

Specifications, Service and Repair of Farm and Lawn Tractors



International Harvester B414 Technical Specifications



International B414 Engine Data

Diesel Engine

Engine Model	International Harvester BD154
Engine Type	Diesel, 4-stroke 4-cylinder water-cooled
Number of Cylinders	4
Displacement, cu in (L)	153.9 (2.50)
Engine Bore, in (mm)	3.50 (89.0)
Engine Stroke, in (mm)	4.00 (102.0)
Aspiration	Naturally aspirated
Rated Engine Power, hp (kW)	43.5 (32.4)
Rated Engine Speed, rpm	2000
Maximum Torque, Nm (ft-lbs)	153 (113)
Torque Speed, rpm	1400
Compression	22.6:1
Firing Order	1-3-4-2
Fuel System	Indirect injection
Air Cleaner	Oil bath
Fuel Tank Capacity, gal (L)	12.7 (48.1)
Oil Capacity, qts (L)	5.0 (4.7)
Coolant Capacity, qts (L)	10.0 (9.5)
Electrical System Rating, Volts	12

ENGINES

[Kubota Engines](#)
[Perkins Engines](#)
[Yanmar Engines](#)
[Kohler Engines](#)
[Onan Engines](#)
[Kawasaki Engines](#)

TRACTORS SPECIFICATIONS

[Allis Chalmers Specs](#)
[International Harvester Specs](#)
[Farmall Specs](#)
[J.I. Case Specs](#)
[John Deere Specs](#)
[Massey Ferguson Specs](#)
[Kubota Specs](#)
[New Holland Specs](#)
[Ford Specs](#)
[Cub Cadet Specs](#)
[Case IH Specs](#)
[Oliver Specs](#)
[McCormick Specs](#)
[Mahindra Specs](#)
[Bobcat Specs](#)
[Branson Specs](#)
[LS Specs](#)

SERVICE AND REPAIR

Gasoline Engine

Engine Model International Harvester BC144
Engine Type Gasoline, 4-stroke 4-cylinder water-cooled
Number of Cylinders 4
Displacement, cu in (L) 143.1 (2.30)
Engine Bore, in (mm) 3.38 (86.0)
Engine Stroke, in (mm) 4.00 (102.0)
Rated Engine Power, hp (kW) 43.5 (32.4)
Rated Engine Speed, rpm 2000
Maximum Torque, Nm (ft-lbs) 157 (116)
Torque Speed, rpm 1300
Compression 6.3:1
Air Cleaner Oil bath
Fuel Tank Capacity, gal (L) 12.7 (48.1)
Oil Capacity, qts (L) 5.0 (4.7)
Coolant Capacity, qts (L) 10.0 (9.5)
Electrical System Rating, Volts 12

Power Take-Off

PTO Operational Type Live
PTO Horsepower, hp (kW) 35.0 (26.1)
PTO Speed, rpm 540
PTO / Engine Speed, rpm 540/2000

International B414 Transmission

Transmission Type Sliding gear
Gearbox Type 8F/2R
Number of Forward Gears 8
Number of Reverse Gears 2
Clutch Type Dry disc
Oil Capacity, qts (L) 20.0 (18.9)
Maximum Forward Speed, mph (kph) 15.6 (25.0)
Maximum Reverse Speed, mph (kph) 6.5 (10.4)

Transmission Type Reverser
Gearbox Type 8F/8R
Number of Forward Gears 8
Number of Reverse Gears 8
Clutch Type Dry disc
Oil Capacity, qts (L) 20.0 (18.9)
Maximum Forward Speed, mph (kph) 15.6 (25.0)
Maximum Reverse Speed, mph (kph) 19.6 (31.5)

IH B414 Wheels and Tires

Drive Wheels 2WD 4x2
Steering Configuration Front steer
Steering System Manual or power
Brakes Type Independent mechanical disc
Front Tire Size 6.00-16
Rear Tire Size 13.6-28
Front Tread, in (mm) 48-76 (1210-1930)
Rear Tread, in (mm) 48-76 (1210-1930)

IH B414 Hydraulic System

Hydraulic System Type Open center
Implement Pump Type Gear
Implement Pump Flow, gpm (Lpm) 6.9 (26.1)
Hydraulic Fluid Capacity, gal (L) 3.0 (11.4)
Hydraulic Pressure, Bar (psi) 142 (2050)
Number of Standard Remote Valves 0/2
3-Point Hitch Category 1

Dimensions and Weight

Wheelbase, in (mm) 76.5 (1940)
Length, in (mm) 117 (2970)
Height (Steering Wheel), in (mm) 60.6 (1530)
Overall Width, in (mm) 64 (1620)
Ground Clearance, in (mm) 18.7 (470)
Turning Radius (without Brakes), in (mm) 133 (3360)
Turning Radius (with Brakes), in (mm) 106 (2680)
Weight (Shipping), lb (kg) 3600 (1630)
Weight (Operating), lb (kg) 4050 (1835)
Weight (Ballasted), lb (kg) 6715 (3045)

[JD Service-Repair](#)

[MF Service-Repair](#)

[Kubota Service-Repair](#)

[JD Maintenance](#)

[MF Maintenance](#)

[Kubota Maintenance](#)

FRONT END LOADERS

[John Deere Loaders](#)

[Kubota Loaders](#)

[Massey Ferguson Loaders](#)

[Case IH Loaders](#)

[Ford Loaders](#)

[New Holland Loaders](#)

[Mahindra Loaders](#)

[Bush Hog Loaders](#)

[Woods Loaders](#)

[Alo Quicke Loaders](#)

[Koyker Loaders](#)