

# DOOSAN

## COMPACT EXCAVATORS

**DX63-3**

6250 kg

13,779 lb

59 hp (44 kw)

**DX85R-3**

8600 kg

18,960 lb

59 hp (44 kw)

6-10 METRIC TON



# DOOSAN DELIVERS *a heritage of dedication*

DOOSAN, a strong, stable and global company with a 118-year legacy, has a heritage in equipment manufacturing that began in 1937. Since 2005, we've grown to become the fifth largest construction equipment manufacturer in the world.

*Doosan can be found in every area of the infrastructure support business, which encompasses many facets of the heavy construction equipment industry.*

Many contractors might be surprised to know that, while Doosan is a relatively young brand in the North American construction equipment market, the organization has a global manufacturing history going back more than 75 years.

Today, Doosan Infracore Construction Equipment America (DICEA) and its affiliates are industry leaders in the engineering, manufacturing and marketing of construction equipment including skid-steers, excavators,

wheel loaders, articulated dump trucks, attachments, air compressors, lighting systems and generators as well as compact construction equipment and engine power systems.

### Building your tomorrow today.

Our construction equipment group leads Doosan's infrastructure support business (ISB) segment. Other ISB businesses include:

- Forklifts & Material Handling
- Machine Tools
- Castings & Forgings
- Construction & Engineering
- Power Generation
- Water Treatment & Desalination
- Renewable Energy



### Your North American partners.

Throughout our decades of selling equipment in North America, we've been building a network of dealers designed to surpass the standards for customer service. From coast to coast, there's a solid infrastructure that supports your equipment, including a parts distribution facility in Chicago and a service training facility in Georgia, sales training center in Arizona, attachments design and development in Minnesota and sales & marketing support in North Dakota.



West Fargo, ND  
Sales & Marketing

Tucson, AZ  
Product Training & Testing

Litchfield, MN  
Heavy Attachments

Chicago, IL  
Parts Distribution

Suwanee, GA  
Service Training & Product Management

Atlanta, GA  
DICEA, NA Headquarters

## General

### STANDARD CONFIGURATION

	UNIT	DX63-3	DX85R-3
<b>ENGINE</b>			
MODEL		Yanmar 4TNV98C	Yanmar 4TNV98C
NUMBER OF CYLINDERS		4	4
RATED POWER GROSS (HP per SAE J1995)	hp (kW) @ rpm	59.4 (44.3)@2,100	59.4 (44.3)@2,100
RATED POWER NET (HP per SAE J1349) NET	hp (kW) @ rpm	58.6 (43.7)@2,100	58.6 (43.7)@2,100
MAXIMUM TORQUE (GROSS) (SAE J1995)	ft.-lb. (Nm) @ rpm	178 (241)@1,365	178 (241)@1,365
PISTON DISPLACEMENT	in. <sup>3</sup> (cc)	203 (3319)	203 (3319)
BORE AND STROKE	in. x in. (mm x mm)	3.9 x 4.3 (98 x 110)	3.9 x 4.3 (98 x 110)
STARTER	V, kW	12 V, 3.0 kW	12 V, 3.0 kW
BATTERIES	V, AH	12V, 100AH	12V, 100AH
AIR CLEANER		Double Element	Double Element
<b>HYDRAULICS</b>			
MAIN PUMPS	gpm (L/min)	35 (132)	40 (151)
PILOT PUMP Gear design	gpm (L/min)	N/A	6.1 (23.1)
RELIEF PRESSURE (Normal)	psi (kg/cm <sup>2</sup> )	3,627 (255)	4,267 (300)
<b>MAXIMUM SYSTEM PRESSURE</b>			
BOOM/ARM/BUCKET (Normal Mode)	psi (kg/cm <sup>2</sup> )	3,627 (255)	4,267 (300)
TRAVEL (Normal Mode)	psi (kg/cm <sup>2</sup> )	3,627 (255)	4,267 (300)
SWING (Normal Mode)	psi (kg/cm <sup>2</sup> )	3,627 (255)	4,267 (300)
<b>UNDERCARRIAGE</b>			
UPPER ROLLERS		1	1
LOWER ROLLERS		5	5
NUMBER OF SHOES (LINKS PER SIDE)		39	39
TOTAL LENGTH OF TRACK	ft. in. (mm)	8'2" (2500)	9'3" (2825)
<b>ENVIRONMENT</b>			
SOUND LEVEL (2000/14/EC)	dB(A)	98	98
CABIN SOUND LEVEL (ISO 6396)	dB(A)	74	71
<b>SWING MECHANISM</b>			
SWING SPEED	rpm	9.4	9.5
SWING TORQUE	lb.-ft. (kgf-m)	9,526 (1317)	14,104 (1950)
<b>DRIVE SYSTEM</b>			
TRAVEL SPEED [LOW - HIGH]	mph (km/h)	1.7 - 2.7 (2.7 - 4.4)	1.7 - 2.9 (2.7 - 4.7)
DRAWBAR PULL	lb. (kg)	12,346 (5600)	14,551 (6600)
MAXIMUM GRADE	% (°)	58%	58%
<b>REFILL CAPACITIES</b>			
FUEL TANK	gal. (L)	20.6 (78)	29.1 (110)
COOLING SYSTEM (RADIATOR CAPACITY)	gal. (L)	2.6 (10)	2.6 (10)
ENGINE OIL	gal. (L)	2.7 (10.2)	2.7 (10.2)
FINAL DRIVE (EACH SIDE)	gal. (L)	0.4 (1.4)	0.3 (1.2)
HYDRAULIC SYSTEM	gal. (L)	29.3 (111)	39.1 (148)
HYDRAULIC TANK (Level)	gal. (L)	17.2 (65)	23 (87)

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 excavators 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 excavators equipped with standard tracks.

## Weight

	UNIT	DX63-3	DX85R-3
<b>CATEGORY</b>			
BOOM	ft. in. (mm)	9' 6" (2900)	11' 1" (3380)
ARM	ft. in. (mm)	6' 3" (1900)	7' 5" (2250)
BUCKET	yd <sup>3</sup> (m <sup>3</sup> )	0.24 (0.18)	0.37 (0.28)
DOZER BLADE WIDTH	ft. in. (mm)	6' 6" (1980)	7' 7" (2300)
<b>DIMENSIONS</b>			
Rubber Track Width - 15.75" (400 mm)			
OPERATING WEIGHT	lb. (kg)	13,779 (6250)*	
GROUND PRESSURE	psi (kgf/cm <sup>2</sup> )	5.1 (.36)	
Steel Track Width - 15.75" (400 mm)			
OPERATING WEIGHT	lb. (kg)	14,043 (6370)	
GROUND PRESSURE	psi (kgf/cm <sup>2</sup> )	5.1 (.36)	
Rubber Track Width - 17.7" (450 mm)			
OPERATING WEIGHT	lb. (kg)		18,960 (8600)*
GROUND PRESSURE	psi (kgf/cm <sup>2</sup> )		5.5 (.39)
Steel Track Width - 17.7" (450 mm)			
OPERATING WEIGHT	lb. (kg)		19,026 (8630)
GROUND PRESSURE	psi (kgf/cm <sup>2</sup> )		5.5 (.39)

\* = Standard Track

## Hydraulic Cylinders

	UNIT	DX63-3	DX85R-3
<b>BOOM (1)</b>			
BORE x ROD DIAMETER x STROKE (STD)	in. x in. x in. (mm x mm x mm)	4.1 x 2.4 x 28.8 (105 x 60 x 731)	4.5 x 2.8 x 30.5 (115 x 70 x 775)
<b>ARM (1)</b>			
BORE x ROD DIAMETER x STROKE (STD)	in. x in. x in. (mm x mm x mm)	3.3 x 2.2 x 33.7 (85 x 55 x 856)	3.9 x 2.6 x 34.1 (100 x 65 x 866)
<b>BUCKET (1)</b>			
BORE x ROD DIAMETER x STROKE (STD)	in. x in. x in. (mm x mm x mm)	3.1 x 2.0 x 23.6 (80 x 50 x 600)	3.5 x 2.4 x 27.2 (90 x 60 x 690)

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.

# Specifications

## Bucket

### DX63-3

BOOM	9' 6" (2900 mm)
ARM	6' 3" (1900 mm)
TRACK TYPE	FIXED (RUBBER)
SHOE SIZE	15.7" (400 mm)
MOUNT	Pin-On Quick Coupler

BUCKET TYPE	MODEL	CAPACITY <sup>1</sup> yd <sup>3</sup> (m <sup>3</sup> )	WIDTH in. (mm)	WEIGHT lb. (kg)		
HEAVY DUTY <sup>2,3</sup>	MX4HD012	0.08 (0.06)	12 (300)	198 (90)	A	A
	MX4HD16	0.12 (0.09)	16 (400)	234 (106)	A	A
	MX4HD18	0.14 (0.11)	18 (450)	249 (113)	A	A
	MX4HD20	0.16 (0.12)	20 (500)	272 (124)	A	A
	MX4HD24	0.20 (0.15)	24 (600)	311 (141)	A	A
	MX4HD30	0.26 (0.20)	30 (750)	357 (162)	B	C
DITCHING <sup>4</sup>	8NSB-036	0.25 (0.19)	36 (900)	358 (162)	B	C
	8NSB-048	0.30 (0.23)	48 (1219)	370 (168)	B	C
	8NSB-060	0.38 (0.29)	60 (1524)	410 (186)	C	X

### DX85R-3

BOOM	11' 1" (3380 mm)
ARM	7' 5" (2250 mm)
TRACK TYPE	FIXED (RUBBER)
SHOE SIZE	17.7" (450 mm)
MOUNT	Pin-On Quick Coupler

BUCKET TYPE	MODEL	CAPACITY <sup>1</sup> yd <sup>3</sup> (m <sup>3</sup> )	WIDTH in. (mm)	WEIGHT lb. (kg)		
HEAVY DUTY <sup>2,3</sup>	MX6HD012	0.13 (0.10)	12 (300)	359 (163)	A	A
	MX6HD016	0.19 (0.15)	16 (400)	401 (182)	A	A
	MX6HD018	0.23 (0.17)	18 (450)	431 (195)	A	A
	MX6HD024	0.33 (0.25)	24 (600)	502 (227)	A	B
	MX6HD030	0.43 (0.33)	30 (750)	564 (256)	C	C
	MX6HD036	0.53 (0.41)	36 (900)	637 (289)	C	X
DITCHING <sup>4</sup>	9NSB-036	0.25 (0.19)	36 (900)	358 (162)	A	A
	9NSB-048	0.31 (0.23)	48 (1219)	460 (208)	A	A
	9NSB-060	0.38 (0.29)	60 (1524)	580 (262)	B	C
	8NSB-060	0.38 (0.29)	60 (1524)	410 (186)	C	X

- Capacity based on ISO 7451
- Equipped with Side Cutters
- Equipped with Bolt On Teeth
- Equipped with Bolt On Cutting Edge

**Maximum Suitable Material Density**  
 A 3,370 lb./yd<sup>3</sup> (2,000 kg/m<sup>3</sup>)  
 B 2,700 lb./yd<sup>3</sup> (1,600 kg/m<sup>3</sup>)  
 C 1,850 lb./yd<sup>3</sup> (1,100 kg/m<sup>3</sup>)  
 X Not Recommended

## Digging Force (ISO)

### DX63-3

BUCKET (PCSA)	BUCKET SIZE (SAE)	0.24 yd <sup>3</sup> (0.18 m <sup>3</sup> ) STD
DIGGING FORCE	lbf.	9,731
	kgf	4414
	kN	43
ARM	ARM SIZE	6'3" (1900 mm) STD
DIGGING FORCE	lbf.	5,765
	kgf	2615
	kN	26

### DX85R-3

BUCKET (PCSA)	BUCKET SIZE (SAE)	0.37 yd <sup>3</sup> (0.28 m <sup>3</sup> ) STD
DIGGING FORCE	lbf.	14,509
	kgf	6581
	kN	65
ARM	ARM SIZE	7'5" (2250 mm) STD
DIGGING FORCE	lbf.	8,069
	kgf	3660
	kN	36

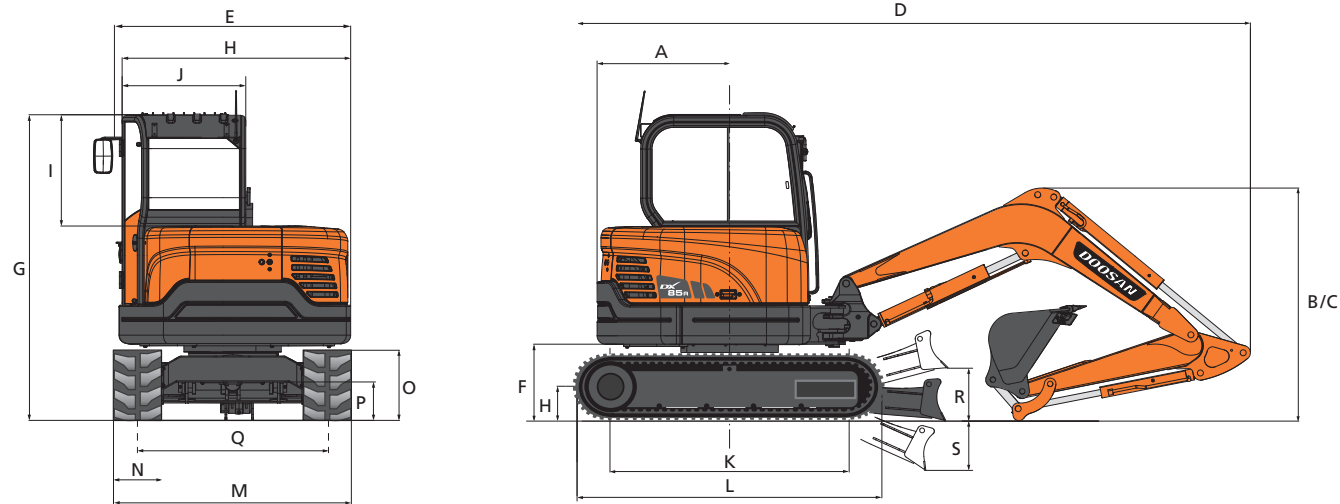
## Standard/Optional Equipment

	DX63-3	DX85R-3
<b>ENGINE</b>		
Emissions (EPA) Tier4 Compliant	T4	T4
Diesel Particulate Filter (DPF)	•	•
Direct Fuel Injected	•	•
Fuel Filter with Water Separator	•	•
Coolant Recovery Tank	•	•
Dual Element Dry-Type Air Filter	•	•
Electronic Engine Control	•	•
Auto Preheat Cold Start Assist	•	•
Auto-Idle	•	•
Overheat & Low Oil Pressure Engine Protection	•	•
<b>HYDRAULIC</b>		
Variable Axial Piston Main Pump (Tandem)	•	•
Load Sensing Pump Control	•	•
Pilot Operated Control Valves	•	•
Gear Pilot Pump	–	•
Axial Piston Swing Motor	•	•
Spring Applied Hydraulic Release Brake	•	•
Axial Piston Travel Motor (High/Low, Auto)	•	•
Auxiliary Hydraulics, Two-Way	•	•
Adjustable Auxiliary Flow	•	•
Boom Lock Valve	•	•
<b>CABIN</b>		
Steel, All-Weather & Sound Suppressed	•	•
ROPS / TOPS	•	•
Front Window with Wiper/Washer	•	•
Tinted Safety Glass	•	•
Skylight	•	•
Visor, Front Window and Skylight	•	•
Pull Up Type Front Window	•	•
Sliding Side Door Windows	•	•
Lockable Doors	•	•
Seat		
- 2" (51 mm) Seat Belt	•	•
- Adjustable Height & Recline	•	•
- Adjustable Arm Rests	•	•
3" (76 mm) Seat Belt	•	•
Control Stands		
- Height Adjustable	•	•
- Mounted to Seat Base	•	•
Storage for Operator's Manuals	•	•
Mirrors	•	•
Air Conditioner with Heater	•	•
Deluxe Color Instrumentation Panel	•	•
AM/FM Stereo with CD Player & MP3 Port	•	•
Speakers (2)	•	•
Emergency Breakout Tool	•	•
Power Socket, 12V	•	•
Interior Light	•	•
Guard, FOGS	•	•

- Standard Equipment
- Optional Equipment
- N/A

	DX63-3	DX85R-3
<b>ELECTRICAL</b>		
Alternator - 12V, 80 Amp	•	•
12V Battery, 900 CCA @ 0° F (-18° C)	•	•
Light: Cabin (1), Boom (2)	•	•
Rotating Beacon	•	•
Hour Meter	•	•
Engine Restart Prevention System	•	•
Laptop Service Port	•	•
Self-Diagnostics System	•	•
<b>DISPLAY MONITOR &amp; WARNINGS</b>		
Buzzer		
- Engine Oil Pressure	•	•
- Coolant Temperature		
Instrumentation		
-Air Filter Restriction Indicator		
-Auto-Idle Indicator		
-Auxiliary Flow Mode Indicator		
-Clock - Day & Time		
-DPF Status Indicator		
-Engine Check Warning Light		
-Engine Oil Pressure Light w/ Audible Alarm	•	•
-Engine Temperature Gauge w/ Audible Alarm		
-Fuel Gauge with Low Fuel Indicator		
-Hour Meter		
-Pre-Heat (cold start assist) Indicator		
-Two Speed Travel Indicator Light		
Travel Alarm	•	•
<b>UNDERCARRIAGE</b>		
Track Rollers, Upper (1 Each Side)	•	•
Track Rollers, Lower (5 Each Side)	•	•
Rubber Tracks - 450 mm	–	•
Rubber Tracks - 400 mm	•	–
Shoes, Grouser - 450 mm (39 Each Side)	–	•
Shoes, Grouser - 400 mm (39 Each Side)	•	–
<b>CONTROLS</b>		
Joystick Controls		
-Two Hydraulic Joysticks Control Boom, Arm, Bucket & Slew Functions	•	•
-Thumb Buttons Control Auxiliary Hydraulics & Boom Swing		
Blade Control Lever	•	•
Pattern Control Change Valve (SAE, ISO)	•	•
Engine Speed Control Dial	•	•
Travel Pedals with Hand Levers	•	•
Switches, Console Mounted		
- Starter (Key)		
- Work Light		
- DPF Regeneration	•	•
- Wiper Switch		
- Washer Switch		
- Engine Speed Dial		
- Audio Control Panel		
<b>OTHER</b>		
Centralized Lubrication		
- Swing Pinion	•	•
- Swing Bearing		
- Offset Cylinder		
Dozer Blade	•	•
Manuals		
- Operations & Maintenance	•	•
- Parts		
- AEM Safety Manual		
Vandalism Protection		
- Lockable Panels	•	•
- Lockable Fluid Fill Points		
48-Hour Parts Guarantee	•	•

## Dimensions



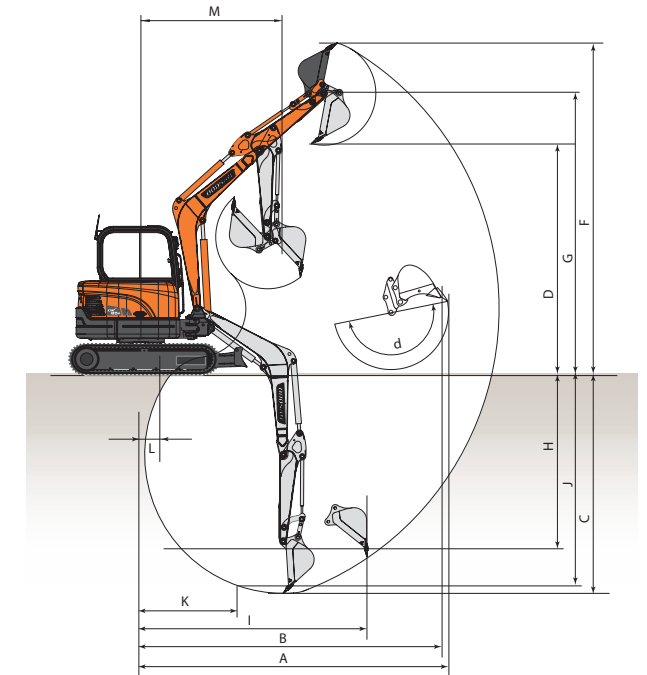
### DX63-3

BOOM TYPE	ft.-in. (mm)	9' 6" (2900)
ARM TYPE	ft.-in. (mm)	6' 3" (1900)
BUCKET TYPE (SAE)	yd <sup>3</sup> (m <sup>3</sup> )	0.24 (0.18)
TRACK TYPE		
TAIL SWING RADIUS	A ft.-in. (mm)	4' 3" (1285)
SHIPPING LENGTH	D ft.-in. (mm)	18' 8" (5685)
SHIPPING WIDTH	E ft.-in. (mm)	6' 6" (1980)
COUNTER WEIGHT CLEARANCE	F ft.-in. (mm)	2' 1" (635)
CABIN HEIGHT	G ft.-in. (mm)	8' 4" (2550)
UPPER STRUCTURE WIDTH	H ft.-in. (mm)	6' 4" (1920)
CABIN HEIGHT ABOVE HOUSE	I ft.-in. (mm)	3' 1" (930)
CABIN WIDTH	J ft.-in. (mm)	3' 5" (1030)
TUMBLER DISTANCE	K ft.-in. (mm)	6' 6" (1990)
OVERALL TRACK LENGTH	L ft.-in. (mm)	8' 2" (2500)
UNDERCARRIAGE WIDTH	M ft.-in. (mm)	6' 6" (1980)
TRACK SHOE WIDTH	N in. (mm)	15.7" (400)
TRACK HEIGHT	O ft.-in. (mm)	1' 11" (590)
CAR BODY CLEARANCE	P ft.-in. (mm)	1' (310)
TRACK GAUGE	Q ft.-in. (mm)	5' 2" (1580)
BLADE HEIGHT	R ft.-in. (mm)	1' 4" (410)
MAXIMUM BLADE CUT, BELOW GROUND	S ft.-in. (mm)	1' 5" (440)

### DX85R-3

BOOM TYPE	ft.-in. (mm)	11' 1" (3380)
ARM TYPE	ft.-in. (mm)	7' 5" (2250)
BUCKET TYPE (SAE)	yd <sup>3</sup> (m <sup>3</sup> )	0.37 (0.28)
TRACK TYPE		
TAIL SWING RADIUS	A ft.-in. (mm)	4' 3" (1300)
SHIPPING LENGTH	D ft.-in. (mm)	20' 7" (6265)
SHIPPING WIDTH	E ft.-in. (mm)	7' 7" (2300)
COUNTER WEIGHT CLEARANCE	F ft.-in. (mm)	2' 5" (735)
CABIN HEIGHT	G ft.-in. (mm)	8' 8" (2640)
UPPER STRUCTURE WIDTH	H ft.-in. (mm)	7' 5" (2265)
CABIN HEIGHT ABOVE HOUSE	I ft.-in. (mm)	3' (925)
CABIN WIDTH	J ft.-in. (mm)	3' 5" (1030)
TUMBLER DISTANCE	K ft.-in. (mm)	7' 3" (2200)
OVERALL TRACK LENGTH	L ft.-in. (mm)	9' 3" (2825)
UNDERCARRIAGE WIDTH	M ft.-in. (mm)	7' 7" (2300)
TRACK SHOE WIDTH	N in. (mm)	17.7" (450)
TRACK HEIGHT	O ft.-in. (mm)	2' 2" (670)
CAR BODY CLEARANCE	P ft.-in. (mm)	1' 2" (362)
TRACK GAUGE	Q ft.-in. (mm)	6' 1" (1850)
BLADE HEIGHT	R ft.-in. (mm)	1' 4" (408)
MAXIMUM BLADE CUT, BELOW GROUND	S ft.-in. (mm)	1' (304)

## Working Range



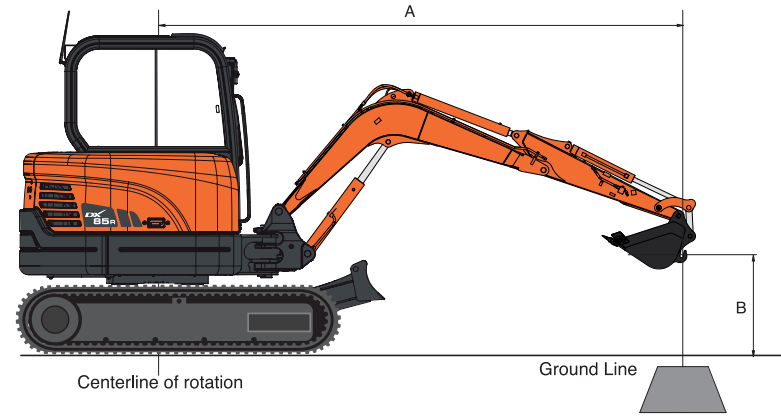
### DX63-3

BOOM TYPE	ft.-in. (mm)	9'6" (2900)
ARM TYPE	ft.-in. (mm)	6'3" STD (1900)
BUCKET TYPE (SAE) PCSA	yd <sup>3</sup> (m <sup>3</sup> )	0.24 yd <sup>3</sup> (0.18 m <sup>3</sup> )
TRACK TYPE		
RUBBER OR STEEL		
MAX. DIGGING REACH	A ft.-in. (mm)	20' 10" (6355)
MAX. DIGGING REACH (GROUND)	B ft.-in. (mm)	20' 5" (6230)
MAX. DIGGING DEPTH	C ft.-in. (mm)	13' 6" (4115)
MAX. LOADING HEIGHT	D ft.-in. (mm)	14' (4267)
MAX. DIGGING HEIGHT	F ft.-in. (mm)	19' 8" (6005)
MAX. BUCKET PIN HEIGHT	G ft.-in. (mm)	16' 11" (5145)
MAX. VERTICAL WALL DEPTH	H ft.-in. (mm)	11' 3" (3435)
MAX. RADIUS VERTICAL	I ft.-in. (mm)	12' 8" (3850)
MAX. DEPTH TO 8' LINE	J ft.-in. (mm)	12' 4" (3765)
MIN. RADIUS 8' LINE	K ft.-in. (mm)	2' 12" (910)
MIN. DIGGING REACH	L ft.-in. (mm)	-7" (-190)
MIN. SWING RADIUS	M	8' 1" (2475)
BOOM SWING - LEFT/RIGHT	°	70° / 50°

### DX85R-3

BOOM TYPE	ft.-in. (mm)	11'1" (3380)
ARM TYPE	ft.-in. (mm)	7'5" STD (2250)
BUCKET TYPE (SAE) PCSA	yd <sup>3</sup> (m <sup>3</sup> )	0.37 yd <sup>3</sup> (0.28 m <sup>3</sup> )
TRACK TYPE		
RUBBER OR STEEL		
MAX. DIGGING REACH	A ft.-in. (mm)	24' 5" (7430)
MAX. DIGGING REACH (GROUND)	B ft.-in. (mm)	23' 11" (7295)
MAX. DIGGING DEPTH	C ft.-in. (mm)	15' 6" (4725)
MAX. LOADING HEIGHT	D ft.-in. (mm)	16' 5" (4995)
MAX. DIGGING HEIGHT	F ft.-in. (mm)	22' 11" (6980)
MAX. BUCKET PIN HEIGHT	G ft.-in. (mm)	19' 8" (6005)
MAX. VERTICAL WALL DEPTH	H ft.-in. (mm)	12' 4" (3755)
MAX. RADIUS VERTICAL	I ft.-in. (mm)	16' 1" (4905)
MAX. DEPTH TO 8' LINE	J ft.-in. (mm)	14' 6" (4420)
MIN. RADIUS 8' LINE	K ft.-in. (mm)	4' 10" (1480)
MIN. DIGGING REACH	L ft.-in. (mm)	-2" (-55)
MIN. SWING RADIUS	M	8' 8" (2635)
BOOM SWING - LEFT/RIGHT	°	70° / 50°

## Lifting Capacity



### DX63-3

Machine Width: 6'6" (1990 mm) RUBBER TRACK    Bucket: SAE 0.24 yd<sup>3</sup> (0.18 m<sup>3</sup>)    Blade: Up    Load Radius Over Front  
 Boom: 9'6" (2900 mm)    Track Width: 15.7" (400 mm)    Load Radius Over Side  
 Arm: 6'3" (1905 mm)    Counter Weight: 2,059 LB. (934 kg)    Unit: 1,000 lb (1000 kg)

B ft.	A ft.	5		10		15		MAX F	MAX S	REACH (ft.)
										A ft
15								2.47*	2.07	Max. at(ft) 13.72
10						2.14	1.80	1.68	1.40	Max. at(ft) 17.22
5				3.84	3.11	2.03	1.69	1.45	1.21	Max. at(ft) 18.45
0 (GROUND)				3.49	2.80	1.92	1.58	1.47	1.22	Max. at(ft) 18.00
-5		6.71*	6.71*	3.45	2.76	1.90	1.56	1.79	1.48	Max. at(ft) 15.68
-10								2.87*	2.87*	Max. at(ft) 9.72

B m	A m	1		2		3		4		5		MAX F	MAX S	REACH (m)
														A m
5												1.26 *	1.17	Max. at(m) 3.65
4								1.14 *	1.03			0.93	0.78	Max. at(m) 4.69
3								1.22	1.02	0.83	0.70	0.75	0.63	Max. at(m) 5.27
2						1.86	1.51	1.17	0.97	0.81	0.68	0.68	0.56	Max. at(m) 5.56
1						1.71	1.38	1.10	0.91	0.79	0.65	0.65	0.54	Max. at(m) 5.63
0 (GROUND)						1.62	1.30	1.06	0.87	0.76	0.63	0.67	0.55	Max. at(m) 5.49
-1		2.16*	2.16*	2.80*	2.45	1.60	1.28	1.04	0.85	0.76	0.63	0.74	0.61	Max. at(m) 5.10
-2		3.39*	3.39*	3.38	2.50	1.62	1.29	1.05	0.86			0.93	0.76	Max. at(m) 4.39
-3				2.47*	2.47*	1.41*	1.37					1.33*	1.33*	Max. at(m) 3.05

- 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.
- The least stable position is over the side.
- The total mass of machine includes the mass of the boom, arm, counterweight, all operating fluids and a 75 kg operator.
- Lift capacities are in compliance with ISO 10567.

### DX85R-3

Machine Width: 7'7" (2300 mm) RUBBER TRACK    Bucket: SAE 0.37 yd<sup>3</sup> (0.28 m<sup>3</sup>)    Blade: Up    Load Radius Over Front  
 Boom: 11' 1" (3380 mm)    Track Width: 17.7" (450 mm)    Load Radius Over Side  
 Arm: 7'5" (2250 mm)    Counter Weight: 2,915 LB. (1322 kg)    Unit: 1,000 lb (1000 kg)

B ft.	A ft.	5		10		15		20	20	MAX F	MAX S	REACH (ft.)
												A ft
15						3.38*	3.35			3.06	2.49	Max. at(ft) 17.61
10						3.79*	3.23	2.42	1.96	2.38	1.93	Max. at(ft) 20.17
5				7.00	5.44	3.70	2.97	2.35	1.89	2.16	1.73	Max. at(ft) 21.06
0 (GROUND)				6.39	4.89	3.46	2.74	2.27	1.81	2.18	1.74	Max. at(ft) 20.52
-5		8.13*	8.13*	6.32	4.82	3.38	2.67			2.55	2.03	Max. at(ft) 18.40
-10		14.31*	14.31*	6.25*	5.02					3.68*	3.15	Max. at(ft) 13.80

B m	A m	2		3		4		5		6		MAX F	MAX S	REACH (m)
														A m
6												1.83 *	1.83 *	Max. at(m) 3.81
5								1.51*	1.28			1.48*	1.27	Max. at(m) 5.02
4								1.57*	1.29			1.23	1.00	Max. at(m) 5.73
3						1.80*	1.80*	1.55	1.26	1.13	0.92	1.08	0.87	Max. at(m) 6.17
2				3.18*	2.67	2.13	1.71	1.49	1.21	1.11	0.89	1.00	0.80	Max. at(m) 6.38
1				3.12	2.40	2.00	1.59	1.43	1.14	1.08	0.86	0.97	0.78	Max. at(m) 6.41
0 (GROUND)				2.98	2.27	1.91	1.50	1.38	1.10	1.05	0.84	0.99	0.79	Max. at (m) 6.26
-1		3.34*	3.34*	2.94	2.24	1.87	1.46	1.35	1.07			1.07	0.86	Max. at(m) 5.90
-2		5.15*	4.61	2.96	2.26	1.87	1.47	1.36	1.08			1.26	1.01	Max. at(m) 5.28
-3		4.62*	4.62*	2.96*	2.33	1.93	1.52					1.68*	1.40	Max. at(m) 4.27



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