

# DOOSAN

## DOOSAN RANGE OF EQUIPMENT

CRAWLER EXCAVATORS

WHEEL EXCAVATORS

WHEEL LOADERS

LOG LOADERS

COMPACT EXCAVATORS

ARTICULATED DUMP TRUCKS



## Who is Doosan?

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.

From our design concepts to manufacturing in our ISO-certified factories, Doosan machines are built for profit-making productivity and an unequalled ownership experience. And we provide high-performance service to match our high-powered equipment.

## Our Customer Commitment

Doosan is committed to helping you be more productive. Our long-standing reputation for quality equipment, parts and product support instills customer confidence because everything we do is done with our customer in mind.

With Doosan Elite PLUS™, we take our customer commitment one step further by offering a full selection of product support solutions that help increase productivity, decrease downtime and improve your bottom line.

Doosan Elite PLUS™, our comprehensive product support program, is designed to protect and enhance resale value while helping you control costs. Our repair-before-failure approach allows you to manage your cash no matter what equipment you own. Doosan Elite PLUS™ offers Doosan Elite Assurance™ Warranty, Doosan GPS Program, Doosan Component Analysis Program™, and All-Makes Parts and Attachments. Each one of these valuable programs can be used separately or as a comprehensive product support system for your entire fleet.





*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.



# DOOSAN DELIVERS *Compact & Crawler Excavators*



## Compact Excavators

Models	Engine			General		Max. Reach (ground level) ft.-in. (mm)
	Emission (EPA)	HP, SAE Gross hp (kW) @ rpm	Torque ft.-lb. (Nm) @ rpm	Weight lb. (kg)	Swing Torque lbf. ft. (kgf.m)	
DX63-3	T4	59.4 (44.3)@2100	178 (241)@1365	13,779 (6250)	9,526 (1317)	20' 5" (6230)
DX85R-3	T4	59.4 (44.3)@2100	178 (241)@1365	18,960 (8600)	14,104 (1950)	23' 11" (7295)

## Crawler Excavators

Models	Engine			General		Max. Reach (ground level) ft.-in. (mm)
	Emission (EPA)	HP, SAE Gross hp (kW) @ rpm	Torque ft.-lb. (Nm) @ rpm	Weight lb. (kg)	Swing Torque lbf. ft. (kgf.m)	
DX140LC-3	iT4	109 (82) @ 1,850	354 (481) @ 1,400	31,746 (14 400)	32,771 (4531)	28' (8530)
DX140LCR-3	iT4	109 (81) @ 2,200	360 (488) @ 1,500	33,510 (15 200)	34,681 (4795)	28' (8530)
DX180LC-3	iT4	125 (93) @ 1,950	391 (530) @ 1,400	41,248 (18 710)	44,563 (6450)	29' 5" (8960)
DX225LC-3	iT4	167 (124) @ 1,800	557 (755) @ 1,400	49,604 (22 500)	60,757 (8400)	31' 10" (9710)
DX225LC-3 SLR	iT4	167 (124) @ 1,800	557 (755) @ 1,400	54,564 (24 750)	60,757 (8400)	50' 1" (15 265)
DX235LCR	T3	173 (124) @ 1,900	564 (765) @ 1,400	53,572 (24 300)	52,439 (7250)	31' 7" (9630)
DX255LC-3	iT4	185 (138) @ 1,900	593 (804) @ 1,400	56,593 (25 670)	71,462 (9880)	32' 10" (9995)
DX300LC-3	iT4	213 (159) @ 1,800	716 (971) @ 1,300	67,770 (30 740)	83,398 (11 530)	34' 7" (10 530)
DX300LC-3 SLR	iT4	213 (159) @ 1,800	716 (971) @ 1,300	68,167, (30 920)	83,398 (11 530)	57' 1" (17 390)
DX350LC-3	iT4	281 (210) @ 1,800	940 (1275) @ 1,300	78,601 (35 653)	92,839 (12 835)	36' (10 970)
DX420LC	iT4	362 (270) @ 2,000	1,056 (1432) @ 1,500	94,503 (42 866)	118,332 (16 360)	37' (11 290)
DX490LC-3	iT4	389 (290) @ 1,800	1,431 (1940) @ 1,350	112,502 (51 030)	145,600 (20 130)	38' 11" (11 865)
DX530LC-3	iT4	389 (290) @ 1,800	1,431 (1940) @ 1,350	119,213 (54 074)	145,600 (20 130)	37' 7" (11 455)
DX530LC-3 SLR	iT4	389 (290) @ 1,800	1,431 (1940) @ 1,350	118,013 (53 530)	145,600 (20 130)	63' 10" (19 455)

# Doosan machines are designed for:

## Performance

Performance is what it's all about; Doosan delivers what you need and then some. For decades, Doosan machines have proven themselves on thousands of jobsites around the world. Our long carriage (LC) design provides superior stability and optimizes working width for superior performance in heavy digging and lifting operations. Powerful hydraulic, arm and bucket forces – with horsepower to spare – help you get the job done quickly and efficiently.

## Durability/Reliability

Your reputation depends on a reliable, durable machine, and Doosan excavators are designed to be ready when you are. They're protected with solid construction and smart designs you can see. Their heavy-duty features keep you running longer in the field—so you spend less time in the shop and more time making money.

## Comfort

You can't do as much work if you're not comfortable. Operator comfort is essential. Great visibility; a deluxe, adjustable seat and numerous perks and comfort features help operators to push performance to the limit. Easy to enter, exit and work in, Doosan cabins give you remarkable standard features that bring superior comfort to the job.

## Easy Maintenance

Even the best equipment needs regular maintenance. Doosan makes it easy to care for your excavator with onboard diagnostic systems, easy component access, plus a fleet management system that comes standard. If you want a machine that lasts, with minimal effort, Doosan delivers everything you need.

Dimensions		Breakout Force		Transportability		
Max. Dump (Loading) ft.-in. (mm)	Max. Digging Depth ft.-in. (mm)	Arm lbf. (kgf)	Bucket lbf. (kgf)	Height ft.-in. (mm)	Length ft.-in. (mm)	Width ft.-in. (mm)
14' (4260)	13' 6" (4115)	5,765 (2615)	9,731 (4414)	8' 4" (2550)	18' 8" (5685)	6' 6" (1980)
16' 5" (4995)	15' 6" (4725)	8,069 (3660)	14,509 (6581)	8' 8" (2640)	20' 7" (6265)	7' 7" (2300)

Dimensions		Breakout Force		Transportability		
Max. Dump (Loading) ft.-in. (mm)	Max. Digging Depth ft.-in. (mm)	Arm lbf. (kgf)	Bucket lbf. (kgf)	Height ft.-in. (mm)	Length ft.-in. (mm)	Width ft.-in. (mm)
21' 2" (6440)	20' 2" (6135)	13,228 (6000)	24,471 (11 100)	10' 5" (3180)	25' 1" (7635)	8' 6" (2590)
23' 3" (7080)	19' 8" (5985)	13,228 (6000)	24,471 (11 100)	10' 2" (3090)	24' (7320)	8' 6" (2590)
21' 4" (6500)	21' 1" (6426)	20,503 (9300)	28,881 (13 100)	9' 4" (2855)	28' 4" (8630)	9' 6" (2900)
22' 5" (6840)	21' 7" (6585)	23,810 (10 800)	33,510 (15 200)	9' 10" (3005)	31' 2" (9490)	10' 6" (3190)
35' 7" (10 845)	38' 3" (11 650)	13,228 (6000)	22,046 (10 000)	10' 9" (3275)	40' 6" (12 355)	10' 10" (3290)
26' 1" (7955)	21' 11" (6680)	23,810 (10 800)	33,510 (15 200)	9' 8" (2955)	29' 5" (8955)	10' 6" (3190)
23' 1" (7025)	22' 4" (6810)	28,219 (12 800)	39,463 (17 900)	10' 6" (3200)	32' 11" (10 035)	11' 2" (3400)
23' 11" (7280)	24' 0" (7305)	30,644 (13 900)	44,092 (20 000)	11' 1" (3370)	34' 7" (10 540)	11' 2" (3400)
39' 3" (11 975)	45' 3" (13 780)	16,535 (7500)	23,149 (10 500)	11' 5" (3475)	46' 11" (14 290)	11' 4" (3450)
23' 6" (7175)	24' 9" (7535)	41,667 (18 900)	57,100 (25 900)	11' 1" (3390)	37' 0" (11 280)	11' 5" (3480)
25' 4" (7710)	25' 5" (7740)	43,431 (19 700)	59,745 (27 100)	11' 4" (3455)	38' 7" (11 750)	11' 8" (3550)
25' 10" (7865)	25' 7" (7790)	50,045 (22 700)	67,902 (30 800)	12' 2" (3705)	40' 1" (12 230)	10' 10" (3290)* 12' 5" (3790)**
25' 4" (7725)	24' 1" (7340)	56,879 (25 800)	67,902 (30 800)	12' 9" (3895)	40' 5" (12 330)	11' 11" (3640)* 13' 9" (4200)**
39' (11 890)	49' 7" (15 125)	26,235 (11 900)	67,902 (30 800)	13' 4" (4070)	53' 2" (16 195)	11' 11" (3640)* 13' 9" (4200)**

\* Undercarriage retracted / \*\* Undercarriage extended

# DOOSAN DELIVERS *Wheel Excavators & Log Loaders*



## Wheel Excavators

Models	Engine			General		
	Emission (EPA)	HP, SAE Gross hp (kW) @ rpm	Torque ft.-lb. (Nm) @ rpm	Weight lb. (kg)	Swing Torque lbf. ft. (kgf.m)	Max. Reach (ground level) ft.-in. (mm)
DX140W-3	iT4	137 (102) @ 2,000	434 (588) @ 1,400	33,730 (15 300)	27,080 (3744)	24' 11" (7585)
DX190W-3	iT4	168 (125) @ 1,900	528 (716) @ 1,400	43,431 (19 700)	34,979 (4836)	30' 4" (9255)
DX210W	T3	170 (127) @ 2,000	521 (706) @ 1,400	45,856 (20 800)	46,197 (6387)	31' 11" (9730)

## Log Loaders

Models	Engine			General		
	Emission (EPA)	HP, SAE Gross hp (kW) @ rpm	Torque ft.-lb. (Nm) @ rpm	Weight lb. (kg)	Swing Torque lbf. ft. (kgf.m)	Max. Reach (Loading) ft.-in. (mm)
DX225LL	T3	154 (115) @ 1,900	492 (667) @ 1,400	65,036 (29 500)	47,883 (6620)	36' 3" (11 036)
DX300LL-3	T3	213 (158.9)@1,800	716 (971)@1,300	80,910 (36 700)	82,095 (11 350)	38' 3" (11 650)



Dimensions		Breakout Force		Transportability		
Max. Dump (Loading) ft.-in. (mm)	Max. Digging Depth ft.-in. (mm)	Arm lbf. (kgf)	Bucket lbf. (kgf)	Height ft.-in. (mm)	Length ft.-in. (mm)	Width ft.-in. (mm)
19' 5" (5905)	14' 9" (4490)	17,902 (8120)	23,303 (10 570)	11' 9" (3590)	23' 7" (7190)	8' 2" (2500)
22' 2" (6756)	18' 9" (5715)	21,605 (9800)	30,424 (13 800)	11' (3330)	29' 2" (8897)	8' 4" (2534)
23' 0" (7020)	19' 9" (6010)	21,728 (9856)	28,800 (12 701)	10' 6" (3200)	30' 11" (9420)	8' 4" (2530)

Working Dimensions		Transportability		
Max. Height (Loading) ft.-in. (mm)	Max. Depth (Loading) ft.-in. (mm)	Height ft.-in. (mm)	Length ft.-in. (mm)	Width ft.-in. (mm)
42' 5" (12 919)	11' 2" (3 408)	14' 10" (4530)	45' 9" (13 947)	11' 10" (3600)
44' 7" (13 580)	12' 3" (3 728)	11' 9" (3590)	47' 8" (14 540)	11' 10" (3600)

# DOOSAN DELIVERS *Wheel Loaders*



## Wheel Loaders

Models	Engine			General	Dimensions	
	Emission (EPA)	HP, SAE Gross hp (kW) @ rpm	Torque ft.-lb. (Nm) @ rpm	Weight lb. (kg)	Turning Clearance (Outside-Bucket) ft.-in. (mm)	Max. Dump Height (45° Fully Raised) ft.-in. (mm)
DL200-3	iT4	160 (119) @2100	542 (735) @ 1400	26,810 (12 160)	19' 0" (5785)	9' 6" (2890)
DL200-3 HL	iT4	160 (119) @2100	542 (735) @ 1400	28,000 (12 720)	19' 7" (5969)	10' 9" (3270)
DL200TC-3	iT4	160 (119) @2100	542 (735) @ 1400	26,830 (12 170)	18' 11" (5770)	8' 10" (2685)
DL220-3	iT4	160 (119) @2100	542 (735) @ 1400	28,350 (12 860)	19' 1" (5815)	9' 3" (2825)
DL250-3	iT4	172 (128) @ 2100	593 (804) @ 1400	31,900 (14 470)	20' 0" (6085)	9' 2" (2785)
DL250-3 HL	iT4	172 (128) @ 2100	593 (804) @ 1400	32,780 (14 870)	20' 7" (6285)	10' 8" (3250)
DL250TC-3	iT4	172 (128) @ 2100	593 (804) @ 1400	31,770 (14 410)	19' 1" (5815)	9' 0" (2740)
DL300-3	iT4	271 (202) @ 1800	940 (1275) @ 1400	41,204 (18 690)	21' (6415)	9' 4" (2845)
DL300-3 HL	iT4	271 (202) @ 1800	940 (1275) @ 1400	41,612 (18 875)	21' 9" (6645)	11' 2" (3403)
DL350-3	iT4	271 (202) @ 1800	940 (1275) @ 1400	43,762 (19 850)	21' 8" (6600)	10' 0" (3,040)
DL420-3	iT4	354 (264) @ 1800	1,121 (1520) @ 1400	50,900 (23 090)	22' 10" (6955)	10' 1" (3075)
DL420-3 HL	iT4	354 (264) @ 1800	1,121 (1520) @ 1400	52,030 (23 600)	23' 1" (7035)	11' 9" (3585)
DL450-3	iT4	354 (264) @ 1800	1,121 (1520) @ 1400	56,527 (25 640)	23' 6" (7158)	10' 8" (3240)
DL550-3	iT4	380 (283) @ 1800	1,287 (1746) @ 1400	69,655 (31 595)	24' 8" (7520)	11' 2" (3405)
DL550-3 HL	iT4	380 (283) @ 1800	1,287 (1746) @ 1400	70,658 (32 050)	25' 7" (7790)	12' 7" (3830)

# Doosan machines are designed for:

## Performance

With tremendous lift height and capacity, along with enough torque to bite into the toughest materials, Doosan wheel loaders go a step beyond scooping, carrying and loading. It's your ticket to making harder work easier, longer days more enjoyable, and every minute more productive and profitable.

## Cycle Times

The entire Doosan wheel loader lineup is carefully engineered for a perfect balance of speed and controllability – so you get optimal production. Variable displacement piston pumps in all models allow Doosan wheel loaders to power through difficult jobs with minimal fuel consumption and multifunction operation of the lift arm and bucket.

## Reliability

Doosan builds its machines so they're ready to work when you are. Whether it's solid-construction, heavy-duty parts and materials or innovative features that keep you on the job with fewer service intervals, your wheel loader ranks among the toughest and most profitable machines in the industry.

## Comfort

Doosan understands the close connection between comfort and productivity. You can't push your performance to the limit when you're uncomfortable. The Doosan cabin is packed from floor to ceiling with high-end comfort that makes every operator more productive and satisfied on the job.

Hinge Pin Height Max. ft.-in. (mm)	Lifting Performance				Transportability		
	Bucket Capacity yd <sup>3</sup> (m <sup>3</sup> )	Breakout Force (Bucket) lbf. (kg)	Tipping Capacity (Straight) lb. (kg)	Tipping Capacity (Full Turn) lb. (kg)	Height ft.-in. (mm)	Length ft.-in. (mm)	Bucket Width ft.-in. (mm)
12' 8" (3860)	2.6 (2.0)	22,230 (10 083)	19,750 (8960)	17,110 (7760)	10' 9" (3280)	23' 9" (7245)	8' 4" (2530)
13' 11" (4240)	2.6 (2.0)	22,030 (9993)	17,920 (8130)	15,520 (7040)	10' 9" (3280)	25' 7" (7795)	8' 4" (2530)
12' 6" (3810)	2.6 (2.0)	23,040 (10 452)	17,950 (8140)	15,540 (7050)	10' 9" (3280)	24' 0" (7315)	8' 4" (2530)
12' 8" (3860)	3.0 (2.3)	23,650 (10 727)	21,340 (9680)	18,480 (8380)	10' 9" (3280)	24' 7" (7485)	8' 4" (2530)
12' 10" (3900)	3.7 (2.8)	27,120 (12 380)	23,810 (10 800)	20,680 (9380)	10' 9" (3280)	25' 2" (7665)	9' 0" (2740)
14' 2" (4325)	3.4 (2.6)	25,680 (11 645)	20,920 (9490)	18,170 (8240)	10' 9" (3280)	26' 10" (8180)	9' 0" (2740)
12' 11" (3935)	3.4 (2.6)	25,980 (11 784)	19,690 (8930)	17,130 (7770)	10' 9" (3280)	25' 9" (7840)	9' 0" (2740)
13' (3975)	4.2 (3.2)	37,993 (17 233)	33,091 (15 010)	28,572 (12 960)	11' 5" (3475)	26' 7" (8095)	9' 7" (2920)
14' 10" (4525)	4.2 (3.2)	37,768 (17 131)	27,238 (12 355)	23,523 (10 670)	11' 5" (3475)	29' 5" (8960)	9' 7" (2920)
13' 8" (4170)	4.8 (3.7)	37,768 (17 131)	35,241 (15 985)	31,118 (14 115)	11' 5" (3475)	27' 4" (8320)	9' 10" (3000)
14' 1" (4280)	5.5 (4.2)	47,210 (21 414)	39,990 (18 140)	35,310 (16 015)	11' 7" (3535)	28' 7" (8720)	10' 9" (3270)
15' 7" (4745)	5.5 (4.2)	45,190 (20 498)	32,690 (14 830)	28,880 (13 100)	11' 7" (3535)	29' 11" (9395)	10' 9" (3270)
14' 9" (4500)	6.3 (4.8)	51,930 (23 555)	46,032 (20 880)	40,653 (18 440)	11' 9" (3583)	30' (9153)	10' 10" (3300)
15' 9" (4795)	7.5 (5.7)	58,450 (26 512)	54,432 (24 690)	48,061 (21 800)	12' 5" (3785)	31' 9" (9680)	11' 2" (3405)
17' 2" (5220)	7.5 (5.7)	56,877 (25 799)	43,850 (19 890)	38,720 (17 565)	12' 5" (3785)	33' 8" (10 255)	11' 2" (3405)

# DOOSAN DELIVERS *Articulated Dump Trucks*



## Articulated Dump Trucks

Models	Engine			Weight				
	Emission (EPA)	HP, SAE Gross hp (kW) @ rpm	Torque ft.-lb. (Nm) @ rpm	Body Volume With Tailgate (SAE 2:1) yd <sup>3</sup> (m <sup>3</sup> )	Density Index lb./yd <sup>3</sup> (kg/m <sup>3</sup> )	Maximum Gross Weight lb. (kg)	Net Weight With Tailgate lb. (kg)	Payload lb. (kg)
DA30	iT4	375 (276) @ 2100	1381 (1873) @ 1,300	23.3 (17.8)	2,468 (1119)	113,318 (51 400)	51,588 (23 400)	61,729 (28 000)
DA40	iT4	500 (368) @2100	1750 (2373) @ 1,300	34 (26)	2,468 (1119)	158,292 (71 800)	70,107 (31 800)	88,185 (40 000)

# Doosan machines are built for:

## Efficiency

Common rail engine and eight speed transmission reduces RPM in high gears. Reduced weight – achieved through state-of-the-art design and lightweight, high-grade, wear-resistant steel – saves fuel and improves performance.

## Service Access

Convenient work platforms, along with an access panel in the belly pan, means general service can be completed with ease. The hood opens 83 degrees, and the cabin tilts back hydraulically, providing excellent engine service access.

## Traction & Stability

A well-positioned turning ring; free swinging, oil-bathed tandem housings and excellent weight distribution provide the best traction and stability, plus Doosan ADTs are the widest trucks in the industry.

## Ultimate Visibility

The sloping hood design and wide windows offer excellent visibility.

## Comfort

Front independent suspension, along with spacious and ergonomic cabin, provides for increased operator comfort.

Net Power to Weight Ratio		Speed		Brakes		Dimensions			
Net - Empty hp/t (kW/t)	Net - Loaded hp/t (kW/t)	Travel Speeds F / R	Max. Travel Speed (F/R) mph (km/h)	Front/Rear	Retarder	Length ft.-in. (mm)	Width ft.-in. (mm)	Loading Clearance (Body) ft.-in. (mm)	Turning Clearance (Outside) ft.-in. (mm)
16.7 (11.45)	6.44 (5.2)	8F / 4R	34.2 / 9.9 (55 / 16)	Wet Multiple Disc	Exhaust Brake & T/M Retarder	31' 4" (9558)	9' 10" (2990)	9' 8" (2946)	26' 4" (8030)
13.98 (11.32)	6.19 (5.01)	8F / 4R	34.2 / 9.9 (55 / 16)	Wet Multiple Disc	Exhaust Brake & T/M Retarder	34' 9" (10590)	11' 5" (3475)	11' 0" (3355)	29' 1" (8850)



# WHO IS DOOSAN?

Doosan is the fifth largest construction equipment manufacturer in the world with a heritage that goes back more than 118 years. We deliver solid machines, unsurpassed customer service and an expanding dealer network plus our unrivaled 48-hour parts guarantee.

*Doosan Delivers*

[www.doosanequipment.com/Products](http://www.doosanequipment.com/Products)

1.877.613.7970

**DOOSAN**



Doosan and the Doosan logo are registered trademarks of Doosan Corp. in the United States and various other countries around the world. ©2013 Doosan Infracore Construction Equipment America. All rights reserved.