



Doosan Infracore  
Construction Equipment

# DX160W

Engine power: 99 kW / 132 Hp at 2.000 rpm

Operational weight: 15.900 ~ 16.720 kg

Bucket capacity (SAE): 0,24 ~ 0,76 m<sup>3</sup>



# Technical specifications

**DX160w**

## \* Engine

### • Model

Doosan DLo6  
 “Common Rail” engine with direct fuel injection and electronic control, 4 valves per cylinder, vertical injectors, water cooled, turbo charged with air to air intercooler. The emission levels are well below the values required for phase III

### • Number of cylinders

6

### • Nominal flywheel power

99 kW (134 Ps) at 2.000 rpm (DIN 6271, net)  
 99 kW (132 Hp) at 2.000 rpm (SAE J1349, net)

### • Max torque

53 kgf.m (520 Nm) at 1.400 rpm

### • Piston displacement

5.890 cc

### • Bore & stroke

100 mm x 125 mm

### • Starter

24 V / 4,5 kW

### • Batteries

2 x 12 V / 100 Ah

### • Air cleaner

Double element and pre-filtered Turbo with auto dust evacuation.

## \* Hydraulic system

The heart of the system is the e-EPOS (Electronic Power Optimizing System). It allows the efficiency of the system to be optimized for all working conditions and minimizes fuel consumption. The new e-EPOS is connected to the engine electronic control via a data transfer link to harmonize the operation of the engine and hydraulics.

- The hydraulic system enables independent or combined operations.
- Two travel speeds offer either increased torque or high speed tracking.
- Cross-sensing pump system for fuel savings.
- Auto deceleration system.
- Two operating modes, two power modes.
- Button control of flow in auxiliary equipment circuits.
- Computer-aided pump power control.

### • Main pumps

2 variable displacement axial piston pumps  
 Max flow: 2 x 156,1 l/min

### • Pilot pump

Gear pump – max flow: 18,5 l/min

### • Main relief valves

Boom/arm/bucket:  
 - Normal mode: 330 kg/cm<sup>2</sup> (324 bar)  
 - Power mode: 350 kg/cm<sup>2</sup> (343 bar)  
 Travel: 370 kg/cm<sup>2</sup> (363 bar)  
 Rotation: 245 kg/cm<sup>2</sup> (240 bar)

## \* Weight

Boom (mm)	Arm (mm)	Bucket (m <sup>3</sup> )	Operating weight (kg)
4.300	2.100	0,59	15.900
4.600	2.100	0,59	15.960
4.600	2.500	0,59	16.020
4.988 ARTI	2.500	0,59	16.460

