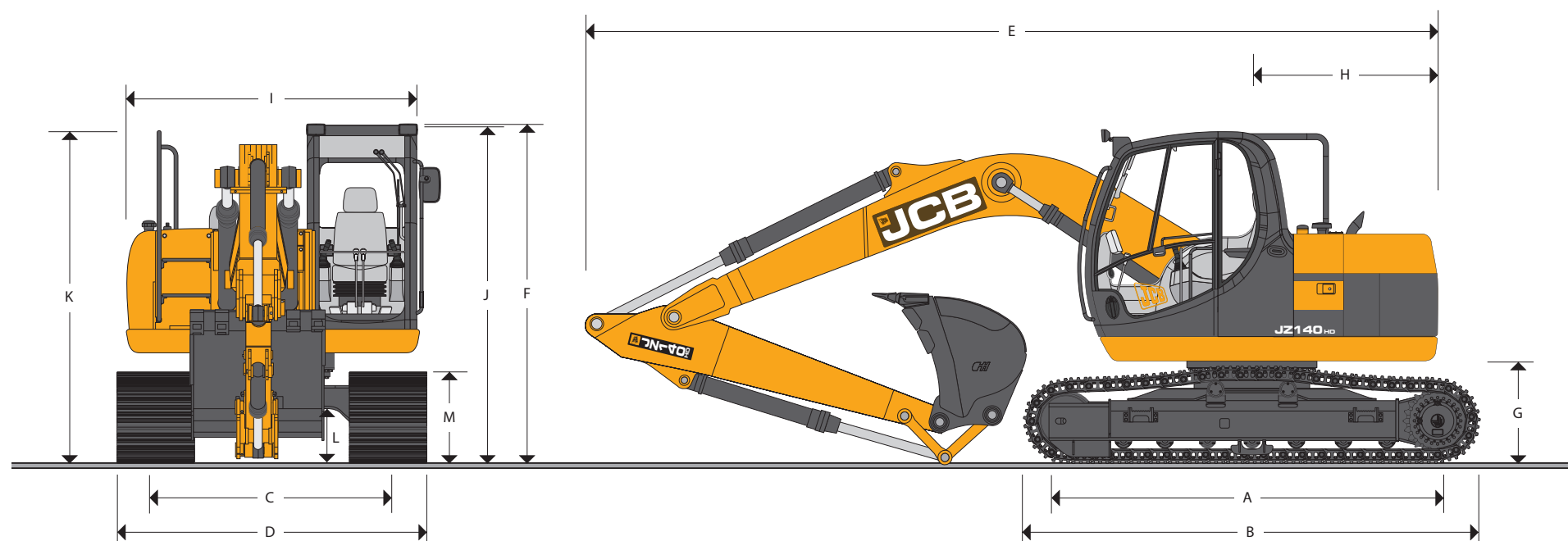




MAX. OPERATING WEIGHT: 15890 kg (35031 lb) – 16650 kg (36707 lb) WITH BLADE MAX. ENGINE POWER: 73 kW (98 hp)



STATIC DIMENSIONS – JZ140 MONOBOOM

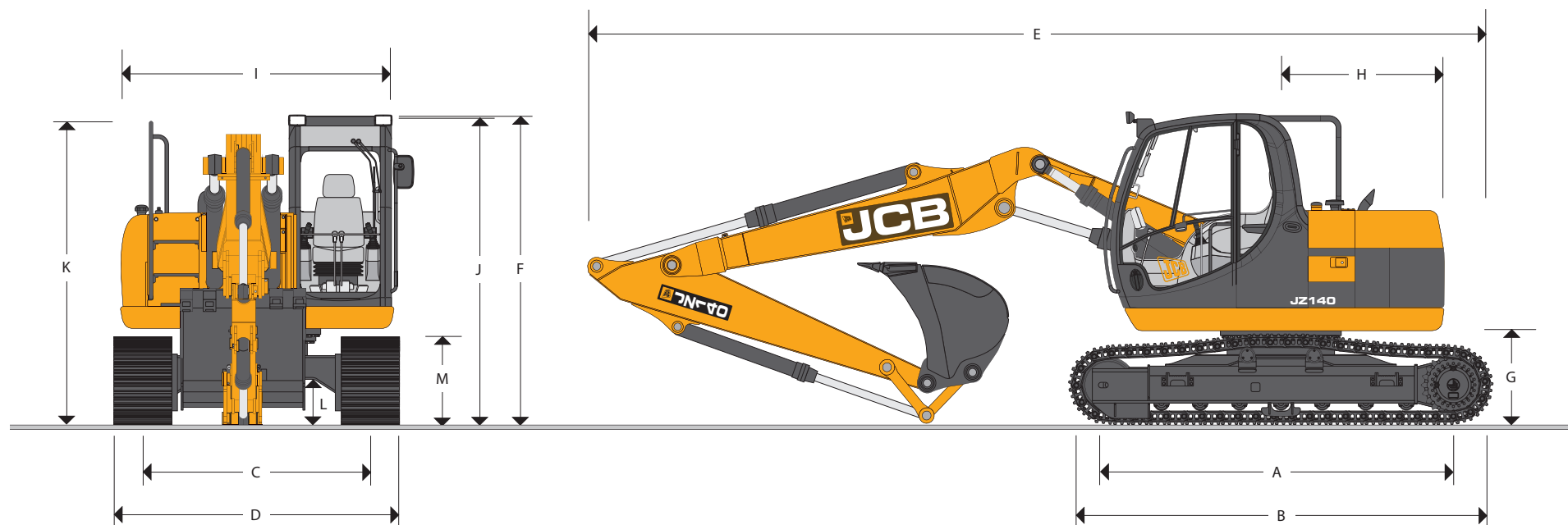
Dimensions in millimetres (ft-in)				
A	Track length on ground	2865 (9-5)		
B	Undercarriage overall length	3607 (11 -10)		
C	Track gauge	1990 (6-6)		
D	Width over tracks (500mm trackshoes)	2490 (8-2)		
D	Width over tracks (600mm trackshoes)	2590 (8-6)		
D	Width over tracks (700mm trackshoes)	2690 (8-10)		
D	Width over tracks (850mm trackshoes)	2840 (9-4)		
Dipper lengths		2.1m (6ft 11in)	2.5m (8ft 2in)	3.0m* (9ft 10in)
E	Transport length with Monoboom	7370 (24-2)	7380 (24-3)	7330 (24-1)
F	Transport height with Monoboom	2850 (9-4)	2850 (9-4)	3240 (10-8)

Dimensions in millimetres (ft-in)	
G	Counterweight clearance
H	Tail swing radius
I	Width of superstructure
J	Height over cab
K	Height over grab rail
L	Ground clearance
M	Track height

*Machine in transport position



MAX. OPERATING WEIGHT: 16600 kg (36597 lb) – 17360 kg (38272 lb) WITH BLADE MAX. ENGINE POWER: 73 kW (98 hp)



STATIC DIMENSIONS – JZ140 T.A.B.

Dimensions in millimetres (ft-in)				
A	Track length on ground	2865 (9-5)		
B	Undercarriage overall length	3607 (11 -10)		
C	Track gauge	1990 (6-6)		
D	Width over tracks (500mm trackshoes)	2490 (8-2)		
D	Width over tracks (600mm trackshoes)	2590 (8-6)		
D	Width over tracks (700mm trackshoes)	2690 (8-10)		
D	Width over tracks (850mm trackshoes)	2840 (9-4)		
Dipper lengths		2.1m (6ft 11in)	2.5m (8ft 2in)	3.0m* (9ft 10in)
E	Transport length with T.A.B	7675 (25-2)	7640 (25-1)	8125 (26-8)
F	Transport height with T.A.B.	2850 (9-4)	2850 (9-4)	3331 (10-11)

Dimensions in millimetres (ft-in)	
G	Counterweight clearance
H	Tail swing radius
I	Width of superstructure
J	Height over cab
K	Height over grab rail
L	Ground clearance
M	Track height

*Machine in transport position



ENGINE

Model	Isuzu 4JJ1X EU Stage IIIA EPA Tier 3 compliant.
Type	Water cooled, 4-stroke, 4-cylinder in-line, common rail direct injection, turbocharged intercooled diesel.
Rated power (ISO 14899 (SAE J1995))	73kW (98hp) at 2000rpm.
Piston Displacement	2.999 litres (0.6 UK gal).
Injection	Electronic injection.
Air Filtration	Dry element with secondary safety element and in cab warning indicator.
Cooling	Large capacity radiator.
Starting system	24 volt – 4.5kW.
Batteries	2 x 12 volt Heavy Duty.
Alternator	24 volt 50 amp.
Refuelling pump	Electric type.

SWING SYSTEM

Swing motor	Axial piston type.
Swing brake	Hydraulic braking plus automatic spring applied disc type parking brake.
Final drive	Planetary reduction.
Swing speed	12.8 rpm.
Swing gear	Large diameter, internally toothed fully sealed grease bath lubricated.
Swing lock	Multi position switchable brake.

UNDERCARRIAGE

Construction	Fully welded, "X" frame type with central bellyguarding and sloping sidemembers with dirt relief holes under top rollers.	
Recovery point	Front and rear.	
Upper & lower rollers	Heat treated, sealed and lubricated.	
Track adjustment	Grease cylinder type.	
Track type	Sealed and lubricated.	
Track idler	Sealed and lubricated, with spring cushioned recoil.	
Track shoes	500mm (20in.) triple grouser 600mm (24in.) triple grouser 700mm (28in.) triple grouser 850mm (33in.) triple grouser	
Rollers and Shoes (each side)	Upper rollers	2
	Lower rollers	7
	Track shoes	44

HYDRAULIC SYSTEM

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 124 L/min (2 x 27.3 UK GPM).
Servo pump	Gear type.
Maximum flow	21 L/min (4.6 UK GPM).
Fan drive	Gear type.
	40 L/min (8.8 UK GPM).

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	314 bar (4554lbf/sq.in)
With power boost	343 bar (4975lbf/sq.in)
Swing circuit	279 bar (4045lbf/sq.in)
Travel circuit	343 bar (4975lbf/sq.in)
Pilot control	40 bar (569lbf/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

Worldwide cooling is provided as part of a single face cooling pack, in conjunction with the engine water cooler.

TRACK DRIVE

Type	Fully 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 – 5.1 km/h (3.2 mph). Mid – 3.0 km/h (1.9 mph). Low – 2.0 km/h (1.2 mph).
Tractive effort	126kN (28326lbf).



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 4.7m (15ft 5in) 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 (T.A.B.) 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.

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. 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.

Speed selection via joystick button.

Via servo operated foot pedal.

Auxiliary

Control isolation

Via gate lock lever at cab entrance or panel switch.

Engine speed

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

Ignition key operated and separate shut-down button.

Engine stop

Operated via servo lever mounted button.

Horn

Separate lever in cab.

Blade (optional)

SERVICE CAPACITIES

	Litres	UK Gal
Fuel tank	162	35.5
Engine coolant	14.0	3.1
Engine oil	11.6	2.6
Swing reduction gear	2.2	0.5
Track reduction gear (each side)	3.0	0.7
Hydraulic system	124.0	27.3
Hydraulic tank	73.0	16.1

STANDARD / OPTIONAL EQUIPMENT

Standard Equipment: Radiator fan guard; Cold start pre-heat; Auto engine warm up; Double element air cleaner; 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 box with cargo net; Removable floor mat; Windscreen wash/wipe; Plug-in power socket; Automatic power boost; Auto-idle; One-touch engine speed control; Hydraulic cushion control; 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; External mirrors; Handrail & non slip walk ways; Quick connect engine oil drain pipe; Front screen blind; Quick connect fuel tank drain pipe.

Optional Equipment: Hose burst check valves & overload warning system; Tipping link mounted lift points; General purpose buckets; Ditching/grading buckets; Quickhitches; Hydraulic hammers; Auxiliary pipework (full and low flow); Air conditioning or climate control; Additional cab mounted work lights; Rotating beacon; Rain guard; Biodegradable oil; Air suspension seat with heated pad and lumbar support adjustment; Electric refuelling pump; Track guides; Lower screen wiper; Radio; Backfilling/stabilising blade; Various track plate widths; Cab guard protection screens; Mesh screen guard; Seat belt; Fire extinguisher; Vandal cover kit; Travel alarm.

WEIGHTS AND GROUND BEARING PRESSURES

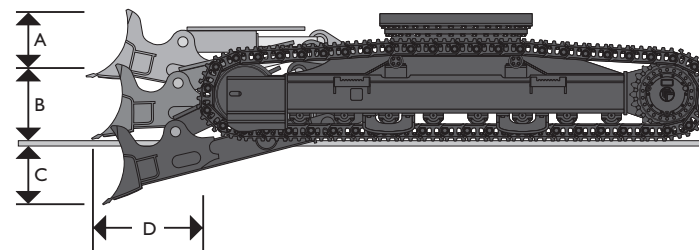
Machine equipped with 4.7m Monoboomb, 2.5m Dipper, Standard Excavating Bucket 1200mm wide, operator and full fuel tank.

Shoe Width	Operating Weight	Bearing Pressure
500mm (20in.)	14791kg (32609lb)	0.47kg/sq. cm. (6.68lb/sq. in.)
600mm (24in.)	15098kg (33285lb)	0.40kg/sq. cm. (5.69lb/sq. in.)
700mm (28in.)	15298kg (33276lb)	0.35kg/sq. cm. (4.98lb/sq. in.)
850mm (33in.)	15551kg (34284lb)	0.29kg/sq. cm. (4.12lb/sq. in.)

Machine equipped with 5.0m T.A.B., 2.5m Dipper, Standard Excavating Bucket, operator and full fuel tank.

Shoe Width	Operating Weight	Bearing Pressure
500mm (20in.)	15395kg (33940lb)	0.49kg/sq. cm. (6.97lb/sq. in.)
600mm (24in.)	15702kg (34617lb)	0.42kg/sq. cm. (5.97lb/sq. in.)
700mm (28in.)	15902kg (35058lb)	0.36kg/sq. cm. (5.12lb/sq. in.)
850mm (33in.)	16155kg (35616lb)	0.30kg/sq. cm. (4.27lb/sq. in.)

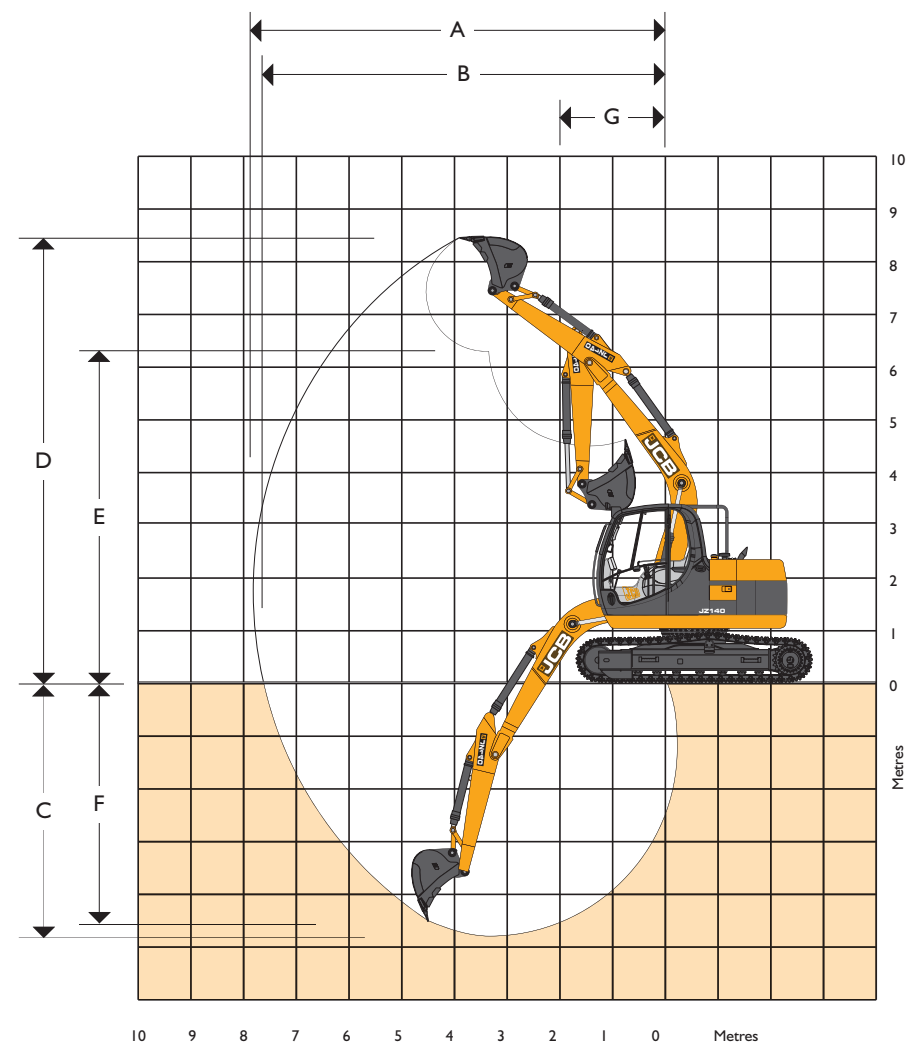
OPTIONAL BLADE



A	Blade height	mm (ft-in)	515 (1-8)
B	Blade lift above ground	mm (ft-in)	440 (1-5)
C	Blade cut below ground	mm (ft-in)	520 (1-8)
D	Blade forward of track	mm (ft-in)	410 (1-4)
	Dozer width – 500mm tracks	mm (ft-in)	2510 (8-3)
	Dozer width – 600mm tracks	mm (ft-in)	2610 (8-7)
	Dozer width – 700mm tracks	mm (ft-in)	2710 (8-11)
Additional weight with blade			
	500mm tracks	kg (lb)	747 (1647)
	600mm tracks	kg (lb)	753 (1660)
	700mm tracks	kg (lb)	759 (1673)

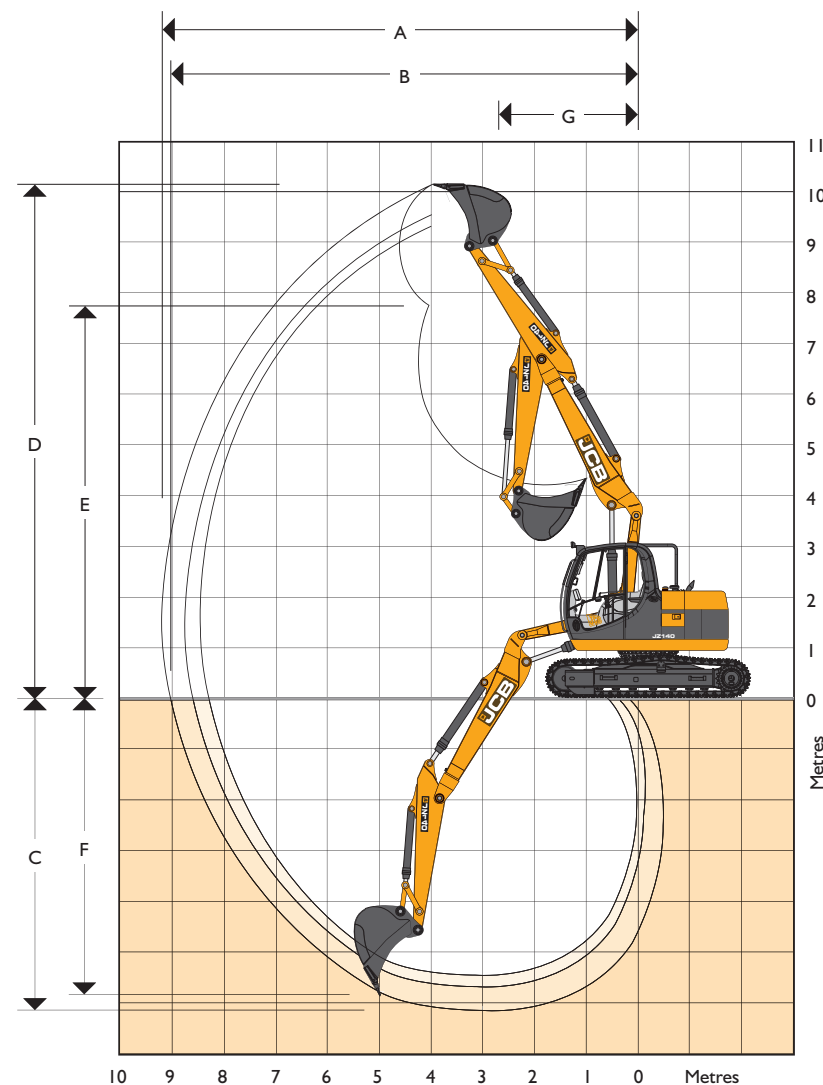
WORKING RANGE – JZ140 MONOBOOM

Boom length: 4.70m (15ft 5in)		
Dipper length:		2.10m (6ft 11in)
A	Maximum digging reach	mm (ft-in) 7970 (26-2)
B	Maximum digging reach (on ground)	mm (ft-in) 7820 (25-8)
C	Maximum digging depth	mm (ft-in) 5150 (16-11)
D	Maximum digging height	mm (ft-in) 8820 (28-11)
E	Maximum dumping height	mm (ft-in) 6430 (21-1)
F	Maximum vertical wall cut depth	mm (ft-in) 4580 (15-0)
G	Minimum swing radius	mm (ft-in) 2050 (6-9)
	Bucket rotation	182°
	Maximum dipper tearout (ISO 6015)	kgf (lbf) 7515 (16569)
	Maximum bucket tearout (ISO 6015)	kgf (lbf) 9375 (20667)
Dipper length: 2.50m (8ft 2in)		
A	Maximum digging reach	mm (ft-in) 8340 (27-4)
B	Maximum digging reach (on ground)	mm (ft-in) 8200 (26-11)
C	Maximum digging depth	mm (ft-in) 5550 (18-3)
D	Maximum digging height	mm (ft-in) 9090 (29-10)
E	Maximum dumping height	mm (ft-in) 6700 (22-0)
F	Maximum vertical wall cut depth	mm (ft-in) 4980 (16-4)
G	Minimum swing radius	mm (ft-in) 2050 (6-9)
	Bucket rotation	182°
	Maximum dipper tearout (ISO 6015)	kgf (lbf) 6680 (14720)
	Maximum bucket tearout (ISO 6015)	kgf (lbf) 9375 (20667)
Dipper length: 3.00m (9ft 10in)		
A	Maximum digging reach	mm (ft-in) 8790 (28-10)
B	Maximum digging reach (on ground)	mm (ft-in) 8660 (28-5)
C	Maximum digging depth	mm (ft-in) 6050 (19-10)
D	Maximum digging height	mm (ft-in) 9410 (30-10)
E	Maximum dumping height	mm (ft-in) 7020 (23-0)
F	Maximum vertical wall cut depth	mm (ft-in) 5440 (17-10)
G	Minimum swing radius	mm (ft-in) 2410 (7-11)
	Bucket rotation	182°
	Maximum dipper tearout (ISO 5016)	kgf (lbf) 5970 (13161)
	Maximum bucket tearout (ISO 5016)	kgf (lbf) 9375 (20667)



WORKING RANGE – JZ140 T.A.B.

Boom length: 5.00m (16ft 5in)		
Dipper length:		2.10m (6ft 11in)
A	Maximum digging reach	mm (ft-in) 8360 (27-5)
B	Maximum digging reach (on ground)	mm (ft-in) 8140 (26-8)
C	Maximum digging depth	mm (ft-in) 5350 (17-6)
D	Maximum digging height	mm (ft-in) 9345 (30-8)
E	Maximum dumping height	mm (ft-in) 6945 (31-7)
F	Maximum vertical wall cut depth	mm (ft-in) 4910 (16-1)
G	Minimum swing radius	mm (ft-in) 2050 (6-9)
	Bucket rotation	182°
	Maximum Dipper tearout (ISO 6015)	kgf (lbf) 7515 (16569)
	Maximum Bucket tearout (ISO 6015)	kgf (lbf) 9375 (20667)
Dipper length: 2.50m (8ft 2in)		
A	Maximum digging reach	mm (ft-in) 8750 (28-8)
B	Maximum digging reach (on ground)	mm (ft-in) 8525 (28-0)
C	Maximum digging depth	mm (ft-in) 5755 (18-10)
D	Maximum digging height	mm (ft-in) 9670 (31-8)
E	Maximum dumping height	mm (ft-in) 7245 (23-9)
F	Maximum vertical wall cut depth	mm (ft-in) 5310 (17-6)
G	Minimum swing radius	mm (ft-in) 2050 (6-9)
	Bucket rotation	182°
	Maximum Dipper tearout (ISO 6015)	kgf (lbf) 6680 (14720)
	Maximum Bucket tearout (ISO 6015)	kgf (lbf) 9375 (20667)
Dipper length: 3.00m (9ft 10in)		
A	Maximum digging reach	mm (ft-in) 9235 (30-3)
B	Maximum digging reach (on ground)	mm (ft-in) 9000 (29-6)
C	Maximum digging depth	mm (ft-in) 6260 (20-6)
D	Maximum digging height	mm (ft-in) 10070 (33-0)
E	Maximum dumping height	mm (ft-in) 7620 (25-0)
F	Maximum vertical wall cut depth	mm (ft-in) 5770 (18-11)
G	Minimum swing radius	mm (ft-in) 2410 (7-11)
	Bucket rotation	182°
	Maximum Dipper tearout (ISO 6015)	kgf (lbf) 5970 (13161)
	Maximum Bucket tearout (ISO 6015)	kgf (lbf) 9375 (20667)



LIFT CAPACITIES – Dipper Length: 2.10m, 4.70m Monoboom, Trackshoes: 700mm, No bucket.

JZ140 MONO

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)			3920*	3920*							3940*	3940*	3046
6.0m (19.8ft)					3290*	3290*					2950*	2950*	5042
4.5m (14.9ft)			3900*	3900*	3460*	3460*	3170*	2250			2700*	2200	6068
3.0m (9.10ft)			6070*	6070*	4180*	3400	3280	2200			2660*	1880	6604
1.5m (4.11ft)					4880	3160	3180	2100			2650	1760	6768
0m			6100*	5440	4710	3010	3100	2030			2720	1790	6590
– 1.5m (– 4.11ft)	5450*	5450*	8120*	5460	4670	2970	3090	2030			3070	2010	6038
– 3.0m (– 9.10ft)			6850*	5590	4650*	3050					3960*	2670	4986
– 4.5m (– 14.9ft)													

LIFT CAPACITIES – Dipper Length: 2.50m, 4.70m Monoboom, Trackshoes: 700mm, No bucket.

JZ140 MONO

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											2970*	2970*	3809
6.0m (19.8ft)					2880*	2880*					2380*	2380*	5530
4.5m (14.9ft)					3130*	3130*	3080*	2290			2200*	2000	6478
3.0m (9.10ft)			5340*	5340*	3870*	3450	3300	2220			2180	1720	6982
1.5m (4.11ft)			7530*	5740	4780*	3190	3180	2110			2290*	1620	7137
0m			6830*	5440	4720	3010	3090	2020			2500	1640	6969
– 1.5m (– 4.11ft)	5090*	5090*	8350*	5400	4640	2950	3060	1990			2770	1820	6450
– 3.0m (– 9.10ft)	9250*	9250*	7340*	5510	4690	2990					3530	2310	5480
– 4.5m (– 14.9ft)													

LIFT CAPACITIES – Dipper Length: 3.00m, 4.70m Monoboom, Trackshoes: 700mm, No bucket.

JZ140 MONO

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					2850*	2850*					2580*	2580*	4615
6.0m (19.8ft)					2400*	2400*	2500*	2330			2170*	2170*	6109
4.5m (14.9ft)					2690*	2690*	2730*	2320			2040*	1770	6978
3.0m (9.10ft)			4420*	4420*	3440*	3440*	3040*	2230			2030*	1540	7447
1.5m (4.11ft)			6900*	5880	4410*	3220	3180	2110	2260	1480	2120*	1450	7593
0m			7520*	5420	4710	3000	3070	2000			2240	1460	7435
– 1.5m (– 4.11ft)	4570*	4570*	8430*	5300	4590	2890	3010	1940			2450	1590	6951
– 3.0m (– 9.10ft)	7860*	7860*	7750*	5360	4590	2900	3040	1970			3000	1940	6064
– 4.5m (– 14.9ft)			5890*	5590	3670*	3060					3610	3030	4535

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: 2.10m, 4.70m Monoboom, Trackshoes: 700mm, No bucket.

JZ140 MONO + DOZER

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)			3920*	3920*							3940*	3940*	3046
6.0m (19.8ft)					3290*	3290*					2950*	2950*	5042
4.5m (14.9ft)			3900*	3900*	3460*	3460*	3170*	2370			2700*	2320	6068
3.0m (9.10ft)			6070*	6070*	4180*	3570	3540*	2320			2660*	1990	6604
1.5m (4.11ft)					5020*	3340	3480	2230			2800*	1860	6768
0m			6100*	5750	5180	3190	3400	2160			2990	1900	6590
– 1.5m (– 4.11ft)	5450*	5450*	8120*	5770	5130	3150	3400	2150			3370	2140	6038
– 3.0m (– 9.10ft)			6850*	5900	4650*	3220					3960*	2830	4986
– 4.5m (– 14.9ft)													

LIFT CAPACITIES – Dipper Length: 2.50m, 4.70m Monoboom, Trackshoes: 700mm, No bucket.

JZ140 MONO + DOZER

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											2970*	2970*	3809
6.0m (19.8ft)					2880*	2880*					2380*	2380*	5530
4.5m (14.9ft)					3130*	3130*	3080*	2410			2200*	2110	6478
3.0m (9.10ft)			5340*	5340*	3870*	3620	3330*	2340			2180*	1830	6982
1.5m (4.11ft)			7530*	6050	4780*	3370	3490	2230			2290*	1720	7137
0m			6830*	5750	5180	3190	3400	2150			2530*	1740	6969
– 1.5m (– 4.11ft)	5090*	5090*	8350*	5720	5110	3120	3360	2110			3040*	1930	6450
– 3.0m (– 9.10ft)	9250*	9250*	7340*	5820	4980*	3160					3780*	2440	5480
– 4.5m (– 14.9ft)													

LIFT CAPACITIES – Dipper Length: 3.00m, 4.70m Monoboom, Trackshoes: 700mm, No bucket.

JZ140 MONO + DOZER

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					2850*	2850*					2580*	2580*	4615
6.0m (19.8ft)					2400*	2400*	2500*	2450			2170*	2170*	6109
4.5m (14.9ft)					2690*	2690*	2730*	2450			2040*	1870	6978
3.0m (9.10ft)			4420*	4420*	3440*	3440*	3040*	2350			2030*	1640	7447
1.5m (4.11ft)			6900*	6190	4410*	3400	3480*	2230	2480	1580	2120*	1540	7593
0m			7520*	5730	5170	3170	3370	2120			2340*	1560	7435
– 1.5m (– 4.11ft)	4570*	4570*	8430*	5610	5050	3070	3310	2060			2700	1690	6951
– 3.0m (– 9.10ft)	7860*	7860*	7750*	5670	5060	3070	3340	2090			3300	2260	6064
– 4.5m (– 14.9ft)			5890*	5890*	3670*	3230					3610*	3200	4535

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: 2.10m, 5.00m T.A.B., Trackshoes: 700mm, No bucket.

JZ140 T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											3660*	3660*	3857
6.0m (19.8ft)					3070*	3070*					3060*	2450	5563
4.5m (14.9ft)			4130*	4130*	3350*	3350*	3050*	2160			2760*	1830	6506
3.0m (9.10ft)					4030*	3210	3170	2060			2440	1570	7008
1.5m (4.11ft)					4640	2900	3030	1930			2310	1470	7163
0m					4450	2720	2930	1840			2370	1490	6995
– 1.5m (– 4.11ft)			7370*	5030	4420	2690	2920	1830			2650	1680	6478
– 3.0m (– 9.10ft)					4410*	2800					3480*	2240	5343
– 4.5m (– 14.9ft)													

LIFT CAPACITIES – Dipper Length: 2.50m, 5.00m T.A.B., Trackshoes: 700mm, No bucket.

JZ140 T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					3190*	3190*					3030*	3030*	4541
6.0m (19.8ft)					2760*	2760*	2790*	2200			2450*	2150	6053
4.5m (14.9ft)					3070*	3070*	2830*	2210			2240*	1660	6929
3.0m (9.10ft)					3760*	3280	3100*	2090			2180*	1430	7401
1.5m (4.11ft)					4550*	2940	3040	1940	2160	1360	2130	1350	7548
0m					4460	2730	2930	1830			2170	1360	7389
– 1.5m (– 4.11ft)			7190*	4940	4390	2660	2880	1790			2440	1510	6902
– 3.0m (– 9.10ft)			6710*	5110	4460	2730	2990	1890			2990	1890	6007
– 4.5m (– 14.9ft)													

LIFT CAPACITIES – Dipper Length: 3.00m, 5.00m T.A.B., Trackshoes: 700mm, No bucket.

JZ140 T.A.B.

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					2560*	2560*					2640*	2640*	5298
6.0m (19.8ft)					2370*	2370*	2480*	2300			2230*	1840	6637
4.5m (14.9ft)					2700*	2700*	2550*	2250			2070*	1460	7443
3.0m (9.10ft)					3400*	3370	2860*	2120	2220	1420	2020	1270	7885
1.5m (4.11ft)					4230*	2990	3050	1950	2150	1350	1920	1200	8023
0m					4450	2710	2900	1810	2090	1300	1950	1200	7873
– 1.5m (– 4.11ft)			6700*	4800	4330	2600	2830	1740			2120	1310	7419
– 3.0m (– 9.10ft)			7100*	4920	4350	2630	2860	1770			2550	1590	6596
– 4.5m (– 14.9ft)													



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: 2.10m, 5.00m T.A.B., Trackshoes: 700mm, No bucket.

JZ140 T.A.B. + DOZER

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)											3660*	3660*	3857
6.0m (19.8ft)					3070*	3070*					3060*	2590	5563
4.5m (14.9ft)			4130*	4130*	3350*	3350*	3050*	2280			2760*	1940	6506
3.0m (9.10ft)					4030*	3380	3270*	2180			2660*	1670	7008
1.5m (4.11ft)					4750*	3070	3330	2050			2560	1560	7163
0m					4910	2900	3240	1960			2620	1590	6995
– 1.5m (– 4.11ft)			7370*	5340	4880	2870	3230	1950			2930	1790	6478
– 3.0m (– 9.10ft)					4410*	2980					3480*	2390	5343
– 4.5m (– 14.9ft)													

LIFT CAPACITIES – Dipper Length: 2.50m, 5.00m T.A.B., Trackshoes: 700mm, No bucket.

JZ140 T.A.B. + DOZER

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					3190*	3190*					3030*	3030*	4541
6.0m (19.8ft)					2760*	2760*	2790*	2320			2450*	2270	6053
4.5m (14.9ft)					3070*	3070*	2830*	2330			2240*	1760	6929
3.0m (9.10ft)					3760*	3460	3100*	2210			2180*	1530	7401
1.5m (4.11ft)					4550*	3120	3350	2060	2390	1450	2230*	1440	7548
0m					4920	2900	3230	1950			2380*	1460	7389
– 1.5m (– 4.11ft)			7190*	5250	4850	2840	3190	1920			2660	1610	6902
– 3.0m (– 9.10ft)			6710*	5420	4650*	2910	3090*	2010			3080*	2010	6007
– 4.5m (– 14.9ft)													

LIFT CAPACITIES – Dipper Length: 3.00m, 5.00m T.A.B., Trackshoes: 700mm, No bucket.

JZ140 T.A.B. + DOZER

Reach	1.5m (4ft 11in)		3m (9ft 10in)		4.5m (14ft 9in)		6m (19ft 8in)		7.5m (24ft 7in)		Capacity at Max Reach		
Load Point Ht.	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	kg	mm
7.5m (24.7ft)					2560*	2560*					2640*	2640*	5298
6.0m (19.8ft)					2370*	2370*	2480*	2420			2230*	1950	6637
4.5m (14.9ft)					2700*	2700*	2550*	2380			2070*	1560	7443
3.0m (9.10ft)					3400*	3400*	2860*	2240	2450	1510	2020*	1360	7885
1.5m (4.11ft)					4230*	3160	3250*	2070	2380	1450	2070*	1280	8023
0m					4860*	2890	3210	1930	2320	1390	2160	1290	7873
– 1.5m (– 4.11ft)			6700*	5110	4790	2780	3140	1860			2350	1410	7419
– 3.0m (– 9.10ft)			7100*	5230	4810*	2800	3170	1890			2820	1700	6596
– 4.5m (– 14.9ft)													

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.



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, tractors and compaction equipment.

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