



Doosan Infracore Construction Equipment

DX55-9C

Rated Power	36.2 kW (48.3 HP) / 2,100 rpm
Operational Weight	5,500 kg
Bucket Capacity	0.18 m ³ ~0.21 m ³

DOOSAN

DX55-9C with Further Enhanced Performance

Equipped with a high durability Yanmar engine that satisfies Class III Emission Regulation of China, the DX55-9C realizes the highest fuel efficiency of the class. It leads the market with higher work efficiency and digging force than the competitors.

Application

Urban infrastructure, roads construction, agriculture, forestry, stock farming.

Hydraulic System

The hydraulic system realizes max. system power with balance between flow and power.

Newly Designed DX-Series Operator Cabin

The cabin offers extended field of view, improved convenience, and reduced noise while maintaining operator's comfort.

New Work Light

Convenience in nighttime work.

Multi-filter Element

High quality intake air through dual filter system. Reliable performance in harsh environment.

Fuel Efficiency

Further improvement than preceding models:

22% 

Work Performance

Further improvement than preceding models:

04% 

Travel Speed

Further improvement than preceding models:

11% 

The data presented hereinabove are measured in the test environment of the manufacturer and subject to change according to the test conditions. The applicability of the data shall be limited to reference purpose only.

DX55-9C

9C Series

Dedicated to the development of next generation machines with the design philosophy of REDUCED TOTAL COST OF OWNERSHIP, INCREASED DURABILITY, & MAXIMIZED USER PROFITABILITY, Doosan keeps raising its customers' satisfaction level with optimized performance.



Engine

The engine offers reliable power with market-proven durability and high fuel economy.

Manufacturer	Yanmar
Rated Power	36.2 kW (48.3 HP) / 2,100 rpm
Emission	Class III Emission Regulation of China
No. of Cylinders	4
Displacement	3,054 cc



New Idling Function

After 4 seconds from the joystick stop, the engine automatically enters idling condition, and resumes the operating speed when the joystick operates again. The function reduces total fuel consumption and noise.

COMFORT

Designed with low noise, low vibration work space for the operator, and an all weather air conditioner provides safe and pleasant work environment.



Wider Field of View

The cabin window is enlarged to provide the operator with wider field of view for undisturbed operation.





1

New Gage Panel

The new instrument panel is designed for easy monitoring of the machine operating conditions.



2

Wide Operating Space

Wider and more pleasant working space provides an enhanced work environment.



3

Upgraded Operator Panel, Centralized Switch Design

Metal-texture plates used in luxurious cars and clustered switch design maximize work convenience and efficiency.

Storage Space and Power Connector

The cabin provides convenient small storage compartment and 12V charger connector. Cell phone and other electronic devices can be stored safely. Rapid cooling air conditioner switch provides operators with comfort.



New Work Light

Newly designed work light adds convenience during nighttime operation.



Double Noise Absorber

New noise absorber further lowers noise level. Engine room overheating is prevented to improve work comfort and machine durability.

RELIABILITY

Reliability improved with advanced design and repetitive verification

Machine service life is extended creating greater user value by advanced 3D CAD, various tests, repeated matching verification, and reliability testing.

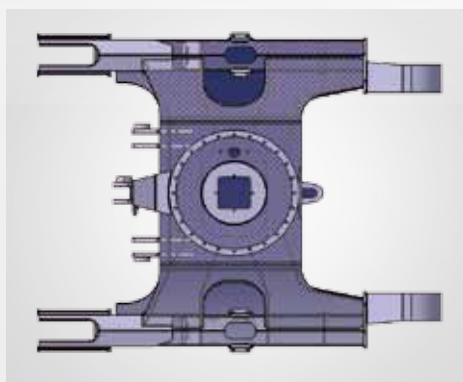


Large Blade

Large blade with increased soil removal capacity implemented by high-durability material and wide-area design.

Newly Designed Boom and Arm

Stress concentration is minimized by improving structural design and reducing weld joints. One-piece type boom support plate improves structural stability and durability of the boom.



Optimized Chassis Structure

The chassis is applied with a new design structure to remove stress concentration and improve machine durability and work stability.



The track roller attachment point was shifted from lower to middle portion to improve undercarriage stability and structural rigidity of the chassis.

The structure is enhanced with the new idler wheel, assembly process is simplified, and joint stability is improved with one-piece casting.

Convenient, Fast, and Economic Maintenance

The convenience of maintenance provides an enhanced operating environment.



Newly Designed Tool Box Protection Cover

The machine also features a newly designed battery box and storage compartment. A grease gun is stored in the battery box for easier use. The battery and tool box are protected with key cylinders.



Diesel Cooler and Water Tank

The diesel cooler and water tank are arranged parallel for easy installation, removal, and replacement.

SERVICE

Best Choice for Best Service

No. 1 Customer Satisfaction Record for 11 Years Straight



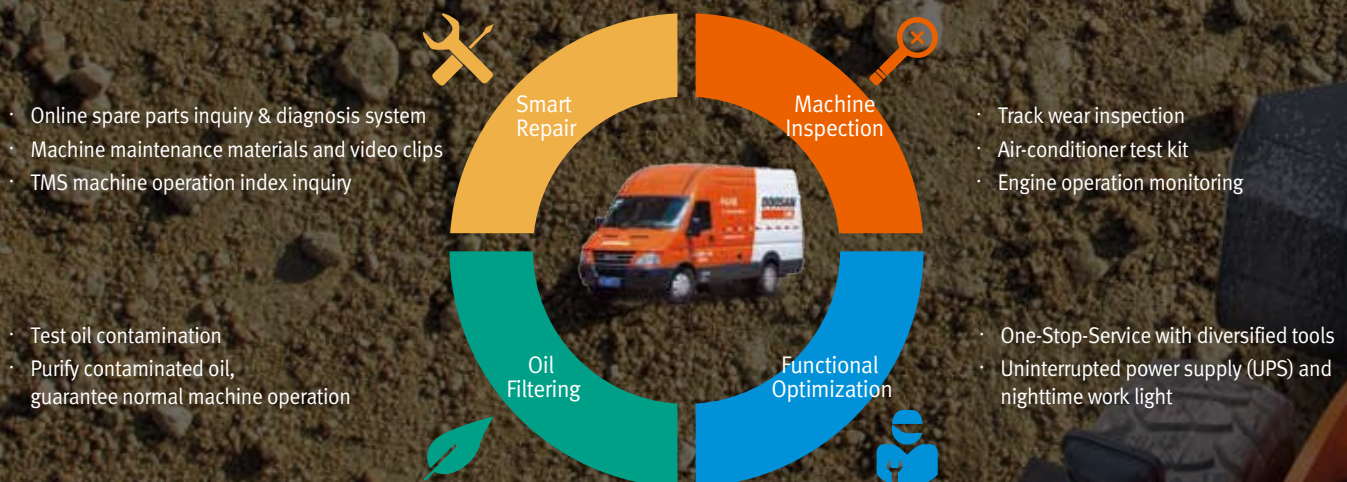
DoosanCARE

The first service brand of the industry for providing the customers with professional services.

- Offer total solution
- Upgrade customer service
- Specialized inspection and pollution control

Smart Doosan Comprehensive Service Vehicle

Doosan has been operating Comprehensive Service Vehicles across China to provide preventive maintenance.



Total Solution

1 400 Customer Care Centers

Excellent machine supported with best service including consultations

- Repair/maintenance within/after warranty period
- Parts/components supply
- Consultation for service parts
- Consultation for service events
- Claim response



2 DoosanCONNECT

The DoosanCONNECT is an intelligent machine management tool for Doosan's customers. '斗山管家' is the Chinese brand of DoosanCONNECT.

Features of DoosanCONNECT

- Location based service using precise geographical and satellite maps
- Operating hour analysis, market trend forecast
- Predictive failure alarm, preventive machine maintenance
- Provision of customer's machine information



Text Message Service for Customers

Text messages to customers to provide daily, weekly, and monthly reports and maintenance information.



Mobile Apps

Machine monitoring anytime, anywhere



DoosanCONNECT



E-mail Messages

Detailed monthly maintenance reports via e-mail



Customer Web Site

Machine information search using notebook, tablet, etc.

For further details, please contact your regional dealer.

Hot Line for Customer Care : **4000-777-888 / 0535-6390888**

Special machines are not subject to the warranty terms above. Doosan Infracore China Co. Ltd. shall hold the right for the final interpretation of the terms.

TECHNICAL SPECIFICATIONS

Main Specification

Engine

Model	4TNV94L
Type	Serial
Intake	Natural intake
No. of Cylinders	4
Cylinder Dia.	94 mm
Piston Stroke	110 mm
Rated Power	36.2 kW (48.3 HP) / 2,100 rpm

Swing System

Drive Type	Hydraulic drive
Reducer	Planetary gear reducer
Swing Brake	Wet, multi-disc brake
Swing Speed	9.2 rpm

Drive and Brake

Feed-forward Control	Pedal & joystick integral
Drive Type	Hydraulic drive
Travel Motor	Axial piston hydraulic motor
Travel Speed (High/Low)	4.3/2.4 km/hr
Brake Operation	Hydraulic Brake
Parking Brake	Wet, multi-disc brake

Travel Mechanism

Center Frame	X-shaped
Track Frame	Box-type section
Sealed Track	Auto-greased track
Track Adjustment (Height)	Grease adjustment
No. of Track Shoes	40 each side
Carrier Roller	1 each side
Track Roller	5 each side

Operational Weight

(With operator, lubricant, coolant, full tanks, and standard specification)

Boom	3,000 mm
Dipper Stick	1,600 mm
Bucket	0.18 or 0.21 m ³ (Option)
Track Link	380 mm
Operational Weight	5.5 ton
Ground Contact Pressure	0.28 kg/cm ²

Oil Cylinder

Boom	110 mm X 60 mm X 719 mm
Dipper Stick	85 mm X 55 mm X 883 mm
Bucket	85 mm X 55 mm X 600 mm
Blade	110 mm X 60 mm X 197 mm

Hydraulic System

Hydraulic Motor

Travel Motor	Axial Piston Type x 2
Swing Brake	Wet, multi-disc brake

Main Pump

Type	Variable piston pump
Max. flowrate	2 X 57.8 ℓ /min

Safety Valve Setting

Hydraulic Circuit for Attachment	210 kgf/cm ²
Hydraulic Circuit for Travel	210 kgf/cm ²
Hydraulic Circuit for Swing	220 kgf/cm ²

Tank Capacity

Oil tank	115 ℓ
Hydraulic oil tank (full)	62 ℓ

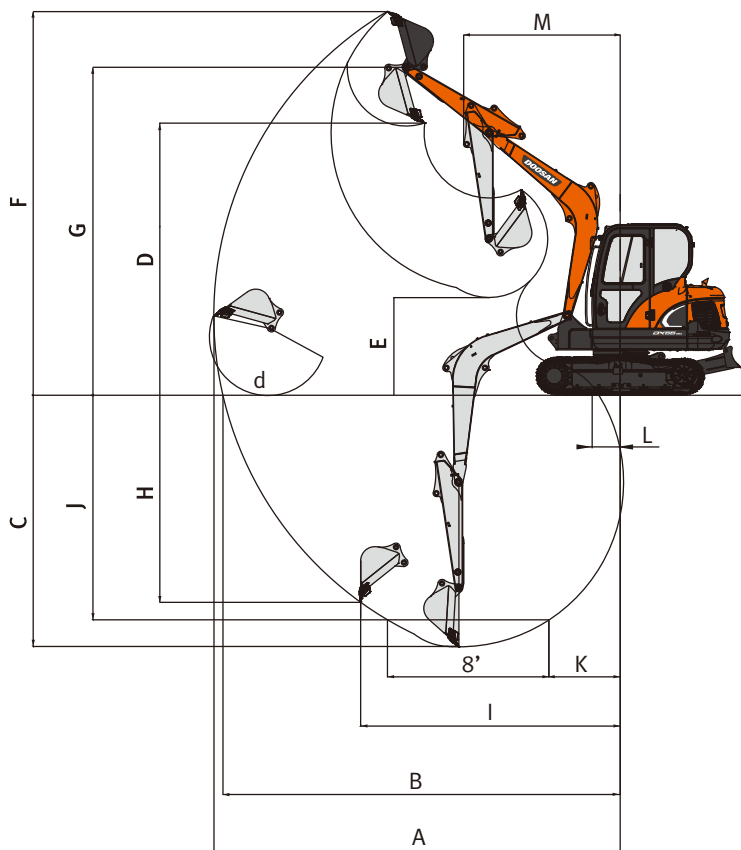
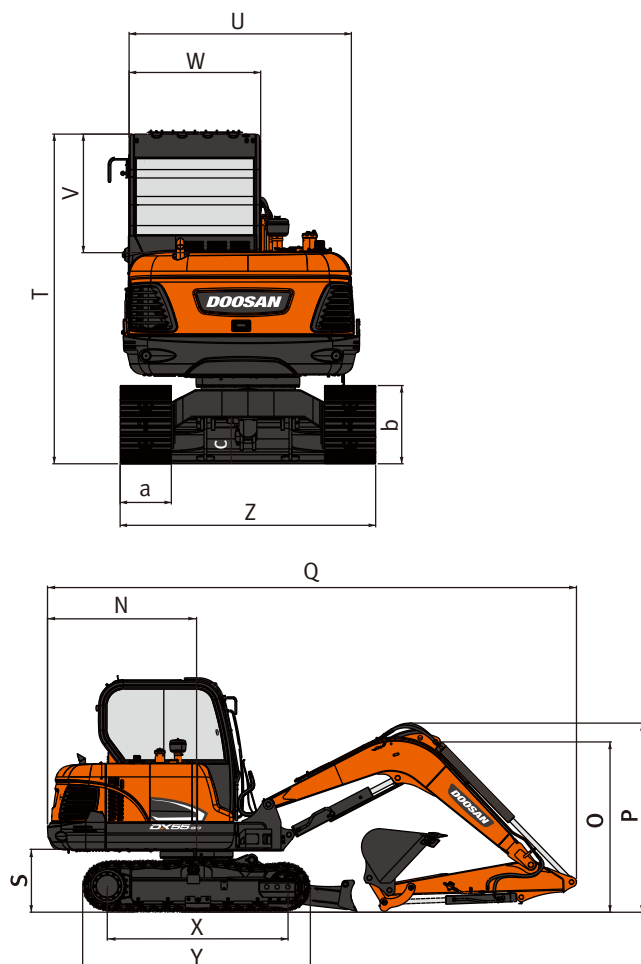
Cooling Water/Lubricant Refill Capacity

Radiator	Engine	Travel Reduce Gear Oil	Swing Reducer
10ℓ	10.5ℓ	2 X 1.4 ℓ	1 ℓ

Max. Digging Force (ISO)

Bucket	4.1 ton
Dipper Stick	2.5 ton

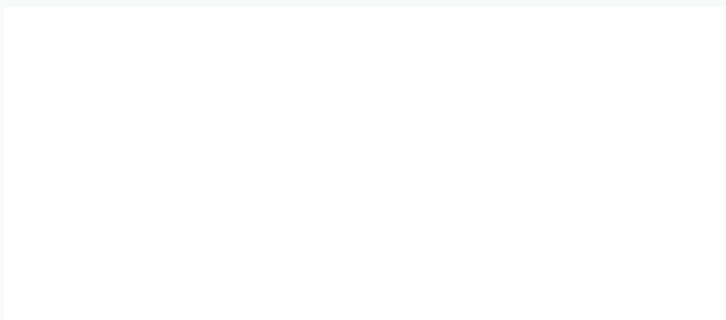
Technical Parameters



			DX55-9C
Tail Swing Radius	(mm)	N	1,650
Shipping Height	(mm)	O	1,930
Shipping Height	(mm)	P	2,040
Shipping Length	(mm)	Q	5,850
Counter Weight	(mm)	S	685
Wheel Base	(mm)	X	1,990
Track Length	(mm)	Y	2,540
House Width	(mm)	U	1,860
Cabin Height	(mm)	V	920
Above House	(mm)	W	1,030
Cabin Width	(mm)	T	2,590
Height	(mm)	Z	1860
Undercarriage Width	(mm)	a	380
Track Link Width	(mm)	b	615
Track Height	(mm)	c	360

			DX55-9C
Max. Digging Reach	(mm)	A	6,135
Max. Digging Reach (Ground)	(mm)	B	6,000
Max. Digging Depth	(mm)	C	3,800
Max. Loading Height	(mm)	D	4,110
Max. Loading Height	(mm)	E	1,470
Max. Digging Height	(mm)	F	5,795
Max. Height of Bucket	(mm)	G	4,950
Pin Shaft	(mm)	H	3,125
Max. Vertical Wall Depth	(mm)	I	3,915
Max. Radius Vertical	(mm)	J	3,390
Max. Depth to 8' Line	(mm)	K	1,070
Max. Radius 8' Line	(mm)	L	330
Min. Digging Reach	(mm)	M	2,370
Minimum Swing Radius	(mm)	d	180
Bucket Angle	(°)		180

Global Network of Doosan Infracore



The above specification is subject to change without prior notice.
For further details, please contact your regional dealer.
The photos may differ from the real products, which is not specifically noted.



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