



# SUPERIOR PERFORMANCE IN BRICK KILN OPERATIONS



TRACKED EXCAVATOR

Engine power: 76hp | Engine Make: Kirloskar | Bucket capacity: 0.24 - 0.32 cu.m | Operating weight: 8050 kg



More  
fuel efficiency



Excellent digging  
ability & improved  
lifting capacity



Durable  
heavy-duty  
reinforced  
structures



Extended  
service interval  
Engine oil: 500 hrs ,  
Hydraulic oil: 5000 hrs



With  
AC option



LiveLink  
Stay connected 24x7

**1 YEAR**  
STANDARD  
WARRANTY\*  
—OR—  
**2000**  
HOURS



\*T & C Apply.

## SPECIFICATION: JCB 8I TRACKED EXCAVATOR

### ENGINE

Model	Kirloskar 4R 1040 NA
Type	Water-cooled, 4-stroke, 4-cylinder
Gross power	76 hp at 2200 rpm (SAEJ 1995)
Starting system	12 V
Battery	85 AH

### CONTROL SYSTEM

Excavator	All servo lever operated, to ISO control pattern.
Engine speed	Hand operated control lever. Mode change is done through toggle switch.

### HYDRAULIC SYSTEM

Open centered, negative control hydraulic system with twin variable flow piston pumps providing flow-on-demand.

#### Pumps

Main pumps	Variable displacement axial piston type
Maximum flow	2 x 70.3 lpm (main)
Servo pump	Gear type maximum flow
Dozer	Gear type, maximum flow 21.5 lpm

#### Relief valve settings

Boom/Arm/Bucket	284 bar
Swing circuit	225 bar
Travel circuit	284 bar

### SWING SYSTEM

Swing speed	12.5 RPM
Swing motor	Axial piston type.
Swing brake	Hydraulic braking assisted by spring applied disc- type parking brake.
Final drive	Planetary reduction.
Swing gear	Large diameter, internally toothed fully sealed grease bath lubricated.
Swing lock	Multi-position hydraulic.

### TRACK DRIVE

Japanese hydraulic components

Type	Fully hydrostatic 2 speed
Travel motors	Axial piston type, fully-guarded within undercarriage frame
Final drive	Planetary reduction, bolt-on sprockets
Service brake	Hydraulic counter-balance valve to prevent over-speeding on gradients
Park brake	Disc type, spring applied, automatic hydraulically released
Gradeability	70% (35 deg) continuous.
Travel speed	High - 5.1 km/h, Low - 3.1 km/h
Tractive effort	55.1 kN (5600 kgf)

### UNDERCARRIAGE

Track shoe options	450 mm/600 mm
Track type	Sealed and greased
Rollers and shoes (each side)	
Upper rollers	1
Lower rollers	5
Track shoes	39

### SERVICE CAPACITIES

Fuel tank	L	164
Engine coolant	L	23
Engine oil	L	14
Track reduction gear (each side)	L	1.7
Hydraulic system	L	92
Hydraulic tank	L	55

All available variants: JCB 150, JCB 130, JCB NXT 140, JCB NXT 145QM, JCB 385LC, JCB NXT 215LC, JCB 225LC and JCB 345LC HD.

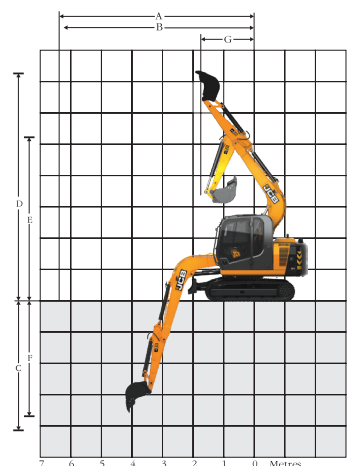


### STATIC DIMENSIONS

Track shoe width		450 mm	600 mm
A Track length on ground	m	2.24	
B Undercarriage overall length	m	2.84	
H Track gauge	m	2.84	1.7
I Width over tracks	m	1.7	2.30
K Transport with monoboom and 2.4 m dipper*	m	6.23	
L Transport height with monoboom and 2.4 m dipper*	m	2.77	
C Counterweight clearance	mm	775	
D Tail swing radius	m	1.84	
E Width of superstructure*	m	2.22	
F Height over cab	m	2.72	
N Dozer blade width (back fill)	m	2.3	
G Ground clearance	mm	365	
M Track height	mm	660	

\*With cab hand rail removed

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



### WORKING RANGE

Boom		3.7m
Dipper		1.74m Standard
A Maximum digging reach	m	6.45
B Maximum digging reach (on ground)	m	6.32
C Maximum digging depth	m	4.01
D Maximum digging height	m	7.1
E Maximum dumping height	m	5.4
F Maximum vertical wall cut depth	m	3.68
G Minimum swing radius	m	1.84
Dipper tear out	kgf	4134
Bucket tear out all machines	kgf	5755
Bucket rotation	deg	184°

\*Results shown are based on internal trials done in standard test conditions, they may vary on the basis of operator efficiency and type of applications. T&C Apply.

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