



Doosan Infracore
Construction Equipment

DX60R

Engine Power : 37.3 kW(50HP)@2,200rpm (SAE J1349, net)

Operational Weight : 5,900 kg (13,007 lb)-rubber

Bucket capacity(SAE) : 0.175 m³ (0.229 cu.yd)



Photo may include optional equipment.



DX60R

Technical specifications

ENGINE

Model	4TNV98-ESDB6
Number of cylinders	4
Nominal flywheel power	37.3 kW(50HP) @ 2,200 rpm (SAE J 1349, net)
Max torque	19.3~21 kgf.m / 1,400 rpm
Piston displacement	3,319cc (202.5 cu.in)
Bore & stroke	φ 98 mm x 110 mm (3.8" X 4.3")
Starter	12 V x 3.0 kW
Batteries	1 x 12 V / 100 Ah
Alternator	12 V / 60 A

HYDRAULIC CYLINDERS

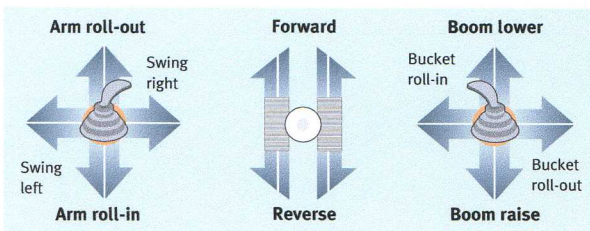
High-strength piston rods and tubes are used.

A cylinder cushion mechanism is provided for the boom and arm cylinders to assure shock-free operation and extend the life of the cylinders.

Cylinders	Quantity	Bore X Rod diameter X stroke
Boom	1	105 X 60 X 731mm(4.1" X 2.4" X 2'5")
Arm	1	85 X 55 X 811mm(3.3" X 2.2" X 2'8")
Bucket	1	80 X 50 X 600mm(3.1" X 2.0" X 2')

CONTROL IMPLEMENT LEVERS

Travel lever pedal pilot pressure control type. Right lever is boom and bucket control, left lever for swing and arm control.(ISO)



HYDRAULIC SYSTEM

2 Variable displacement axial piston tandem type pumps.

2 Gear pumps and control valve (11-spool) of section block construction. This original design enables both independent and combined operations of all function, joystick control type operations.

Main pumps	2 variable displacement axial piston pumps max flow: 2 x 49.3 ℓ /min + 35.6 ℓ /min (2 X 13 US gpm + 9.4 US gpm, 2 X 10.8 lmp gpm + 7.8 lmp gpm)
Pilot pump	Gear pump - max flow: 9.9 ℓ /min(2.6 US gpm, 2.2 lmp gpm)
Maximum system pressure	Boom/Arm/Bucket: 230 kgf/cm ² (225bar) Travel: 210 kgf/cm ² (205bar) Swing: 230 kgf/cm ² (225bar)

SWING MECHANISM

High-torque, axial piston motor with planetary reduction gear bathed in oil. Swing circle is single-row, shear type ball bearing with induction-hardened internal gear. Internal gear and pinion gear immersed in lubricant. Swing parking brake is spring-set, hydraulic-released disc type.

Swing speed	9.58 rpm
Rear swing radius	1,102mm(3'8")

SUPER-STRUCTURE REVOLVING FRAME

A deep, full-reinforced box section. Heavy gauge steel plates used for ruggedness.

