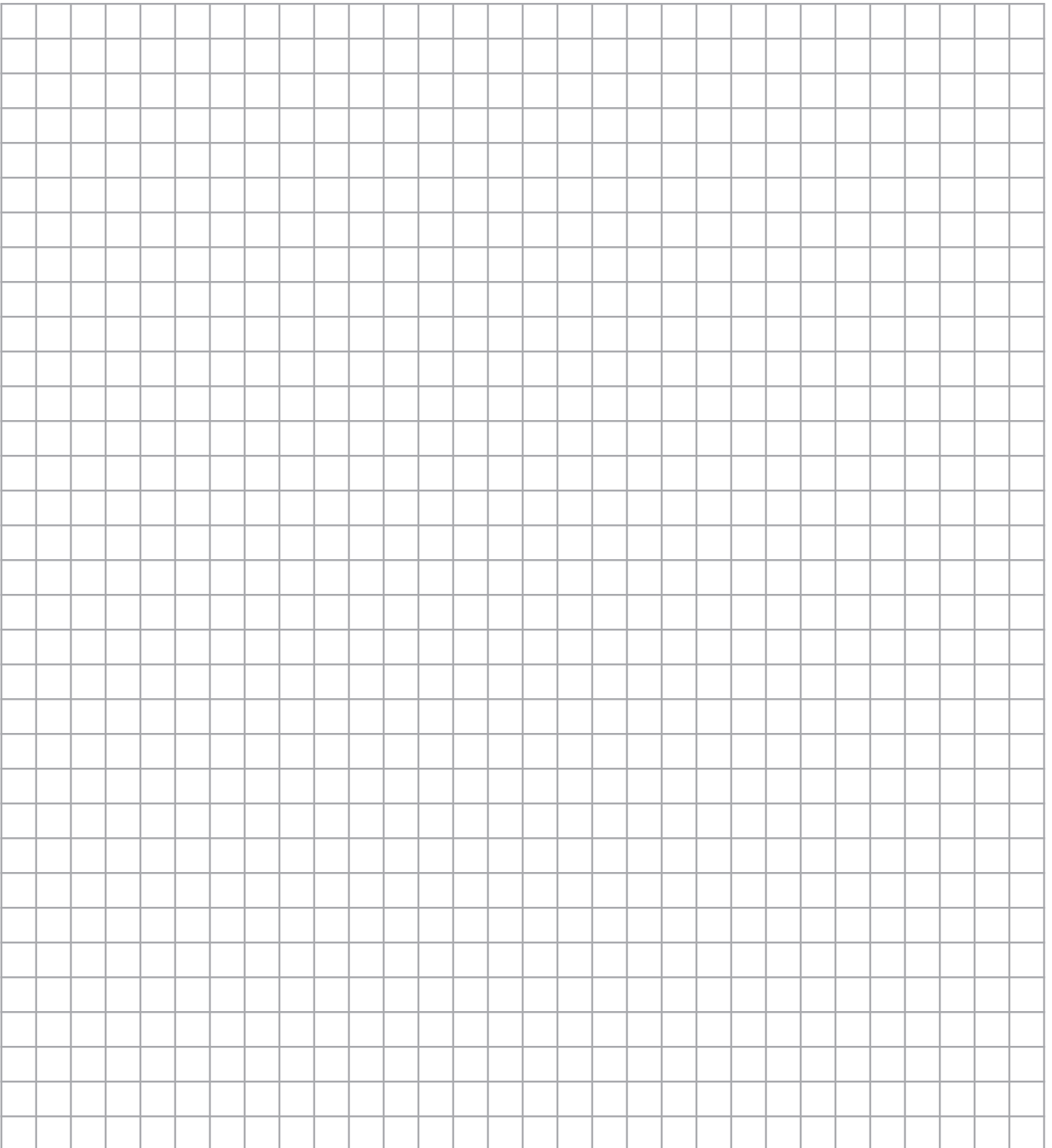
TWO-PIECE BOOM			
BOOM TYPE		17' 9" (5,400 mm)	
ARM TYPE		6' 7" (2,000 mm)	7' 10" (2,400 mm)
MAX. DIGGING RADIUS	A	29' 7" (9,005 mm)	30' 10" (9,405 mm)
MAX. DIGGING DEPTH	B	17' 2" (5,225 mm)	18' 5" (5,625 mm)
MAX. DIGGING HEIGHT	C	33' 6" (10,210 mm)	34' 6" (10,560 mm)
MAX. DUMP HEIGHT	D	23' 10" (7,275 mm)	25' (7,620 mm)
MIN. SWING RADIUS	E	11' 1" (3,380 mm)	10' 5" (3,185 mm)

## DIGGING FORCE (ISO)

BUCKET (PCSA)	0.67 yd. <sup>3</sup> (0.51 m <sup>3</sup> )	1.06 yd. <sup>3</sup> (0.81 m <sup>3</sup> )	1.13 yd. <sup>3</sup> (0.86 m <sup>3</sup> )	1.37 yd. <sup>3</sup> (1.05 m <sup>3</sup> )	1.53 yd. <sup>3</sup> (1.17 m <sup>3</sup> )	1.67 yd. <sup>3</sup> (1.28 m <sup>3</sup> )
DIGGING FORCE	33,510 lbf.	33,510 lbf.	33,510 lbf.	33,510 lbf.	33,510 lbf.	33,510 lbf.
	15,200 kgf.	15,200 kgf.	15,200 kgf.	15,200 kgf.	15,200 kgf.	15,200 kgf.
	149.06 kN	149.06 kN	149.06 kN	149.06 kN	149.06 kN	149.06 kN

ARM	6' 7" (2,000 mm)	7' 10" (2,400 mm)	9' 10" (3,000 mm)
DIGGING FORCE	29,542 lbf.	26,235 lbf.	22,487 lbf.
	13,400 kgf.	11,900 kgf.	10,200 kgf.
	131.41 kN	116.70 kN	100.03 kN

## NOTES

A large grid of graph paper for taking notes, consisting of 20 columns and 30 rows of small squares.



## STANDARD EQUIPMENT

### ENGINE:

DOOSAN DL06:

- Turbo Charged and Aftercooled

Electronically Controlled Common Rail Direct Injected

359 cu.in., 6 Cylinder

161 SAE Net Flywheel Horsepower @ 2,000 rpm

Auto Idle System

Equipped with the Fuel Pre-filter with Water Separator & Built in Priming Pump

Radiator Reserve Tank

Large Capacity Double Element Air Cleaner with Evacuator

Electronic Engine Speed Control

Engine Overheat and Low Oil Pressure Prevention System

### HYDRAULIC SYSTEM:

Pilot Operated Control Valves, (9) Spools

Pilot Operated (2) Control Valves

Main Pump, Bent Axis Axial Piston Type, Pressure Setting 4,978 PSI

Pilot Circuit, Gear Type Pump

Swing Motor: Axial Piston Type

Swing Speed Control up to 11 rpm

Swing Safety Lock - Manual Pin Locking

Spring Set, Hydraulic-Released Brakes

Travel Motors, Hydrostatic Drive

Automatic Travel Speed Control

Travel Speed Up to 22.4 mph

Cross Sensing Pump Control for Fuel Saving

Two Operating Modes, Two Power Modes

Button Control of Flow in Auxiliary Equipment Circuits

Computer-aided Pump Power Control

e-EPOS (Electronic Power Optimizing System) Controller

Single Acting Breaker Piping

### CAB:

ROPS Approved

Steel, All Weather Sound Suppressed Type

Fully Automatically Controlled Air Conditioner with Heat

Multi-function Color LCD Monitor Panel

Cigarette Lighter with Ashtray

Door Locks

Front Windshield Wiper with Washer

Radio:

- AM/FM Stereo with Cassette
- Remote Radio On/Off Switch, Control Volume, Channel Selection

Switches:

- Ram Lock Switch
- Light Switch
- Work Light Switch
- Breaker, Power-Up, Shear Switch
- Parking Brake Switch
- Outrigger Selector Switch

Glass Antenna

Safety Glass, Tinted

Safety Lock Lever

Seat:

- Suspension with Seat Belt (2" Wide)
- Reclining, Height Adjustable
- Adjustable Arm Rests
- Sliding Control Console
- Weight Adjustment Knob

Skylight

Pull Up Type Front Window

Removable Lower Front Window

Sliding Side Windows

Front Window Air Defroster

Steering Console

Tilt and Telescopic Steering Wheel

Accelerator Pedal

Brake Pedal

Emergency Breakout Tool

Lunch Box with Hot & Cool Air

12V Power Socket

Joystick Lever with 3 Switches

Dozer Blade Work Lever

Cup Holder

Room Light

Serial Communication Port for Laptop PC Interface (DMS, Edoctor)

Viscous Cab Mounts

### ELECTRICAL:

Alternator:



- 60 Amp

Batteries:

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

Starter:

- 24V, 4.5 kW

Lights:

- Front: (2) Machine, (2) Boom

Electric Horn

Hour Meter

Alarm Buzzer for:

- Engine Oil Pressure
- Coolant Temperature

Electronic Monitor for:

- Engine Coolant Temperature Gauge
- Fuel Gauge
- Hydraulic Oil Temperature Gauge

Multi-Function Display for:

- Engine RPM
- Battery Voltage
- Front and Rear Hydraulic Pump Pressure
- Hydraulic Oil Overheating Warning
- Fuel Shortage Warning
- Air Cleaner Clogging Warning
- Pilot Filter Clogging Warning
- Return Filter Clogging Warning
- Brake Oil Pressure Warning
- Quick Clamp Release Warning
- Digital Clock

Operating Modes for:

- Power Mode Switches
- Flow Rate Control
- Auto Idle Select Button
- 4 Display Selection Buttons
- Trenching Mode Selector Button

**UNDERCARRIAGE:**

10.00 x 20 (14PR) Dual Wheels

(2) Outriggers - Front

(1) Dozer Blade - Rear

Transmission, 2-Speed, Power shift

Front & Rear Axle, Floating Planetary Drive

**OTHER STANDARD EQUIPMENT:**

Counterweight:

- 8,380 lb. (3,800 kg)

Sealed Pins, Boom, Arm and Bucket Linkages

Swing Mechanism, Internal Gear and Pinion

Centralized Lube Points

Large Handrail

Punched Metal Anti-Slip Plates

Ultra-hard Wear-Resistant Disc at the Bucket Pivot

Engine Restart Prevention System

Manuals:

- Parts and Operator's

GPS with 1 Year Subscription



## OPTIONAL EQUIPMENT

### HYDRAULIC KITS – FACTORY INSTALLED:

- Single Acting Thumb Kit
- Double Acting Thumb Kit
- Double Acting Rotate Kit

### ADDITIONAL OPTIONS – FACTORY INSTALLED:

- Air Suspension Seat
- CD Player
- Work Lights (2 Front Mounted on Cab)
- Work Lights (4 Front 2 Rear Mounted on Cab)
- Rotating Beacon (Mounted on Cab)
- 24V, 80A Alternator
- Swing Alarm
- Electric Fuel Supply Pump
- Rain Shield
- Falling Objects Guard Asbly Kit
- Lock Valve

### DOOSAN BUCKETS – DEALER INSTALLED:

- 0.61 yd<sup>3</sup> 24" width Bucket
- 0.82 yd<sup>3</sup> 30" width Bucket
- 1.00 yd<sup>3</sup> 36" width Bucket
- 1.20 yd<sup>3</sup> 42" width Bucket
- 0.93 yd<sup>3</sup> 48" width Ditching Bucket
- 0.98 yd<sup>3</sup> 60" width Ditching Bucket
- 1.20 yd<sup>3</sup> 72" width Ditching Bucket

### DOOSAN COUPLERS – DEALER INSTALLED:

- Hydraulic Quick Coupler
- Manual Quick Coupler

### DOOSAN THUMBS – DEALER INSTALLED:

- Hydraulic Pro Link Thumb
- Mechanical Thumb

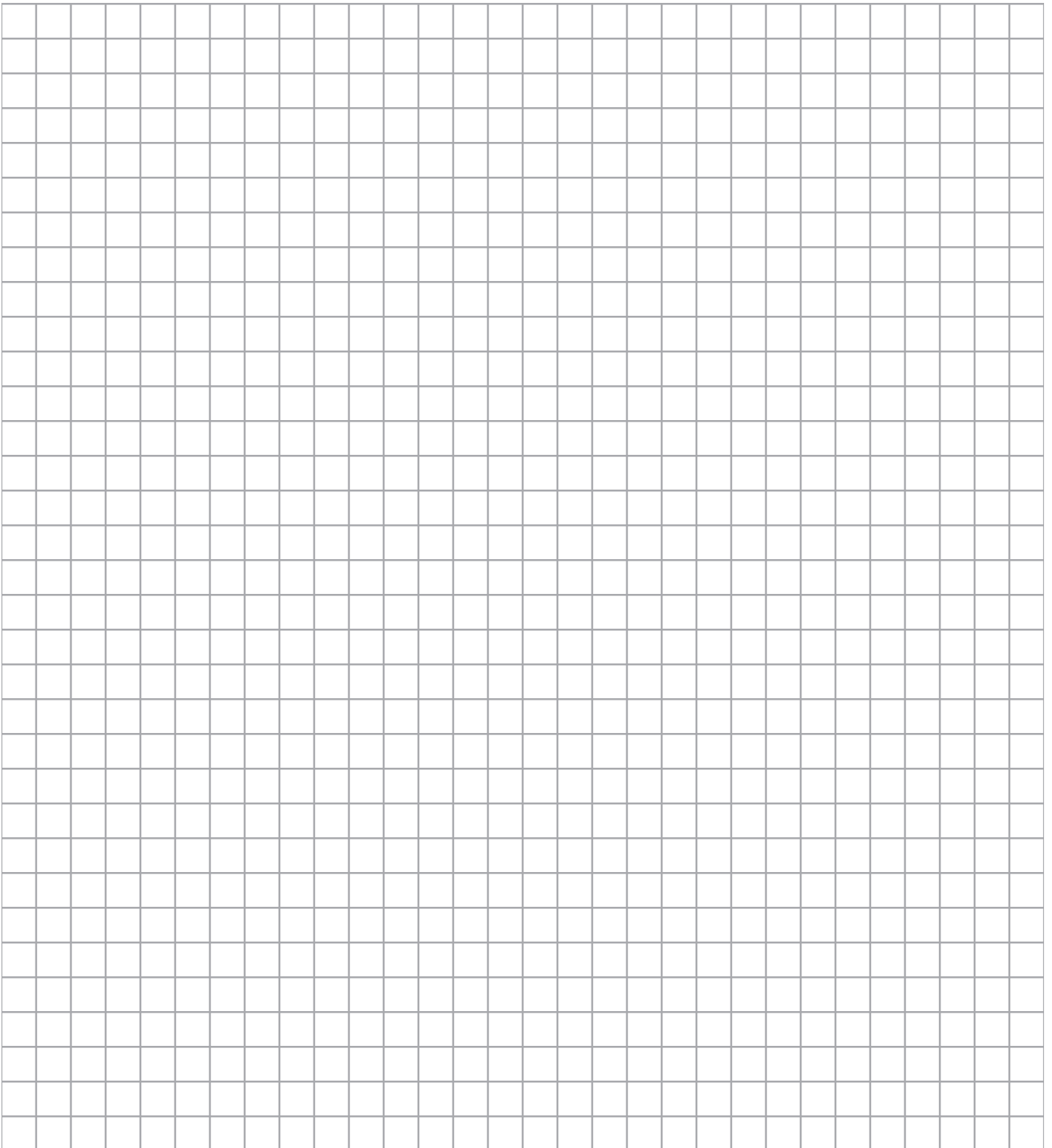
### HYDRAULIC KITS – DEALER INSTALLED:

- Breaker Kit (B) Single Acting HKX
- Thumb Kit (T) Double Acting HKX Piping Ends at Boom Tip
- Breaker / Thumb Kit (BT) Single & Double Acting HKX

### ADDITIONAL OPTIONS – DEALER INSTALLED:

- 3" Seat Belt
- Vandalism Covers

## NOTES

A large grid of graph paper for taking notes, consisting of 20 columns and 30 rows of small squares.



# LIFTING CAPACITY (ONE-PIECE BOOM)

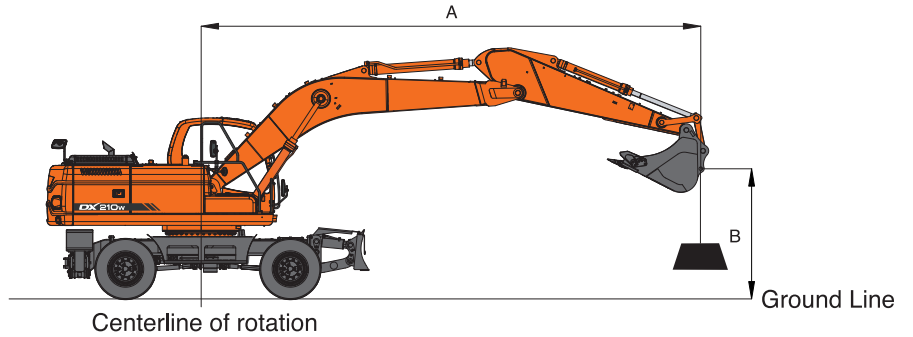
Boom: 18'5" (5,620 mm)

Arm: 6'7" (2,000 mm)

Bucket: SAE 1.13 yd.<sup>3</sup> (.86 m<sup>3</sup>)

Counterweight: 4.2 ton (3.8 metric ton)

Front OT Down + Rear Dozer Down



Feet Unit: 1,000 lb.

B (ft.) \ A (ft.)	10		15		20		MAX. REACH		A (ft.)
25			14.47*	12.27			14.50*	10.86	16.12
20			14.53*	12.16	12.38	7.67	11.68	7.24	20.67
15			16.83*	11.44	12.15	7.47	9.51	5.85	23.27
10			18.1	10.47	11.71	7.08	8.55	5.2	24.60
5					11.31	6.73	8.29	5	24.83
0 (GROUND)			16.99	9.54	11.09	6.53	8.6	5.16	24.03
-5	25.31*	17.63	17.05	9.59	11.1	6.54	9.74	5.81	22.06
-10	20.00*	18.05	15.75*	9.9			11.87*	7.53	18.55

Metric Unit: 1,000 kg

B (m) \ A (m)	3		4		5		6		7		MAX. REACH		A (m)
8											6.88*	5.82	4.42
7					6.30*	4.84					6.27*	4.03	5.57
6					6.40*	4.79	5.77	3.58			5.21	3.23	6.37
5			7.99*	6.46	6.86*	4.64	5.7	3.51			4.51	2.78	6.92
4					7.41	4.43	5.58	3.4	4.38	2.69	4.11	2.51	7.29
3					7.15	4.21	5.43	3.28	4.31	2.62	3.87	2.36	7.50
2					6.93	4.02	5.3	3.16	4.24	2.56	3.77	2.28	7.58
1					6.78	3.9	5.2	3.08	4.18	2.5	3.78	2.27	7.52
0 (GROUND)					6.72	3.84	5.14	3.02	4.15	2.48	3.9	2.34	7.32
-1			9.62	5.23	6.71	3.83	5.13	3.02			4.18	2.5	6.97
-2	10.98*	8.24	9.52*	5.3	6.76	3.87	5.18	3.05			4.7	2.8	6.45
-3	9.23*	8.39	8.01*	5.41	6.61*	3.97					5.41*	3.38	5.70

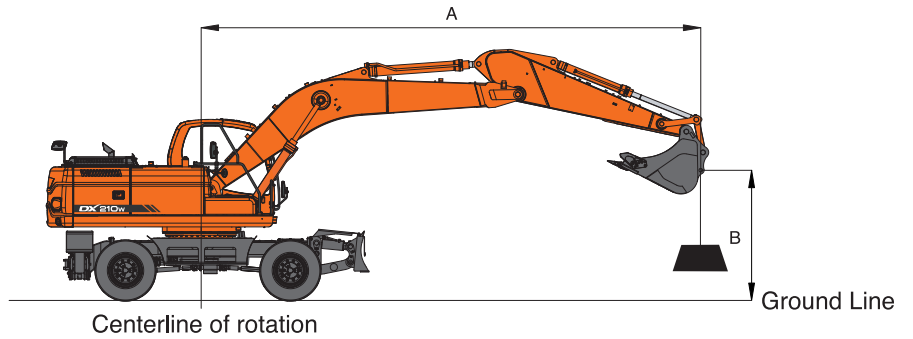
- LOAD POINT IS THE END OF THE ARM.
- CAPACITIES MARKED WITH AN ASTERISK (\*) ARE LIMITED BY HYDRAULIC CAPACITIES.
- LIFT CAPACITIES SHOWN DO NOT EXCEED 75% OF MINIMUM TIPPING LOADS OR 87% OF HYDRAULIC CAPACITIES.

Rating Over Front  
 Rating Over Side or 360 degree



# DX210W

**Boom: 18'5" (5,600 mm)**  
**Arm: 6'7" (2,000 mm)**  
**Bucket: SAE 1.13 yd.<sup>3</sup> (.86 m<sup>3</sup>)**  
**Counterweight: 4.2 ton (3.8 metric ton)**  
**Front OT Down + Rear Dozer Down**



Feet Unit: 1,000 lb.

B (ft.) \ A (ft.)	10		15		20		MAX. REACH		
									A (ft.)
25			14.47*	12.34			14.50*	10.92	16.12
20			14.53*	12.22	12.52	7.72	11.82	7.28	20.67
15			16.83*	11.5	12.29	7.51	9.62	5.88	23.27
10			18.31	10.53	11.85	7.12	8.66	5.24	24.60
5					11.45	6.77	8.39	5.03	24.83
0 (GROUND)			17.2	9.6	11.23	6.58	8.71	5.19	24.03
-5	25.31*	17.73	17.26	9.66	11.24	6.59	9.86	5.85	22.06
-10	20.00*	18.15	15.75*	9.96			11.87*	7.58	18.55

Metric Unit: 1,000 kg

B (m) \ A (m)	3		4		5		6		7		MAX. REACH		
													A (m)
8											6.88*	5.85	4.42
7					6.30*	4.87					6.27*	4.05	5.57
6					6.40*	4.81	5.83	3.6			5.27	3.24	6.37
5			7.99*	6.5	6.86*	4.66	5.76	3.53			4.56	2.8	6.92
4					7.49	4.46	5.64	3.42	4.43	2.7	4.16	2.53	7.29
3					7.23	4.23	5.5	3.3	4.36	2.64	3.92	2.37	7.50
2					7.01	4.05	5.37	3.18	4.29	2.57	3.82	2.29	7.58
1					6.87	3.92	5.27	3.1	4.23	2.52	3.82	2.29	7.52
0 (GROUND)					6.8	3.87	5.21	3.05	4.2	2.49	3.95	2.35	7.32
-1			9.73	5.27	6.79	3.86	5.2	3.04			4.23	2.52	6.97
-2	10.98*	8.29	9.52*	5.33	6.84	3.9	5.24	3.07			4.76	2.82	6.45
-3	9.23*	8.44	8.01*	5.45	6.61*	4					5.41*	3.4	5.70

- LOAD POINT IS THE END OF THE ARM.
- CAPACITIES MARKED WITH AN ASTERISK (\*) ARE LIMITED BY HYDRAULIC CAPACITIES.
- LIFT CAPACITIES SHOWN DO NOT EXCEED 75% OF MINIMUM TIPPING LOADS OR 87% OF HYDRAULIC CAPACITIES.

Rating Over Front  
 Rating Over Side or 360 degree



# LIFTING CAPACITY (ONE-PIECE BOOM)

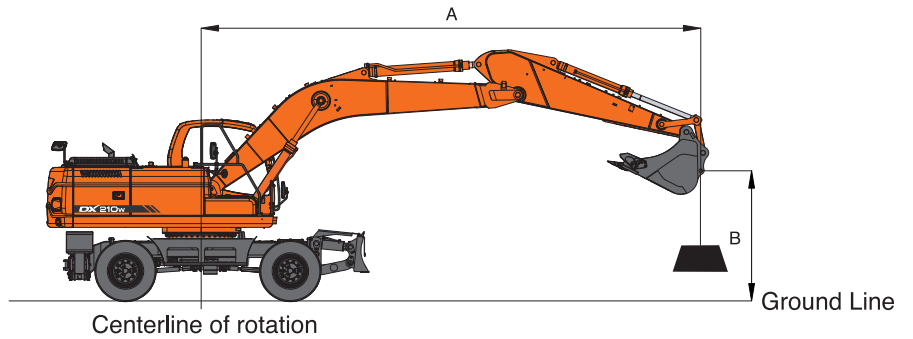
Boom: 18'5" (5,600 mm)

Arm: 7'11" (2,400 mm)

Bucket: SAE 1.13 yd.<sup>3</sup> (.86 m<sup>3</sup>)

Counterweight: 4.2 ton (3.8 metric ton)

Front OT Down + Rear Dozer Down



Feet Unit: 1,000 lb.

B (ft.) \ A (ft.)	10		15		20		25		MAX. REACH		A (ft.)
25									12.55*	9.26	18.01
20					12.49*	7.86			10.57	6.58	22.14
15			15.87*	11.69	12.3	7.6			8.8	5.42	24.60
10			18.36	10.69	11.83	7.18	8.42	5.15	7.99	4.87	25.85
5			17.4	9.89	11.38	6.78	8.24	4.98	7.75	4.68	26.08
0 (GROUND)			16.99	9.54	11.1	6.54	8.13	4.88	8	4.8	25.31
-5	24.89*	17.32	16.96	9.52	11.05	6.49			8.91	5.33	23.45
-10	22.63*	17.75	17.19*	9.75	11.31	6.72			11.16	6.65	20.21

Metric Unit: 1,000 kg

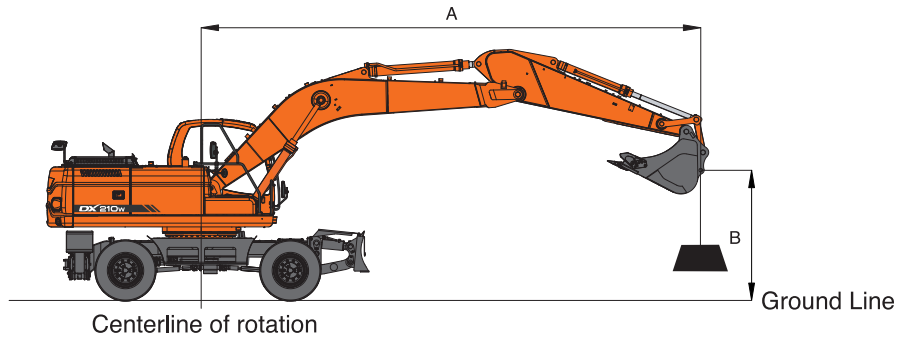
B (m) \ A (m)	2		3		4		5		6		7		MAX. REACH		A (m)
8							6.16*	4.88					5.95*	4.8	5.05
7							5.83*	4.95	5.78*	3.65			5.41*	3.56	6.09
6							6.00*	4.88	5.69*	3.66			4.72	2.94	6.81
5					7.42*	6.62	6.49*	4.73	5.78	3.58	4.5	2.79	4.16	2.57	7.33
4					8.75*	6.21	7.19*	4.52	5.64	3.46	4.43	2.73	3.82	2.34	7.68
3					10.19*	5.77	7.24	4.28	5.49	3.33	4.35	2.66	3.62	2.2	7.89
2							6.99	4.08	5.34	3.2	4.26	2.58	3.53	2.14	7.96
1					9.64	5.25	6.82	3.93	5.22	3.09	4.19	2.51	3.53	2.13	7.90
0 (GROUND)					9.56	5.19	6.72	3.84	5.15	3.03	4.14	2.47	3.63	2.18	7.71
-1			8.67*	8.03	9.56	5.19	6.69	3.82	5.12	3	4.13	2.46	3.85	2.31	7.39
-2	9.62*	9.62*	12.15*	8.11	9.62	5.24	6.71	3.84	5.14	3.02			4.27	2.55	6.89
-3			10.45*	8.25	8.76*	5.34	6.8	3.91	5.23	3.1			5.02	2.99	6.19
-4					6.72*	5.51	5.25*	4.08					4.80*	3.88	5.21

- LOAD POINT IS THE END OF THE ARM.
- CAPACITIES MARKED WITH AN ASTERISK (\*) ARE LIMITED BY HYDRAULIC CAPACITIES.
- LIFT CAPACITIES SHOWN DO NOT EXCEED 75% OF MINIMUM TIPPING LOADS OR 87% OF HYDRAULIC CAPACITIES.

Rating Over Front  
 Rating Over Side or 360 degree

# DX210W

**Boom: 18'5" (5,600 mm)**  
**Arm: 7'11" (2,400 mm)**  
**Bucket: SAE 1.13 yd.<sup>3</sup> (.86 m<sup>3</sup>)**  
**Counterweight: 4.2 ton (3.8 metric ton)**  
**Front OT Down + Rear Dozer Down**



Feet Unit: 1,000 lb.

B (ft.) \ A (ft.)	10		15		20		25		MAX. REACH		A (ft.)
25									12.55*	9.31	18.01
20					12.49*	7.9			10.69	6.62	22.14
15			15.87*	11.75	12.44	7.65			8.9	5.46	24.60
10			18.57	10.75	11.97	7.23	8.53	5.18	8.09	4.9	25.85
5			17.61	9.95	11.52	6.83	8.34	5.01	7.85	4.71	26.08
0 (GROUND)			17.19	9.6	11.24	6.58	8.24	4.91	8.1	4.84	25.31
-5	24.89*	17.43	17.17	9.58	11.18	6.54			9.02	5.37	23.45
-10	22.63*	17.86	17.19*	9.82	11.45	6.77			11.3	6.69	20.21

Metric Unit: 1,000 kg

B (m) \ A (m)	2		3		4		5		6		7		MAX. REACH		A (m)
8							6.16*	4.91					5.95*	4.82	5.05
7							5.83*	4.98	5.78*	3.67			5.41*	3.58	6.09
6							6.00*	4.91	5.69*	3.68			4.77	2.95	6.81
5					7.42*	6.65	6.49*	4.76	5.84	3.6	4.55	2.81	4.21	2.59	7.33
4					8.75*	6.25	7.19*	4.54	5.71	3.48	4.49	2.75	3.86	2.36	7.68
3					10.19*	5.8	7.32	4.31	5.55	3.35	4.4	2.67	3.66	2.22	7.89
2							7.07	4.1	5.41	3.22	4.32	2.6	3.57	2.15	7.96
1					9.76	5.28	6.9	3.95	5.29	3.11	4.24	2.53	3.57	2.14	7.90
0 (GROUND)					9.68	5.22	6.8	3.87	5.21	3.05	4.2	2.49	3.68	2.19	7.71
-1			8.67*	8.08	9.68	5.22	6.77	3.84	5.18	3.02	4.19	2.48	3.9	2.32	7.39
-2	9.62*	9.62*	12.15*	8.16	9.74	5.27	6.8	3.86	5.2	3.04			4.32	2.57	6.89
-3			10.45*	8.3	8.76*	5.37	6.88	3.94	5.29	3.12			5.08	3.01	6.19
-4					6.72*	5.54	5.25*	4.1					4.80*	3.91	5.21

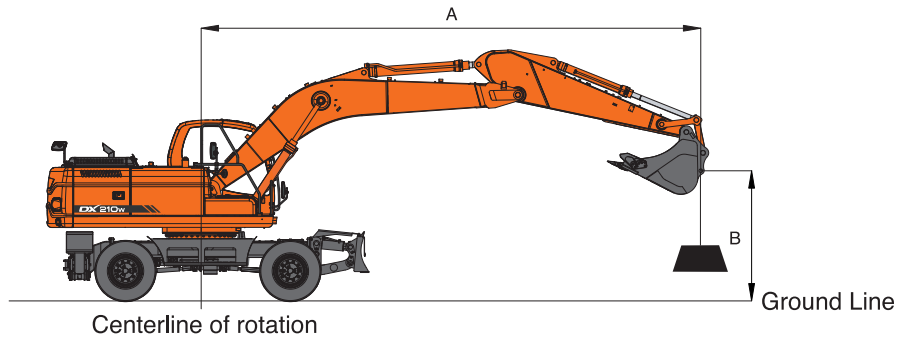
- LOAD POINT IS THE END OF THE ARM.
- CAPACITIES MARKED WITH AN ASTERISK (\*) ARE LIMITED BY HYDRAULIC CAPACITIES.
- LIFT CAPACITIES SHOWN DO NOT EXCEED 75% OF MINIMUM TIPPING LOADS OR 87% OF HYDRAULIC CAPACITIES.

Rating Over Front  
 Rating Over Side or 360 degree



# LIFTING CAPACITY (ONE-PIECE BOOM)

**Boom: 18'5" (5,600 mm)**  
**Arm: 9' (2,750 mm)**  
**Bucket: SAE 1.13 yd.<sup>3</sup> (.86 m<sup>3</sup>)**  
**Counterweight: 4.2 ton (3.8 metric ton)**  
**Front OT Down + Rear Dozer Down**



Feet Unit: 1,000 lb.

B (ft.) \ A (ft.)	10		15		20		25		MAX. REACH		A (ft.)
25									9.66*	8.29	19.41
20					11.74*	7.94			8.90*	6.08	23.31
15			14.90*	11.85	12.37	7.66	8.62	5.31	8.24	5.07	25.65
10			18.29*	10.83	11.87	7.21	8.43	5.14	7.53	4.57	26.84
5			17.49	9.95	11.38	6.78	8.21	4.94	7.3	4.39	27.06
0 (GROUND)			16.96	9.5	11.06	6.49	8.06	4.8	7.5	4.48	26.33
-5	24.52*	17.07	16.85	9.41	10.95	6.39			8.26	4.92	24.55
-10	24.65*	17.46	17.05	9.58	11.1	6.53			10.11	6.01	21.45

Metric Unit: 1,000 kg

B (m) \ A (m)	2		3		4		5		6		7		8		MAX. REACH		A (m)
8															4.55*	4.21	5.52
7									5.34*	3.71					4.19*	3.24	6.48
6									5.36*	3.69	4.55	2.84			4.02*	2.72	7.16
5							6.11*	4.78	5.62*	3.61	4.52	2.81			3.89	2.4	7.65
4			10.83*	9.71	8.17*	6.33	6.83*	4.57	5.67	3.48	4.45	2.74			3.59	2.19	7.99
3					9.65*	5.88	7.29	4.33	5.51	3.34	4.36	2.66	3.54	2.15	3.41	2.07	8.19
2					9.96	5.5	7.03	4.1	5.35	3.2	4.26	2.57	3.49	2.11	3.32	2	8.26
1					9.67	5.27	6.83	3.93	5.22	3.09	4.18	2.5	3.44	2.06	3.32	1.99	8.21
0 (GROUND)					9.54	5.16	6.71	3.83	5.13	3.01	4.12	2.45	3.42	2.04	3.4	2.03	8.03
-1			9.08*	7.9	9.51	5.14	6.65	3.78	5.08	2.97	4.09	2.42			3.59	2.14	7.71
-2	9.31*	9.31*	12.73*	7.98	9.55	5.17	6.66	3.78	5.09	2.97	4.11	2.44			3.94	2.34	7.24
-3	13.01*	13.01*	11.38*	8.12	9.30*	5.25	6.72	3.84	5.14	3.02					4.55	2.7	6.58
-4			9.09*	8.32	7.54*	5.39	6.08*	3.96							4.95*	3.38	5.67

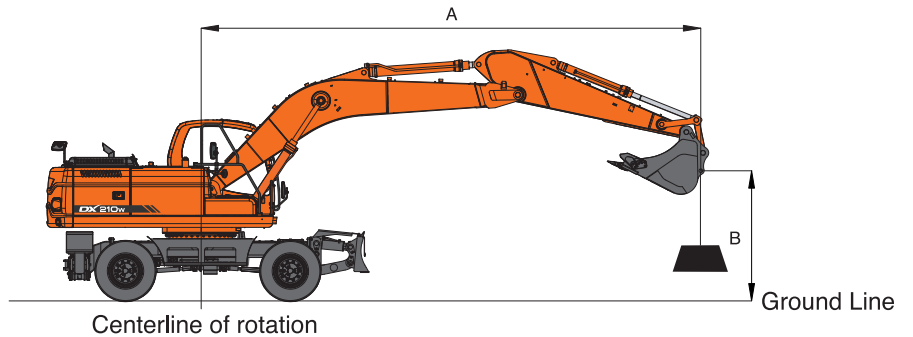
1. LOAD POINT IS THE END OF THE ARM.  
 2. CAPACITIES MARKED WITH AN ASTERISK (\*) ARE LIMITED BY HYDRAULIC CAPACITIES.  
 3. LIFT CAPACITIES SHOWN DO NOT EXCEED 75% OF MINIMUM TIPPING LOADS OR 87% OF HYDRAULIC CAPACITIES.

Rating Over Front  
 Rating Over Side or 360 degree



# DX210W

**Boom: 18'5" (5,600 mm)**  
**Arm: 9' (2,750 mm)**  
**Bucket: SAE 1.13 yd.<sup>3</sup> (.86 m<sup>3</sup>)**  
**Counterweight: 4.2 ton (3.8 metric ton)**  
**Front OT Down + Rear Dozer Down**



Feet Unit: 1,000 lb.

B (ft.) \ A (ft.)	10		15		20		25		MAX. REACH		A (ft.)
25									9.66*	8.34	19.41
20					11.74*	7.99			8.90*	6.12	23.31
15			14.90*	11.91	12.51	7.7	8.72	5.35	8.34	5.1	25.65
10			18.29*	10.89	12.01	7.26	8.53	5.18	7.62	4.6	26.84
5			17.7	10.01	11.52	6.82	8.31	4.97	7.39	4.42	27.06
0 (GROUND)			17.17	9.56	11.19	6.53	8.16	4.84	7.6	4.51	26.33
-5	24.52*	17.17	17.05	9.47	11.09	6.44			8.37	4.96	24.55
-10	24.65*	17.57	17.26	9.64	11.24	6.58			10.24	6.05	21.45

Metric Unit: 1,000 kg

B (m) \ A (m)	2		3		4		5		6		7		8		MAX. REACH		A (m)
8															4.55*	4.23	5.52
7									5.34*	3.73					4.19*	3.26	6.48
6									5.36*	3.71	4.61	2.85			4.02*	2.73	7.16
5							6.11*	4.81	5.62*	3.63	4.58	2.83			3.93	2.41	7.65
4			10.83*	9.75	8.17*	6.37	6.83*	4.59	5.74	3.5	4.5	2.76			3.63	2.21	7.99
3					9.65*	5.92	7.38	4.35	5.57	3.36	4.41	2.68	3.58	2.17	3.45	2.08	8.19
2					10.08	5.53	7.11	4.13	5.42	3.22	4.31	2.59	3.53	2.12	3.36	2.02	8.26
1					9.79	5.3	6.91	3.96	5.29	3.11	4.23	2.51	3.49	2.08	3.36	2	8.21
0 (GROUND)					9.66	5.19	6.79	3.85	5.19	3.03	4.17	2.46	3.46	2.05	3.45	2.05	8.03
-1			9.08*	7.95	9.63	5.17	6.74	3.81	5.15	2.99	4.14	2.44			3.64	2.16	7.71
-2	9.31*	9.31*	12.73*	8.03	9.66	5.2	6.74	3.81	5.15	2.99	4.16	2.45			3.99	2.36	7.24
-3	13.01*	13.01*	11.38*	8.17	9.30*	5.28	6.8	3.86	5.21	3.04					4.6	2.72	6.58
-4			9.09*	8.37	7.54*	5.42	6.08*	3.99							4.95*	3.4	5.67

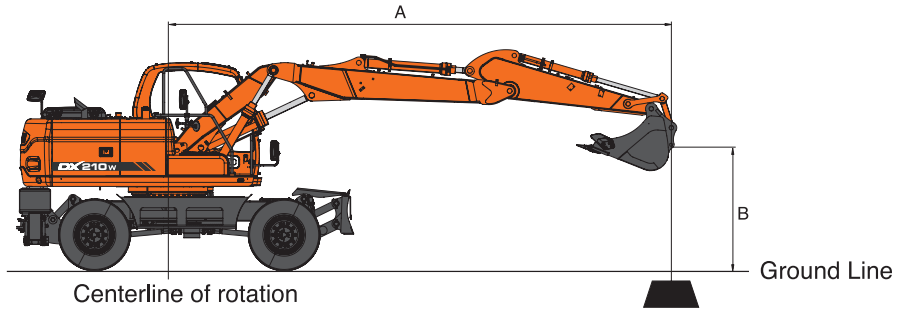
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- LIFT CAPACITIES SHOWN DO NOT EXCEED 75% OF MINIMUM TIPPING LOADS OR 87% OF HYDRAULIC CAPACITIES.

Rating Over Front  
 Rating Over Side or 360 degree



# LIFTING CAPACITY (TWO-PIECE BOOM)

**Lower Boom: 6'4" (1,920 mm)**  
**Upper Boom: 12'7" (3,840 mm)**  
**Arm: 6'7" (2,000 mm)**  
**Bucket: SAE 1.13 yd.<sup>3</sup> (.86 m<sup>3</sup>)**  
**Counterweight: 4.2 ton (3.8 metric ton)**  
**Front OT Down + Rear Dozer Down**



Feet Unit: 1,000 lb.

B (ft.) \ A (ft.)	15		20		MAX. REACH		A (ft.)
25	12.00*	12.00*			12.57*	10.98	15.92
20	11.48*	11.48*	11.65*	7.67	10.97*	7.3	20.50
15	13.66*	11.63	11.90*	7.55	9.68	5.91	23.12
10	17.20*	10.69	11.91	7.18	8.74	5.29	24.45
5			11.52	6.84	8.5	5.11	24.69
0 (GROUND)	17.32	9.71	11.3	6.65	8.87	5.31	23.88
-5	17.37	9.76	11.34	6.68	10.09	6.03	21.91

Metric Unit: 1,000 kg

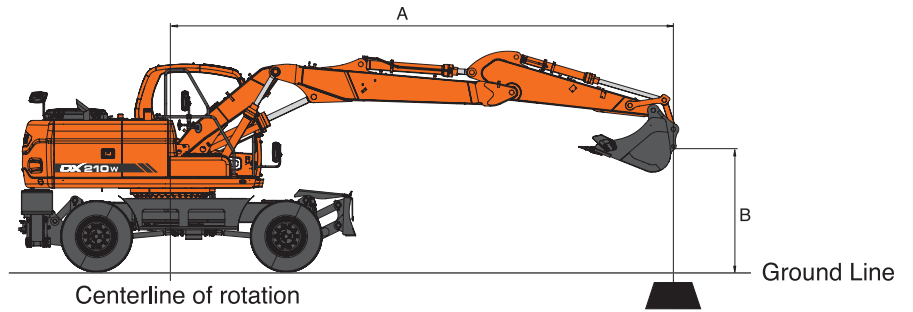
B (m) \ A (m)	4		5		6		7		MAX. REACH		A (m)
8	5.60*	5.60*							5.90*	5.90*	4.35
7	5.08*	5.08*	5.20*	4.85					5.47*	4.06	5.51
6	5.38*	5.38*	5.18*	4.83	5.21*	3.58			4.94*	3.25	6.31
5	6.26*	6.26*	5.60*	4.7	5.29*	3.55			4.59	2.81	6.87
4			6.31*	4.5	5.65*	3.45	4.44	2.71	4.18	2.54	7.24
3			7.16*	4.29	5.53	3.33	4.38	2.65	3.96	2.39	7.46
2			7.07	4.1	5.4	3.21	4.31	2.59	3.86	2.32	7.54
1			6.92	3.97	5.3	3.13	4.25	2.54	3.88	2.33	7.48
0 (GROUND)			6.85	3.91	5.24	3.08	4.23	2.52	4.02	2.41	7.28
-1	9.79	5.31	6.84	3.9	5.24	3.07			4.33	2.59	6.93
-2			6.89	3.95	5.3	3.12			5.13	3.04	6.15

1. LOAD POINT IS THE END OF THE ARM.  
 2. CAPACITIES MARKED WITH AN ASTERISK (\*) ARE LIMITED BY HYDRAULIC CAPACITIES.  
 3. LIFT CAPACITIES SHOWN DO NOT EXCEED 75% OF MINIMUM TIPPING LOADS OR 87% OF HYDRAULIC CAPACITIES.

Rating Over Front  
 Rating Over Side or 360 degree

# DX210W

**Lower Boom: 6'4" (1,920 mm)**  
**Upper Boom: 12'7" (3,840 mm)**  
**Arm: 6'7" (2,000 mm)**  
**Bucket: SAE 1.13 yd.<sup>3</sup> (.86 m<sup>3</sup>)**  
**Counterweight: 4.2 ton (3.8 metric ton)**  
**Front OT Down + Rear Dozer Down**



Feet Unit: 1,000 lb.

B (ft.) \ A (ft.)	15		20		MAX. REACH		A (ft.)
25	12.00*	12.00*			12.57*	10.98	15.92
20	11.48*	11.48*	11.65*	7.67	10.97*	7.3	20.50
15	13.66*	11.63	11.90*	7.55	9.68	5.91	23.12
10	17.20*	10.69	11.91	7.18	8.74	5.29	24.45
5			11.52	6.84	8.5	5.11	24.69
0 (GROUND)	17.32	9.71	11.3	6.65	8.87	5.31	23.88
-5	17.37	9.76	11.34	6.68	10.09	6.03	21.91

Metric Unit: 1,000 kg

B (m) \ A (m)	4		5		6		7		MAX. REACH		A (m)
8	5.60*	5.60*							5.90*	5.90*	4.35
7	5.08*	5.08*	5.20*	4.85					5.47*	4.06	5.51
6	5.38*	5.38*	5.18*	4.83	5.21*	3.58			4.94*	3.25	6.31
5	6.26*	6.26*	5.60*	4.7	5.29*	3.55			4.59	2.81	6.87
4			6.31*	4.5	5.65*	3.45	4.44	2.71	4.18	2.54	7.24
3			7.16*	4.29	5.53	3.33	4.38	2.65	3.96	2.39	7.46
2			7.07	4.1	5.4	3.21	4.31	2.59	3.86	2.32	7.54
1			6.92	3.97	5.3	3.13	4.25	2.54	3.88	2.33	7.48
0 (GROUND)			6.85	3.91	5.24	3.08	4.23	2.52	4.02	2.41	7.28
-1	9.79	5.31	6.84	3.9	5.24	3.07			4.33	2.59	6.93
-2			6.89	3.95	5.3	3.12			5.13	3.04	6.15

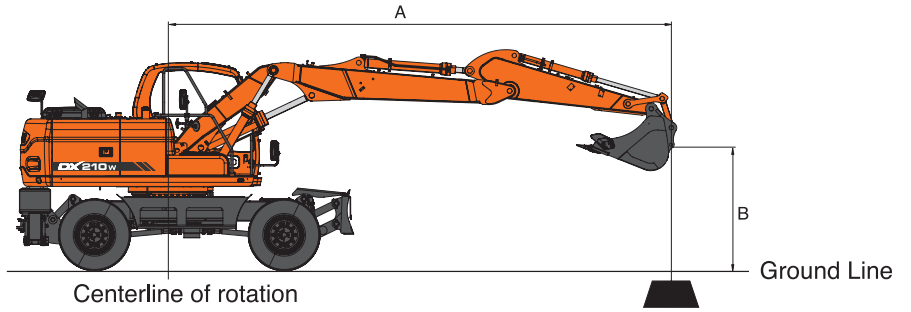
- LOAD POINT IS THE END OF THE ARM.
- CAPACITIES MARKED WITH AN ASTERISK (\*) ARE LIMITED BY HYDRAULIC CAPACITIES.
- LIFT CAPACITIES SHOWN DO NOT EXCEED 75% OF MINIMUM TIPPING LOADS OR 87% OF HYDRAULIC CAPACITIES.

Rating Over Front  
 Rating Over Side or 360 degree



# LIFTING CAPACITY (TWO-PIECE BOOM)

**Lower Boom: 6'4" (1,920 mm)**  
**Upper Boom: 12'7" (3,840 mm)**  
**Arm: 7'11" (2,400 mm)**  
**Bucket: SAE 1.13 yd.<sup>3</sup> (.86 m<sup>3</sup>)**  
**Counterweight: 4.2 ton (3.8 metric ton)**  
**Front OT Down + Rear Dozer Down**



Feet Unit: 1,000 lb.

B (ft.) \ A (ft.)	10		15		20		25		MAX. REACH		A (ft.)
25			10.41*	10.41*					10.56*	9.23	17.91
20			10.42*	10.42*	10.52*	7.88			8.96*	6.56	22.06
15			12.60*	11.86	11.17*	7.67			8.33*	5.43	24.51
10			16.14*	10.88	12.01	7.26	8.52	5.17	8.1	4.9	25.76
5			17.74	10.05	11.56	6.87	8.36	5.02	7.89	4.74	25.99
0 (GROUND)			17.28	9.67	11.28	6.62	8.28	4.95	8.19	4.9	25.22
-5	25.34*	17.48	17.24	9.64	11.24	6.58			9.17	5.48	23.36

Metric Unit: 1,000 kg

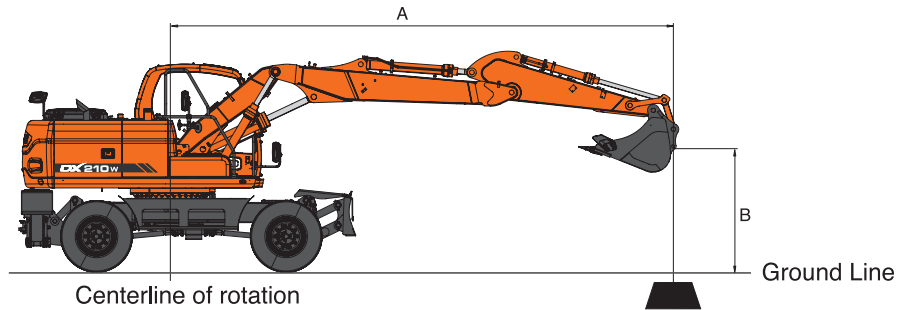
B (m) \ A (m)	3		4		5		6		7		MAX. REACH		A (m)
9											6.21*	6.21*	3.38
8					5.20*	4.81					5.13*	4.8	5.01
7					4.65*	4.65*	5.03*	3.61			4.41*	3.55	6.05
6					4.74*	4.74*	4.76*	3.67			4.04*	2.93	6.78
5			5.66*	5.66*	5.19*	4.79	4.94*	3.61	4.53	2.79	3.83*	2.57	7.30
4			6.96*	6.34	5.90*	4.58	5.34*	3.5	4.49	2.75	3.73*	2.35	7.65
3			8.54*	5.9	6.77*	4.35	5.57	3.37	4.41	2.68	3.67	2.22	7.86
2					7.12	4.14	5.43	3.24	4.33	2.6	3.59	2.16	7.93
1					6.94	3.98	5.31	3.13	4.26	2.54	3.6	2.16	7.88
0 (GROUND)			9.72	5.25	6.84	3.9	5.24	3.07	4.21	2.5	3.71	2.22	7.69
-1	8.68*	8.09	9.72	5.25	6.8	3.87	5.21	3.04	4.21	2.5	3.96	2.37	7.36
-2			9.78	5.3	6.83	3.89	5.24	3.07			4.44	2.65	6.80

1. LOAD POINT IS THE END OF THE ARM.  
 2. CAPACITIES MARKED WITH AN ASTERISK (\*) ARE LIMITED BY HYDRAULIC CAPACITIES.  
 3. LIFT CAPACITIES SHOWN DO NOT EXCEED 75% OF MINIMUM TIPPING LOADS OR 87% OF HYDRAULIC CAPACITIES.

Rating Over Front  
 Rating Over Side or 360 degree

# DX210W

**Lower Boom: 6'4" (1,920 mm)**  
**Upper Boom: 12'7" (3,840 mm)**  
**Arm: 7'11" (2,400 mm)**  
**Bucket: SAE 1.13 yd.<sup>3</sup> (.86 m<sup>3</sup>)**  
**Counterweight: 4.2 ton (3.8 metric ton)**  
**Front OT Down + Rear Dozer Down**



Feet Unit: 1,000 lb.

B (ft.) \ A (ft.)	10		15		20		25		MAX. REACH		A (ft.)
25			10.41*	10.41*					10.56*	9.28	17.91
20			10.42*	10.42*	10.52*	7.93			8.96*	6.6	22.06
15			12.60*	11.92	11.17*	7.71			8.33*	5.46	24.51
10			16.14*	10.94	12.15	7.31	8.62	5.2	8.16*	4.94	25.76
5			17.95	10.11	11.7	6.91	8.46	5.05	7.99	4.77	25.99
0 (GROUND)			17.49	9.73	11.42	6.66	8.38	4.98	8.29	4.94	25.22
-5	25.34*	17.59	17.45	9.7	11.38	6.63			9.28	5.52	23.36

Metric Unit: 1,000 kg

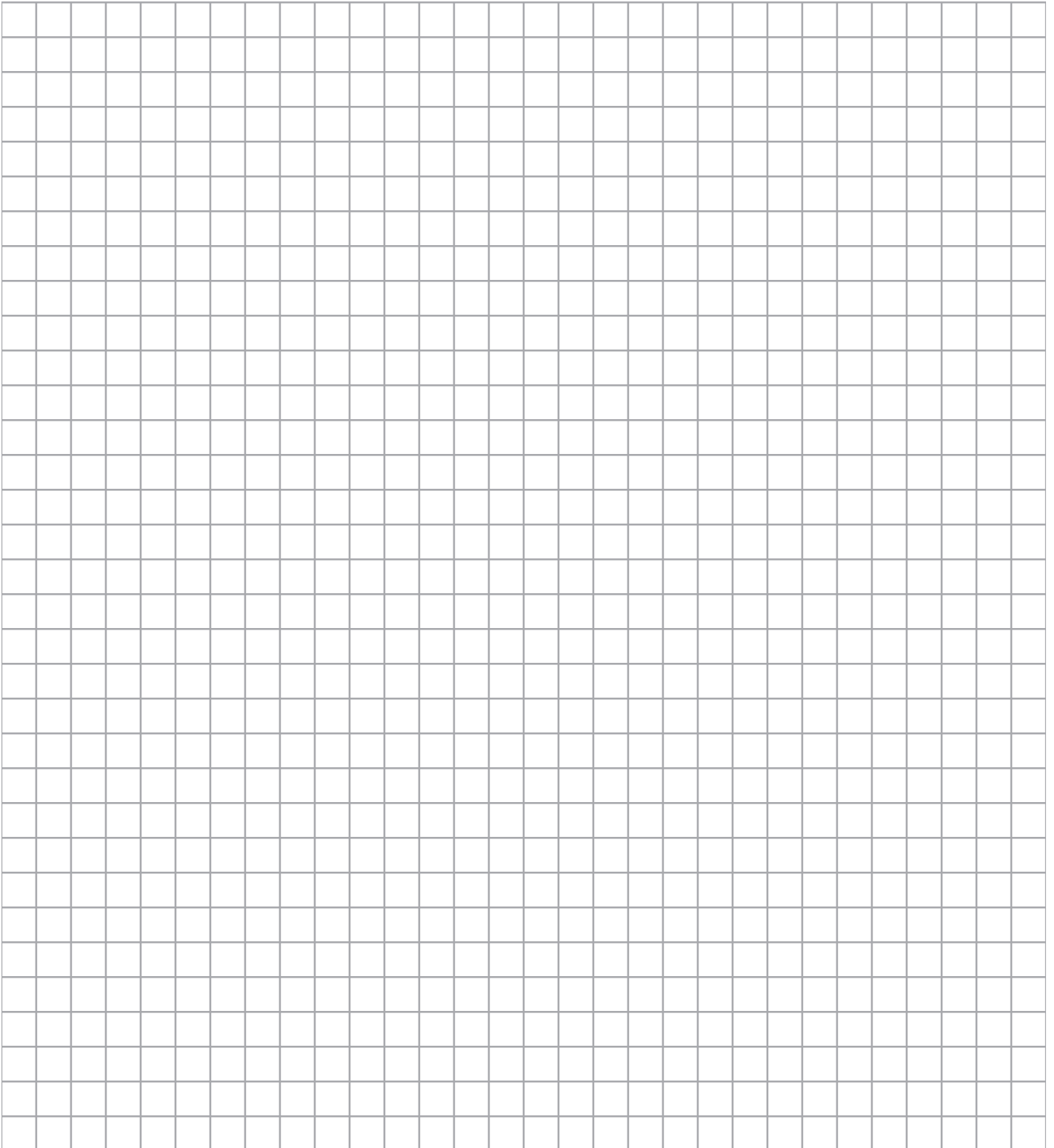
B (m) \ A (m)	3		4		5		6		7		MAX. REACH		A (m)
9											6.21*	6.21*	3.38
8					5.20*	4.84					5.13*	4.83	5.01
7					4.65*	4.65*	5.03*	3.63			4.41*	3.57	6.05
6					4.74*	4.74*	4.76*	3.69			4.04*	2.95	6.78
5			5.66*	5.66*	5.19*	4.81	4.94*	3.63	4.59	2.81	3.83*	2.59	7.30
4			6.96*	6.37	5.90*	4.61	5.34*	3.52	4.54	2.77	3.73*	2.36	7.65
3			8.54*	5.93	6.77*	4.38	5.64	3.39	4.46	2.7	3.70*	2.23	7.86
2					7.2	4.16	5.49	3.26	4.38	2.62	3.63	2.17	7.93
1					7.02	4.01	5.38	3.15	4.31	2.56	3.64	2.17	7.88
0 (GROUND)			9.84	5.29	6.92	3.92	5.3	3.09	4.27	2.52	3.76	2.24	7.69
-1	8.68*	8.14	9.83	5.28	6.88	3.89	5.27	3.06	4.26	2.52	4.01	2.38	7.36
-2			9.9	5.33	6.91	3.92	5.3	3.09			4.5	2.67	6.80

- LOAD POINT IS THE END OF THE ARM.
- CAPACITIES MARKED WITH AN ASTERISK (\*) ARE LIMITED BY HYDRAULIC CAPACITIES.
- LIFT CAPACITIES SHOWN DO NOT EXCEED 75% OF MINIMUM TIPPING LOADS OR 87% OF HYDRAULIC CAPACITIES.

Rating Over Front  
 Rating Over Side or 360 degree



## NOTES

A large grid of graph paper for taking notes, consisting of 20 columns and 30 rows of small squares.





BRO-DX210W-TD(5/12)

Kn-1.5M-512-26149-F

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



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