

VOLVO BACKHOE LOADER

BL71



- **Gross Power :**
SAE : 70 kW / 94HP
- **Net Power :**
EEC 80/1269 : 70 kW / 90HP
- **Operating Weight :**
8594 kg
- **Bucket Capacities :**
Loader : 1000 l
Backhoe: 200 l
- **Maximum Digging depth :**
4300 - 5370 mm
- **VOLVO exclusive "Self-Leveling" linkage**, single cylinder offers an impressive digging force and excellent visibility.
- Loader is controlled by a **VOLVO patented hydraulic joystick** for smooth loading.
- **Backhoe boom is of a curved design** for easy loading.
- **Backhoe cylinders are cushioned** to eliminate jolting.
- Rigid hydraulic lines are cleanly routed inside the boom.
- **Hydraulic circuit is closed center, load sensing**, for optimum power using.
- **Control valve is "Flow Sharing"** for simultaneously performing functions.
- **Excellent serviceability at the ground level** via a fully rear-tilting bonnet.
- **Service points are grouped together** and easily accessible.

VOLVO



ENGINE

Low emission engine, with reduced fuel consumption.

Model.....VOLVO D4DCBE1
 TypeDry sleeve
 N° of cylinder.....4
 Displacement.....4038 cm³
 AspirationTurbo
 Compression ratio19 : 1
 Power (Gross SAE)70 kW – 94 HP
 Rated speed2200 rpm
 Max torque389 Nm @ 1500 rpm



HYDRAULIC SYSTEM

Flow sharing system : when the control valve is performing two or more functions simultaneously, flow sharing automatically maintains the pressure and flow for each function.

System.....Close center
 TypeLoad Sensing
 Pumps typeVariable flow
 Distributor“Flow Sharing” VOLVO exclusivity
 Max flow160 l/min
 Working pressure.....250 bar
 System capacity110 l
 Double regulating piston pump



DRIVETRAIN

Final drive type.....External planetaries
 Total oscillation angle20°
 Differential locking100 %

Front axle

Load rating, Static.....2424 kg
 Load rating, Dynamic970 kg

Rear axle

Load rating, Static.....3316 kg
 Load rating, Dynamic1326 kg

Transmission

Powershuttle gear box with four forward and four reverse fully synchronized gears. Electro-hydraulic forward/reverse switch on the steering column and on the loader joystick

Travel speed

SPEEDForwardReverse
 1.....3.9 MPH3.9 MPH
 2.....6.2 MPH6.2 MPH
 3.....3 MPH3 MPH
 4.....23.9 MPH23.9 MPH

Tyres

Rear : Good Year "Industrial Sure Grip" 16,9 x 30
 Front : Good Year "Sure Grip Lug" 16/70 x 20



WEIGHT

(Standard machine with 4 in 1 loader bucket, heavy duty backhoe bucket, counterweight, operator and full fuel tank, extendible deeper)

Operating weight8594 kg



BRAKING SYSTEM

Total integral braking on the 4 wheels.

Type.....Oil immersed disc brakes
 Number.....3 for each wheel
 Parking and safety brake.....Acting on the service brake



LOADER PERFORMANCE

Standard loader is a self-leveling, single cylinder loader type.

Bucket width2240 mm
 Bucket capacity.....1.0 M³
 Lifting capacity at full height3152 kg
 Bucket Breakout force5354 daN

Pin height3470 mm
 Dumping reach @ 45°895 mm
 Dumping height.....2630 mm
 Digging depth159 mm



BACKHOE PERFORMANCE

The boom is of a curved design for easier truck loading.

Bucket capacity.....0,2 m³
 Bucket width.....610 mm

Bucket digging force.....5968 daN

Crowd digging force3878 daN
 Extendible Ret/Ext3878/2849 daN

Digging depth (SAE)4290 mm
 Telescopic5510 mm

Reach from swing post (SAE)5860 mm
 Telescopic7080 mm

DIMENSIONS

Overall length5800 mm
 Overall width (with bucket)2240 mm
 Transport hoe height3730 mm
 Cab height2920 mm
 Wheel base2150 mm
 Ground clearance (chassis)339 mm