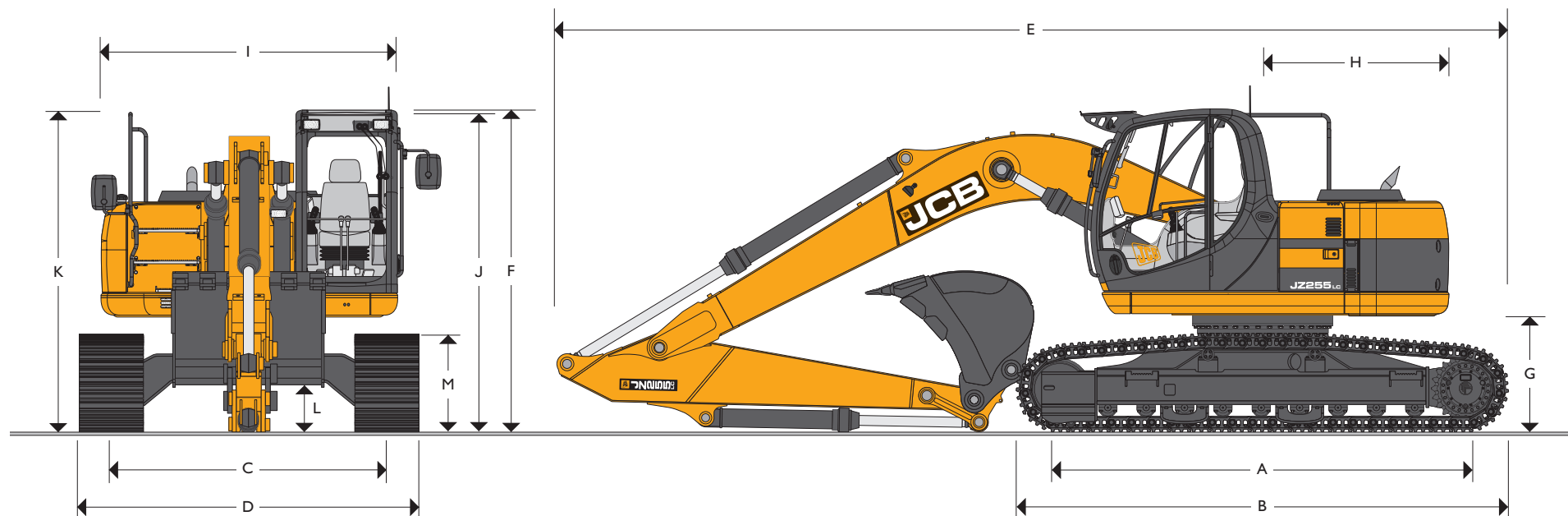




MAX. OPERATING WEIGHT: 24420 kg (53724 lb) ENGINE POWER: 128 kW (172 hp)



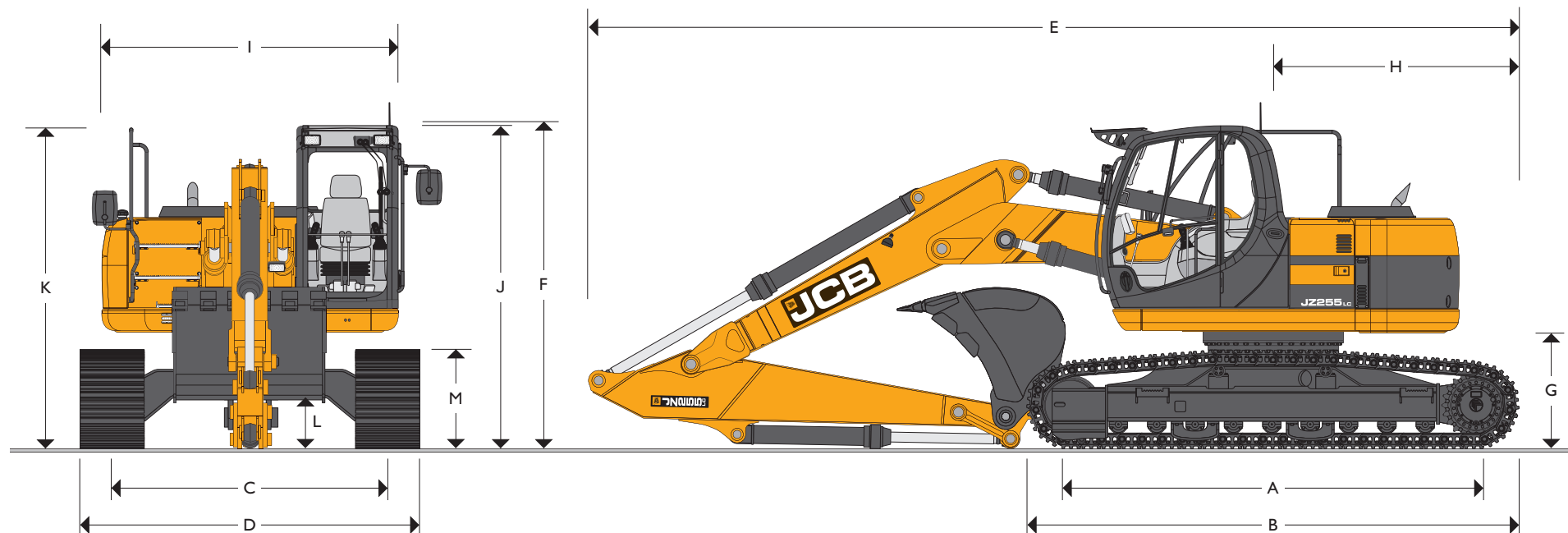
STATIC DIMENSIONS – JZ255 NC/LC MONOBOOM

Dimensions in millimetres (ft-in)	NC	LC
A Track length on ground	3840 (12-7)	3840 (12-7)
B Undercarriage overall length	4640 (15-3)	4640 (15-3)
C Track gauge	2390 (7-10)	2590 (8-6)
D Width over tracks (600 shoes)	2990 (9-10)	3190 (10-6)
D Width over tracks (700 shoes)	3090 (10-2)	3290 (10-9)
D Width over tracks (800 shoes)	3190 (10-6)	3390 (11-1)
D Width over tracks (900 shoes)	3290 (10-9)	3490 (11-5)

Dipper lengths	1.91 m (6ft 3in)	2.4 m (7ft 10in)	3.0 m (9ft 10in)
Dimensions in mm (ft-in)			
E Transport length with Monoboomb	9080 (29-9)	9070 (29-9)	8950 (29-4)
F Transport height with Monoboomb	3060 (10-0)	3060 (10-0)	3060 (10-0)
Dimensions in millimetres (ft-in)			
G Counterweight clearance		1140 (3-9)	
H Tailswing radius		1680 (5-6)	
I Width of superstructure		2787 (9-2)	
J Height over cab		3060 (10-0)	
K Height over grabrail		3030 (9-11)	
L Ground clearance		486 (1-7)	
M Track height		940 (3-1)	



MAX. OPERATING WEIGHT: 24890 kg (54758 lb) NETT ENGINE POWER: 128 kW (171.7 hp)



STATIC DIMENSIONS – JZ255 NC/LC T.A.B.

Dimensions in millimetres (ft-in)	NC	LC
A Track length on ground	3840 (12-7)	3840 (12-7)
B Undercarriage overall length	4640 (15-3)	4640 (15-3)
C Track gauge	2390 (7-10)	2590 (8-6)
D Width over tracks (600 shoes)	2990 (9-10)	3190 (10-6)
D Width over tracks (700 shoes)	3090 (10-2)	3290 (10-9)
D Width over tracks (800 shoes)	3190 (10-6)	3390 (11-1)
D Width over tracks (900 shoes)	3290 (10-9)	3490 (11-5)

Dipper lengths	1.91 m (6ft 3in)	2.4m (7ft 10in)	3.0m (9ft 10in)
Dimensions in mm (ft-in)			
E Transport length	9090 (29-9)	9080 (29-9)	8970 (29-5)
F Transport height	3060 (10-0)	3060 (10-0)	3060 (10-0)

Dimensions in millimetres (ft-in)	
G Counterweight clearance	1080 (3-7)
H Tailswing radius	1680 (5-6)
I Width of superstructure	2787 (9-2)
J Height over cab	3060 (10-0)
K Height over grabrail	3030 (9-11)
L Ground clearance	486 (1-7)
M Track height	940 (3-1)



ENGINE

Model	Isuzu 4HK1 European Tier 3 emissions compliant.
Type	Water cooled, 4-stroke, 4-cylinder in-line, common rail turbocharged diesel.
Nett power (ISO 3046-1NF)	128kW (172hp) at 2000rpm.
Piston Displacement	5.193 litres (317 cu.in.).
Injection	Electronic governor.
Air Filtration	Dry element with secondary safety element and in cab warning indicator.
Cooling	Water cooler via large capacity radiator.
Starting system	24 volt – 4.5kW.
Batteries	2 x 12 volt Heavy Duty.
Alternator	24 volt 40 amp.
Refuelling pump	Electric type.

SWING SYSTEM

Swing motor	Axial piston.
Swing brake	Hydraulic braking plus automatic spring applied disc type parking brake.
Final drive	Planetary reduction.
Swing speed	9.8rpm.
Swing gear	Large diameter; internally toothed fully sealed grease bath lubricated.
Swing lock	Switchable brake in cab.

UNDERCARRIAGE

Carriage options	LC-Long Carriage.
Construction	Fully welded, "X" frame type with central bellyguarding and track motor guards. Sloping sidemembers with dirt relief holes under top rollers.
Recovery point	Front and rear.
Track type	Sealed and greased.
Track shoe options	NC – 600mm (24in), 700mm (28in), 800mm (31.5in), 900mm (36in). LC – 600mm (24in), 700mm (28in), 800mm (31.5in), 900mm (36in).
Upper & lower rollers	Heat treated, sealed and lubricated.
Track adjustment	Grease cylinder type.
Track idler	Sealed and lubricated, with spring cushioned recoil.
No. of track guides	NC & LC 2 per side
No. of lower rollers	9 per side
No. of upper rollers	2 per side
No. of track shoes	51 per side

HYDRAULICS

A variable flow load sensing system with flow on demand, variable power output and servo operated, multi-function open centre control. Machine auto warm up standard – maximises performance in cold conditions.

Pumps

Main pumps	2 variable displacement axial piston type.
Maximum flow	2 x 208 L/min (2 x 46 UK GPM).
Servo pump	Gear type.
Maximum flow	20 L/min (4.4 UK GPM).
Fan drive	Gear type.

Control valve

A combined four and five spool control valve with auxiliary service spool as standard. When required twin pump flow is combined to boom and dipper services for greater speed and efficiency.

Relief valve settings

Boom/Arm/Bucket	343 bar (4975 lbf/sq.in)
Automatic power boost	373 bar (5410 lbf/sq.in)
Swing circuit	225 bar (3263 lbf/sq.in)
Travel circuit	343 bar (4975 lbf/sq.in)
Pilot control	40 bar (580 lbf/sq.in)

A separate Cushion Control valve in the servo system provides cushioning of the boom and dipper spools selection and quick warm-up of the servo system.

Hydraulic cylinders

Double acting type, with bolt-up end caps and hardened steel bearing bushes. End cushioning is fitted as standard on boom, dipper and bucket rams.

Optional hose burst check valves available for boom and dipper rams.

Filtration

The hydraulic components are protected by the highest standard of filtration to ensure long hydraulic fluid and component life.

In tank	150 micron, suction strainer.
Main return line	10 micron, fibreform element.
Plexus Bypass line	1.5 micron, paper element.
Pilot line	10 micron, paper element.
Hydraulic hammer return	10 micron, reinforced microform element.

Cooling

Cooling is provided via a full return line air blast cooler as part of a single face cooling pack in conjunction with the engine water cooler and intercooler.

TRACK DRIVE

Type	Full hydrostatic, three speed with autoshift between high and medium speed.
Travel motors	Variable swash axial piston type, fully guarded within undercarriage frame.
Final drive	Planetary reduction, bolt-on sprockets.
Service brake	Hydraulic counter balance valve to prevent overspeeding on gradients.
Park brake	Disc type, spring applied, automatic hydraulic release.
Gradeability	70% (35 deg) continuous.
Travel speed	High – 5.6 km/h (3.4 mph). Mid – 3.3 km/h (2.1 mph). Low – 2.3 km/h (1.4 mph).
Tractive effort	197.1kN (20099 kgf, 44311 lbf).



EXCAVATOR END – MONOBOOM

Monoboom available along with a choice of dipper lengths to suit the requirements of reach, dig-depth, loadover height, tearouts and site versatility. Reserve strength is built into the fully welded structures for hydraulic hammer and other arduous operations. Fabricated bucket tipping links are provided with a choice of lift points. Strong, durable construction, large cross sections and multi plate fabrications to withstand high stress applications. The 5.7m (18ft 8in) boom is designed to ensure the optimum digging envelope when matched with the three dipper lengths. Low maintenance bronze alloy bushes with graphite plugs are fitted to boom base and boom to dipper pivots resulting in 1000 hour greasing intervals at these points.

EXCAVATOR END – T.A.B.

Triple articulated boom available along with a choice of dipper lengths to suit the requirements of reach, dig-depth, loadover height, tearouts and site versatility. Reserve strength is built into the fully welded structures for hydraulic hammer and other arduous operations. Fabricated bucket tipping links are provided with a choice of lift points. Strong, durable construction, large cross sections and multi plate fabrications to withstand high stress applications. The boom is designed to ensure the optimum digging envelope when matched with the three dipper lengths.

CAB

Excellent digging, loading and positioning visibility results from the careful design of front, side and roof lights. All screens are tinted to improve in cab conditions. Fully opening front screen is very smooth to operate and as the lower screen is stored within the top screen frame it makes complete front screen opening easy, fast and convenient. Fresh air ventilation available from opening door window, opening slot in front screen and fully opening front screen. Parallelogram wash wiper for upper screen ensuring good wiped area for maximum visibility. Wiper motor is fitted in the left hand side of the roof screen so as not to affect bucket visibility when loading. Optional lower screen wiper available. Fresh air ventilation and heater with windscreen demister. Infinitely variable blower speed, temperature and recirculation control. Optional climate control. Fully adjustable deluxe suspension seat with arm rest adjustment and backrest recline. Radio with digital tuner fitted into the roof lining for maximum protection. Conveniently placed radio mute button incorporated into lower console. 12v power point and mobile phone holder built into the right hand console. Courtesy light can be operated from ground level and is illuminated for five minutes or until switched off improving operator access at night. Cab mounted roller blind protects operator from suns' glare through front or top screens.

AMS – ADVANCED MANAGEMENT SYSTEM

Four selectable working modes link the operators control movements with the engine and hydraulic systems to maximise productivity and efficiency.

A (Auto)

Up to 100% engine power and 100% flow. Gives variable power and speed depending on the operator's input, matching the demand for output and efficiency to the job. Power boost is automatically activated in this mode should hard conditions be encountered. Auto idle cuts in after a period of inactivity (between 5 and 30 seconds as set by the operator)

E (Economy)

80% engine power. 95% of hydraulic flow maximises economy while maintaining excellent output.

P (Precision)

55% engine power. 90% of hydraulic flow for fine control of grading operations.

L (Lifting)

55% engine power. 63% of hydraulic flow with permanent power boost for maximum lifting power and control.

The Auto mode allows the AMS processor to select the optimum operational performance to match the demands of the job while the three alternative modes give precise matching of application when specific tasks are undertaken.

The adjustable position monitor mounted on the front right hand pillar of the cab gives the operator a constant read out of mode, tracking range, operating temperature and a host of other information, while retaining excellent visibility of the monitor and the job being carried out.

The required flow for hammer applications can be set and stored in the AMS memory and is automatically activated whenever the hammer pedal is depressed.

A maintenance indicator warns of imminent service needs, and all servicing and basic checks can be carried out using only the in cab display.

CONTROLS

Excavator

Tracks

All servo lever operated to ISO control pattern, independently adjustable to the seat. Individually servo operated by foot pedal or hand lever.

Auxiliary

Control isolation

Engine speed

Speed selection via joystick button.

Via servo operated foot pedal.

Via gate lock lever at cab entrance or panel switch.

Dial type throttle control plus servo lever mounted one-touch idle control or separate selectable auto-idle with adjustable time delay using AMS.

Engine stop

Ignition key operated and separate shut-down button.

Horn

Operated via servo lever mounted button.



SERVICE CAPACITIES

Fuel tank	litres (UK gal)	290 (63.8)
Engine coolant	litres (UK gal)	31.8 (7.0)
Engine oil	litres (UK gal)	25.0 (5.5)
Swing reduction gear	litres (UK gal)	12.0 (2.6)
Track reduction gear (each side)	litres (UK gal)	4.7 (1.0)
Hydraulic system	litres (UK gal)	200 (44)
Hydraulic tank	litres (UK gal)	120 (26.4)

STANDARD / OPTIONAL EQUIPMENT

Standard Equipment: Engine fan guard; Cold start pre-heat; Auto engine warm up; Double element air cleaner; Electric refuelling pump; Heavy-duty alternator; Electrics isolator; Heavy-duty batteries; Cab & engine soundproofing; Cab heater & screen demister; Tinted glass; Interior light; Coat hook; Cigarette lighter; Ashtray; Operator's storage shelf; Removable floor mat; Windscreen wash/wipe; Plug-in power socket; Automatic power boost; Auto-idle; One-touch engine speed control; Hydraulic cushion control; Boom/swing priority switch; Plexus hydraulic oil filtration; HSP pressure test points; Auxiliary pipework mounting brackets; Work lights – boom & mainframe mounted; Undercarriage belly guarding; Upper structure under covers; Swing system cover; Twin track guides; External mirrors; Handrail & non slip walk ways; Quick connect engine oil drain pipe; Front screen blind; Quick connect fuel tank drain pipe; Hinged engine under cover.

Optional Equipment: Hose burst check valves & overload warning system; Tipping link mounted lift points; General purpose buckets; Ditch/grading buckets; Quickhitch buckets; Hydraulic hammers; Auxiliary pipework (full and low flow); Climate control; Cab mounted & rear work lights; Rotating beacon; Rain guard; Biodegradeable oil; Air suspension seat with heated pad and lumbar support adjustment; lower screen wiper; Radio.

WEIGHTS AND GROUND BEARING PRESSURES

JZ255 NC – equipped with 1.14m³ bucket (760kg (1675lb), operator, full fuel tank, 600mm track shoes and 2.4m dipper.

Shoe Width	Operating Weight	Bearing Pressure
600mm (24in.)	22978kg (50658lb)	0.46kg/sq. cm. (6.54lb/sq. in.)
700mm (28in.)	23258kg (51275lb)	0.40kg/sq. cm. (5.69lb/sq. in.)
800mm (31in.)	23538kg (51892lb)	0.35kg/sq. cm. (4.98lb/sq. in.)
900mm (35in.)	23818kg (52510lb)	0.32kg/sq. cm. (4.55lb/sq. in.)

JZ235 LC – equipped with 1.14m³ bucket (760kg (1675lb), operator, full fuel tank, 600mm track shoes and 2.4m dipper.

Shoe Width	Operating Weight	Bearing Pressure
600mm (24in.)	23053kg (50823lb)	0.46kg/sq. cm. (6.54lb/sq. in.)
700mm (28in.)	23333kg (51440lb)	0.40kg/sq. cm. (5.69lb/sq. in.)
800mm (31in.)	23613kg (52058lb)	0.35kg/sq. cm. (4.98lb/sq. in.)
900mm (35in.)	23893kg (52675lb)	0.32kg/sq. cm. (4.55lb/sq. in.)

JZ235 NC T.A.B. – equipped with 1.14m³ bucket (760kg (1675lb), operator, full fuel tank, 600mm track shoes and 2.4m dipper.

Shoe Width	Operating Weight	Bearing Pressure
600mm (24in.)	23444kg (51685lb)	0.47kg/sq. cm. (6.83lb/sq. in.)
700mm (28in.)	23724kg (52302lb)	0.41kg/sq. cm. (5.83lb/sq. in.)
800mm (31in.)	24004kg (52920lb)	0.36kg/sq. cm. (5.12lb/sq. in.)
900mm (35in.)	24284kg (53537lb)	0.33kg/sq. cm. (4.69lb/sq. in.)

JZ235 LC T.A.B. – equipped with 1.14m³ bucket (760kg (1675lb), operator, full fuel tank, 600mm track shoes and 2.4m dipper.

Shoe Width	Operating Weight	Bearing Pressure
600mm (24in.)	23519kg (51851lb)	0.47kg/sq. cm. (6.83lb/sq. in.)
700mm (28in.)	23799kg (52468lb)	0.41kg/sq. cm. (5.83lb/sq. in.)
800mm (31in.)	24079kg (53085lb)	0.36kg/sq. cm. (5.12lb/sq. in.)
900mm (35in.)	24359kg (53702lb)	0.33kg/sq. cm. (4.69lb/sq. in.)

WORKING RANGE – JZ255 NC/LC MONOBOOM

Boom length 5.70m (18ft 8in)					
Dipper length			1.91m (6ft 3in)	2.40m (7ft 10in)	3.00m (9ft 10in)
A	Maximum digging reach	m (ft-in)	9.02 (29-7)	9.47 (31-1)	9.88 (32-5)
B	Maximum digging reach (on ground)	m (ft-in)	8.79 (28-10)	9.24 (30-4)	9.67 (31-9)
C	Maximum digging depth	m (ft-in)	5.65 (18-6)	6.14 (20-2)	6.63 (21-9)
D	Maximum digging height	m (ft-in)	10.42 (34-2)	10.76 (35-4)	11.02 (36-2)
E	Maximum dumping height	m (ft-in)	7.56 (24-10)	7.91 (25-11)	8.19 (26-10)
F	Maximum vertical wall cut depth	m (ft-in)	4.18 (13-9)	4.63 (15-2)	5.93 (19-5)
G	Minimum swing radius	m (ft-in)	2.33 (7-6)	2.37 (7-9)	2.10 (6-11)
Bucket rotation		deg.	183°	183°	183°
Dipper tearout (ISO 6015)		kgf (lbf)	13450 (29650)	11560 (25485)	9590 (21142)
Dipper tearout with boost (ISO 6015)		kgf (lbf)	14610 (32210)	12550 (27670)	10410 (22950)
Bucket tearout (ISO 6015)		kgf (lbf)	14550 (32080)	14550 (32080)	14550 (32080)
Bucket tearout with boost (ISO 6015)		kgf (lbf)	15800 (34835)	15800 (34835)	15800 (34835)

STANDARD EXCAVATING BUCKETS

Standard excavating buckets are fully welded, heavy duty steel with hardened and sealed pivot pins.

Mono Boom length: 5.70m (18ft 8in)								
Bucket width	mm (in)	600 (24)	900 (35)	1000 (39)	1200 (47)	1350 (53)	1450 (57)	1500 (59)
Bucket capacity	m³ (yd³)	0.4 (0.5)	0.7 (0.9)	0.8 (1.0)	1.025 (1.3)	1.045 (1.4)	1.14 (1.5)	1.18 (2.35)
Bucket weight	kg (lb)	471 (1038)	583 (1285)	616 (1358)	695 (1532)	715 (1576)	760 (1676)	776 (1711)
Dipper length								
JZ255NC	1.91m (6ft 3in)	○	○	○	○	○	○	○
JZ255NC	2.40m (7ft 10in)	○	○	○	○	○	○	●
JZ255NC	3.00m (9ft 10in)	○	○	○	○	●	●	■
JZ255LC	1.91m (6ft 3in)	○	○	○	○	○	○	○
JZ255LC	2.40m (7ft 10in)	○	○	○	○	○	○	○
JZ255LC	3.00m (9ft 10in)	○	○	○	○	○	○	●

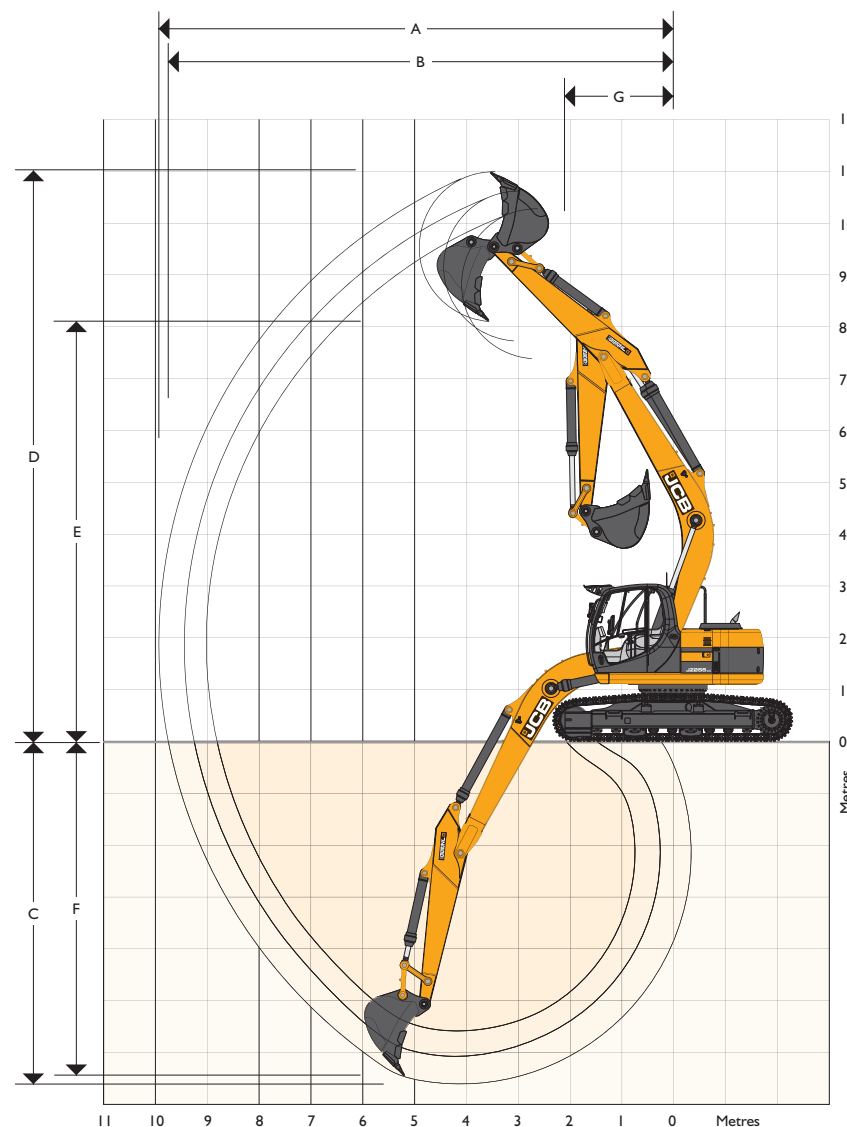
○ Material weight up to 1800kg/m³ (1.35t/yd³)

● Material weight up to 1500kg/m³ (1.1t/yd³)

■ Material weight up to 1200kg/m³ (0.90t/yd³)

These recommendations are given as a guide based on typical operating conditions.

Please contact your distributor for the correct selection of buckets and attachments to suit the application.



WORKING RANGE – JZ255 NC/LC T.A.B.

Boom length 5.70m (18ft 8in)					
Dipper length			1.91m (6ft 3in)	2.40m (7ft 10in)	3.00m (9ft 10in)
A	Maximum digging reach	m (ft-in)	9.05 (29-8)	9.50 (31-2)	9.92 (32-7)
B	Maximum digging reach (on ground)	m (ft-in)	8.80 (28-10)	9.28 (30-5)	9.72 (31-11)
C	Maximum digging depth	m (ft-in)	5.07 (16-8)	5.57 (18-3)	6.05 (19-10)
D	Maximum digging height	m (ft-in)	10.40 (34-1)	10.75 (35-3)	11.01 (36-1)
E	Maximum dumping height	m (ft-in)	7.55 (24-9)	7.91 (25-11)	8.18 (26-10)
F	Maximum vertical wall cut depth	m (ft-in)	3.29 (10-10)	3.72 (12-2)	5.07 (16-8)
G	Minimum swing radius	m (ft-in)	2.38 (7-10)	2.41 (7-11)	2.10 (6-10)
Bucket rotation		deg.	183°	183°	183°
Dipper tearout (ISO 6015)		kgf (lbf)	13450 (29650)	11560 (25485)	9590 (21142)
Dipper tearout with boost (ISO 6015)		kgf (lbf)	14610 (32210)	12550 (27670)	10410 (22950)
Bucket tearout (ISO 6015)		kgf (lbf)	14550 (32080)	14550 (32080)	14550 (32080)
Bucket tearout with boost (ISO 6015)		kgf (lbf)	15800 (34835)	15800 (34835)	15800 (34835)

STANDARD EXCAVATING BUCKETS

Standard excavating buckets are fully welded, heavy duty steel with hardened and sealed pivot pins.

TAB length: 5.70m (18ft 8in)								
Bucket width	mm (in)	600 (24)	900 (35)	1000 (39)	1200 (47)	1350 (53)	1450 (57)	1500 (59)
Bucket capacity	m³ (yd³)	0.4 (0.5)	0.7 (0.9)	0.8 (1.0)	1.025 (1.3)	1.045 (1.4)	1.14 (1.5)	1.18 (2.35)
Bucket weight	kg (lb)	471 (1038)	583 (1285)	616 (1358)	695 (1532)	715 (1576)	760 (1676)	776 (1711)
Dipper length								
JZ255NC	1.91m (6ft 3in)	○	○	○	○	○	○	○
JZ255NC	2.40m (7ft 10in)	○	○	○	○	○	○	○
JZ255NC	3.00m (9ft 10in)	○	○	○	●	●	■	■
JZ255LC	1.91m (6ft 3in)	○	○	○	○	○	○	○
JZ255LC	2.40m (7ft 10in)	○	○	○	○	○	○	●
JZ255LC	3.00m (9ft 10in)	○	○	○	●	●	■	■

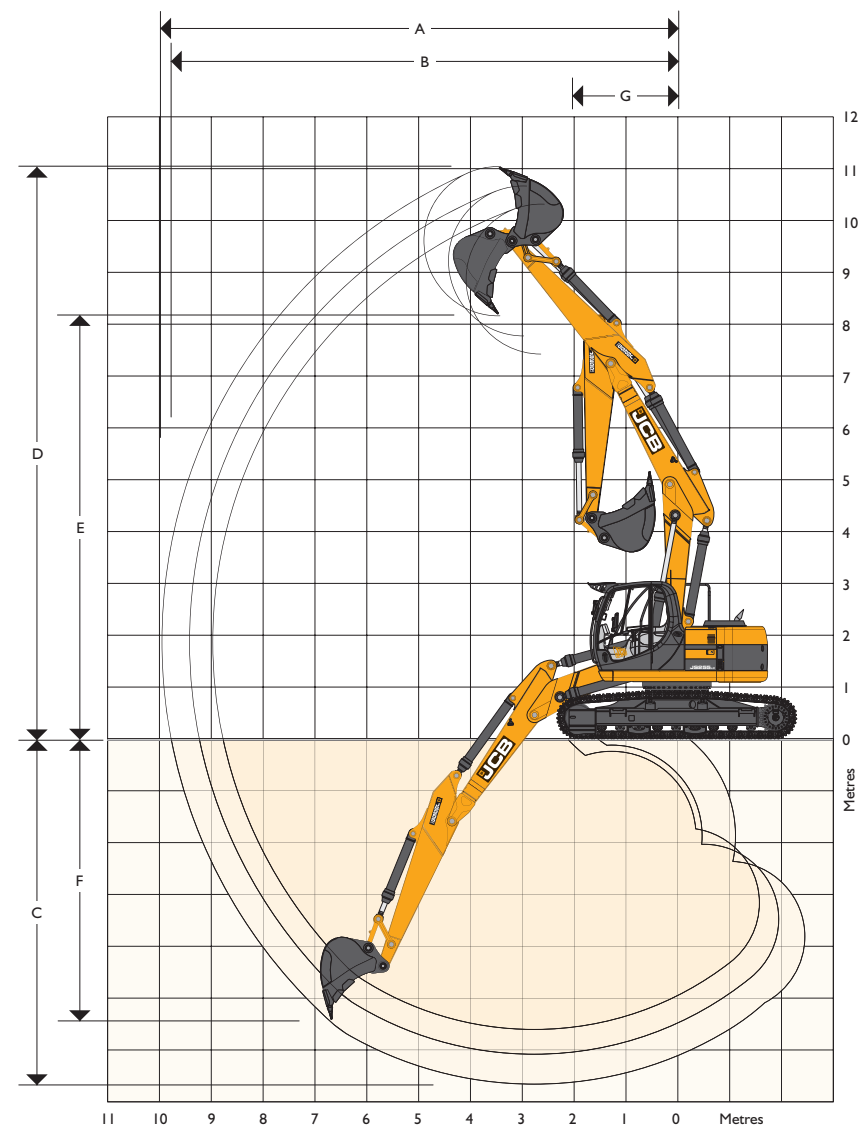
○ Material weight up to 1800kg/m³ (1.35t/yd³)

● Material weight up to 1500kg/m³ (1.1t/yd³)

■ Material weight up to 1200kg/m³ (0.90t/yd³)

These recommendations are given as a guide based on typical operating conditions.

Please contact your distributor for the correct selection of buckets and attachments to suit the application.





LIFT CAPACITIES – Dipper length: 1.9m, Monoboomb: 5.7m, Trackshoes: 600mm, No bucket.

JZ255 NC MONO

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
													
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					7720*	7560					6380*	6380*	4779
6.0m (19.8ft)			9840*	9840*	7880*	7470	6970*	4710			5920*	4550	6129
4.5m (14.9ft)					9000*	7080	7280*	4600			5910	3700	6907
3.0m (9.10ft)					10380*	6580	7740	4410			5710	3320	7301
1.5m (4.11ft)					11000*	6230	7530	4230			5550	3200	7372
0m					10590*	6120	7420	4130			5780	3300	7131
– 1.5m (– 4.11ft)			10980*	10980*	9420*	6150	7190*	4140			6340*	3710	6543
– 3.0m (– 9.10ft)			8600*	8600*	7240*	6310					5740*	4790	5495

LIFT CAPACITIES – Dipper length: 2.4m, Monoboomb: 5.7m, Trackshoes: 600mm, No bucket.

JZ255 NC MONO

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
													
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					6970*	6970*					5370*	5350	5599
6.0m (19.8ft)					7280*	7280*	6540*	4800			4950*	3910	6786
4.5m (14.9ft)			11950*	11950*	8430*	7220	6940*	4660			4850*	3280	7496
3.0m (9.10ft)					9930*	6710	7560*	4450	5510	3210	4990*	2990	7859
1.5m (4.11ft)					10890*	6310	7560	4250	5410	3120	4990	2890	7926
0m					10850*	6140	7420	4130	5350	3070	5160	2960	7702
– 1.5m (– 4.11ft)			11800*	11800*	9950*	6120	7380	4100			5720	3260	7161
– 3.0m (– 9.10ft)			10270*	10270*	8140*	6220	5900*	4180			5470*	4000	6220
– 4.5m (– 14.9ft)					4340*	4340*					4320*	4320*	4507

LIFT CAPACITIES – Dipper length: 3.0m, Monoboomb: 5.7m, Trackshoes: 600mm, No bucket.

JZ255 NC MONO

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
													
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
9.0m (29.5ft)					4300*	4300*					4110*	4110*	4559
7.5m (24.7ft)					5810*	5810*	4520*	4520*			3460*	3460*	6330
6.0m (19.8ft)					6170*	6170*	5900*	4810			3230*	3230*	7400
4.5m (14.9ft)			9710*	9710*	7580*	7310	6390*	4650	5300*	3250	3180*	2880	8055
3.0m (9.10ft)			11210*	11210*	9180*	6780	7100*	4420	5460	3150	3260*	2630	8395
1.5m (4.11ft)					10460*	6310	7520	4200	5340	3040	3480*	2540	8457
0m			6880*	6880*	10830*	6050	7330	4040	5250	2960	3880*	2590	8247
– 1.5m (– 4.11ft)	6890*	6890*	11190*	11190*	10300*	5970	7250	3970	5220	2930	4590*	2810	7745
– 3.0m (– 9.10ft)	11480*	11480*	11880*	11750	8890*	6020	6630*	4000			5290*	3340	6885
– 4.5m (– 14.9ft)			8060*	8060*	6150*	6150*					4570*	4570*	5500



Lift capacity front and rear.



Lift capacity full circle.

Notes:

1. The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
2. They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
3. Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

LIFT CAPACITIES – Dipper length: 1.9m, Monoboom: 5.7m, Trackshoes: 600mm, No bucket.

JZ255 LC MONO

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					7720*	7720*					6380*	6380*	4779
6.0m (19.8ft)			9840*	9840*	7880*	7880*	6970*	5190			5920*	5000	6129
4.5m (14.9ft)					9000*	7860	7280*	5070			5910*	4080	6907
3.0m (9.10ft)					10380*	7340	7760	4870			5730	3670	7301
1.5m (4.11ft)					11000*	6980	7560	4690			5570	3540	7372
0m					10590*	6870	7450	4600			5800	3660	7131
– 1.5m (– 4.11ft)			10980*	10980*	9420*	6910	7190*	4600			6340	4120	6543
– 3.0m (– 9.10ft)			8600*	8600*	7240*	7060					5740*	5330	5495

LIFT CAPACITIES – Dipper length: 2.4m, Monoboom: 5.7m, Trackshoes: 600mm, No bucket.

JZ255 LC MONO

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					6970*	6970*					5370*	5370*	5599
6.0m (19.8ft)					7280*	7280*	6540*	5280			4950*	4300	6786
4.5m (14.9ft)			11950*	11950*	8430*	8000	6940*	5130			4850*	3620	7496
3.0m (9.10ft)					9930*	7480	7560*	4920	5530	3540	4990*	3300	7859
1.5m (4.11ft)					10890*	7070	7590	4720	5430	3460	5010	3200	7926
0m					10850*	6890	7440	4590	5370	3400	5170	3280	7702
– 1.5m (– 4.11ft)			11800*	11800*	9950*	6870	7410	4560			5740	3620	7161
– 3.0m (– 9.10ft)			10270*	10270*	8140*	6970	5900*	4650			5470*	4440	6220
– 4.5m (– 14.9ft)					4340*	4340*					4320*	4320	4507

LIFT CAPACITIES – Dipper length: 3.0m, Monoboom: 5.7m, Trackshoes: 600mm, No bucket.

JZ255 LC MONO

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
9.0m (29.5ft)					4300*	4300*					4110*	4110*	4559
7.5m (24.7ft)					5810*	5810*	4520*	4520*			3460*	3460*	6330
6.0m (19.8ft)					6170*	6170*	5900*	5290			3230*	3230*	7400
4.5m (14.9ft)			9710*	9710*	7580*	7580*	6390*	5130	5300*	3590	3180*	3180	8055
3.0m (9.10ft)			11210*	11210*	9180*	7560	7100*	4890	5480	3490	3260*	2920	8395
1.5m (4.11ft)					10460*	7070	7540	4660	5360	3380	3480*	2820	8457
0m			6880*	6880*	10830*	6800	7360	4500	5260	3290	3880*	2880	8247
– 1.5m (– 4.11ft)	6890*	6890*	11190*	11190*	10300*	6720	7280	4430	5240	3260	4590*	3130	7745
– 3.0m (– 9.10ft)	111480*	111480*	11880*	11880*	8890*	6770	6630*	4460			5290*	3720	6885
– 4.5m (– 14.9ft)			8060*	8060*	6150*	6150*					4570*	4570*	5500



Lift capacity front and rear.



Lift capacity full circle.

Notes:

- The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
- They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
- Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

LIFT CAPACITIES – Dipper length: 1.9m, T.A. Boom: 5.7m, Trackshoes: 600mm, No bucket.

JZ255 NC T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					8160*	8160*					6840*	6840*	4776
6.0m (19.8ft)			11410*	11410*	9240*	8430	7310*	5260			6340*	5070	6127
4.5m (14.9ft)					10100*	7980	7910*	5130			6340*	4110	6905
3.0m (9.10ft)					10940*	7390	7840	4900			5780	3670	7299
1.5m (4.11ft)					10780*	6970	7600	4690			5590	3530	7370
0m					9580*	6820	7450*	4570			5800	3630	7129
– 1.5m (– 4.11ft)			6930*	6930*	7620*	6830	5950*	4550			5090	4070	6540
– 3.0m (– 9.10ft)					4580*	4580*					3530*	3530*	5492

LIFT CAPACITIES – Dipper length: 2.4m, T.A. Boom: 5.7m, Trackshoes: 600mm, No bucket.

JZ255 NC T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					7770*	7770*					5720*	5720*	5599
6.0m (19.8ft)					8240*	8240*	7390*	5360			5270*	4350	6786
4.5m (14.9ft)			14000*	14000*	9660*	8140	7670*	5200			5170*	3640	7496
3.0m (9.10ft)					10700*	7550	7910	4960	5570	3560	5170	3300	7859
1.5m (4.11ft)					10970*	7080	7640	4730	5460	3450	5030	3180	7926
0m					10150*	6850	7470	4570	5380	3380	5180	3260	7702
– 1.5m (– 4.11ft)			9400*	9400*	8460*	6800	6540*	4520			4810*	3580	7161
– 3.0m (– 9.10ft)			6030*	6030*	5790*	5790*	4100*	4100*			3660*	3660*	6220

LIFT CAPACITIES – Dipper length: 3.0m, T.A. Boom: 5.7m, Trackshoes: 600mm, No bucket.

JZ255 NC T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
9.0m (29.5ft)					4610*	4610*					4470*	4470*	4549
7.5m (24.7ft)					5830*	5830*	4720*	4720*			3760*	3760*	6323
6.0m (19.8ft)					6090*	6090*	5990*	5400			3520*	3520*	7393
4.5m (14.9ft)			9280*	9280*	8170*	8170*	7240*	5210	5440*	3630	3480*	3200	8049
3.0m (9.10ft)			10370*	10370*	10170*	7660	7720*	4950	5540	3510	3570*	2920	8389
1.5m (4.11ft)					10840*	7110	7620	4690	5400	3380	3810*	2820	8451
0m			6490*	6490*	10480*	6780	7390	4490	5280	3280	4240*	2860	8242
– 1.5m (– 4.11ft)			10820*	10820*	9170*	6670	6970*	4390	5030*	3230	4640*	3100	7739
– 3.0m (– 9.10ft)			8180*	8180*	6920*	6700	5190*	4410			3860*	3680	6878
– 4.5m (– 14.9ft)					3240*	3240*					2330*	2330*	5376



Lift capacity front and rear.



Lift capacity full circle.

Notes:

- The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
- They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
- Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.

LIFT CAPACITIES – Dipper length: 1.9m, T.A. Boom: 5.7m, Trackshoes: 600mm, No bucket.

JZ255 LC T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					8160*	8160*					6840*	6840*	4776
6.0m (19.8ft)			11410*	11410*	9240*	7620	7310*	4770			6340*	4600	6127
4.5m (14.9ft)					10100*	7190	7910*	4650			6340*	3720	6905
3.0m (9.10ft)					10940*	6610	7820	4430			5760	3320	7299
1.5m (4.11ft)					10780*	6210	7580	4220			5570	3180	7370
0m					9580*	6070	7440	4100			5780	3270	7129
– 1.5m (– 4.11ft)			6930*	6930*	7620*	6080	5950*	4090			5090*	3660	6540
– 3.0m (– 9.10ft)					4580*	4580*					3530*	3530*	5492

LIFT CAPACITIES – Dipper length: 2.4m, T.A. Boom: 5.7m, Trackshoes: 600mm, No bucket.

JZ255 LC T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					7770*	7770*					5720*	5440	5599
6.0m (19.8ft)					8240*	7760	7390*	4870			5270*	3950	6786
4.5m (14.9ft)			14000*	14000*	9660*	7340	7670*	4720			5170*	3300	7496
3.0m (9.10ft)					10700*	6770	7880	4480	5560	3210	5160	2980	7859
1.5m (4.11ft)					10970*	6310	7620	4250	5440	3110	5010	2870	7926
0m					10150*	6090	7440	4100	5360	3040	5160	2930	7702
– 1.5m (– 4.11ft)			9400*	9400*	8460*	6040	6540*	4050			4810*	3220	7161
– 3.0m (– 9.10ft)			6030*	6030*	5790*	5790*	4100*	4100*			3660*	3660*	6220

LIFT CAPACITIES – Dipper length: 3.0m, T.A. Boom: 5.7m, Trackshoes: 600mm, No bucket.

JZ255 LC T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Max. Reach		Max. Reach
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
9.0m (29.5ft)					4610*	4610*					4470*	4470*	4549
7.5m (24.7ft)					5830*	5830*	4720*	4720*			3760*	3760*	6323
6.0m (19.8ft)					6090*	6090*	5990*	4900			3520*	3410	7393
4.5m (14.9ft)			9280*	9280*	8170*	7460	7240*	4730	5440*	3280	3480*	2890	8049
3.0m (9.10ft)			10370*	10370*	10170*	6870	7720*	4470	5520	3170	3570*	2630	8389
1.5m (4.11ft)					10840*	6340	7590	4210	5380	3040	3810*	2530	8451
0m			6490*	6490*	10480*	6020	7370	4020	5260	2940	4240*	2570	8242
– 1.5m (– 4.11ft)			10820*	10820*	9170*	5910	6970*	3930	5030*	2900	4640*	2780	7739
– 3.0m (– 9.10ft)			8180*	8180*	6920*	5940	5190*	3940			3860*	3300	6878
– 4.5m (– 14.9ft)					3240*	3240*					2330*	2330*	5376



Lift capacity front and rear.



Lift capacity full circle.

Notes:

- The above loads are in compliance with SAE and ISO Hydraulic Excavator Lift Capacity Standards.
- They do not exceed 87% of hydraulic lifting capacity or 75% of tipping load.
- Rated loads marked with an asterisk (*) are limited by hydraulic capacity rather than tipping load.



A GLOBAL COMMITMENT TO QUALITY

JCB's total commitment to its products and customers has helped it grow from a one-man business into Britain's largest privately owned manufacturer of backhoe loaders, crawler excavators, wheeled excavators, telescopic handlers, wheeled loaders, dump trucks, rough terrain fork lifts, industrial fork lifts, mini/midi excavators, skid steer loaders and tractors.

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