

BACKHOE LOADER
770

CASE
CONSTRUCTION



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SPECIFICATIONS

770

ENGINE

Make _____ Kirloskar Oil Engines Ltd.
 Model _____ 4R1040TC BS-III
 No. of Cylinders _____ 4Cylinders, Inline
 Displacement _____ 4160 cc
 Type _____ 4 Stoke, Turbo charged Water Cooled, Diesel Engine
 Gross Power _____ 76 hp@2200 RPM as per ISO 3046
 Electrical System _____ 12 V DC
 Battery _____ 130 Ah rating
 Alternator _____ 65 A rated output

TRANSMISSION

Single stage hydrokinetic type torque converter Shuttle ranger with 4 speed synchromesh gearbox.

Travel Speeds with 16.9X28 rear tyres

Gear	Forward/Reverse
I	4.8/5.8
II	7.8/9.3
III	16.6/ Not Recommended
IV	29.7/ Not Recommended

AXLES & BRAKES

Front Axle _____ Heavy Duty oscillating 20 Deg type Steering axle
 Rear Axle _____ Rigid with planetary drives
 Wheel Base _____ 2200 mm (2WD) / 2175 mm (4WD)

Tread width

- Front _____ 1880 mm
 - Rear _____ 1760 mm
 Brakes _____ Oil immersed wet disc brakes on rear wheels hydraulically actuated

SERVICE REFILL CAPACITIES

Hydraulic system capacity (Main) _____ 142 Litres
 Fuel Tank _____ 122 Litres
 Engine Coolant Water _____ 18 Litres
 Engine Oil _____ 9.5 Litres
 Transmission _____ 16 Litres
 Axle _____ 22 Litres

STEERING

Steering _____ Hydraulic actuation with independent Hydraulic Circuit
 Steering Gear Pump Max. output @2200 RPM _____ 22 LPM
 Turning Radius with brake _____ 3217 mm Outside Tyre
 Turning Radius without brake _____ 4488 mm Outside Tyre
 Turning Radius without brake _____ 5500 mm Outside Bucket

HYDRAULIC SYSTEM

Gear Pump Max. output @2200 RPM _____ 123 LPM
 System Pressure _____ 190 Bar

BACKHOE

Max. reach from centre line of machine

Side Shift _____ 6126 mm
 Swing arc _____ 180 Deg
 Bucket Rotation _____ 204 Deg
 Loading reach at max. height _____ 2357 mm
 Max. height _____ 5386 mm
 Max. dump height _____ 3550 mm
 Max. reach from pivot @ ground level _____ 5582 mm
 Max. dig depth _____ 4335 mm
 Max. lift capacity (No bucket fitted as per SAE J31) _____ 1315 kgs

Breakout force

Dipper _____ 3725 kJf
 Bucket _____ 5093 kJf

OVERALL DIMENSIONS AND WEIGHTS

Overall operating weight _____ 7500 kgs
 Ground clearance _____ 333 mm
 Overall width of side shift machine for transport _____ 2320 mm
 Overall height, transport position _____ 3887 mm
 Overall length transport position with standard Bucket without teeth _____ 5884 mm

BOTTOM DUMP BUCKET

This multipurpose bucket is ideal for digging, loading, dozing, backfilling, grading and grab operation.

Bucket width Outside _____ 2265 mm
 Width of dozer blade _____ 2280 mm
 Maximum Clamp Opening _____ 977 mm
 Bucket capacity (SAE HEAPED) _____ 1.0 Cu.m
 Dump height _____ 2710 mm

LOADER

Bucket reach flat on ground _____ 1518 mm
 Grading angle _____ 115 deg
 Digging depth bucket flat on ground _____ 39 mm
 Dumping angle _____ 43° Deg
 Max. Loader Break Out Force _____ 6807 kg
 Lift Capacity @Max. height _____ 3425 kg
 Max. Payload _____ 1760 kg



Modular Transmission



Heavy Duty Axle



Form No. IN4201CCGB - MediaCross Firenze - 10/15

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CASE NEW HOLLAND CONSTRUCTION EQUIPMENT (INDIA) PRIVATE LIMITED

**B1-207, 2nd Floor, Boomerang, Chandivali Farm Road
Near Chandivali Studio, Andheri (East)
Mumbai - 400072, Maharashtra, India
Email: caseindia@cnhind.com**

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