STANDARD EQUIPMENT

ISO standard cabin
·Cabin FOPS (ISO 10262 Level I)
TOPS(ISO 12117)
·All-weather steel cab with all-around visibility
·Safety glass windows
·Sliding fold-in front window
·Sliding side window
·Lockable door
·Accessory box
·Centralized monitoring
·Gauges
Fuel level gauge
Engine coolant temperature gauge
·Warning
Engine oil pressure
Engine coolant temperature
Preheat
Low battery
Air cleaner closing
Fuel empty
·Door and locks, one key
· Radio / USB player
·Mechanical suspension seat with seat belt
·Console box tilting system(LH.)
·Two front working lights
·Electric horn
·Battery (1 x 12 V x 80 AH)
·Battery master switch
·Automatic swing brake
·Removable reservoir tank
·Water separator, fuel line
·Mono boom (1.945 m, 6' 5")
·Arm (1.12 m, 3' 8")
·Rubber crawler (250mm, 10")
·Single acting piping (Breaker, etc)
·Double acting piping (Clamshell, etc)

OPTIONAL EQUIPMENT

ISO standard canopy
·Canopy TOPS(ISO 12117)
·Beacon lamp
·Accumulator, work equipment
lowering
·Travel alarm
·Quick coupler
·Tool kit
·Long Arm (1.35m, 4'5")
·Heater & Defroster
·Lever pattern change valve
·Additional CWT

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.
* The photos may include attachments and optional equipment that are not available in your area.
* Materials and specifications are subject to change without advance notice.
* All imperial measurements rounded off to the nearest pound or inch.

PLEASE CONTACT

HYUNDAI CONSTRUCTION EQUIPMENT

www.hyundai-ce.com 2019. 06 Rev. 3

Robex

25Z-9A

With Tier 4 Interim Engine installed

MOVING YOU FURTHER

HYUNDAI CONSTRUCTION EQUIPMENT

*Photo may include optional equipment.

HYUNDAI
CONSTRUCTION EQUIPMENT

PRIDE AT WORK

Hyundai Heavy Industries strives to build state-of-the art earthmoving equipment to give every operator maximum performance, more precision, versatile machine preferences, and proven quality.
Moving you further !

Robex 25Z-9A

*Photo may include optional equipment.

Machine Walk-Around

Engine Technology
Proven, reliable, fuel efficient, low emission and low noise
Mitsubishi Tier 4 interim

Rugged Upper and Lower Frame
The upper frame is designed to be heavy duty to absorb high stress load on the job. X-leg center frame and reinforced box section track frame provide exceptional strength and longer service life to withstand tough working conditions.

Efficient Control System
Control devices are all conveniently located for improved operator comfort and productivity.
A safety lever on the left-side console is designed to prevent exiting the cabin while hydraulic controls are live.

Advanced Hydraulic System
The R25Z-9A hydraulic system is precision designed for fast operation with fine control capabilities.

Comfortable and Durable Cabin
The cabin is roomy and ergonomically designed, with reduced sound levels and good visibility. Both canopy and cabin style frames meet international standards TOPS, FOPS ensuring operator's safety.

Operator Convenience
The R25Z-9A features a suspension seat, foldable pedals for added space and multiple storage compartments.
The monitoring system includes seven warning indicators, water temperature gauge, fuel gauge and hour meter for productive, convenient operating.

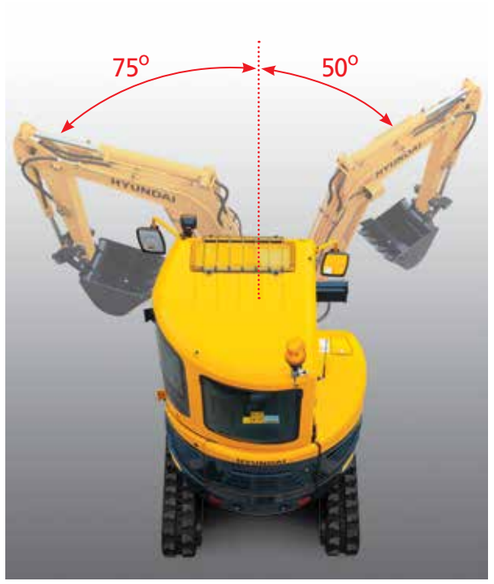
Easy and Simple Maintenance
An adjustable suspension seat, wrist rests, ergonomically designed joysticks and plenty of leg room help to reduce operator fatigue. A array of indicators and gauges are displayed on the monitor which keep the operator aware of machine performance at all times. The monitoring system includes seven warning indicators, water temperature gauge, fuel gauge and hour meter.

Extended Life of Components
The R25Z-9A reduces operating costs over time with long life hydraulic filters, hydraulic oil, shims and bushings.

PRECISION

Innovative hydraulic system technologies make the 9A series excavator fast, smooth and easy to control.

*Photo may include optional equipment.



Boom Swing

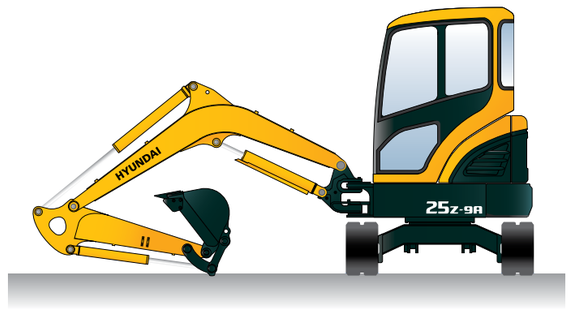
The R25Z-9A's boom swing function is designed for efficient work in congested residential and urban areas. The boom can be offset left or right within an operating range.

Dozer Blade

Large dozer blade provides added versatility, work efficiency and stability for the job.

Easy to transport

The new R25Z-9A can be moved on a small trailer, with a simple car driver's licence. No truck is required to easily transport the machine to a jobsite, and back to the yard.



Zero-tail Swing

R25Z-9A's short tail swing radius allows the operator work in confined areas like close to buildings on roadways, and in urban areas. This compact radius design provides easy and efficient operation in any limited space work environment.

Lever Pattern Change Valve

Joystick control patterns can be changed though an optional pattern change valve positioned for easy access.

PERFORMANCE

9A series is designed for maximum performance to keep the operator working productively.

*Photo may include optional equipment.

Cylinder Covers

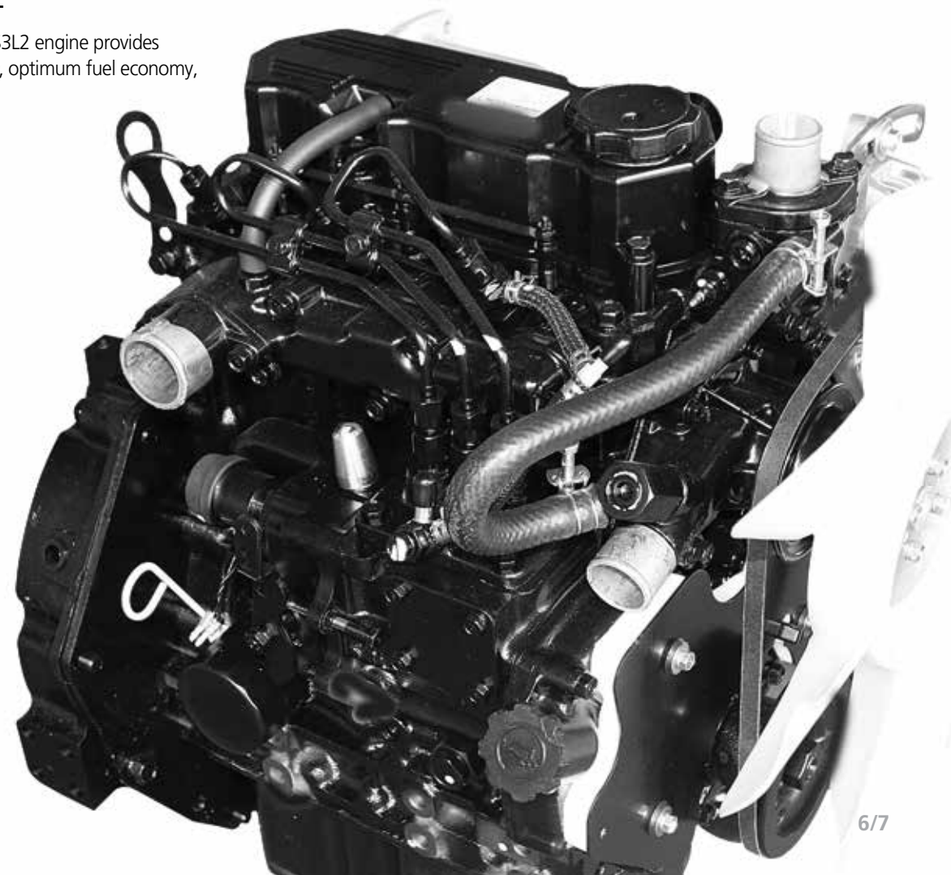
Standard boom and dozer cylinder covers provide added protection.

Structure Strength

The R25Z-9A cabin structure has been fitted with stronger but slimmer tubing for added safety and improved visibility. Low-stress, high strength steel is integrally welded to form a stronger, more durable upper and lower frame. Structural integrity was tested by way of FEM (Finite Elements Method) analysis and long-term durability tests.

Mitsubishi S3L2

Tier 4 certified, Mitsubishi S3L2 engine provides maximum power, reliability, optimum fuel economy, and reduced emissions.



PREFERENCE

Operating a 9A series is unique to every operator. Operators can fully customize their work environment and operating preferences to fit their individual needs.

*Photo may include optional equipment.

Monitor

The monitoring system of the R25Z-9A provides the operator with machine status information, including: engine oil pressure, battery charge, engine coolant temperature and a fuel gauge.

Comfortable Operating Cabin

In a 9A series cabin, you can easily adjust the seat and wrist rests settings to best suit your preferred operating condition.

1. All pedals are foldable for additional floor space. Foot rest, attachment pedal, left and right travel pedals and boom swing pedal are arranged for convenient access.
2. Two cup holders are integrated into the right console for large and small drink storage.
3. An additional storage box with key lock is accessible under the operator's seat.
4. Adjustable wrist rests provide additional comfort.
5. A sliding fold-in front window is easily opened and safely stored in an open position to improve ventilation and visibility.(Cabin type only)

Reduced Stress

An operator's work environment should be stress free. Hyundai's R25Z-9A compact excavator is designed for comfort, reduced sound and plenty of space to reduce stress on the operator.

Operator Comfort

The left and right control levers are ergonomically located for convenient access.
A safety lock system is designed to prevent exiting the cabin while hydraulic controls are live. When the safety lever and left side console are positioned upright, hydraulic functions are disengaged.

A tiltable left-side console make the operator easier to enter and exit the cab.

PROFITABILITY

9A series is designed to maximize profitability through improved efficiencies, enhanced service features and longer life components.

*Photo may include optional equipment.

Easy Change Air Cleaner

The R25Z-9A is equipped with a durable plastic air cleaner designed for easy maintenance.

Centralized Grease Fittings

A centralized lubrication bank is available for faster, easier service and maintenance.

Double Acting Pipe Selector

Double Acting Pipe located on front of the Fuel Tank for easy to access and control.

Easy Access

The R25Z-9A was built with accessibility in mind. All doors, covers and hoods were built for complete open access. Regular service and maintenance is easy and convenient with the R25Z-9A.

Long-Life Components

9A series excavators were designed with bushings designed for long-life lube intervals (250 hrs) & polymer shims (wear resistant, noise reducing), long-life hydraulic filters (1,000hrs), long-life hydraulic oil (5,000hrs), more efficient cooling systems and integrated preheating systems which extend service intervals, minimize operating costs and reduce machine down time.

Specifications

ENGINE

Model		Mitsubishi S3L2
Type		4 Cycle. In line, water cooled Diesel
Rated flywheel horse power		
SAE	J1995 (gross)	24.7 HP (18.4kW) at 2,300rpm
	J1349 (net)	23.1 HP (17.2kW) at 2,300rpm
DIN	627 1/1 (gross)	25.0 PS (18.4kW) at 2,300rpm
	627 1/1 (net)	23.4 PS (17.2kW) at 2,300rpm
Max. torque		8.0 kgf·m(58 lbf·ft) at 1,800 rpm
Bore x stroke		78mm x 92mm (3.07" x 3.62")
Piston displacement		1,318cc (80.4 in^3)
Batteries		12V - 80AH
Starting motor		12V - 1.7kW
Alternator		12V - 40A

HYDRAULIC SYSTEM

Main pumps	
Type	variable displacement piston pumps
Rated flow	2 x 27.6 + 19.6 L/min
Sub-pump for pilot circuit	Gear pump
Hydraulic motors	
Travel	Two speed axial piston motor with counter balance valve and parking brake
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	220 Kgf/cm^2 (3,130 psi)
Travel circuit	220 Kgf/cm^2 (3,130 psi)
Swing circuit	170 Kgf/cm^2 (2,420 psi)
Pilot circuit	30 Kgf/cm^2 (430 psi)
Service valve	Installed

HYDRAULIC CYLINDER

No. of cylinder - bore x stroke	
Boom	75 x 565 mm (3.0" x 22.2")
Arm	70 x 500 mm (2.8" x 19.7")
Bucket	60 X 420 mm (2.4" x 16.5")
Boom swing	75 X 400 mm (3.0" x 15.7")
Dozer blade	85 X 140 mm (3.3" x 5.5")

NOISE LEVEL(CAB)

Noise Levels (dynamic value)	
LwA	94dB
LpA	75dB

COOLANT & LUBLICANT CAPACITY

(refilling)	liter	US gal	UK gal
Fuel tank	30	7.9	6.6
Engine coolant	4.2	1.1	0.9
Engine oil	5.9	1.6	1.3
Hydraulic tank	27	7.1	5.9

TRAVEL LEVERS

Traveling and steering : Two levers with pedals.

CONTROL LEVERS

Type	
Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket with horn (ISO)
Engine throttle	Mechanical, cable type

SWING SYSTEM

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing circuit lubrication	Grease - bathed
Swing brake	Wet disc
Swing speed	9.1 rpm

DRIVES & BRAKES

Max. travel speed(high) / (low)	4.5km / 2.5km (2.8mph) / (1.6mph)
Maximum traction force	2.4ton
Maximum gradeability	30°
Parking brake	Wet disc

DIGGING FORCE(ISO)

Bucket	2,150 kgf
	21.1 kN
	4,740 lbf
Arm [Long Arm]	1,490 [1,310] kgf
	14.6 [12.8] kN
	3,280 [2,890] lbf

WEIGHT(APPROXIMATE)

Operating weight, including 1,945 mm (6' 5") boom, 1,120 mm (3' 8") arm, SAE heaped 0.07 m^3 (0.1 yd^3) excavator bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

Shoe Width		Rubber shoe 250 mm (10")
Operating Weight	Cabin	2,600 Kg (5,730lb)
	Canopy	2,450 Kg (5,400lb)
Ground Pressure	Cabin	0.33 kg / cm^2 (4.69psi)
	Canopy	0.31 kg / cm^2 (4.41psi)

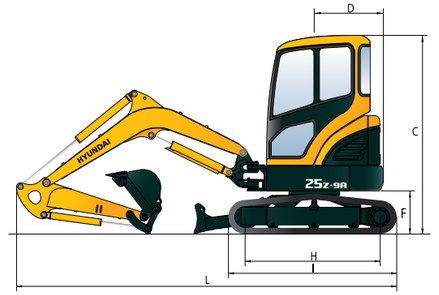
UNDERCARRIAGE

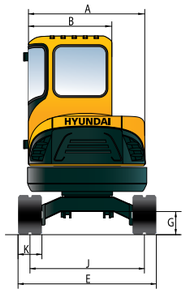
X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, track adjusters with shock absorbing springs and sprockets, and rubber shoes.

Center frame	X-leg type
Track frame	Pentagonal box type
No. of carrier roller on each side	1
No. of track roller on each side	3

Dimensions & Working Range

R25Z-9A DIMENSIONS



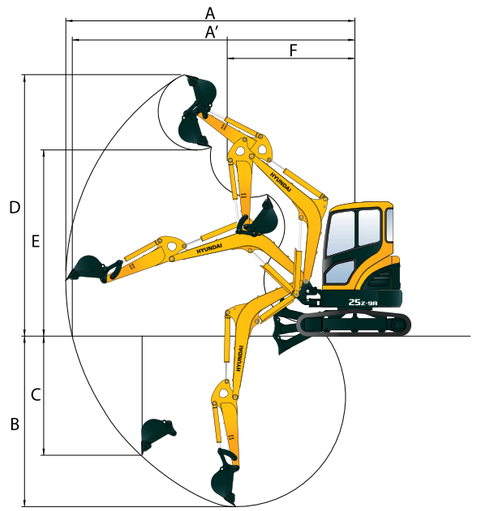


mm (ft·in)

A	Overall width of upper structure	1,485 (4' 10")	**G**	Ground clearance	290 (11")
B	Overall width of cab	1,050 (3' 5")	**H**	Tumbler distance	1,490 (4' 11")
C	Overall height of cab	2,500 (8' 2")	**I**	Track length	1,910 (6' 3")
D	Tail swing radius	775 (2' 7")	**J**	Track gauge	1,250 (4' 1")
	With additional counterweight	875 (2' 10")	**K**	Track shoe width	250 (10")
E	Overall width	1,500 (4' 11")	**L**	Overall length	4,030 (13' 3")
F	Clearance under counterweight	540 (1' 9")		Long Arm	4,100 (13' 5")

R25Z-9A WORKING RANGE

mm (ft·in)



	Boom length	1,945 (6' 5")
	Arm length	1,120 (3' 8") *1,350 (4' 5")
A	Max. digging reach	4,480 (14' 8") *4,680 (15' 4")
A'	Max. digging reach at ground	4,340 (14' 3") *4,540 (14' 11")
B	Max. digging depth	2,420 (7' 11") *2,645 (8' 8")
C	Max. vertical wall digging depth	1,460 (4' 9") *1,605 (5' 3")
D	Max. digging height	4.150 (13' 7") *4,235 (13' 11")
E	Max. dumping height	2,930 (9' 7") *3,030 (9' 11")
F	Min. swing radius	1,980 (6' 6") *1,970 (6' 6")

* Long Arm

Lifting capacity

R25Z-9A

Rating over-front Rating over-side or 360 degree

Boom : 1.945 m (6′ 5″) / Arm : 1.12 m (3′ 8″) / Bucket : 0.07 m³ SAE heaped / Dozer Down : 250mm(9.8″) Rubber track Cabin Type W/O ADD CWT

Load point height m(ft)		Load radius								At max. reach		
		2.0 m(5 ft)		2.5 m(10 ft)		3.0 m(10 ft)		3.5 m(10 ft)		Capacity		Reach
												m (ft)
3.5 m	kg									*550	400	2.88
10 ft	lb									*1210	880	(9.4)
3.0 m	kg					*660	360			*570	290	3.48
10 ft	lb					*1460	790			*1260	640	(11.4)
2.5 m	kg					*640	360			*580	240	3.85
10 ft	lb					*1410	790			*1280	530	(12.6)
2.0 m	kg			*740	490	*700	360	*680	270	*600	210	4.09
5 ft	lb			*1630	1080	*1540	790	*1500	600	*1320	460	(13.4)
1.5 m	kg	*1360	680	*970	470	*810	350	*730	260	*620	190	4.22
5 ft	lb	*3000	1500	*2140	1040	*1790	770	*1610	570	*1370	420	(13.8)
1.0 m	kg			*1220	450	*940	340	*790	260	*630	190	4.26
5 ft	lb			*2690	990	*2070	750	*1740	570	*1390	420	(14.0)
0.5 m	kg	*1310	610	*1380	430	*1040	330	*840	250	*650	190	4.22
0 ft	lb	*2890	1340	*3040	950	*2290	730	*1850	550	*1430	420	(13.8)
Ground	kg	*1760	600	*1450	430	*1080	320	*860	250	*670	190	4.09
Line	lb	*3880	1320	*3200	950	*2380	710	*1900	550	*1480	420	(13.4)
-0.5 m	kg	*1990	610	*1410	420	*1050	320			*690	210	3.86
-0 ft	lb	*4390	1340	*3110	930	*2310	710			*1520	460	(12.7)
-1.0 m	kg	*1740	610	*1250	430	*900	320			*690	250	3.49
-5 ft	lb	*3840	1340	*2760	950	*1980	710			*1520	550	(11.5)
-1.5 m	kg	*1250	630	*840	440					*650	350	2.90
-5 ft	lb	*2760	1390	*1850	970					*1430	770	(9.5)
-2.5 m	kg									*490	330	3.14
-10 ft	lb									*1080	730	(10.3)

Boom : 1.945 m (6′ 5″) / Arm : 1.12 m (3′ 8″) / Bucket : 0.07 m³ SAE heaped / Dozer up : 250mm(9.8″) rubber track . Cabin Type . W/O ADD CWT

Load point height m(ft)		Load radius								At max. reach		
		2.0 m(5 ft)		2.5 m(10 ft)		3.0 m(10 ft)		3.5 m(10 ft)		Capacity		Reach
												m (ft)
3.5 m	kg									460	400	2.88
10 ft	lb									1010	880	(9.4)
3.0 m	kg					410	360			330	290	3.48
10 ft	lb					900	790			730	640	(11.4)
2.5 m	kg					410	360			270	240	3.85
10 ft	lb					900	790			600	530	(12.6)
2.0 m	kg			560	490	410	360	310	270	240	210	4.09
5 ft	lb			1230	1080	900	790	680	600	530	460	(13.4)
1.5 m	kg	800	680	540	470	400	350	300	260	220	190	4.22
5 ft	lb	1760	1500	1190	1040	880	770	660	570	490	420	(13.8)
1.0 m	kg			520	450	380	340	290	260	210	190	4.26
5 ft	lb			1150	990	840	750	640	570	460	420	(14.0)
0.5 m	kg	730	610	500	430	370	330	290	250	210	190	4.22
0 ft	lb	1610	1340	1100	950	820	730	640	550	460	420	(13.8)
Ground	kg	720	600	490	420	370	320	290	250	220	190	4.09
Line	lb	1590	1320	1080	930	820	710	640	550	490	420	(13.4)
-0.5 m	kg	720	610	490	420	370	320			240	210	3.86
-0 ft	lb	1590	1340	1080	930	820	710			530	460	(12.7)
-1.0 m	kg	730	610	500	430	370	320			290	250	3.49
-5 ft	lb	1610	1340	1100	950	820	710			640	550	(11.5)
-1.5 m	kg	750	630	510	440					440	350	2.90
-5 ft	lb	1650	1390	1120	970					880	770	(9.5)
-2.5 m	kg									370	330	3.14
-10 ft	lb									820	730	(10.3)

1. Lifting capacity is based on SAE J1097, ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load point is a hook located (standard equipment) on the back of the bucket.
4. (*) indicates the load limited by hydraulic capacity.

Lifting capacity

Rating over-front Rating over-side or 360 degree

Boom : 1.945 m (6′ 5″) / Arm : 1.35 m (4′ 5″) / Bucket : 0.07 m³ SAE heaped / Dozer Down : 250mm(9.8″) rubber track. Cabin Type. W/O ADD CWT

Load point height m(ft)		Load radius										At max. reach		
		2.0 m(5 ft)		2.5 m(10 ft)		3.0 m(10 ft)		3.5 m(10 ft)		4.0 m(15 ft)		Capacity		Reach
														m (ft)
3.5 m	kg											*490	330	3.22
10 ft	lb											*1080	730	(10.6)
3.0 m	kg					*530	360					*510	250	3.74
10 ft	lb					*1170	790					*1120	550	(12.3)
2.5 m	kg					*530	370	*580	270			*530	210	4.07
10 ft	lb					*1170	820	*1280	600			*1170	460	(13.4)
2.0 m	kg					*610	360	*610	270			*540	190	4.29
5 ft	lb					*1340	790	*1340	600			*1190	420	(14.1)
1.5 m	kg	*1060	700	*840	480	*730	350	*670	260	*580	200	*560	180	4.42
5 ft	lb	*2340	1540	*1850	1060	*1610	770	*1480	570	*1280	440	*1230	400	(14.5)
1.0 m	kg	*1660	650	*1100	450	*870	340	*740	260	*670	200	*580	170	4.46
5 ft	lb	*3660	1430	*2430	990	*1920	750	*1630	570	*1480	440	*1280	370	(14.6)
0.5 m	kg	*1680	610	*1310	430	*990	320	*810	250	*680	200	*610	170	4.42
0 ft	lb	*3700	1340	*2890	950	*2180	710	*1790	550	*1500	440	*1340	370	(14.5)
Ground	kg	*1830	600	*1420	420	*1060	320	*850	250			*630	180	4.30
Line	lb	*4030	1320	*3130	930	*2340	710	*1870	550			*1390	400	(14.1)
-0.5 m	kg	*2080	600	*1430	420	*1070	310	*830	240			*650	190	4.08
-0 ft	lb	*4590	1320	*3150	930	*2360	680	*1830	530			*1430	420	(13.4)
-1.0 m	kg	*1890	600	*1330	420	*990	310					*670	200	3.75
-5 ft	lb	*4170	1320	*2930	930	*2180	680					*1480	490	(12.3)
-1.5 m	kg	*1520	610	*1070	430							*670	280	3.24
-5 ft	lb	*3350	1340	*2360	950							*1480	620	(10.6)

Boom : 1.945 m (6′ 5″) / Arm : 1.35 m (4′ 5″) / Bucket : 0.07 m³ SAE heaped / Dozer Up : 250mm(9.8″) rubber track. Cabin Type. W/O ADD CWT

Load point height m(ft)		Load radius										At max. reach		
		2.0 m(7 ft)		2.5 m(8 ft)		3.0 m(10 ft)		3.5 m(11 ft)		4.0 m(13 ft)		Capacity		Reach
														m (ft)
3.5 m	kg											380	330	3.22
10 ft	lb											840	730	(10.6)
3.0 m	kg					420	360					290	250	3.74
10 ft	lb					930	790					640	550	(12.3)
2.5 m	kg					420	370	310	270			240	210	4.07
10 ft	lb					930	820	680	600			530	460	(13.4)
2.0 m	kg					410	360	310	270			210	190	4.29
5 ft	lb					900	790	680	600			460	420	(14.1)
1.5 m	kg	820	700	550	480	400	350	300	260	230	200	200	170	4.42
5 ft	lb	1810	1540	1210	1060	880	770	660	570	510	440	440	370	(14.5)
1.0 m	kg	770	650	530	450	390	340	290	260	230	200	190	170	4.46
5 ft	lb	1700	1430	1170	990	860	750	640	570	510	440	420	370	(14.6)
0.5 m	kg	730	610	500	430	370	320	290	250	220	200	190	170	4.42
0 ft	lb	1610	1340	1100	950	820	710	640	550	490	440	420	370	(14.5)
Ground	kg	720	600	490	420	360	320	280	250			200	180	4.30
Line	lb	1590	1320	1080	930	790	710	620	550			440	400	(14.1)
-0.5 m	kg	710	600	490	420	360	310	280	240			220	190	4.08
-0 ft	lb	1570	1320	1080	930	790	680	620	530			490	420	(13.4)
-1.0 m	kg	720	600	490	420	360	310					250	220	3.75
-5 ft	lb	1590	1320	1080	930	790	680					550	490	(12.3)
-1.5 m	kg	730	610	490	430							330	280	3.24
-5 ft	lb	1610	1340	1080	950							730	620	(10.6)

1. Lifting capacity is based on SAE J1097, ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of the tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load point is a hook located (standard equipment) on the back of the bucket.
4. (*) indicates the load limited by hydraulic capacity.