

JCB SUPER LOADER - ONE MACHINE, MULTIPLE SOLUTIONS



**JCB SUPER LOADER** | 2DXL-31, 2DXL-40

Gross power: 36.4kW (49hp), Operating weight: 5600kg



# Why Super Loader?



## Super Performance

New long loader arm - High dump height options of 3.1 / 4.0 m.



## Super Reliability

Torque converter, JCB transmission and parallel lift loader arm for higher uptime.



## Super Efficiency

Ease of operation, lower maintenance & effective performance.



## Super Versatility

10+ Attachments eg. 1.3 cum shovel, cotton bucket, high dump shovel & bale grabber.



## Super Operator Comfort

Cabin/Canopy with front glass & comfortable seat for ease of operation.



## Super Technology with Safety

### LiveLink:\*

An advanced telematics monitoring system based on principles of service, operation and security to manage your machine remotely.



## Super Product Support

Widespread 700+ dealer outlets network to get best after-sale services.



\*Optional

# IDEAL MACHINE FOR COTTON INDUSTRY

## Rear cooling pack to avoid over-heating

- Reduces radiator clogging in extreme dusty conditions (cotton, mushroom or coir)
- Better cooling of machine
- No chance of accidental fire

## Front mesh

- Prevents radiator clogging
- Easy to clean radiator

## Heat insulation shield

- Insulation kit consists of a manifold cover, muffler & end cap to avoid fire
- Safety of the machine round the clock



# SUPER RELIABILITY

## Robust structure

- Structural integrity achieved through rigorous design involving F.E.A and strain gauging
- JCB manufacturing process & testing ensure consistent quality & reliability of structures
- Robust and heavy duty structure made of high quality steel

## Durable and reliable JCB Transmission

- JCB synchroshuttle provides superb driving power in all conditions
- Consists of 4 speed, fully synchromesh, smooth shift gear box with integral torque convertor
- Torque convertor stall ratio is 3.01:1



## SUPER OPERATOR COMFORT

Today, working at a construction site is a real challenge. It requires hard work in all weather conditions. In a world where the construction industry has to evolve every day to meet the ever-increasing demands and deliver in tight deadlines, JCB Super Loader Machine stays updated to the changing industry dynamics and enhances the safety & comfort of the operators. Well protected with tough front glass and a comfortable seat, the JCB Super Loader Machine has a cabin/canopy that ensures the operator gets complete comfort, safety and ease to deliver enhanced performance and beat all challenges at any site with ease and super control.

### JCB Super Loader's Features

- Canopy as standard
- Cabin (optional) more comfortable
- Front Glass - more safety
- Reverse Shuttle Gear - ease of operation
- Comfortable wider set



# SUPER PERFORMANCE IN 4 WHEEL DRIVE

## Higher traction and better mobility

- Provides higher traction on all four wheels
- Allows excellent mobility even on slush and sand
- Enables machine to overcome gradient easily even while loading
- Available as an option



## Powerful engine

- 1 Highly fuel efficient & powerful water cooled diesel engine developing 36.4 kW (49 hp) @ 2200 RPM
- 2 Water separator provided for more reliability and longer fuel pump life
- 3 Long service intervals (500 hours) for achieving better economy



## Incredible productivity

- 1 The 258 l PSI hydraulic system pressure allows higher break out forces enabling the machine to penetrate for higher productivity
- 2 Durable loader arm design for higher lift capacity and lower cycle times
- 3 28 Km/hr travel speed for faster coverage of longer distance and on site movements



# ONE MACHINE, MULTIPLE SOLUTIONS



General purpose shovel



6 in 1 Shovel



High dump shovel



Grabbing fork shovel



High dump high volume shovel



Coal handling



Loose wood



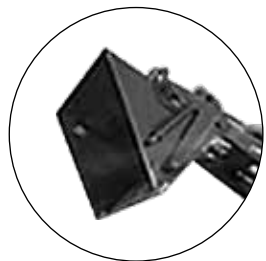
Grabber



Pallet handling



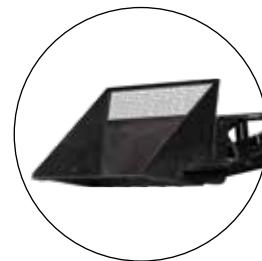
Dozer levelling



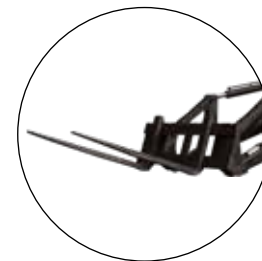
1.3 cum shovel (low density)



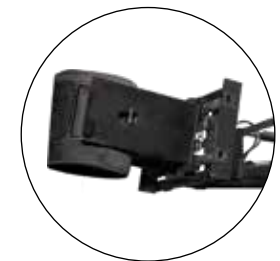
Front end dozer blade



Bagasse dozer



Pallet fork



Bale grabber





### Reliability & Safety

- Front glass
- Durable counterweight
- Torque convertor
- Sturdy axles



### Easy finance & Machine registration (RTO)

- Attractive and easy finance scheme available
- Easy registration at all RTOs across India
- Insurance of complete machine



### Value for money

- Excellent resale value
- Single invoice of machine + attachment, thus, convenient EMI
- Single warranty support system



### Serviceability

- 700+ Dealer outlets network
- Genuine parts availability
- 24x7 Customer care call centre



### Operator comfort

- Full cover canopy
- Spacious cabin
- Comfortable operator seat
- Easy gear shifting (forward / reverse)



### LiveLink : Advanced telematics system

#### Service

- Service reminder
- Machine data backup
- Critical machine health alerts

#### Operation

- Fuel level information
- Machine utilisation reports
- Engine status

#### Security

- GPS tracking
- Operating hours
- Possible intrusion / Tow away
- Geofencing



# JCB SUPER LOADER

## ONE MACHINE, MULTIPLE SOLUTIONS





EXCEEDING EXPECTATIONS  
**EVERYWHERE**

Towards Industry's finest customer support network



**5,000+**  
Trained service engineers



**18**  
Training centres



**3,000+**  
Mobile service engineers



**250+**  
Mobiles vans



**24x7 Support**  
12 Languages



**60+**  
Dealers



**700+**  
Outlets



**5**  
Parts warehouses



# PEACE OF MIND

## JCB'S CERTIFIED ENGINEERS FOR SUPER LOADER

JCB's certified engineers are there to maximise your profitability and reduce downtime. Our engineers are always there to serve the customers and provide value-added solutions to all their concerns regarding the machines and services.



JCB trained and certified engineers



Best-in-class service and repairs



On-site training and support



## SMART & DIGITAL SUPPORT



Download from:



LiveLink



Genuine Parts

Scan the QR Code to connect to JCB Support Facebook Page



# EXTENDED CARE

## GIVE YOUR MACHINE EXTENDED WARRANTY AND CARE.

- JCB Careplus is an extended warranty programme that comes into effect after the machine standard warranty expires.
- JCB Careplus can be purchased within the 1<sup>st</sup> year from the sale of the machine.
- The programme offers you peace of mind and saves your maintenance cost even after your machine standard warranty expires.



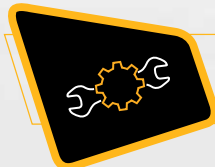
Extended  
Warranty  
Programme



## BENEFITS OF JCB CAREPLUS



No limits  
on number  
of claims



Preventive  
maintenance  
service\*



Nationwide  
coverage\*



JCB skilled  
manpower  
support



Maximum  
productivity



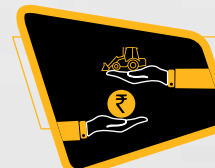
Maximum  
uptime



Maximum  
performance



Breakdown  
cost protection



Better resale  
value

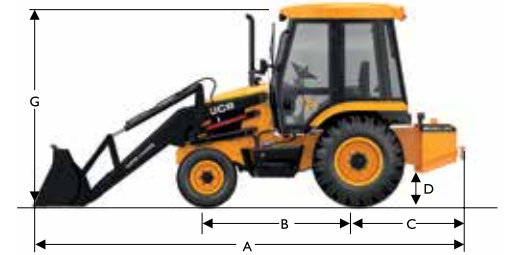
\*T&C Apply



## PERFORMANCE DIMENSIONS



## STATIC DIMENSIONS



### LOADER PERFORMANCE

			2DXL-31	2DXL-40
M	Dump height	m (ft-in)	3.10 (10-2)	4.0 (13-1)
N	Load over height	m (ft-in)	3.55 (11-8)	4.15 (13-7)
O	Pin height	m (ft-in)	3.71 (12-2)	3.71 (12-2)
P	Pin forward reach	m (ft-in)	0.27 (0-11)	0.27 (0-11)
Q	Reach at ground	m (ft-in)	1.88 (6-2)	2.00 (6-7)
R	Max reach at full height	m (ft-in)	1.04 (3-5)	1.20 (3-11)
S	Reach at full height - shovel dumped	m (ft-in)	0.73 (2-5)	0.90 (2-11)
T	Below ground level depth	m (ft-in)	0.105 (0-4)	0.152 (0-6)
U	Rollback at ground	deg	41	42
V	Dump angle	deg	43	42
	Payload	kgf	1000	900
	Shovel break-out force	kgf	3480	3480
	Loader arm break-out force	kgf	1700	1700
	Standard shovel	cu.m	0.60 (G.P. Shovel)	0.62 (Hi Dump)

### Benefits of using JCB Super Loader

#### Productivity & reliability

Given the high quality machine that it is, it offers high productivity and reliability with torque convertor

#### Easy to operate

The Super Loader is easy to operate and manoeuvre in constraint spaces

#### Versatility

A wide array of attachments such as high dump shovel, 6-in-1 shovel, dozer blade make the machine highly versatile

#### Safety & comfort

Enabled with added safety features, JCB 2DXL Super Loader offers enhanced security and operator comfort

#### Style & design

It is designed for better visibility and comes with an open canopy or fully closed cabin, making it more stylish & comfortable

#### Easy finance & registration

Attractive and easy finance schemes are made available by many financiers for the purchase of JCB Super Loader. It can easily be registered at all RTO's across India

### STATIC DIMENSIONS

			2DXL-31	2DXL-40
A	Overall length	m (ft-in)	5.90 (19-4) (standard shovel)	6.1 (20-0)
B	Wheelbase	m (ft-in)	2.08 (6-10)	2.08 (6-10)
C	Rear overhang	m (ft-in)	1.48 (4-6)	1.48 (4-6)
D	Minimum ground clearance	m (ft-in)	0.33 (1-1)	0.33 (1-1)
	Overall width	m (ft-in)	1.85 (6-1)	1.85 (6-1)
G	Height to top of cab	m (ft-in)	2.66 (8-8)	2.66 (8-8)
J	Track width - Rear	m (ft-in)	1.42 (4-8)	1.42 (4-8)
K	Track width - Front	m (ft-in)	1.58 (5-2)	1.58 (5-2)
L	Width over shovel	m (ft-in)	1.93 (6-4)	1.93 (6-4)



## ENGINE

KOEL 4R810, naturally aspirated, 4 cylinder, water cooled, BS-III diesel engine.

Displacement : 3.2 L

Gross power : 36.4 kW (49 hp)

Gross torque : 203 Nm (20.7 kgm) @ 1300 rpm

## TRANSMISSION

The JCB SS 700 synchroshuttle transmission consists of a 4-speed, fully synchromesh, smooth shift gearbox with integral torque convertor and electrically operated reversing shuttle.

- Easy to use, column mounted **electric reversing shuttle** switch can change machine direction while allowing operator to keep hands on the steering wheel leading to fast cycle time
- The pedals layout and conventional 4-pattern gear level with transmission switch add to the overall ease of operation.
- Torque converter stall ratio 3.01:1

## AXLES

Front Axle:

2WD steer axle, centrally pivoted with oscillation angle of 16°

Rear Axle:

Drive axle rigidly mounted incorporates JCB Max-track torque proportioning differential, driven by prop shaft from gear box.

## BRAKES

Service : Hydraulically actuated, dual line, self-adjusting (compensated), oil immersed, multi-disc type on the rear axle, well protected from dirt, water, etc. Operated through independent pedals linked together for normal use. Two independently operating foot pedals enable machine to maneuver in tight spaces.

Parking : Hand operated disc brakes on rear axle input disc.

## STEERING

Full power, front wheel hydrostatic power steering with manual capability in the event of engine or hydraulic power failure.

- Max. steering angle: ± 43°

## ELECTRIC

100 Ampere-hour 12V battery system with alternator and full road lighting.

## TYRES

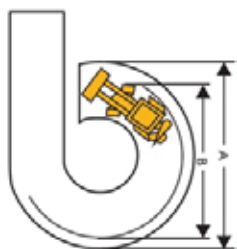
Front	:	8.25 X 16
Rear	:	14.9 X 24 (Industrial Tyre Pattern Tyres) & 12.0 X 24 (Heavy Duty Tyres)
Front tyre pressure	:	80 PSI (8.25 X 16)
Rear tyre pressure	:	31 PSI (14.9 X 24) 44 PSI (12.0 X 24)

## SPEED (2WD)

Gear	Forward	Reverse
1st	4.4	4.4
2nd	7.1	7.1
3rd	15.2	Not recommended
4th	28.8	Not recommended

## TURNING CIRCLE

	3.1 m	4.0 m
<b>Inner wheels brake</b>		
A Outside loader bucket	11.34 m	11.5 m
B Outside wheels	8.0 m	8.0 m
<b>Inner wheels not brake</b>		
A Outside loader bucket	11.80 m	11.96 m
B Outside wheels	8.72 m	8.72 m



\*Standard bucket in travel position

## HYDRAULICS

- Pump type : 2 Section displacement gear.
- Pump flow : 63 lpm
- Main relief valve : 178 bar (258 PSI)

## SERVICE CAPACITY

Fuel tank	:	60 L
Hydraulic tank	:	60 L
Engine coolant	:	13.5 L
Engine oil	:	8.0 L
Transmission	:	16 L
Rear axle	:	21 L

## CANOPY/CABIN

- Front glass with wiper provided for operator comfort while driving.
- Excellent operator safety
- Floor mat and plenty of leg room minimise fatigue and provide extra comfort to operators.
- Adjustable operator seat combined with ergonomically positioned controls and soft touch steering wheel allow an operator to work un-interruptedly for long hours.
- CANOPY provides easy 'walk through' access. Other features include seat belt, large convex rear view mirror, front screen wiper, front and rear horn, hazard warning system, lockable tool box and helper seats (2+1).
- Instrument panel is positioned on the right hand side and includes engine speed, engine hours, fuel level, water temperature and mobile charger.
- Audible and visual fault warning system for alternator charging, coolant temperature, engine oil pressure, blocked air filter, transmission oil pressure and temperature and hand-brake on.

## WEIGHT

Shipping weight (3.1 m with : 5600 kg  
standard bucket & Cab)

## ATTACHMENTS

- Booster shovel (High dump shovel for 4.0 m dump height)
- 6-in-1 shovel
- High dump high volume shovel
- Front end dozer blade
- Bagasse dozer
- Grabbing fork shovel
- Pallet fork
- Bale grabber
- 1.3 cum shovel (low density)

## LIVELINK

Advanced telematics system enables you to monitor and manage your machines remotely by providing information on:

- Service** : Routine maintenance information and alerts.
- Operation** : Health alerts and usage data.
- Security** : Machine location & movement data.

## OPTION

- Heavy-duty rear tyres (12x24)
- Cabin
- LiveLink
- RCP (Rear Cooling pack for applications like Cotton, Coir, etc.)
- 4WD



**ONE COMPANY, OVER 300 VARIANTS.**

Dealer's stamp:

**JCB INDIA LIMITED** 23/7 Mathura Road, Ballabgarh - 121 004 Haryana, India. Fax: 91 129 2309050

For more information call our toll free no. **1800-1037-386**

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