



DX255LC TECHNICAL DATA





GENERAL SPECIFICATIONS

ITEMS		UNIT	STANDARD
ENGINE	MODEL		Doosan DL06
	NUMBER OF CYLINDERS		6
	RATED FLYWHEEL POWER (hp PER SAE J1995) GROSS	hp / rpm	173 / 1,900
		kW / rpm	129 / 1,900
	RATED FLYWHEEL POWER (hp PER SAE J1349) NET	hp / rpm	166 / 1,900
		kW / rpm	124 / 1,900
	MAXIMUM TORQUE (GROSS) (SAE J1995)	ft. lb. / rpm	564 / 1,400
		Nm / rpm	765 / 1,400
	PISTON DISPLACEMENT	in. ³	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 58	
	L / min.	2 x 219	
PILOT PUMP (GEAR DESIGN)	MAXIMUM FLOW	US gpm	7.5
		L / min	28.5
	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	4,694
		bar	324
SWING	psi	3,911	
	bar	270	
UNDERCARRIAGE	UPPER ROLLERS		2 each track (STD. Shoes)
	LOWER ROLLERS		10 each track
	NUMBER OF SHOES (LINKS PER SIDE)		51 each track (Triple Grouser)
	TOTAL LENGTH OF TRACK	ft. in.	15' 2"
mm		4,625	
ENVIRONMENT	SOUND LEVEL (2000/14/EC)	dB(A)	103
	CABIN SOUND LEVEL (ISO 6396)	dB(A)	71
SWING MECHANISM	SWING SPEED	rpm	0 - 10.1
DRIVE SYSTEM	TRAVEL SPEED (FAST/SLOW)	mph	3.2 / 1.9
		km / h.	5.2 / 3.1
	DRAWBAR PULL	lb.	47,619
		kg	21,600
	MAXIMUM GRADE	%	70
		°	35

DX255LC

ITEMS		UNIT	STANDARD
REFILL CAPACITIES	FUEL TANK	US gal.	108.3
		L	410
	COOLING SYSTEM (RADIATOR CAPACITY)	qt.	26.4
		L	25
	ENGINE OIL	qt.	28.5
		L	27
	SWING DRIVE	qt.	5.3
		L	5
	FINAL DRIVE (EACH SIDE)	qt.	3.5
		L	3.3
	HYDRAULIC SYSTEM	US gal.	108
		L	410
	HYDRAULIC TANK	US gal.	63.4
		L	240

WEIGHT

BOOM	19' 4" (5.9 m)	
ARM	9' 10" (3.0 m)	
BUCKET	1.44 yd. ³ (1.1 m ³)	
SHOE WIDTH (TRIPLE GROUSER)	OPERATING WEIGHT	GROUND PRESSURE
23.6" (600 mm)	54,233 lb. (24,600 kg)	7.11 psi (0.49 bar)
27.6" (700 mm)	54,894 lb. (24,900 kg)	6.11 psi (0.42 bar)
31.5" STD. (800 mm)	55,556 lb. (25,200 kg)	5.4 psi (0.37 bar)
35.4" (900 mm)	56,217 lb. (25,500 kg)	4.83 psi (0.33 bar)

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.

CYLINDERS	QUANTITY	BORE x ROD DIAMETER x STROKE
BOOM	2	5.1" x 3.5" x 4' 5" (130 x 90 x 1,355 mm)
ARM	1	5.5" x 3.9" x 5' 7" (140 x 100 x 1,705 mm)
BUCKET	1	5.1" x 3.5" x 3' 7" (130 x 90 x 1080 mm)



BUCKET

CAPACITY		WIDTH		WEIGHT	RECOMMENDATIONS				
SAE, HEAPED	CECE, HEAPED	WITHOUT SIDE CUTTERS	WITH SIDE CUTTERS		17' 5" (5,300 mm)		19' 4" STD. (5,900 mm)		
					6' 7" (2,000 mm)	8' 2" (2,500 mm)	8' 2" (2,500 mm)	9' 10" STD. (3,000 mm)	11' 6" (3,500 mm)
1.37 yd. ³ (1.05 m ³)	1.20 yd. ³ (0.92 m ³)	4' 3" (1,308 mm)	4' 6" (1,370 mm)	1,631 lb. (740 kg)	A	A	A	A	C
1.44 yd. ³ (1.1 m ³)	1.24 yd. ³ (0.95 m ³)	4' 4" (1,315 mm)	4' 6" (1,375 mm)	1,819 lb. (825 kg)	A	A	A	B	-
1.53 yd. ³ (1.17 m ³)	1.31 yd. ³ (1.0 m ³)	4' 8" (1,428 mm)	4' 11" (1,491 mm)	1,753 lb. (795 kg)	A	A	B	C	-
1.69 yd. ³ (1.28 m ³)	1.44 yd. ³ (1.1 m ³)	5' 1" (1,542 mm)	5' 3" (1,605 mm)	1,830 lb. (830 kg)	A	B	B	-	-
1.83 yd. ³ (1.40 m ³)	1.59 yd. ³ (1.22 m ³)	5' 3" (1,606 mm)	5' 6" (1,666 mm)	2,161 lb. (980 kg)	B	C	C	-	-

A. Suitable for materials with density of 3,370 lb./yd.³ (2,000 kg•m³) or less

B. Suitable for materials with density of 2,700 lb./yd.³ (1,600 kg•m³) or less

C. Suitable for materials with density of 1,850 lb./yd.³ (1,100 kg•m³) or less

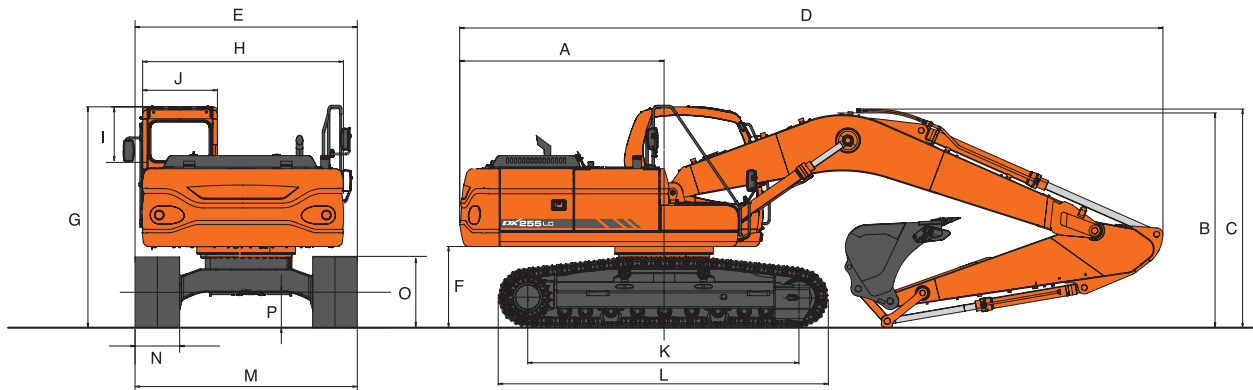
DIGGING FORCE (ISO)

BUCKET (PCSA)	1.37 yd. ³ (1.05 m ³)	1.44 yd. ³ (1.1 m ³)	1.53 yd. ³ (1.17 m ³)	1.69 yd. ³ (1.28 m ³)	1.83 yd. ³ (1.40 m ³)
DIGGING FORCE	41,005 lbf.	40,564 lbf.	41,005 lbf.	41,005 lbf.	40,564 lbf.
	18,600 kgf.	18,400 kgf.	18,600 kgf.	18,600 kgf.	18,400 kgf.
	182.6 kN	180.6 kN	182.6 kN	182.6 kN	180.6 kN

ARM	6' 7" (2,000 mm)	8' 2" (2,500 mm)	9' 10" (3,000 mm)	11' 6" (3,500 mm)
DIGGING FORCE	39,021 lbf.	32,187 lbf.	27,337 lbf.	24,471 lbf.
	17,700 kgf.	14,600 kgf.	12,400 kgf.	11,100 kgf.
	173.7 kN	143.3 kN	121.7 kN	109 kN

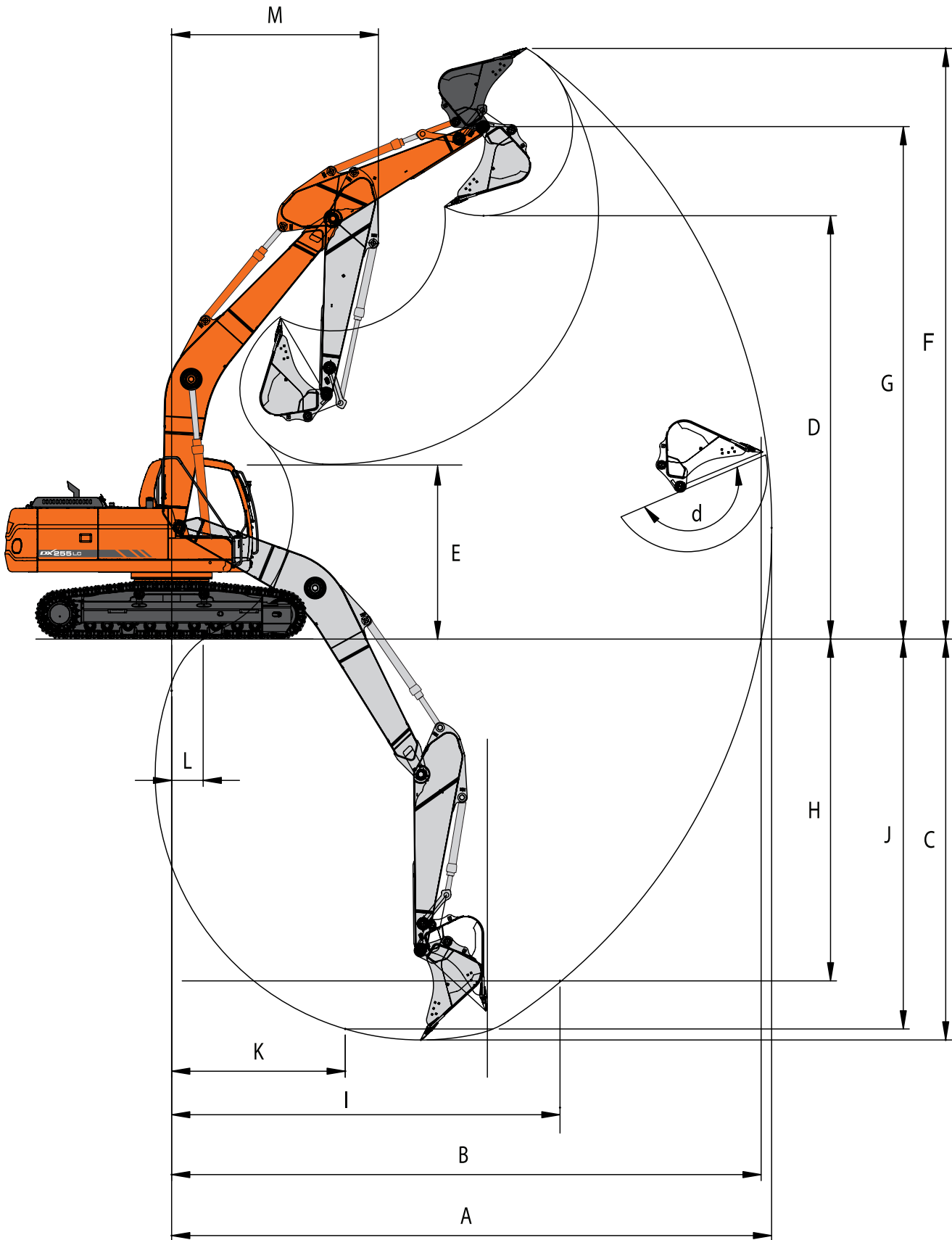
DX255LC

DIMENSIONS



BOOM TYPE		19' 4" STD. (5,900 mm)			17' 5" (5,300 mm)	
ARM TYPE		8' 2" (2,500 mm)	9' 10" STD. (3,000 mm)	11' 6" (3,500 mm)	6' 7" (2,000 mm)	8' 2" (2,500 mm)
BUCKET TYPE (SAE)		1.53 yd. ³ (1.17 m ³)	1.44 yd. ³ (1.1 m ³) STD.	1.22 yd. ³ (0.93 m ³)	1.83 yd. ³ (1.4 m ³)	1.67 yd. ³ (1.28 m ³)
TAIL SWING RADIUS	A	→	9' 10" (2,995 mm)	←	←	←
SHIPPING HEIGHT (BOOM)	B	9' 11" (3,020 mm)	9' 9" (2,960 mm)	10' 3" (3,130 mm)	10' 8" (3,260 mm)	9' 11" (3,030 mm)
SHIPPING HEIGHT (HOSE)	C	10' 5" (3,180 mm)	10' 2" (3,100 mm)	10' 10" (3,290 mm)	11' 2" (3,410 mm)	10' 5" (3,180 mm)
SHIPPING LENGTH	D	33' 1" (10,100 mm)	33' (10,055 mm)	33' 1" (10,080 mm)	31' 4" (9,555 mm)	31' 1" (9,470 mm)
SHIPPING WIDTH	E	→	11' 2" (3,400 mm)	11' 6" (3,500 mm)	11' 2" (3,400 mm)	←
C/WEIGHT CLEARANCE	F	→	3' 8" (1,110 mm)	←	←	←
HEIGHT OVER CABIN	G	→	9' 9" (2,970 mm)	←	←	←
HOUSE WIDTH	H	→	8' 11" (2,710 mm)	←	←	←
CABIN HEIGHT ABOVE HOUSE	I	→	2' 9" (845 mm)	←	←	←
CABIN WIDTH	J	→	3' 4" (1,010 mm)	←	←	←
TUMBLER DISTANCE	K	→	12' 7" (3,835 mm)	←	←	←
TRACK LENGTH	L	→	15' 2" (4,625 mm)	←	←	←
UNDERCARRIAGE WIDTH	M	→	11' 2" (3,400 mm)	11' 6" (3,500 mm)	11' 2" (3,400 mm)	←
SHOE WIDTH	N	→	2' 7" (800 mm)	2' 11" (900 mm)	2' 7" (800 mm)	←
TRACK HEIGHT	O	→	3' 3" (995 mm)	←	←	←
CAR BODY CLEARANCE	P	→	1' 6" (450 mm)	←	←	←

WORKING RANGE



DX255LC

BOOM TYPE		19' 4" STD. (5,900 mm)			17' 5" (5,300 mm)	
ARM TYPE		8' 2" (2,500 mm)	9' 10" STD. (3,000 mm)	11'6" (3,500 mm)	6' 7" (2,000 mm)	8' 2" (2,500 mm)
BUCKET TYPE (SAE)		1.53 yd. ³ (1.17 m ³)	1.44 yd. ³ (1.1 m ³) STD.	1.22 yd. ³ (0.93 m ³)	1.83 yd. ³ (1.4 m ³)	1.67 yd. ³ (1.28 m ³)
MAX. DIGGING REACH	A	31' 10" (9,710 mm)	33' 5" (10,195 mm)	35' (10,665 mm)	28' 7" (8,700 mm)	29' 9" (9,070 mm)
MAX. DIGGING REACH (GROUND)	B	31' 3" (9,515 mm)	32' 10" (10,010 mm)	34' 5" (10,488 mm)	27' 10" (8,481 mm)	29' 1" (8,859 mm)
MAX. DIGGING DEPTH	C	20' 9" (6,315 mm)	22' 4" (6,815 mm)	24' (7,315 mm)	17' 8" (5,380 mm)	19' 3" (5,880 mm)
MAX. LOADING HEIGHT	D	21' 10" (6,645 mm)	22' 9" (6,925 mm)	23' 6" (7,160 mm)	19' 8" (5,990 mm)	19' 9" (6,010 mm)
MIN. LOADING HEIGHT	E	9' 11" (3,030 mm)	8' 4" (2,530 mm)	6' 7" (2,010 mm)	10' (3,055 mm)	8' 3" (2,513 mm)
MAX. DIGGING HEIGHT	F	30' 6" (9,300 mm)	31' 6" (9,605 mm)	32' 4" (9,845 mm)	28' 6" (8,685 mm)	28' 3" (8,610 mm)
MAX. BUCKET PIN HEIGHT	G	26' 8" (8,130 mm)	27' 7" (8,410 mm)	28' 4" (8,645 mm)	24' 6" (7,470 mm)	24' 7" (7,490 mm)
MAX. VERTICAL WALL DEPTH	H	15' 1" (4,595 mm)	17' 2" (5,225 mm)	18' 8" (5,690 mm)	13' 2" (4,015 mm)	13' 3" (4,035 mm)
MAX. RADIUS VERTICAL	I	23' 6" (7,165 mm)	23' 9" (7,230 mm)	24' 4" (7,425 mm)	20' 9" (6,325 mm)	22' 4" (6,795 mm)
MAX. DEPTH TO 8' LINE	J	20' (6,100 mm)	21' 9" (6,630 mm)	23' 5" (7,148 mm)	16' 10" (5,140 mm)	18' 6" (5,630 mm)
MIN. RADIUS 8' LINE	K	9' 8" (2,950 mm)	9' 10" (2,995 mm)	9' 11" (3,035 mm)	8' 5" (2,553 mm)	8' 1" (2,470 mm)
MIN. DIGGING REACH	L	2' 3" (685 mm)	2' (600 mm)	-7" (-190 mm)	5' 11" (1,810 mm)	1' 6" (445 mm)
MIN. SWING RADIUS	M	12' 9" (3,885 mm)	12' 7" (3,845 mm)	12' 8" (3,865 mm)	11' 6" (3,510 mm)	11' 9" (3,580 mm)
BUCKET ANGLE (DEG)	d	175°	175°	175°	175°	175°



STANDARD EQUIPMENT

ENGINE:

DOOSAN DL06:

- Turbo Charged and After Cooled

Electronically Controlled Common Rail Direct Injected

359 cu.in., 6 Cylinder

166 SAE Net Flywheel Horsepower @ 1,900 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

Main Pump, Tandem Variable Axial Piston Type

- Pressure Setting 4,978 psi

Pilot Circuit: Gear Type Pump

Swing Motor, Axial Piston Type

Swing Speed Control up to 10.1 rpm

Spring Set, Hydraulic-Released Brakes

Travel Motor, Axial Piston Type, Automatic 2-Speed Control

Travel Speed (High / Low): 3.2 mph / 1.9 mph

In-Shoe Design, Oil Disc Parking Brake

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

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:

- Auxiliary Mode Switch
- Engine Emergency Stop Switch
- Work Light Switch
- Travel Speed Selector Switch
- Breaker, Power-Up, Shear 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

Travel Pedals with Hand Levers

Emergency Breakout Tool

Lunch Box with Hot & Cool Air

12V Power Socket

Joystick Lever with 3 Switches

Cup Holder

Room Light

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

Viscous Cab Mounts

DX255LC

ELECTRICAL:

Alternator:

- 60 Amp

Batteries:

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

Starter:

- 24V, 4.5 kW

Lights:

- Halogen Working Light (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
- Digital Clock
- Engine Check Warning Light
- Engine Oil Pressure Warning Light
- Charge Warning Light
- Preheat Indicator Light
- Coolant Temperature Warning Light
- Work Light Indicator Light

Operation Modes for:

- Power Mode Select Button
- Flow Rate Control
- Auto Idle Select Button

- 4 Display Selection Buttons
- Trenching Mode Select Button

UNDERCARRIAGE:

Track Guards and Chains with Adjusters

Track Rollers:

- (2) Upper, (10) Lower Each Side

Triple Grouser Shoes:

- 51 Each Side; 800 mm Width

OTHER STANDARD EQUIPMENT:

Joystick Pattern Change Valve

Counterweight:

- 10,362 lb. (4,700 kg)

Sealed Pins, Boom, Arm and Bucket Linkages

Swing Mechanism, Internal Gear and Pinion

Integrated Track Spring and Idler

Centralized Lube Points

Large Handrail

Punched Metal Anti-slip Plates

Ultra-Hard Wear-Resistant Disc at the Bucket Pivot

Engine Restart Prevention System

Self-Diagnostic System

Manuals:

- Parts and Operator's

GPS with 1 Year Subscription



OPTIONAL EQUIPMENT

HYDRAULIC KITS - FACTORY INSTALLED

Boom Arm Lock Valve w/Piping
Single Acting Breaker Kit
Double Acting Thumb 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 Assembly Kit
Lock Valve

DOOSAN BUCKETS – DEALER INSTALLED

.82 yd³ 30" width Bucket
1.00 yd³ 36" width Bucket
1.20 yd³ 42" width Bucket
1.45 yd³ 48" width Bucket
.93 yd³ 48" width Ditching Bucket
.98 yd³ 60" width Ditching Bucket
1.2 yd³ 72" width Ditching Bucke

DOOSAN COUPLERS - DEALER INSTALLED

Hydraulic Quick Coupler
Manual Quick Coupler

DOOSAN THUMBS - DEALER INSTALLED

Hydraulic Pro Link Thumb
Mechanical Thumb

DOOSAN BREAKER - DEALER INSTALLED

Hydraulic Breaker

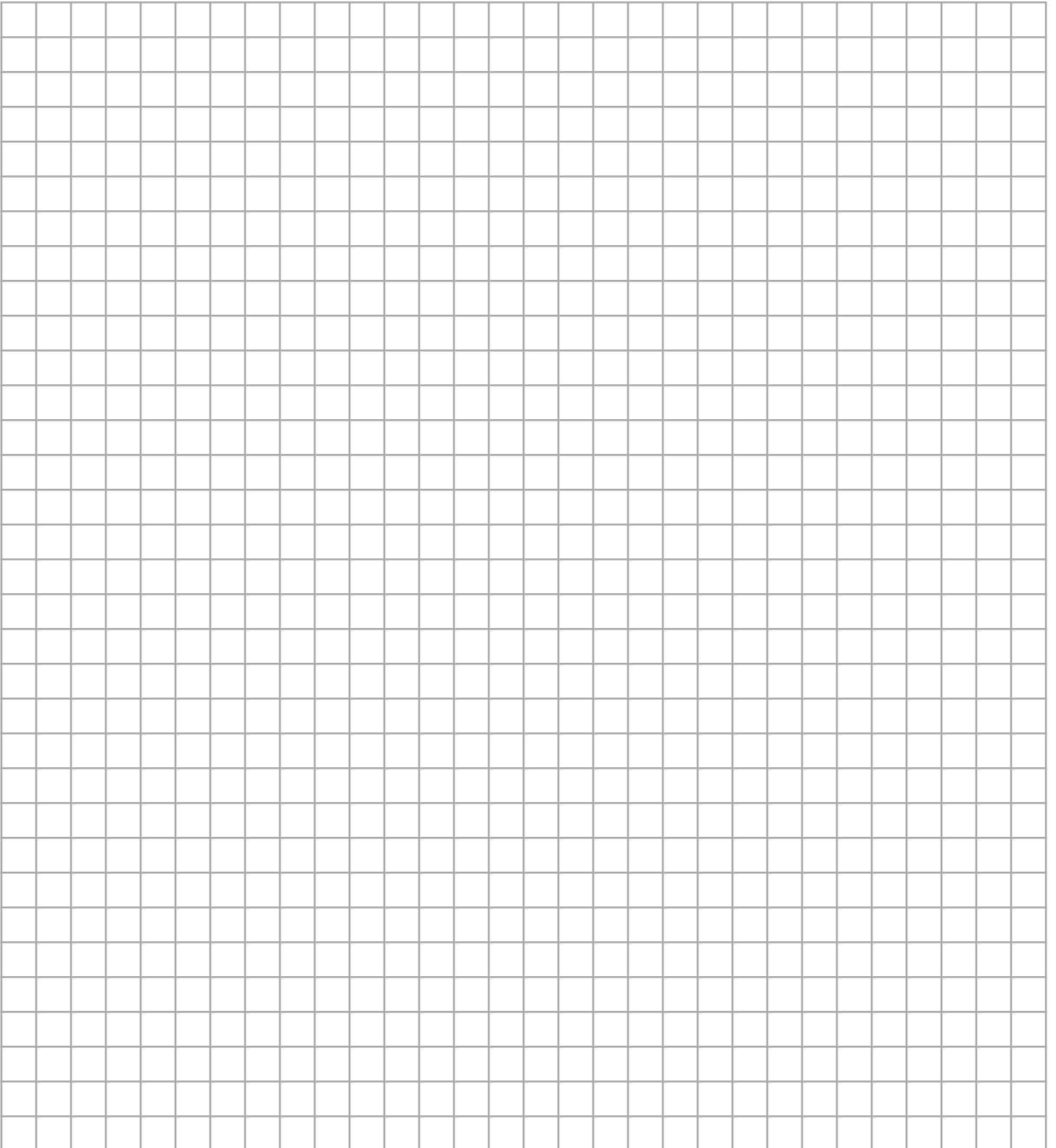
HYDRAULIC KITS - DEALER INSTALLED

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

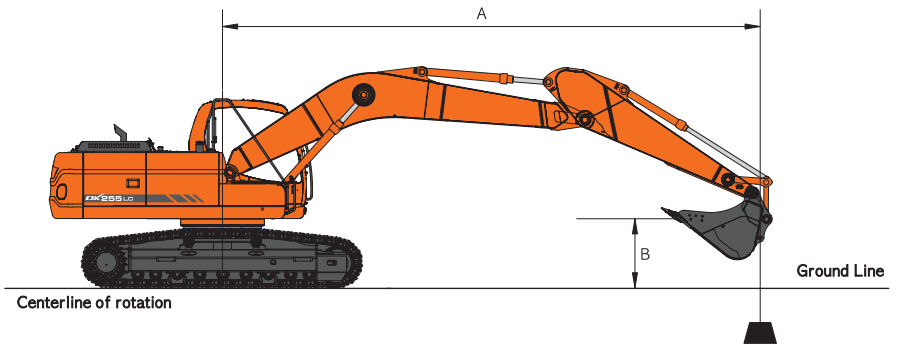
NOTES

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



LIFTING CAPACITY

- Boom: 17'5" (5,300 mm)
- Arm: 6'7" (2,000 mm)
- Bucket: SAE 1.83 yd.³ (1.4 m³)
- Shoe: 31.5" (800 mm)
- Counterweight: 5.18 ton (4.7 metric ton)



Feet Unit: 1,000 lb.

B (ft.) \ A (ft.)	10		15		20		MAX. REACH		
									A (ft.)
20							9.83*	9.83*	19.62
15			17.99*	17.99*	15.59*	13.04	9.67*	9.67*	22.33
10	21.07*	21.07*	22.19*	19.72	17.23*	12.51	10.14*	9.45	23.71
5			25.86*	18.56	18.51	11.98	11.29*	9.05	23.97
0 (GROUND)	25.66*	25.66*	27.26*	18.02	18.15	11.66	13.50*	9.39	23.16
-5	37.42*	36.68	26.19*	18.01	18.15	11.66	16.68	10.78	21.14
-10	30.68*	30.68*	21.86*	18.47			17.83*	14.65	17.50

Metric Unit: 1,000 kg

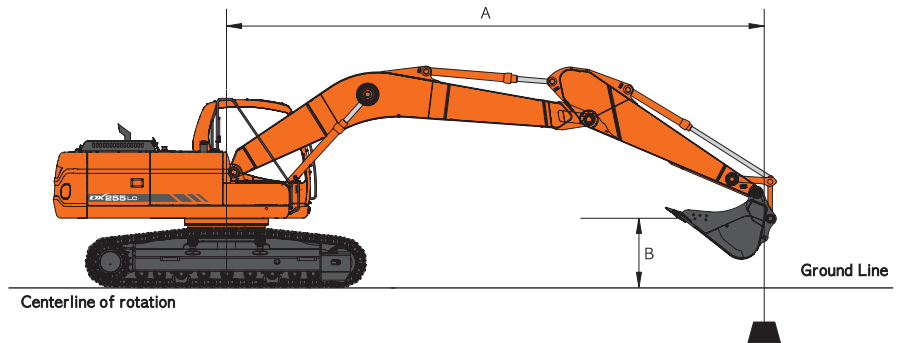
B (m) \ A (m)	2		3		4		5		6		7		MAX. REACH		
															A (m)
7							7.32*	7.32*					7.35*	7.35*	5.06
6							7.19*	7.19*					7.12*	6.14	5.92
5							7.71*	7.71*	7.16*	6.01			7.07*	5.16	6.51
4					10.41*	10.41*	8.57*	8.05	7.57*	5.92			7.01	4.61	6.90
3							9.58*	7.77	8.12*	5.79	6.78	4.45	6.56	4.3	7.13
2							10.49*	7.51	8.66*	5.65	6.72	4.39	6.38	4.16	7.21
1							11.09*	7.33	8.59	5.53	6.66	4.33	6.42	4.18	7.15
0 (GROUND)					14.37*	10.28	11.29*	7.23	8.51	5.47			6.71	4.36	6.95
-1			14.72*	14.72*	13.86*	10.32	11.07*	7.21	8.5	5.46			7.33	4.75	6.59
-2	16.25*	16.25*	15.86*	15.86*	12.82*	10.43	10.30*	7.28	8.04*	5.53			7.94*	5.48	6.04
-3			13.53*	13.53*	10.98*	10.64	8.53*	7.45					7.85*	6.96	5.24

- 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

DX255LC

Boom: 17'5" (5,300 mm)
Arm: 8'2" (2,500 mm)
Bucket: SAE 1.69 yd.³ (1.28 m³)
Shoe: 31.5" (800 mm)
Counterweight: 5.18 ton (4.7 metric ton)



Feet

Unit: 1,000 lb.

B (ft.) \ A (ft.)	5		10		15		20		MAX. REACH		A (ft.)
20							14.14*	13.28	12.32*	12.32*	20.67
15					17.11*	17.11*	14.90*	13.12	12.24*	9.97	23.27
10					21.50*	20.16	16.75*	12.64	12.86*	8.87	24.58
5					25.50*	18.96	18.67*	12.13	13.04	8.52	24.84
0 (GROUND)			25.31*	25.31*	27.36*	18.33	18.3	11.78	13.6	8.85	24.05
-5	26.00*	26.00*	39.08*	36.95	26.76*	18.23	18.21	11.7	15.53	10.07	22.13
-10			32.97*	32.97*	23.16*	18.57			17.39*	13.3	18.68

Metric

Unit: 1,000 kg

B (m) \ A (m)	2		3		4		5		6		7		MAX. REACH		A (m)
7													5.83*	5.83*	5.58
6									6.40*	6.21			5.58*	5.55	6.36
5							7.04*	7.04*	6.62*	6.16			5.53*	4.76	6.91
4			12.26*	12.26*	9.39*	9.39*	7.94*	7.94*	7.10*	6.04	6.63*	4.61	5.62*	4.29	7.28
3					11.32*	11.32*	9.01*	7.9	7.72*	5.88	6.89	4.54	5.85*	4.01	7.50
2					13.02*	10.8	10.03*	7.61	8.34*	5.71	6.79	4.45	5.93	3.88	7.58
1					14.07*	10.45	10.80*	7.38	8.63	5.57	6.7	4.37	5.95	3.88	7.52
0 (GROUND)			11.06*	11.06*	14.43*	10.29	11.21*	7.24	8.52	5.47	6.64	4.32	6.17	4.01	7.33
-1	10.36*	10.36*	15.80*	15.80*	14.22*	10.25	11.22*	7.18	8.47	5.43			6.65	4.32	6.99
-2	15.52*	15.52*	17.27*	17.27*	13.48*	10.32	10.74*	7.2	8.5	5.46			7.54	4.88	6.47
-3	19.76*	19.7*	15.25*	15.25*	12.06*	10.47	9.59*	7.31					7.88*	5.96	5.73
-4			12.04*	12.04*	9.49*	9.49*							7.76*	7.76*	4.67

- 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

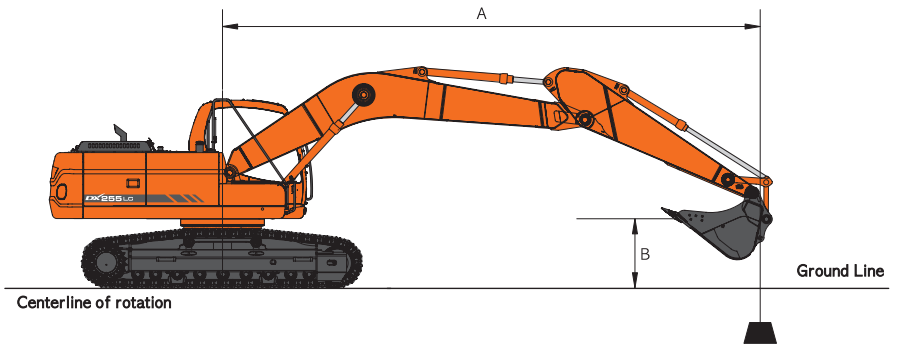
Boom: 19'4" (5,900 mm)

Arm: 9'10" (3,000 mm)

Bucket: SAE 1.44 yd.³ (1.1 m³)

Shoe: 31.5" (800 mm)

Counterweight: 5.18 ton (4.7 metric ton)



Feet

Unit: 1,000 lb.

B (ft.) \ A (ft.)	5		10		15		20		25		MAX. REACH		A (ft.)
25											7.52*	7.52*	22.16
20									8.47*	8.47*	7.21*	7.21*	25.60
15							12.30*	12.30*	11.34*	8.98	7.31*	7.31*	27.74
10			29.84*	29.84*	18.67*	18.67*	14.47*	12.5	12.39*	8.6	7.73*	6.63	28.86
5			19.36*	19.36*	23.06*	18.24	16.72*	11.71	12.68	8.2	8.54*	6.34	29.07
0 (GROUND)			22.13*	22.13*	25.66*	17.26	17.62	11.13	12.34	7.88	9.92*	6.43	28.41
-5	20.67*	20.67*	29.81*	29.81*	26.18*	16.93	17.31	10.85	12.18	7.74	10.96	6.97	26.80
-10	29.19*	29.19*	35.98*	34.94	24.74*	17.04	17.34	10.88			13.03	8.3	24.05
-15			29.33*	29.33*	20.74*	17.56					14.98*	11.61	19.65

Metric

Unit: 1,000 kg

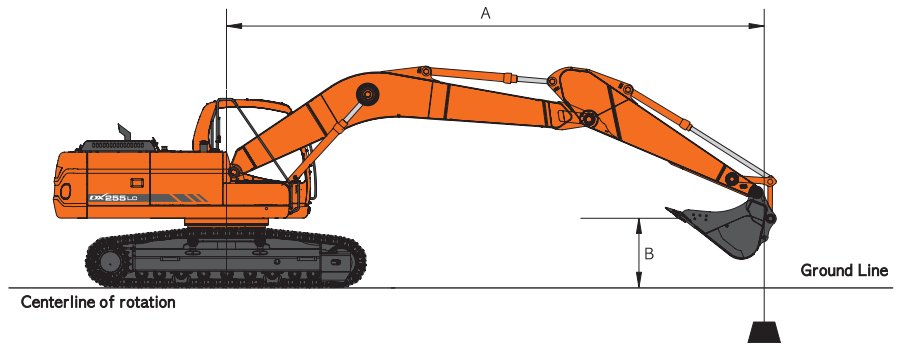
B (m) \ A (m)	2		3		4		5		6		7		8		MAX. REACH		A (m)
8									4.80*	4.80*					4.16*	4.16*	6.18
7											4.07*	4.07*			3.90*	3.90*	7.04
6									5.35*	5.35*	5.24*	4.71			3.78*	3.78*	7.67
5									5.79*	5.79*	5.46*	4.66	4.49*	3.6	3.76*	3.47	8.14
4			12.01*	12.01*	8.89*	8.89*	7.33*	7.33*	6.41*	5.96	5.82*	4.56	5.45	3.56	3.82*	3.18	8.45
3					10.88*	10.88*	8.46*	7.72	7.11*	5.75	6.26*	4.44	5.38	3.5	3.94*	3.01	8.64
2					12.59*	10.44	9.52*	7.37	7.79*	5.54	6.65	4.31	5.31	3.42	4.15*	2.92	8.71
1					13.62*	10.05	10.33*	7.1	8.35*	5.36	6.53	4.19	5.23	3.36	4.46*	2.92	8.66
0 (GROUND)			7.33*	7.33*	14.00*	9.86	10.79*	6.93	8.27	5.23	6.43	4.11	5.18	3.31	4.7	2.99	8.49
-1	7.19*	7.19*	10.51*	10.51*	13.90*	9.82	10.91*	6.85	8.19	5.16	6.38	4.06	5.16	3.29	4.96	3.16	8.20
-2	10.72*	10.72*	14.19*	14.19*	13.41*	9.86	10.69*	6.85	8.18	5.15	6.38	4.06			5.43	3.47	7.76
-3	14.47*	14.47*	15.84*	15.84*	12.50*	9.97	10.07*	6.91	8.21*	5.19	6.44	4.12			6.22	3.98	7.16
-4	17.91*	17.91*	13.80*	13.80*	11.03*	10.17	8.90*	7.05	7.06*	5.32					6.35*	4.91	6.35
-5			10.72*	10.72*	8.62*	8.62*	6.63*	6.63*							6.13*	6.13*	5.22

- 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

DX255LC

Boom: 19'4" (5,900 mm)
Arm: 11'6" (3,500 mm)
Bucket: SAE 1.20 yd.³ (.92 m³)
Shoe: 35.43" (900 mm)
Counterweight: 5.18 ton (4.7 metric ton)



Feet

Unit: 1,000 lb.

B (ft.) \ A (ft.)	5		10		15		20		25		30		MAX. REACH		A (ft.)
25													6.59*	6.59*	23.87
20									9.21*	9.21*			6.31*	6.31*	27.10
15							11.53*	11.53*	10.80*	9.35			6.35*	6.35*	29.13
10			26.31*	26.31*	17.36*	17.36*	13.78*	12.94	11.95*	8.93	7.15*	6.44	6.65*	6.36	30.19
5			23.75*	23.75*	22.07*	18.86	16.18*	12.09	13.03	8.48	8.45*	6.23	7.26*	6.09	30.39
0 (GROUND)			22.58*	22.58*	25.21*	17.71	18.02	11.44	12.63	8.12			8.29*	6.15	29.75
-5	19.01*	19.01*	28.29*	28.29*	26.29*	17.22	17.61	11.08	12.41	7.92			10.04*	6.6	28.23
-10	26.41*	26.41*	37.34*	35.1	25.43*	17.21	17.55	11.03	12.44	7.94			12	7.67	25.62
-15	35.54*	35.54*	31.96*	31.96*	22.24*	17.61	16.08*	11.32					14.34*	10.16	21.57
-20													14.55*	14.55*	14.92

Metric

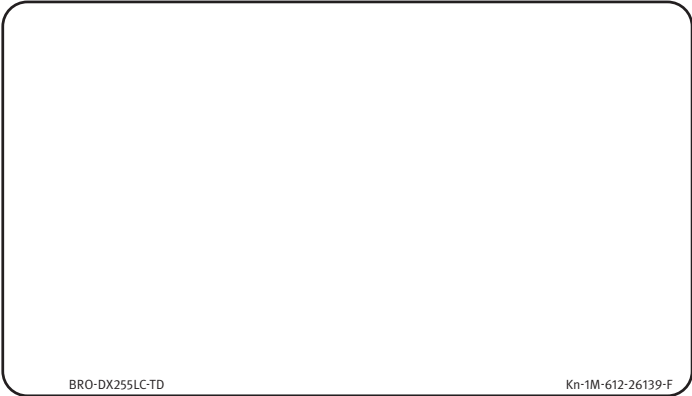
Unit: 1,000 kg

B (m) \ A (m)	2		3		4		5		6		7		8		9		MAX. REACH		A (m)
8																	3.45*	3.45*	6.83
7											4.70*	4.70*					3.25*	3.25*	7.61
6											4.86*	4.86*	3.90*	3.83			3.16*	3.16*	8.21
5									5.36*	5.36*	5.12*	4.88	4.99*	3.81			3.14*	3.14*	8.64
4						6.72*	6.72*	5.99*	5.99*	5.52*	4.76	5.20*	3.75				3.17*	3.02	8.93
3					9.89*	9.89*	7.89*	7.89*	6.73*	5.97	5.99*	4.62	5.49*	3.66	3.86*	2.94	3.27*	2.86	9.11
2					11.78*	10.85	9.03*	7.63	7.46*	5.73	6.47*	4.47	5.59	3.57	4.41*	2.89	3.42*	2.78	9.18
1					13.13*	10.35	9.98*	7.31	8.11*	5.53	6.83	4.34	5.5	3.49	4.49*	2.84	3.64*	2.77	9.13
0 (GROUND)			8.10*	8.10*	13.84*	10.06	10.61*	7.09	8.59*	5.37	6.71	4.23	5.42	3.42			3.96*	2.83	8.97
-1	7.18*	7.18*	10.30*	10.30*	14.02*	9.94	10.91*	6.97	8.5	5.27	6.64	4.16	5.38	3.38			4.40*	2.96	8.70
-2	9.84*	9.84*	13.11*	13.11*	13.77*	9.93	10.87*	6.93	8.45	5.23	6.61	4.13	5.37	3.37			5.04*	3.2	8.29
-3	12.81*	12.81*	16.68*	16.68*	13.10*	10	10.46*	6.95	8.47	5.24	6.63	4.16					5.71	3.6	7.73
-4	16.44*	16.44*	15.24*	15.24*	11.93*	10.15	9.60*	7.05	7.79*	5.33							6.12*	4.27	6.98
-5	16.71*	16.71*	12.66*	12.66*	10.04*	10.04*	8.01*	7.24									6.10*	5.56	5.97

- 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



BRO-DX255LC-TD

Kn-1M-612-26139-F

For more information visit www.doosanequipment.com



Doosan and the Doosan logo are registered trademarks of Doosan Corp. in the United States and various other countries around the world. ©2012 Doosan Infracore Construction Equipment America. All rights reserved.