Machine Name : Excavators

Brand : DOOSAN

Machine Model : DX420LC

Stock No. : 810131

Ex-factory Date : 2015

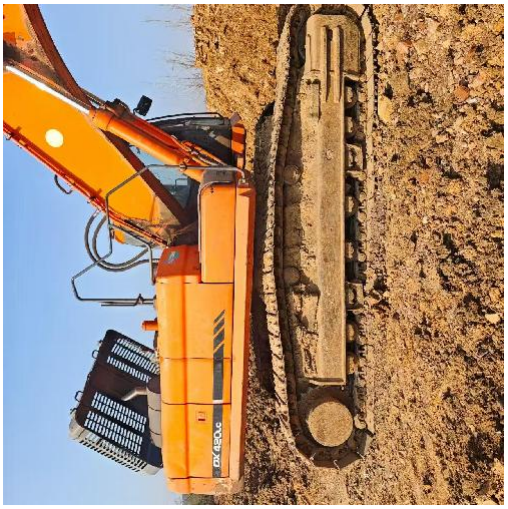


Main Technical Parameters:

Operating weight: ≈ 42,400 kg
Standard bucket capacity: 2.0 m³
Scope of work
Maximum excavation height: 10,625 mm
Maximum unloading height: 7,535 mm
Maximum excavation depth: 7,435 mm
Maximum excavation radius: 11,200 mm
Travel performance
Travel speed
1st speed: 5.1 km/h
2nd speed: 3.2 km/h
Rotary performance
Rotary torque
Early version (DX420LC-7): 127 kN·m (rated value)
Improvement after upgrade: approximately +28%
DX420LC-9C: 13,250 kgf·m
Digging power
Bucket digging force
Early version: ≈270 kN
DX420LC-9C: ≈ 26.3 t
Stick digging force (bucket pole digging force)
Early version: ≈201 kN
DX420LC-9C: ≈ 20.9 t
Engine and Hydraulic System
Engine
Early version
Model: DE12TIS (Turbocharged)
Rated power: 218 kW (≈293 HP)
Rated speed: 2,000 rpm
DX420LC-9C
Model: Scania DC13
Rated power: 245 kW (≈328 HP)

Rated speed: 1,800 rpm
Hydraulic System
Main pump type: Dual axial piston pump
Main pump flow rate
Early version: 2 × 315 L/min
DX420LC-9C: 2 × 335 L/min
Rotary motor: Axial piston type
Walking motor: Integrated motor and reducer
Dimensions and Weight
Overall machine length: 11,835 mm
Overall machine width: 3,350 mm
Overall machine height
To the top of the cab: 3,154 mm
To the top of the boom: 3,570 mm
Track plate width: 600 mm
Ground pressure (early version): 73.6 kPa
Oil Capacity and Configuration
Fuel tank capacity
Early version: 550 L
DX420LC-9C: 640 L
Hydraulic oil tank capacity (early version): 390 L
For reference only





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