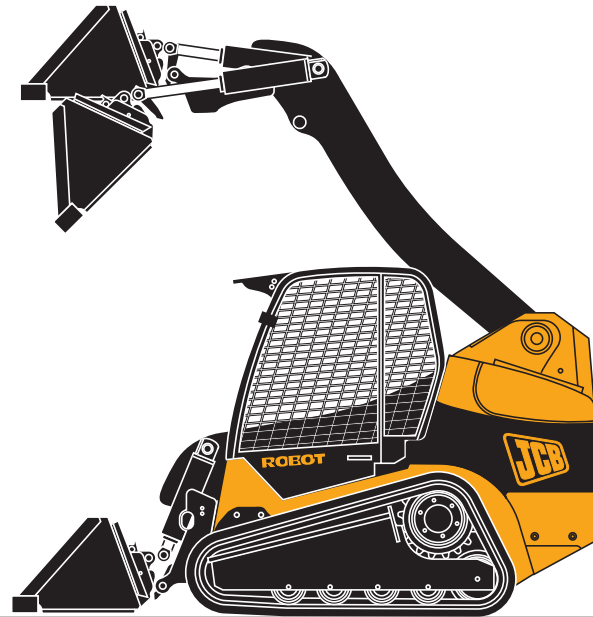
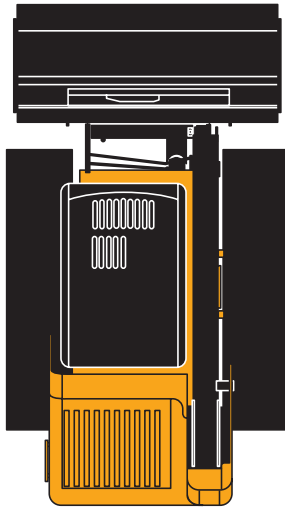




## JCB TRACKED ROBOT LOADERS | I90T/III10T



### FAST FACTS

- SINGLE LOADER ARM**  
 Provides safe and convenient access via a side door and assured reliability.
- NEW LOW-SLUNG LOADER ARM DESIGN**  
 Unmatched visibility, even to the rear and right-hand side of the machine, for easier operation and greater on-site safety.
- COMPACT DIMENSIONS**  
 For more productive operation in confined sites.
- EXCELLENT MANEUVERABILITY**  
 Ability to change direction within the length of the machine enables rapid, accurate placement.
- STANDARD FLOW & HIGH FLOW AUXILIARY CIRCUIT OPTIONS**  
 Allow the operation of an extensive range of attachments.
- MAJOR CONTROL OPTIONS**  
 Choice of controls to suit the operator's preference.
- UNMATCHED SERVICEABILITY**  
 Easy, safe access from either the rear or side.
- STATE-OF-THE-ART, PLUG-IN WIRING HARNESS FITTED AS STANDARD**  
 Allows the fitting of electrical options for varying applications at a later date.

JCB TRACKED ROBOT LOADERS | I90T/III10T

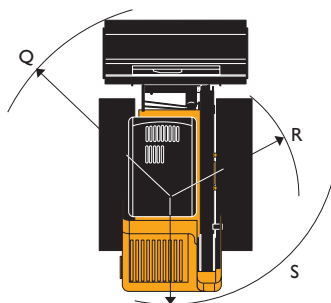
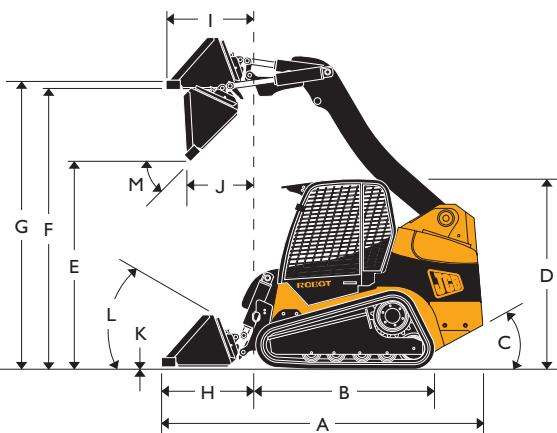
Hard Working  
by Design



## JCB TRACKED ROBOT LOADERS | I90T/III0T



### STATIC DIMENSIONS



### STATIC DIMENSIONS

	I90T	III0T
	ft-in (mm)	ft-in (mm)
A Overall length	11-6 (3500)	11-6 (3500)
B Track ground contact	4-11.8 (1519)	4-11.8 (1519)
C Departure angles	degrees 28°	degrees 28°
D Overall height	6-8 (2029)	6-8 (2029)
E Dump height	8-0 (2439)	8-0 (2439)
F Loadover height	9-9 (2969)	9-9 (2969)
G Pin height	10-3 (3130)	10-3 (3130)
H Reach at ground (toe plate horizontal)	3-4 (1027)	3-4 (1027)
I Max reach at full height	3-2 (965)	3-2 (965)
J Reach at full height – fully dumped	2-2 (655)	2-2 (655)
K Dig depth (toe plate horizontal) clearance	0-1 (23)	0-1 (23)
L Rollback at ground	degrees 30°	degrees 30°
M Dump angle	degrees 40°	degrees 40°
Bucket width – standard	6-6 (1981)	7-0 (2134)
Bucket width – optional	6-0 (1829)	6-6 (1981)
Width over tracks – standard	6-0 (1829)	6-6 (1981)
Width over tracks – optional	6-6 (1981)	–
Ground clearance	0-11 (279)	0-11 (279)
Loader breakout – shovel	SAE 4388 lbs	4388 lbs
Maximum tipping load	SAE 5821lb (2640kg)	6439lb (2920kg)
Bucket capacity – standard	cu.yd (cu.m) 0.65 (0.5)	0.78 (0.6)
Pallet fork rated capacity (50% safety factor @ 15.75" load center)	EN 2527lbs (1146kg)	2730lbs (1238kg)
Pallet fork rated capacity (50% safety factor @ 15.75" load center with optional counterweight)EN	2616lbs (1186kg)	2879lbs (1306kg)
Pallet fork lift height	10-0 (3039)	10-0 (3039)
<b>Turning Radius</b>		
Q Bucket corner radius	7-3 (2199)	7-3 (2199)
R Quick hitch radius	4-5 (1353)	4-5 (1353)
S Rear chassis radius	5-6 (1664)	5-6 (1664)

JCB TRACKED ROBOT LOADERS | I90T/III0T

Hard Working  
by Design



## JCB TRACKED ROBOT LOADERS | I90T/III0T



JCB TRACKED ROBOT LOADERS | I90T/III0T

### MACHINE RATING

Rated operating capacity (SAE):	lbs (kg)
I90T (35%)	1985 (900)
I90T (50%)	2910 (1320)
III0T (35%)	2250 (1020)
III0T (50%)	3220 (1460)
<b>Tipping load:</b>	
I90T	5821 (2640)
III0T	6439 (2920)

### ENGINE

4 cylinder: 4 stroke, diesel engine. Direct injection. I90T is naturally aspirated – 4 liters, III0T is turbo displacement – 3.9 liter. Water cooled.

		I90T	III0T
<b>Gross power @ 2200rpm</b>			
SAE J1995	hp (kW)	80 (60)	92 (69)
<b>NET power @ 2200rpm</b>			
SAE J1349 EEC 80/1269	hp (kW)	70 (52.5)	82 (61.5)
<b>Gross torque @ 1200rpm</b>			
SAE J1995	lb/ft (Nm)	212 (288)	272 (370)
<b>NET torque @ 1200rpm</b>			
SAE J1349 EEC 80/1269	lb/ft (Nm)	209 (283.5)	268 (365.5)

Exhaust smoke R24.03. Exhaust emissions 91/542/CEE – 'EURO I'. Engine oil service intervals: 500 hours.

### TRANSMISSION

Manual or optional full servo controlled hydrostatic transmission giving zero to maximum speed, both forward and reverse, at full power.

Independent transmission systems for both the left and right side, controlled through either manual or servo hand controls for precise and easy operation.

**Travel speeds both forward and reverse:**

I90T	6.25 mph
III0T	6.25 mph

### CAPACITIES

I90T and III0T	gal (liters)
Hydraulic system (inc. Tank)	9.2 (35)
Fuel tank	28.2 (107)
Engine coolant	3.9 (15)
Engine oil	2.8 (10.75)

### CONTROLS

Three machine control format options. Either manual hand only or manual hand and foot controls provide patterns well known and accepted by the skid steer buyer and operator. Alternatively, full servo control joysticks reduce lever efforts to a minimum. With all options the left hand control lever pivots backwards as the operator restraint is raised providing unparalleled machine entry/exit.

### WEIGHT

**SAE operating weight.**

Fully operational with quickhitch, standard bucket, full fuel tank, fully glazed cab + 175 lb. operator:

I90T	9702 lbs. (4400kg)
III0T	10198 lbs. (4625kg)

Hard Working  
by Design



## JCB TRACKED ROBOT LOADERS | I90T/III0T



JCB TRACKED ROBOT LOADERS | I90T/III0T

### TRACKS

**Rubber tracks:** 12.6" wide (320mm)  
17.7" wide (450mm)

12.6" wide tracks are only available on the I90T.

Tracks provide the following flotation:

	12.6"	17.7"
<b>I90T</b>	4.8psi	4.5 psi
<b>III0T</b>	N/A	4.8psi

### HYDRAULICS

In addition to the main hydrostatic drive pumps, there is a dedicated loader and attachments supply pump (auxiliary hydraulics circuit optional on I90 and III0 models, standard on high flow machines).

**Pump flow:** 20gal/minute  
(76 liters/min) at 2200rpm engine speed.  
Main relief pressure 2682 psi. (185 bar)

- Low lever efforts give excellent and easy control of transmission loader and attachments.
- With manual hand and servo control formats the auxiliary hydraulics are foot pedal operated. With manual hand and foot controls the auxiliary hydraulic circuit is actuated via the right hand control lever. Both formats give progressive control of oil flow for precise attachment control.
- Hydraulic supply pipes run neatly on top of the loader arm under a protective guard for long life.
- Full flow, spin-on type hydraulic oil filter.
- Engine oil throughout for ease of servicing. No special hydraulic fluid required – uses standard oil.
- The optional hi-flow circuit provides 32 gal/min (120 liters/min) pump flow to the front of the machine for operation of high capacity attachments such as cold planers and trenchers.

### LIGHTING AND ELECTRICS

12 volt, negative ground system.

95 Ah low maintenance battery.

72 amp alternator.

Roof console mounting of ignition, control switches, fuel gauge and hourmeter.

Also incorporated into the roof console the warning light cluster, with audible alert to draw operator's attention to any malfunction, which includes:

- No charge pressure
- Blocked airfilter
- Engine water temperature
- Engine oil pressure
- Hydraulic oil pressure
- Alternator

Cab mounted fuse and relay box designed to keep dirt and water out.

### OPERATOR ENVIRONMENT

Full ROPS and Level 1 FOPS with optional Level 2 guard for demolition. Soundproofing gives noise levels complying with EC regulations. Safe access through side door – thanks to JCB's unique single arm design.

- Unequalled all-around visibility.
- Fully adjustable seat.
- Seat belt fitted as standard.
- Drainage cover for easy cleaning of cab.

All in a bigger, more comfortable cab with a superior control layout.

Hard Working  
by Design



## JCB TRACKED ROBOT LOADERS | I90T/1110T



### PRODUCTIVITY AND PERFORMANCE

- The rubber-tracked versions provide excellent stability, traction and low ground bearing pressure, enabling JCB's Robots to be used in a wider range of applications. In addition to this improved versatility, the new tracked robots can work longer into the winter with rubber tracks which allow continued operation in adverse working conditions brought about by poor seasonal weather.
- Industry approved quickhitch as standard, allowing easy utilization of an extensive attachments range for exceptional versatility.
- Auxiliary hydraulic options (standard flow or high flow) expand the attachment options still further.
- Compact and maneuverable design, with direction changes achievable within machine length for quicker, easier working in confined spaces.

### RELIABILITY AND DURABILITY

- All components are high quality and are fully tested, running 24 hours a day, to simulate the toughest lifetime the machine could face.
- Each machine features top specification IP67 electrics with a plug-in wiring harness fitted as standard.

### OPERATOR ENVIRONMENT

- Control patterns can be specified to individual preference for greater comfort and productivity.
- Optional suspension seat.
- Full cab options, including heater.
- Foot throttle option for improved fuel economy and greater control. (Hand control machines only).
- Spacious, uncluttered operator environment with a side-door for easy and safe access.

### SERVICEABILITY

- Routine maintenance points are positioned at ground level for easy access from either the rear or side of the machine.
- Full service access is attainable without the need to tilt the operator enclosure or raise the arm.
- Only one oil is needed for the maintenance of the engine, transmission and hydraulics.
- The transmission is positioned under the quick-release operator seat.
- Easily accessible, low-maintenance battery.
- Easy-fill tanks with cleaning access.
- Sight gauges allow quick level checks.
- All filters are grouped for easy maintenance.
- Fuses and relays are easily accessible and are all situated in one place within the cab.
- The unique single-arm design results in fewer grease points for quicker, easier maintenance.

### SAFETY

- ROPS/FOPS enclosure with seat belt as standard for real on-site protection.
- The new, low-slung design of the single arm presents greater visibility while still allowing safe and convenient access via a side door.
- Machine park-brake cannot be disengaged until the operator safety restraint is in place.
- Optional self-leveling available for use with pallet forks.

### STANDARD EQUIPMENT

ROPS and FOPS integrated canopy. Full audible and visual warning systems. Restraint activated safety system. Loader arm safety strut. Centrifugal dry type engine air filter with safety element. Mechanical quickhitch. Hand throttle. Worklights. Fuel gauge. In-line diesel filter. Right hand fender (1110 only). Oil immersed fail safe hydraulic park brake spring applied hydraulically released.

### OPTIONAL EQUIPMENT

Fully glazed cab with heater/defroster. Suspension seat. Road lights. Work lights. Reverse alarm. Beacon. Foot throttle (not with foot control format). Fire extinguisher. Toolkit. Roof screen (standard on cab) Self-leveling lift. Float Level 2 FOPS guard. Heavy duty rear door guard. Front screen guard. High flow auxiliary hydraulics. Bolt on lift points. Battery isolator. Accessory socket. Right hand fender (190 only) Backhoe mounting brackets. Catalytic converter. Bolt on lifting points. Dealer installed air conditioning kit. Factory or dealer installed sound suppression kits for enclosed cab units.

JCB TRACKED ROBOT LOADERS | I90T/1110T

Hard Working  
by Design



## JCB TRACKED ROBOT LOADERS | I90T/III0T



### THE BEST BACK-UP IN THE BUSINESS

Buy any JCB model and you'll get a complete deal that extends beyond that of any rival.

#### FINANCE

Your JCB Dealer can meet your financial needs through a variety of plans for leasing, lease purchases with or without options, installment sales contracts and rental programs.

#### WARRANTY

JCB machines are covered by JCB's one year standard warranty, which is outlined in the JCB 'Certificate of Warranty'. Extended warranty coverage is also available. Contact your JCB Dealer for details.

#### PARTS

JCB Dealers' convenient locations offer excellent 'over the counter' parts availability.

#### REGIONAL PARTS DEPOTS

For the breakdown part your dealer may not have in stock, JCB has SDD 'Same Day Dispatch,' from two parts distribution centers in the United States and one in Canada.

#### SERVICE

JCB Dealer service people are committed to keeping your JCB up and running. JCB Dealer mechanics are enrolled in on-going training programs and supported by experienced JCB Service Representatives based throughout North America.



JCB Inc, PO Box 18306, Savannah, GA 31418. Tel: (912) 447-2000. Fax: (912) 447-2299. [www.jcb.com](http://www.jcb.com)

JCB reserves the right to change design, materials and/or specifications without notice. Specifications are applicable to units sold in the United States and Canada. The JCB logo is a registered trademark of J C Bamford Excavators Ltd.

USA ????????

JCB TRACKED ROBOT LOADERS | I90T/III0T

Hard Working  
by Design