







A.B. EXCAVATORS & EARTHMOVERS (P) LTD.

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Authorised Dealer













AB 1 O SPECIFICATIONS

ENGINE

Low emission engine, with reduced fuel consumption

Model4R. 1040(KIRLOSKAR)Type4 cyl. In lineNo. of cylinder4Displacement4160AspirationN. A.Compression ratio18:1Power (Gross SAE)57 KW / 76 HP

Rated speed 2200 rpm
Max torque 272 NM @ 1400 rpm
Cycle 4 stroke

Combustion system

Fuel system

FIP

Direct Injection
In line
MICO

FIP MICO
Type In line pump

Electric system

Rated voltage 12 V Battery capacity 88 AH Alternator rating 65 AMP

Hydraulic system

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

System Close center
Type Load sensing pump
Pump type Gear pump
Distributor "Flow sharing"
Max flow 140 L /min (80 L+60 L)
Working pressure(MRV) 225 bar
System capacity 140 L

Unloader valve pressure

Full power front wheel hydrostatic power steering with manual capability in the event of engine or hydraulic power failure. Hydraulic supply from pump via priority valve. Working pressure 1750 p.s.i.(121 bar)

205 bar

Type Ioad sensing hydrostatic
Turns lock to lock 3
Turning radius between walls
Turning radius curb-curb 4m

Weigh

Machine with standard loader & backhoe bucket (0.25m³) standard dipper without counter weight & operator with full fuel tank.

Operating weight 76 00 kg.

AXLES & BRAKES

Out board planetary final drives for easier servicing foot operated differential lock for ease of operation.

16° front axle oscillation to maintain maximum ground contact and action.

Self equalizing and self adjusting high capacity and long life sealed wet disc brake.

Drive Train

Final drive type external planetaries
Total oscillation angle 16°

Differential locking 1

FRONT AXLE

Load rating, Static 23750N Load rating, dynamic 9500N

REAR AXLE

Load rating, Static 187500N Load rating, dynamic 75000N

Transmission

Power-shuttle gear box with four forward and reverse fully synchronized gears, electro-hydraulic forward/reverse switch on the steering column.

AB-10 backhoe loaders comes with 2WD standard and 4WD optional.

SERVICE FILL CAPACITIES

Cooling system 19 L Engine oil (W/filter) 10 L Fuel tank 110 L

Rear Axle

Differential oil capacity with hub. 17 L Hydraulic system 140 L

Transmission 16 L with system 19.5 L

Brake system 1 I

Backhoe Performance

The boom is of a curved design for easier loading.

Bucket width 770mm
Bucket capacity 0.25 m³
Bucket digging force 59.1 KN
Dipper digging force 39.6 KN
Bucket rotation 194°
Swing torque 26 K N-M

Loader performance

Standard loader is a 4 cylinder self leveling type to ensure equal distribution of load.

Bucket width

Bucket capacity

Lifting capacity at full height

Bucket breakout force

2350 mm

1.3 m³

3154 kg

55.4 KN

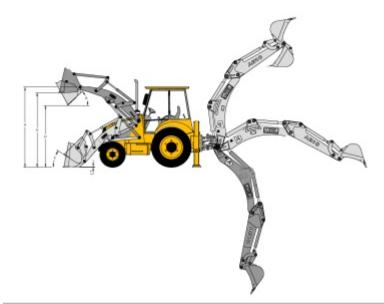
Features:

Return to dig Optional
Number of bucket cylinders
Boom, Slew & Dipper ram
suspension system Standard

Tyres

Large front tyres give great loading perfomance.

Rear 16.9 x 28 12 PR front 9 x 16 16 PR



Loader Dimensions	
A - Pin height	3.45m
B - Dump angle	45°
C - Dump Reach @ 45°	0.77m
D - Dump Height	2.75m
E - Roll back at Ground	43°
F - Dig depth below grade	0.148m
G - Load over height	3.23m
Backhoe Dimensions	
H - SAE max digging depth	5.00m
I - Loading clearance	4.26m
J - Reach at max height	2.88m
K - Max operating height	6.06m
L - Reach from swing post	5.79m
M - Reach ground level to rear wheel centre	7.15m





imensions - Transport Position	
- Overall length	5.83m
- Overall width	2.45m
- Overall height	3.93m
- Wheelbase 2wd	2.17m
- Minimum ground clearance	0.66m
- Hight to top of cab	2.9m
- Track width rear	1.76m
- Track width front	1.86m



Gross power SAE: AB-10: 57Kw / 76HP

Operating weight 8594 kg. 7400 UWL

Bucket capacity Loader: 1200L Bucket: 250L

SAE Max digging depth 4280 - 5343 mm





