NEW

3DX SUPER / 4DX | ecoXcellence Backhoe Loaders



eco XCELLENCE

- Fuel Efficient
- Highest Return on Investment
- Longlife JCB ecoMAX Engine
- Spacious Cabin
- Music System
- AC Cool Comfort
- Servo Controls

JCB

Experience the excellence

Best-in-class operating cost
Highest in output lowest in fuel. Up to 7% more fuel savings and 30% more savings on maintenance cost.

Best-in-class loader end
Highest dump height in the industry, loading high body trucks for quicker cycle times.

Best-in-class excavator end
Quick excavation cycle time and higher digging forces for higher productivity.

Best-in-class durability
New 10 bolt wheel axle, improved pin/bush life, higher fuel tanks & long life stabiliser pad.

Best-in-class telematics; JCB livelink
An advanced system that enables customers to manage and monitor machines remotely; SOS.

Best-in-class operator comfort
Reliable music system as standard, new roof liner & boom decals.

Long lasting structure

- Robust one-piece structure
- EDSD loader arms tested chassis design
- Lifelong structural durability
- Exceptional ground clearance helps in protecting the under side
- Easy filling and servicing from ground level

Unmatched excavator performance

- Straight boom and dipper maximise trench length with less machine movements
- Rams and hoses concealed within the boom for increased hose protection
- Narrow boom and dippers for excellent visibility
- 201 degree bucket rotation
- Extra digging* provides 1.0m more dipper length

*(For 3DX Super)



Powered by JCB ENGINE ecoMAX

16 Valves Effort | BIG on Fuel Saving

Environment Friendly | Low Maintenance Cost | Best-in-Class Productivity

Reliable | Long Life | Low Noise & Vibration

eco XCELLENCE

4X4









Big spacious cabin with easy access

- Tinted glass cabin for all round visibility and sun protection
- CED coated painting for longer life
- Adjustable & comfortable seat for easy day-long working
- Reduced noise, heat & vibration for operator comfort & productivity
- Large leg space for ease of operation & operator comfort
- Face fan for operator comfort in hot environment
- Excellent ventilation – partial or full opening front and rear side windows
- Access to gearbox through cabin floor for minor maintenance
- AC (cool comfort)*
- Excavator end servo controls*
- FM Radio and music player with speakers

*Optional feature for rested operator, leading to high productivity







New contemporary design bonnet

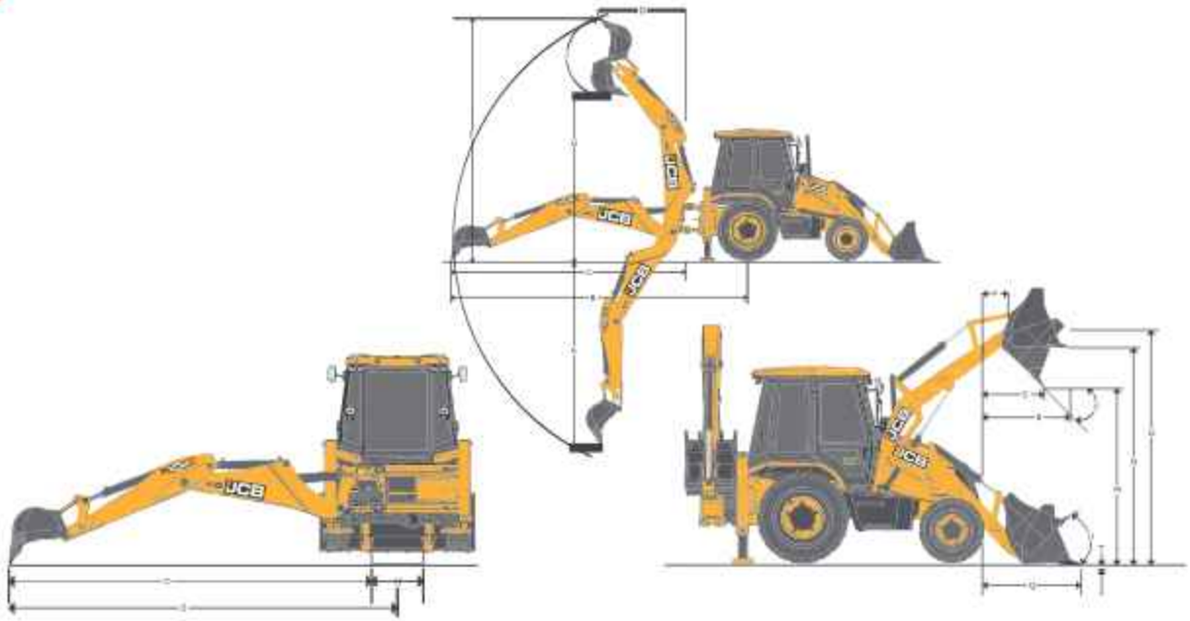
- Superb front end visibility
- Lockable bonnet with battery inside
- Gas strut assisted easy opening of bonnet from front
- One lever opening of bonnet for quick access to engine compartment
- All daily checks at one side and at approachable position to save time
- Protection from radiator choking due to smaller hole perforations in front grill

NEW

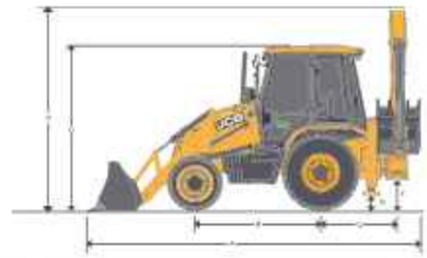
3DX SUPER | SPECIFICATION

Super Power. Super Utility. Super Value.

PERFORMANCE DIMENSIONS



STATIC DIMENSIONS



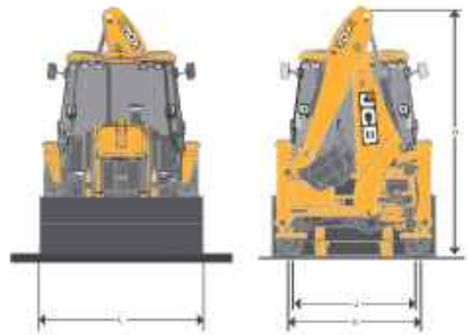
A	Overall length	m (ft-in)	6.10 (20-0)
B	Wheelbase	m (ft-in)	2.24 (7-4)
C	Slew centre to rear axle centre	m (ft-in)	1.32 (4-4)
D	Minimum ground clearance	m (ft-in)	0.36 (1-2)
E	Slew ground clearance	m (ft-in)	0.53 (1-9)
G	Height to top of cab	m (ft-in)	2.87 (9-5)
H	Overall height	m (ft-in)	3.90 (12-10)
J	Track width - Rear	m (ft-in)	1.73 (5-8)
K	Track width - Front	m (ft-in)	1.91 (6-3)
L	Width over bucket	m (ft-in)	2.23 (7-4)

EXCAVATOR PERFORMANCE

A	Max. dig depth	m (ft-in)	5.05 (16-7)
B	Reach-ground level to rear wheel centre	m (ft-in)	6.93 (22-9)
C	Reach-ground level to slew centre	m (ft-in)	5.61 (18-5)
D	Reach at full height to slew centre	m (ft-in)	2.65 (8-8)
E	Side reach to centre line of machine	m (ft-in)	6.14 (20-2)
F	Max. working height	m (ft-in)	6.01 (19-9)
G	Max. load over height	m (ft-in)	4.35 (14-3)
H	King post travel	m (ft-in)	1.06 (3-6)
J	Bucket rotation - power	deg	185
	Bucket tear out force	kgf	5,700
	Dipper tear out force	kgf	3,010
	Lift capacity to bucket pivot at full reach (no bucket fitted) (SAE J31) (Data with standard dipper)	kgs	1,490
	Standard bucket capacity	cum (cu.ft)	0.30 (10.60)
	Standard bucket width	m (ft-in)	0.82 (2-8)

LOADER PERFORMANCE

M	Dump height	m (ft-in)	2.91(9-7)
N	Load over height	m (ft-in)	3.37 (11-1)
O	Pin height	m (ft-in)	3.64 (11-11)
P	Pin forward reach	m (ft-in)	0.41 (1-4)
Q	Reach at ground	m (ft-in)	1.58 (5-2)
R	Max. reach at full height	m (ft-in)	1.22 (4-0)
S	Reach at full height - Bucket dumped	m (ft-in)	0.90 (2-11)
T	Below ground level dig depth	m (ft-in)	0.15 (0-6)
U	Rollback at ground	deg	43
V	Dump angle	deg	41
	Shovel break out force	kgf	6,600
	Loader arm break-out force	kgf	4,550
	Pay Load	kgf	1,650
	Lift capacity at full height	kgf	3,050
	shovel	cum (cu.ft)	1.2/42.4



eco XCELLENCE

3DX SUPER | SPECIFICATION

Super Power. Super Utility. Super Value.

ENGINE

JCB 444, Turbo Charged, 4 cylinder, Water Cooled, Diesel Engine

Displacement	:	4.4 litres
Gross power	:	68.6 KW (92 HP) @ 2200 RPM
Max torque	:	408 nm (41.6 kgm) @ 1200 RPM

TRANSMISSION

The JCB synchroshuttle transmission provides superb drive power in all conditions. It 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 times.
- The pedals layout and conventional 4-pattern gear lever with transmission disconnect switch adds to the overall ease of operation. On-the-move gear changes are possible.
- Torque converter stall ratio is 2.52 :1.
- Electrical selection of 4WD allows on-the-move changes.

AXLES

- **Rear** : Drive axle rigidly mounted, incorporates JCB Max-Trac torque proportioning differential, driven by short propshaft from gear box.
- **Front** : 4WD steer axle, centrally pivoted, with oscillation angle of 16°.

BRAKES

- **Service** : JCB 'Q' brakes, hydraulically actuated, dual line, self adjusting (compensated), oil immersed, multi-disc type on the rear axle, well protected from dirt, water etc. requiring no maintenance. Operated through independent pedals linked together for normal use.
- Two independently operatable foot pedals enable machine to maneuver in tight spaces.
- Option exists on the machine to automatically switch from 2WD to 4WD for effective transmission braking.
- **Parking** : Hand operated, disc brakes on rear axle input disc.

STEERING

Power track steering rod system provides equal turn steering & quick response with less operating force. Manual capability in the event of engine or hydraulic power failure.

Hydraulic supply from independent steering pump.

Working pressure 1750 p.s.i. (121 bar).

ELECTRICALS

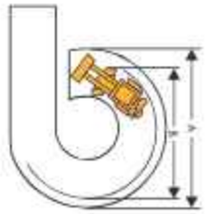
130 Ampere-hour 12 volts battery system with alternator and full road lighting.

TYRES

Front	:	12.5 x 18 - 12 PR
Rear	:	16.9 x 28 - 12 PR (Industrial)

TURNING CIRCLE

Inner wheels braked		
A* Outside loader bucket	m (ft-in)	10.4 (34-14)
B Outside wheels	m (ft-in)	7.21 (23-78)
Inner wheels braked		
A* Outside loader bucket	m (ft-in)	11.5 (37-87)
B Outside wheels	m (ft-in)	8.32 (27-35)



* Standard bucket in travel position

SPEED

Gear	Forward Km/hr	Reverse Km/hr
1st	7.26	7.26
2nd	11.72	11.72
3rd	22.01	Not recommended
4th	40.36	Not recommended

(Standard tyres, with zero torque converter slip@ 2200 rpm)

HYDRAULICS

3300 p.s.i. (228 Bar) system ; Pump flow : 118 lpm at 2200 rpm.

Filtration through suction strainer and return line 'JCB Filtromatic Filter'.

SHIPPING WEIGHT

8010 kgs

SERVICE

		System	Service
Hydraulic system	:	120	70
Fuel tank	:	128	-
Engine coolant	:	16.5	15
Engine oil	:	15	15
Transmission	:	17.5	17.5
Rear axle	:	20	20
Front Axle	:	11	11

CABIN

- Tinted cab glasses provide excellent all-round visibility & sun protection.
- Music system as standard fitment.
- **Option** of servo operated Excavator controls for hassle free operations.
- **Option** of air conditioning in cabin for rested operator in extreme weather conditions.
- Auto shut off for fuel saving.
- Floor mats and plenty of legroom minimises fatigue.
- A fully adjustable seat combined with ergonomically positioned controls and soft touch steering wheel.
- Cab provides easy 'walk through' two door access. Other features include seat belt, large convex rear view mirror, interior light, front screen wiper, front and rear horn, hazard warning system, tool box and helper seats.
- Instrumentation panel is positioned on the right hand side and includes engine speed, engine hours, fuel level, water temperature and mobile charger. Easily visible while both end operation.
- Audible and visual fault warning system for alternator charge, coolant temperature, engine oil pressure, blocked air filter, transmission oil pressure and temperature and hand-brake on.

OPTIONS

- 2WD
- General Purpose Shovel (1.1 cu.m), 6-in-1 (1.0 cu.m)
- Excavator Buckets

  Capacities - 0.06 mm, 0.09 mm, 0.12 mm, 0.18 mm, 0.26 mm
- Ditch Cleaning Bucket
- Taper Ditching Bucket
- Square Hole Bucket
- Rock Breaker
- Ripper Tooth
- JCB Telescopic Dipper

  Provides up to 1m of extra reach when compared with the standard dipper. Maximum dig depth, extended 5.77 m. Reach at ground from slew centre, extended 6.53 m. Maximum loadover height, extended 5.05m. Lift capacity at bucket pivot at maximum extended reach, no bucket fitted 825 kg. Auxillary valve block enable fitment of JCB Telescopic Dipper.
- Smooth Ride System (SRS)
- Heavy duty Rear Tyres 14x25
- Tipping Lever - Speed : 20 to Bucket Rotation
- Tipping Lever Hook
- **Hydraulic Tool Circuit (HTC)**

  Provision to hydraulically operate hand held tools viz. Road Breaker, Disc Cutter and Submersible Pump.

Dealer's Stamp:

* All dimensions, weights and timings are variable within 1.5%, JCB reserves the right to change specifications without prior notice.

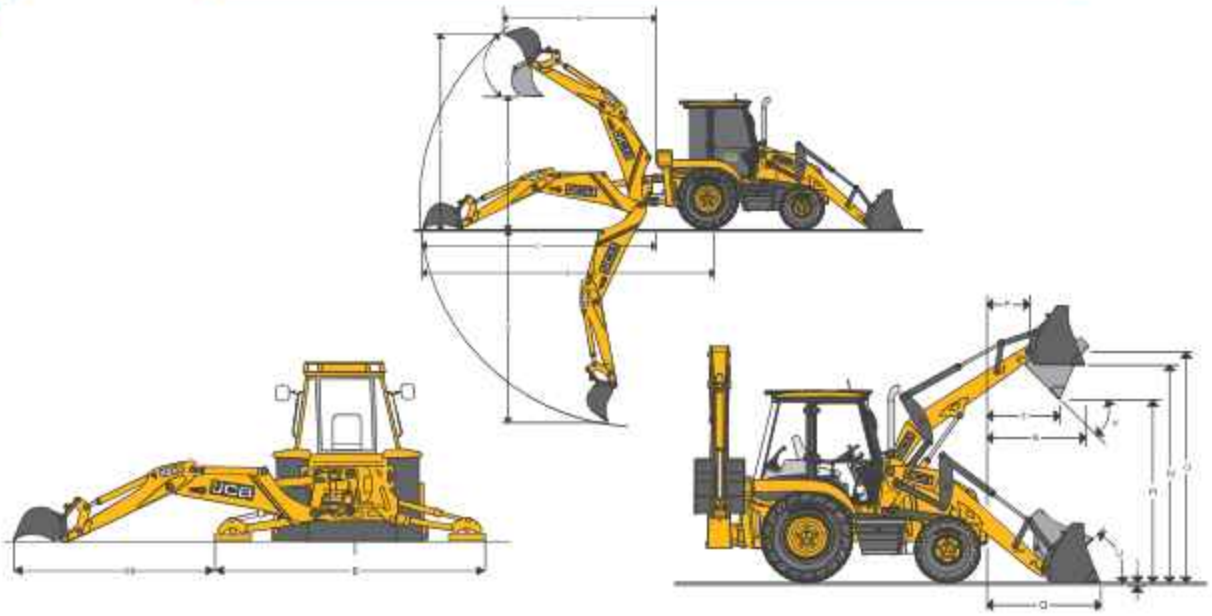
JCB INDIA LIMITED 23/7 Mathura Road, Ballabgarh - 121 004 India
Tel : + 91 129 4299000 Fax: + 91 129 2309050 Website: www.jcbindia.com E-mail : delhi.marketing@jcb.com

NEW

4DX | SPECIFICATION

Most Productive Backhoe Loader

PERFORMANCE DIMENSIONS



STATIC DIMENSIONS



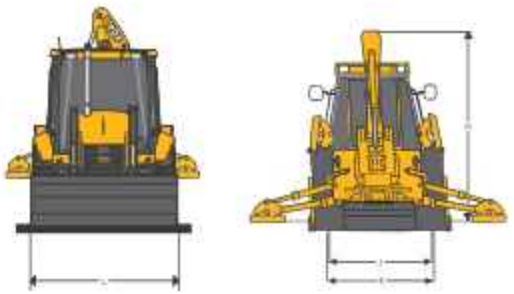
			Long/Short Dig Depth
A	Overall length	m (ft-in)	6.35 (20-1)
B	Wheelbase	m (ft-in)	2.34 (7-8)
C	Slew centre to rear axle centre	m (ft-in)	1.19 (3-11)
D	Minimum ground clearance	m (ft-in)	0.28 (0-11)
E	Slew ground clearance	m (ft-in)	0.33 (1-1)
G	Height to top of cab	m (ft-in)	2.87 (9-5)
H	Overall height	m (ft-in)	4.21(13.98) / 3.95(12.11)
J	Track width - Rear	m (ft-in)	1.73 (5-81)
K	Track width - Front	m (ft-in)	2 WD - 1.86 (6-12) 4 WD - 1.91 (6-32)
L	Width over bucket	m (ft-in)	2.44 (8-0)

EXCAVATOR PERFORMANCE

			Long Dig Depth	Short Dig Depth
A	Max. dig depth (SAE)	m (ft-in)	5.36 (17-7)	4.95 (16-23)
B	Reach - ground level to rear wheel centre	m (ft-in)	7.57 (24-10)	7.11 (23-4)
C	Reach-ground level to slew centre	m (ft-in)	6.38 (20-12)	5.92 (19-5)
D	Reach at full height to slew centre (SAE)	m (ft-in)	2.18 (7-2)	1.98 (6-6)
E	Stablizer Spread*	m (ft-in)	3.91 (12-10)	3.91 (12-10)
F	Max. working height	m (ft-in)	6.25 (20-6)	5.69 (18-8)
G	Max. load over height (SAE)*	m (ft-in)	3.96 (12-12)	3.66 (12-0)
H	Reach over the side from Stablizer	m (ft-in)	4.44 (14-68)	3.96 (12-12)
J	Bucket rotation - power	deg	185	185
	Bucket tear out force (SAE)	kgf	6,125	6,125
	Dipper tear out force (SAE)	kgf	3,963	3,963
	Lift capacity to bucket pivot at full reach (no bucket fitted) (SAE J31) (Data with standard dipper)	kgs	2,323	2,200
	Standard bucket capacity	cum (cu.ft)	0.32 (11-3)	0.40 (14-12)
	Standard bucket width	m (ft-in)	0.79 (2-7)	0.94 (3-1)

LOADER PERFORMANCE

			Long/Short Dig Depth
M	Dump height	m (ft-in)	2.93 (9-73)
N	Load over height	m (ft-in)	3.37 (11-1)
O	Pin height	m (ft-in)	3.64 (11-11)
Q	Reach at ground	m (ft-in)	1.60 (5-3)
R	Max. reach at full height	m (ft-in)	1.24 (4-1)
S	Reach at full height - Bucket dumped	m (ft-in)	0.93 (3-1)
T	Below ground level dig depth	m (ft-in)	0.13 (0-5)
U	Rollback at ground	deg	43
V	Dump angle	deg	41
	Shovel break out force	kgf	6,100
	Loader arm break-out force	kgf	5,000
	Lift capacity to full height	kgs	3,050
	Pay load	kgf	1,800
	Standard shovel	cum (cu.ft)	G.P. Shovel (1.2/42.37)



eco XCELLENCE

4DX | SPECIFICATION

Most Productive Backhoe Loader

ENGINE

JCB 444, Turbo Charged, 4 cylinder, Water Cooled, Diesel Engine

Displacement : 4.4 litres
Gross power : 68.6 KW (92 HP) @ 2200 RPM
Max torque : 408 nm (41.6 kgm) @ 1200 RPM

TRANSMISSION

- The JCB synchroshuttle transmission provides superb drive power in all conditions. It 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 times.
- The pedals layout and conventional 4-pattern gear lever with transmission disconnect switch adds to the overall ease of operation. On-the-move gear changes are possible.
- Torque converter stall ratio is 2.52 :1.
- Electrical selection of 4WD (if provided) allows on the move changes.

AXLES

- **Rear** : Drive axle rigidly mounted, incorporates JCB Max-Trac torque proportioning differential, driven by short propshaft from gear box.
- **Front** : Steer axle, centrally pivoted, with oscillation angle of 16°.

BRAKES

- **Service** : JCB 'Q' brakes, hydraulically actuated, dual line, self adjusting (compensated), oil immersed, multi-disc type on the rear axle, well protected from dirt, water, requiring no maintenance. Through independent pedals linked together for normal use.
- Two independently operatable foot pedals enable machine to maneuver in tight spaces.
- **Parking** : Hand operated, disc brakes on rear axle input disc.

STEERING

Power track steering rod system provides equal turn steering & quick response with less operating force. Manual capability in the event of engine or hydraulic power failure.

Hydraulic supply from independent steering pump. Working pressure 1750 p.s.i. (121 bar)

ELECTRICALS

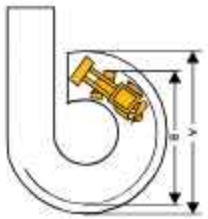
130 Ampere-hour 12 volts battery system with alternator and full road lighting.

TYRES

	2WD	4WD
Front :	9 x16 - 16PR	12.5 x 18 - 12PR
Rear :	16.9 x 28 - 12PR (Industrial)	16.9 x 28 - 12PR (Industrial)

TURNING CIRCLE

Inner wheels braked		2WD	4WD
A* Outside loader bucket	m (ft-in)	10.2 (33-55)	10.7 (35-12)
B Outside wheels	m (ft-in)	7.61 (24-11)	8.06 (26-53)
Inner wheels braked		**2WD**	**4WD**
A* Outside loader bucket	m (ft-in)	11.7 (38-46)	12.45 (40-10)
B Outside wheels	m (ft-in)	9.11(29-11)	9.80 (32-18)



* Standard bucket in travel position

SPEED

	2WD (Km/hr)		4WD (Km/hr)	
Gear	Forward	Reverse	Forward	Reverse
1st	6.1	6.1	7.26	7.26
2nd	9.8	9.8	11.72	11.72
3rd	21.0	Not Recommended	22.0	Not Recommended
4th	40.0	Not Recommended	40.36	Not Recommended

(Standard tyres, with zero torque converter slip @2200 rpm)

SHIPPING WEIGHT

Long dig depth	Short dig depth
8470 kgs	8400 kgs

SERVICE

		System	Service
Hydraulic system	:	130	80
Fuel tank	:	128	-
Engine coolant	:	16.5	15
Engine oil	:	15	15
Transmission	:	17.5	17.5
Rear axle	:	20	20
Front Axle	:	11	11

CABIN

- Tinted cab glasses provide excellent all-round visibility & sun protection.
- Music system as standard fitment.
- Servo operated Excavator controls for hassle free operations.
- **Option** of air conditioning in cabin for rested operator in extreme weather conditions.
- Auto shut off for fuel saving.
- Plenty of legroom minimises fatigue.
- A fully adjustable seat combined with ergonomically positioned controls and soft touch steering wheel.
- Cab provides easy 'walk through' two door access. Other features include seat belt, large convex rear view mirror, interior light, front screen wiper, front and rear horn, hazard warning system, tool box and helper seat.
- Instrumentation panel is positioned on the right hand side and includes engine speed, engine hours, fuel level, water temperature and mobile charger. Easily visible while both end operation.
- Audible and visual fault warning system for alternator charge, coolant temperature, engine oil pressure, blocked air filter, transmission oil pressure and temperature and hand-brake on.

HYDRAULICS

- Pump type : 2 section displacement gear.
- Pump capacity
  - Pump I : 81.4 lpm
  - Pump II : 72.6 lpm
  - Combined : 154 lpm
- Main relief valve : 3300 p.s.i. (228 bar)
- Unloader valve : 3000 p.s.i. (207 bar)
- Filtration through suction strainer and return line 'JCB Filtromatic Filter'.
- Careful routing of hydraulic hoses and pipework guards against site damage and allows easy servicing.

LIVELINK

Advanced Telematics System that 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

OPTIONS

- 4WD
- Heavy duty tyres : 14x25
- 6-in-1 clam shovel bucket to doze, dig, grade, backfill, grab and load (1.0 cum)
- Excavator Buckets (LDD) - 0.26 / 0.30 (cu.m)
- Excavator Buckets (SDD) - 0.26 / 0.30 / 0.32 (cu.m)
- Ditch Cleaning Bucket - 0.22 cum & 0.32 cu.m
- Taper Ditching Bucket
- Ripper Tooth
- Rock Breaker
- Smooth Ride System (SRS)
- **Hydraulic Tool Circuit (HTC)**

  Provision to hydraulically operate hand held tools viz. Road Breaker, Disc Cutter and Submersible Pump.

Dealer's Stamp:

* All dimensions, weights and timings are variable within 1.5%, JCB reserves the right to change specifications without prior notice.

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Specifications	3DX super 4X4	4DX 4X4
Engine	JCB 444, 92HP, TC	JCB 444, 92HP, TC
Transmission & axles	JCB, 4WD / 2WD	JCB, 2WD / 4WD
Hydraulic pump flow (lpm) @2200 rpm	118	154
Hydraulic Pressure (p.s.i.)	3,300	3,300
Brakes	JCB 'Q' brakes hydraulically actuated, oil immersed, disc type, compensated	
Steering	Equal turn, power steering, hydraulic supply from independent steering pump.	
Electrical	130 amph, 12 volts battery with 90 amp alternator	
Tyres	Front: 9X16-16PR (2WD) & 12.5X18-12PR (4WD) Rear: 16.9X28-12PR (Industrial) & optional heavy duty tyre	
Shipping weight (kg)	8,010	8,470
Wheel base (m)	2.24	2.34
Shovel size (cu.m)	1.0 (6-in-1) / 1.1 (GP)	1.2
Bucket size (cu.m)	0.30	0.32 / 0.40
Dump height (m)	2.91	2.93
Load over height (m)	3.37	3.37
Dig depth (m)	5.05	5.36 / 4.95
Max working height (m)	6.01	6.25 / 5.69
Shovel breakout force (kgf)	6,600	6,100
Bucket tearout force (kgf)	5,700	6,125

India's best & largest dealer network



650+ OUTLETS and growing

WE CARE

THAT IS WHY WE ARE EVERYWHERE

Dealer's stamp:



infinity / May:2016

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