



Robex 320LC-7A

Standard Equipment

- ISO standard cab**
 - All-weather steel cab with all-around visibility
 - Safety glass windows
 - Rise-up type windshield wiper
 - Sliding fold-in front window
 - Sliding side window
 - Lockable door
 - Hot & cool box
 - Accessory box & Ash-tray
- Computer Aided Power Optimization (Advanced CAPO) system**
 - 2-power mode, 3-work mode, 2-user mode
 - Auto deceleration & one touch deceleration system
 - Auto warm up system
 - Auto overheat prevention system
- Heater & Defroster (7500 kcal/hr, 30000 BTU/hr)**
- Self diagnostic system**
- AM/FM radio and cassette**
 - Radio remote switch
- Centralized monitoring**
 - LCD display
 - Engine speed
 - Clock & Error code
 - Gauges
 - Fuel level gauge
 - Engine coolant temperature gauge
 - Hyd. oil temperature gauge
 - Warning
 - Fuel level
 - Check CPU
 - Engine oil pressure
 - Engine coolant temperature
 - Hyd. oil temperature
 - Low battery
 - Air cleaner clogging
 - Indicator
 - Power boost.
 - Preheat & Engine warming-up
 - One touch deceleration
- Door and cab locks, one key**
- Two outside rearview mirrors**
- Fully adjustable suspension seat with seat belt**
- Slidable joystick, pilot-operated**
- Console box tilting system (LH.)**
- Three front working lights**
- Electric horn**
- Batteries (2 x 12V x 160AH)**
- Battery master switch**
- Removable clean out screen for oil cooler**
- Automatic swing brake**
- Removable reservoir tank**
- Water separator & fuel pre-filter, fuel line**
- Boom holding system**
- Arm holding system**
- Counterweight (6200kg, 13670lb)**
- Boom (6.45m, 21' 2")**
- Arm (3.2m, 10' 6")**
- Track shoes (600mm, 24")**
- Track rail guard**
- Travel alarm**
- Fuel warmer**

Optional Equipment

- Air-conditioner (5000 kcal/hr, 20000 BTU/hr)**
- FATC (Full Automatic Temperature Control)**
- Cabin FOPS/FOG (ISO 10262)**
- Cabin roof-cover transparent type**
- Cabin lights**
- Sun visor for cabin inside**
- Fuel filler pump (35 l/min, 9.2 USgpm)**
- Beacon lamp**
- Safety lock valve for boom cylinder with overload warning device**
- Safety lock valve for arm cylinder**
- Single acting piping kit (breaker, etc)**
- Double acting piping kit (clamshell, etc)**
- Accumulator, work equipment lowering**
- 12 volt power outlet (24V to 12V DC converter)**
- Electric transducer**
- CD Player**
- Various optional Arms**
 - Super short arm (2.2m, 7' 3")
 - Short arm (2.5m, 8' 2")
 - Long arm (4.05m, 13' 3")
- Various optional Buckets (SAE heaped)**
 - Standard bucket (1.44m³, 1.88yd³)
 - Narrow bucket (0.90m³, 1.18yd³)
 - Narrow bucket (1.14m³, 1.49yd³)
 - Light duty bucket (1.74m³, 2.28yd³)
 - Light duty bucket (2.10m³, 2.75yd³)
 - Heavy duty bucket (1.44m³, 1.88yd³)
 - Rock bucket (1.44m³, 1.88yd³)
 - Rock bucket (1.73m³, 2.26yd³)
- Track shoes**
 - Triple grousers shoe (700mm, 28")
 - Triple grousers shoe (800mm, 32")
 - Triple grousers shoe (900mm, 36")
 - Double grousers shoe (710mm, 28")
- Special cowl(Tropical)**
 - Louver type side cover(RH)
 - Fan drive ratio (1:1:1)
- Low noise kit**
- Tool kit**
- Operator suit**
- Lower frame under cover**
- Seat**
 - Adjustable air suspension seat
 - Mechanical suspension seat with heater
 - Adjustable air suspension with heater



Building a better future
Global Leader

Robex NEW 7A SERIES

CRAWLER EXCAVATOR Applied Tier 3 Engine

320LC-7A



Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine shown may vary according to International standards.
All US measurement rounded off to nearest pounds or inches.

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HYUNDAI
HEAVY INDUSTRIES CO., LTD.

Some of the photos may include optional equipment.

Built for Maximum Power, Performance, Reliability.

A new chapter in construction equipment has now begun.
Making the dream a reality.



Robex 320LC-7A

■ Some of the photos may include optional equipment.

Operator's Comfort is Foremost.
Wide Cab Exceeds Industry Standards.

Technology in Cab Design



Visibility

- Even more visibility than before, for safer, more efficient operating.



Excellent Ventilation

- Ventilation has been improved by the addition of the larger fresh air intake system, and by providing additional air flow throughout the cab.
- Sliding front and side windows provide improved ventilation.
- A large sunroof offers upward visibility and additional ventilation.



Comfortable Operator Environment

- The control levers and seat can be adjusted to provide maximum operator comfort.
- The seat is fully adjustable for optimum operating position, reducing operator fatigue.
- Console boxes slide forward and backward for improved accessibility.
- The proportional pressure controls reduce unnecessary exertion while ensuring precise operation.
- Large windows allow excellent visibility in all directions.



Low noise design

- The Robex new 7A series was designed with low operation noise in mind.
- Hyundai engineering helps to keep interior and exterior noise levels to a minimum.
- The cab's noise levels have been additionally reduced by improving the door seals for the cab and engine compartments.
- An insulated diesel engine compartment with sound-damping material also reduces noise.



1 Wide, Comfortable Operating Space
2 Steel Cover Sunroof
3 Dial Type Engine Speed Switch and Key Switch

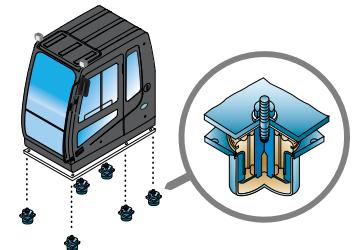
Remote Radio Control and Deluxe Cassette





Improved Intelligent Display

Instrument Panel is installed in front of RH console box.
It is easy to check all critical systems with easy-to-read indicators.



Minimization of Shock and Vibration through Cab Mounting System

The application of Viscous Mounting to the cabin support provides the operator with a much improved ride. The operator work efficiency will increase as the shock and noise level in the cabin decreases.



Maximum Protection

Operating Environment



▲ Storage box and Cup Holder

An Additional storage box and cup holder are located behind operator's seat, and it keeps food and beverages cool or hot.

◀ Wide Cab with Excellent Visibility

The cab is roomy and ergonomically designed with low noise level and good visibility. A full view front window and large rear and side windows provide excellent visibility in all directions.



Highly Sensitive Joystick and Easy Entrance

New joystick grips for precise control have been equipped with 4 switches.

Left	Power boost/Dummy One touch deceleration
Right	Horn/Optional/Dummy



Easy-to-Reach Control Panels

Switches and other essential controls are located near the operator.

This helps keep operator movement to a minimum, enhancing control with less operator fatigue.



Rear Emergency Exit Window

Rear Exit Window is designed with easy exit for operator's safety.



Raise-up Wiper and Cabin Lights

Raise-up wiper has enhanced for the better front view. Cabin Lights enhances safety by brightly lighting the surroundings during night work(optional).



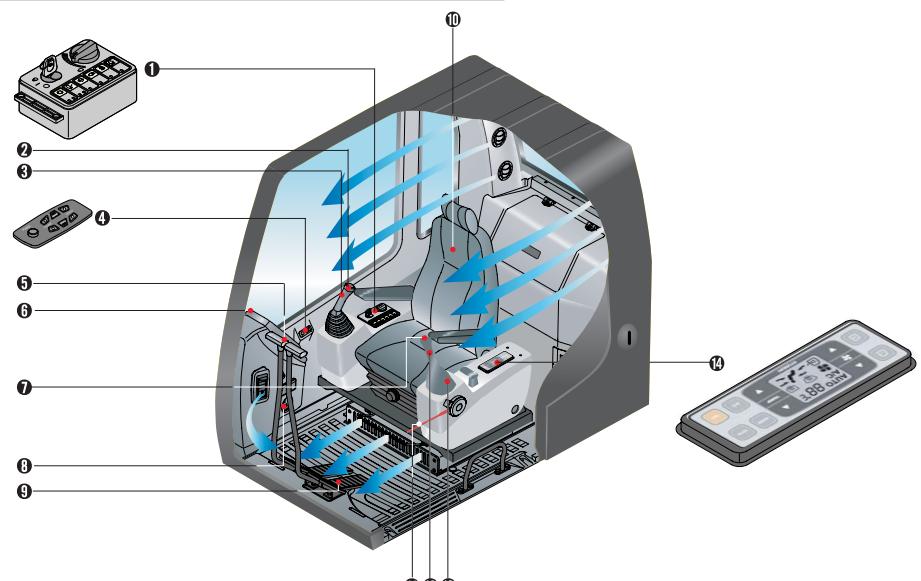
Wide, Comfortable Operating Space

All the controls are designed and positioned according to the latest ergonomic research. Reinforced pillars have also been added for greater cab rigidity.

Smooth Travel Pedal and Foot Rests



The best working conditions in a pleasant environment.



- ① Centralized control panel
- ② Horn button
- ③ Option button
- ④ Remote Radio control
- ⑤ Travel lever
- ⑥ Cluster
- ⑦ One touch decel button
- ⑧ Hour meter
- ⑨ Travel pedal
- ⑩ Fully adjustable suspension seat
- ⑪ Safety lever
- ⑫ Power boost button
- ⑬ Joystick control lever
- ⑭ Air Conditioner and Heater controller



Automatic Engine Overheat Prevention

If the engine coolant temperature gets too high, the CPU controller lowers the engine speed and cools the engine.



Anti Restart System

The new system protects the starter from re-starting during engine operation, even if the operator accidentally turns the start key again.



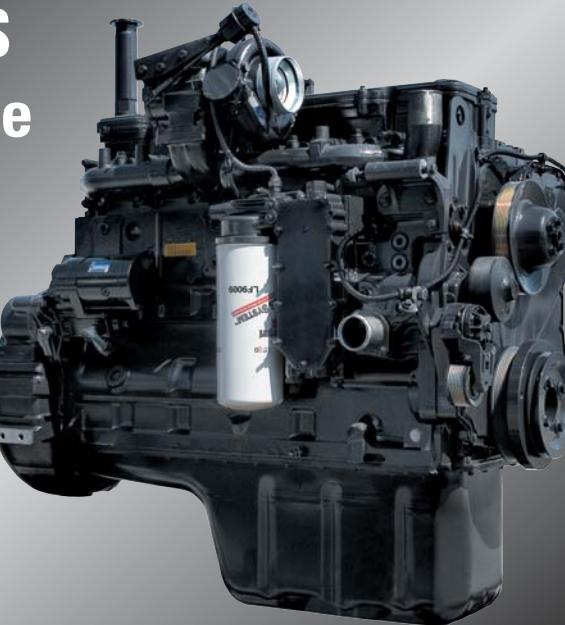
Power boost control System

When the power boost system is activated, digging power increases about 10%. It is especially useful when extra power is temporarily needed, for instance, when digging hard earth and rock, or if the bucket teeth are stopped by a stubborn tree root.



CUMMINS QSC Engine

The six cylinders, turbocharged, 4 cycle, Charger air cooled engine is built for power, reliability, economy and low emissions. This engine meets TierIII emissions regulations.

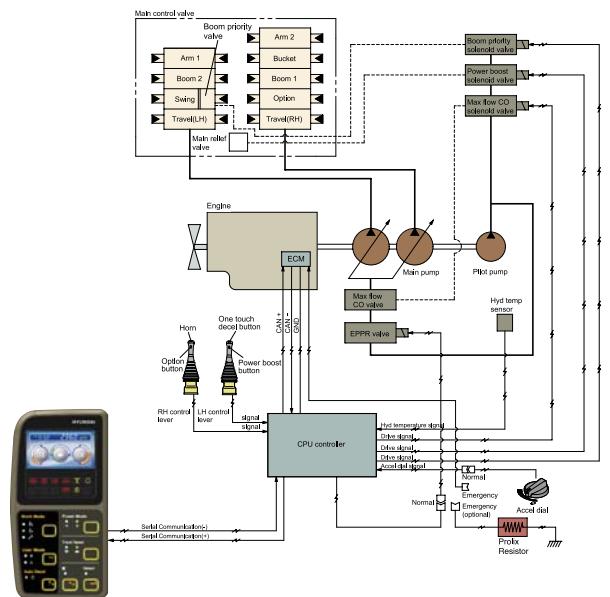


It's not just a workhorse, It's a clydesdale
The QSC from Cummins. With advanced electronics. Higher torque. Better throttle response. Shorter service times. Longer maintenance intervals. Increased fuel economy. Decreased noise. Diagnostics. Prognostics. Engine protection, and more. All wrapped up in something we call the Quantum system.

The result is an engine that's a quantum leap ahead of both the C8.3-C and competitive power plants. The QSC is built to withstand the toughest work environment. Bearings have more surface area to handle higher loads with greater durability. The exhaust manifold allows for heat expansion and contraction, eliminating metal stress fractures. Reduced friction in the power cylinder means longer life and increased power output. From the structurally reinforced block to the stiffened gear housing, the QSC is built stronger to last longer.

Advanced Hydraulic System

ADVANCED CAPO SYSTEM



The advanced CAPO(Computer Aided Power Optimization) system maintains engine and mutual pump power at optimum levels. Mode selections are designed for various work loads and maintaining high performance while reducing fuel consumption. Features such as auto deceleration and power boost are included in the system. The system monitors engine speed, coolant temperature, and hydraulic oil temperature. Contained within the system are self diagnostic capabilities which are displayed by error codes on the cluster.

Self Diagnosis System

The CPU controller diagnoses problems in the CAPO system caused by electric and hydraulic malfunctions and displays them on the LCD monitor of the cluster through error codes. This controller has the capacity to identify 48 distinct types of errors. As the information from this device, such as engine rpm, main pump delivery pressure, battery voltage, hyd. temperature, and the state of all types of electric switches, provides the operator with a much more exact state of machine operating condition. This makes the machine easier to troubleshoot when anything does go wrong.

One Touch Decel System

When the one touch decel switch is pressed, CPU controller controls the accel actuator to reduce engine speed to 800 rpm. And then the one touch decel switch is pressed again, the engine speed recovers.

Pump Flow Control System

In neutral position: Pump flow is reduced to a minimum to eliminate power loss. In operation: Maximum pump flow is delivered to the actuator to increase the speed. With movement of the control lever, pump flow is automatically adjusted and the actuator speed can be proportionally controlled.

Boom & Arm Holding System

The Holding valves in the main control valve prevents the boom & arm from dropping over an extended period in neutral position.

Arm Flow Regeneration System

Arm flow regeneration valve provides smooth arm-in operation without cavitation.

Hydraulic Damper in Travel Pedal

Improved travel controllability & feeling by shock reducing when starting and stopping.

NEW MODE CONTROL SYSTEM



Auto Deceleration System



When remote-control valves are in neutral position more than 4 seconds, CPU controller instructs the accel actuator to reduce engine speed to 1100rpm. This decreases fuel consumption and reduces cab noise levels.

Max. Flow Cut-off System

For precise control and finishing work, the Max. Flow Cut-off System reduces pump flow, thus allowing smooth operation.

1 POWER MODE
H mode: High power S mode: Standard power

2 WORK MODE
Heavy duty work General work Breaker

3 USER MODE
M mode: Maximum Power
U mode : Memorizing Operator's Preferable Power Setting

Increased Higher Performance



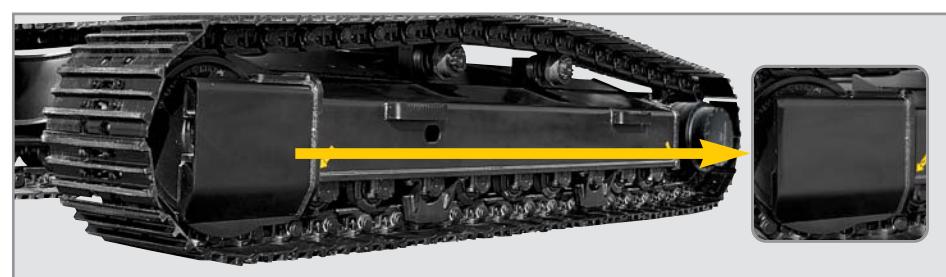
Reinforced Bucket and Bucket Linkage

Sealed and adjustable bucket linkage provides less wear of pins and bushes as well as silent operation. The design includes bucket link durability and anti wear characteristics. Additional reinforcement plates on cutting edge section. Reinforced bucket is made with thicker steel and additional lateral plate.



Strong and Stable Lower Frame

Reinforced box-section frame is all welded, low-stress, high-strength steel. It guarantees safety and resistance against external impact when driving on rough ground and working on wet sites through high tensile strength steel panels, with highly durable upper and lower rollers and track guards. Long undercarriage incorporates heavy duty excavator style components. X-leg type center frame is integrally welded for maximum strength and durability.



Track Rail Guide & Adjusters

Durable track rail guides keep track links in place. Track adjustment is made easy with standard grease cylinder track adjusters and shock absorbing springs. (Full Track Guide : Option)

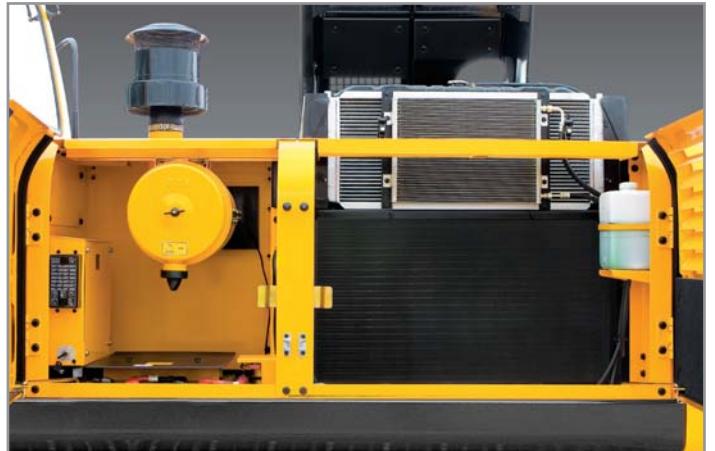
Powerful and Precise Swing Control

Improved shock absorbing characteristics make stopping a precise and smooth action



Full open doors and master key system provide easy access for servicing.

Reliability & Serviceability



Side Cover with Left & Right Swing Open Type

Easy access to vital components gives unrestricted view of component allows easy maintenance and repair.



Easy to maintain engine components

The cooling and preheating system are provided for optimum and immediate operation, guaranteeing longer life for the engine and hydraulic components. Servicing of the engine and hydraulics is considerably simplified due to total accessibility.



Centralized Electric Control Box and Easy to Change Air Cleaner Assembly

Electric control box and Air cleaner are centralized in one or the same compartment for easy service.



Highly efficient Hydraulic Pump

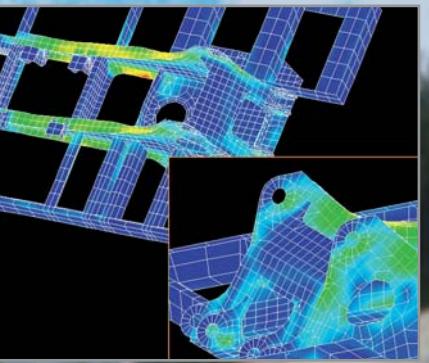
Pump output capacity has been increased.



Large tool box for extra storage



Durability of structure proven through FEM(Finite Element Method) analysis and long term durability test.



Specifications

Backhoe attachment



Engine

Model		Cummins QSC
Type		Watercooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged, Charger air cooled, Low emission
Rated flywheel horse power	SAE	J1995 (gross) 258 HP (193 kW) at 1,750 rpm J1349 (net) 237 HP (177 kW) at 1,750 rpm
	DIN	6271/1 (gross) 262 PS (193 kW) at 1,750 rpm 6271/1 (net) 240 PS (177 kW) at 1,750 rpm
	Max. torque 114.8 kgf-m(830 lbf-ft) at 1,500 rpm	
	Bore x stroke 114 x 135 mm (4.5" x 5.3")	
Piston 8,300 cc (506 cu in)		
Batteries 2 x 12 V x 160 AH		
Starting motor 24 V, 7.5 kW		
Alternator 24 V, 50 Amp		



Main pump	
Type	Two variable displacement piston pumps
Max. flow	2 x 260 ℥ /min (68.7 US gpm / 57.2 UK gpm)
Sub-pump for pilot circuit	Gear pump
Cross-sensing and fuel saving pump system	
Hydraulic motors	
Travel	Two speed axial piston motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	330 kgf/cm² (4690 psi)
Travel	330 kgf/cm² (4690 psi)
Power boost (boom, arm, bucket)	360 kgf/cm² (5120 psi)
Swing circuit	265 kgf/cm² (3770 psi)
Pilot circuit	35 kgf/cm² (500 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore x rod x stroke	Boom: 2-150 x 105 x 1,480 mm (5.9" x 4.1" x 58.3") Arm: 1-160 x 110 x 1,685 mm (6.3" x 4.3" x 66.3") Bucket: 1-140 x 100 x 1,285 mm (5.5" x 3.9" x 50.6")



Drive method		Fully hydrostatic type	
Drive motor		Axial piston motor, in-shoe design	
Reduction system		Planetary reduction gear	
Max. drawbar pull		29,000 kgf (62,830 lbf)	
Max. travel speed(high) / (low)		5.3 km/hr (3.4 mph) / 3.1 km/hr (2.0 mph)	
Gradeability		35° (70 %)	
Parking brake		Multi wet disc	
Control			
Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.			
Pilot control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket(ISO)		
Traveling and steering	Two levers with pedals		
Engine throttle	Electric, Dial type		
External Lights	Two lights mounted on the boom one under the battery box		



Swing system

Swing motor	Axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.1 rpm



(refilling)	liter	US gal	UK gal
Fuel tank	480	126.8	105.6
Engine coolant	45.0	11.9	9.9
Engine oil	35	9.2	7.7
Swing device	11	1.8	1.5
Final drive(each)	5.5	2.9	2.4
Hydraulic system(including tank)	320	84.5	70.4
Hydraulic tank	210	55.5	46.2



X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing spring and sprockets, and track chain with double or triple grouser shoes.

Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	48
No. of carrier roller on each side	2
No. of track roller on each side	9
No. of track guard on each side	2



Operating weight, including 6,450mm(21' 2") boom, 3,200m (10' 6") arm, SAE heaped 1.44m³ (1.88 yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.



Upperstructure	8,320kg (1,8340lb)
Counterweight	6,200kg (1,3670lb)
Boom (with Arm cylinder)	3,030kg (6,680lb)



Shoes		Operating weight	Ground pressure
Type	Width mm(in)	kg(lb)	kgf/cm²(psi)
* 600 (24)	R320LC-7A	32,200 (71,000)	0.62 (8.82)
	R320NLC-7A	32,000 (70,500)	0.61 (8.67)
	R320LC-7A H/C	34,700 (76,500)	0.67 (9.53)
Triple grouser 700 (28)	R320LC-7A	32,800 (72,300)	0.54 (7.68)
	R320LC-7A H/C	35,300 (77,800)	0.58 (8.25)
800 (32)	R320LC-7A	33,200 (73,200)	0.48 (6.83)
	R320LC-7A H/C	35,700 (78,700)	0.51 (7.25)
	R320LC-7A	33,600 (74,100)	0.43 (6.11)
Double grouser 710 (28)	R320LC-7A H/C	35,900 (79,100)	0.58 (8.25)

* Standard equipment



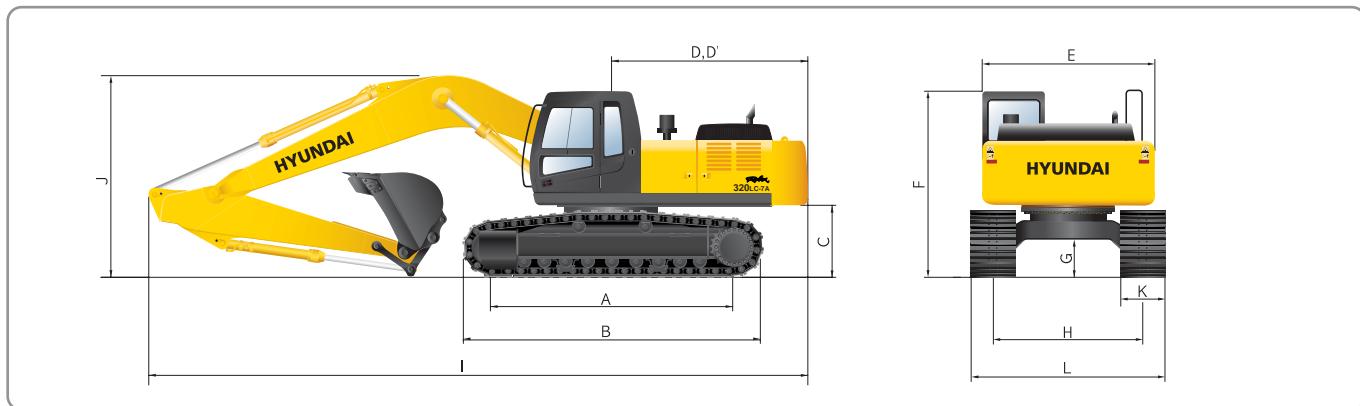
Buckets

SAE heaped m³(yd³)	0.90(1.18)	1.14(1.49)	※1.44(1.88)	1.74(2.28)	2.10(2.75)	□1.44(1.88)	○1.44(1.88)
						○1.73(2.26)	

Capacity m³(yd³)		Width mm (in)		Weight kg(lb)	Recommendation mm(ft-in)				6,150 (20' 2")
SAE heaped	CECE heaped	Without side cutters	With side cutters		Boom	2,200 (7' 3")	2,500 (8' 2")	※3,200 (10' 6")	
0.90 (1.18)	0.80 (1.05)	950 (37.4)	1,070 (42.1)	870 (1920)	●	●	●	●	●
1.14 (1.49)	1.00 (1.31)	1,110 (43.7)	1,230 (48.4)	980 (2160)	●	●	●	●	●
※1.44 (1.88)	1.25 (1.63)	1,380 (54.3)	1,500 (59.1)	1,110 (2450)	●	●	■	▲	●
1.74 (2.28)	1.50 (1.96)	1,620 (63.8)	1,740 (68.5)	1,230 (2710)	■	■	▲	-	●
2.10 (2.75)	1.80 (2.35)	1,910 (75.2)	2,030 (79.9)	1,370 (3020)	▲	▲	-	-	■
□1.44 (1.88)	1.25 (1.63)	1,470 (57.9)	-	1,380 (3040)	●	●	■	-	●
○1.44 (1.88)	1.25 (1.63)	1,470 (57.9)	-	1,470 (3240)	●	●	■	-	●
○1.73 (2.26									

Dimensions & Working ranges

Dimensions R320LC-7A / R320NLC-7A



mm (ft · in)

A	Tumbler distance	R320LC-7A	4,030	(13' 3")
		R320NLC-7A	4,030	(13' 3")
B	Overall length of crawler		4,940	(16' 2")
C	Ground clearance of counterweight		1,200	(3' 11")
D	Tail swing radius		3,330	(10' 11")
D'	Rear-end length		3,265	(10' 9")
E	Overall width of upperstructure		2,980	(9' 9")
F	Overall height of cab		3,090	(10' 2")
G	Min. ground clearance		500	(1' 8")
H	Track gauge	R320LC-7A	2,680	(8' 10")
		R320NLC-7A	2,390	(7' 10")

mm (ft · in)

K	Track shoe width		6,450 (21' 2")		6,150 (20' 2")
			Arm length	Overall length	
I	Overall height of boom		2,200 (7' 3")	11,230 (36' 10")	4,050 (13' 3")
J	Overall height of boom		2,500 (8' 2")	11,100 (36' 5")	2,200 (7' 3")
	Overall width	R320LC-7A	3,200 (10' 9")	10,980 (36' 0")	3,200 (10' 6")
		R320NLC-7A	2,990 (9' 10")	-	4,050 (13' 3")

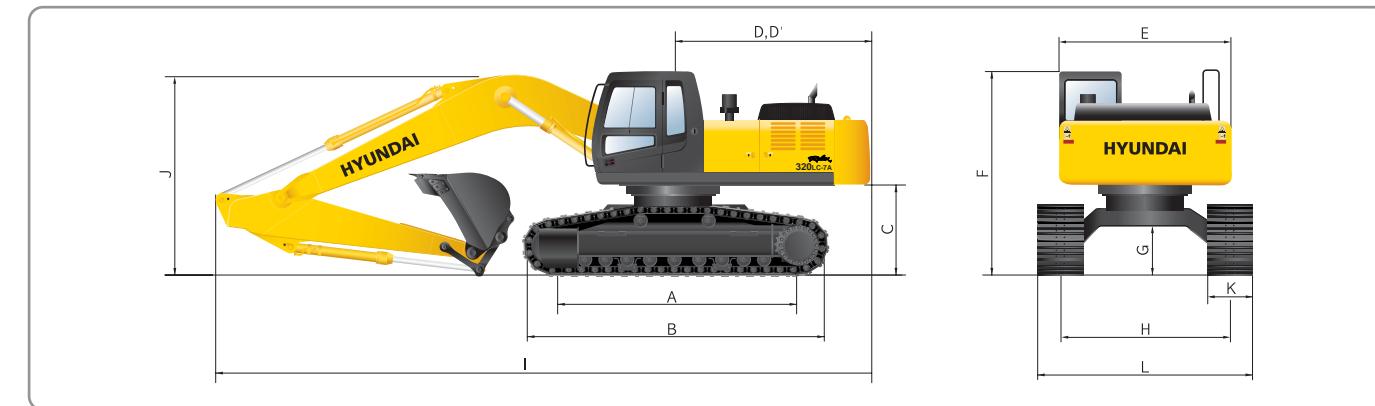
* Standard Equipment

mm (ft · in)

A	Boom length		6,450(21' 2")		6,150(20' 2")
			Arm length	Overall length	
A	Max. digging reach		2,200 (7' 3")	10,330 (33' 11")	2,200 (7' 3")
A'	Max. digging reach on ground		2,500 (8' 2")	10,550 (34' 7")	3,200 (10' 6")
B	Max. digging depth		3,200 (10' 6")	11,140 (36' 7")	4,050 (13' 3")
B'	Max. digging depth (8' level)		4,050 (13' 3")	11,950 (39' 2")	2,200 (7' 3")
C	Max. vertical wall digging depth		4,470 (14' 8")	10,020 (32' 10")	765 (2' 6")
D	Max. digging height		4,470 (14' 8")	10,020 (32' 10")	765 (2' 6")
E	Max. dumping height		4,470 (14' 8")	10,020 (32' 10")	765 (2' 6")
F	Min. swing radius		4,470 (14' 8")	10,020 (32' 10")	765 (2' 6")

* Standard Equipment

Dimensions R320LC-7A High Chassis



mm (ft · in)

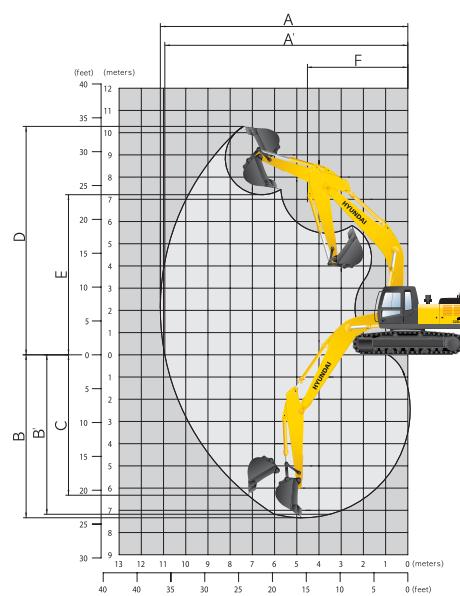
A	Tumbler distance		4,030	(13' 3")
B	Overall length of crawler		4,940	(16' 2")
C	Ground clearance of counterweight		1,500	(4' 11")
D	Tail swing radius		3,330	(10' 11")
D'	Rear-end length		3,265	(10' 9")
E	Overall width of upperstructure		2,980	(9' 9")
F	Overall height of cab		3,390	(11' 1")
G	Min. ground clearance		765	(2' 6")
H	Track gauge		2,870	(9' 5")

mm (ft · in)

K	Track shoe width		6,450 (21' 2")		6,150 (20' 2")
			Arm length	Overall length	
I	Overall height of boom		2,200 (7' 3")	11,220 (36' 10")	3,200 (10' 6")
J	Overall height of boom		2,500 (8' 2")	11,100 (36' 5")	4,050 (13' 3")
K	Track shoe width	R320LC-7A	3,280 (10' 9")	10,910 (35' 10")	2,200 (7' 3")
L	Overall width	R320NLC-7A	2,990 (9' 10")	-	3,200 (10' 6")

* Standard Equipment

Working ranges R320LC-7A / R320NLC-7A

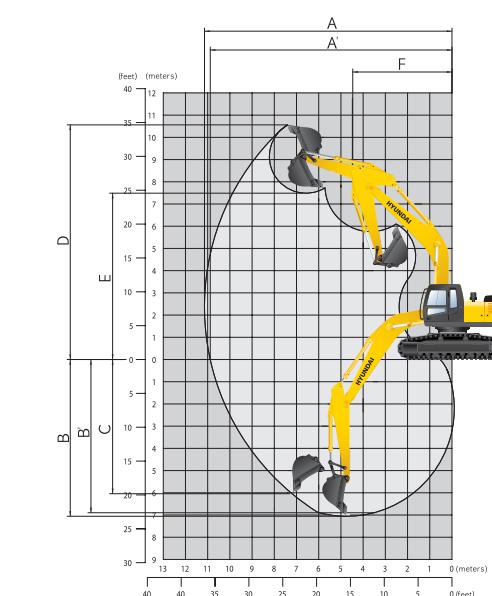


mm (ft · in)

A	Boom length		6,450(21' 2")		6,150(20' 2")
			Arm length	Overall length	
A	Max. digging reach		2,200 (7' 3")	10,330 (33' 11")	2,200 (7' 3")
A'	Max. digging reach on ground		2,500 (8' 2")	10,550 (34' 7")	3,200 (10' 6")
B	Max. digging depth		3,200 (10' 6")	11,140 (36' 7")	4,050 (13' 3")
B'	Max. digging depth (8' level)		4,050 (13' 3")	11,950 (39' 2")	2,200 (7' 3")
C	Max. vertical wall digging depth		4,470 (14' 8")	10,020 (32' 10")	765 (2' 6")
D	Max. digging height		4,470 (14' 8")	10,020 (32' 10")	765 (2' 6")
E	Max. dumping height		4,470 (14' 8")	10,020 (32' 10")	765 (2' 6")
F	Min. swing radius		4,470 (14' 8")	10,020 (32' 10")	765 (2' 6")

* Standard Equipment

Working ranges R320LC-7A High Chassis



mm (ft · in)

A	Boom length		6,450(21' 2")		6,150(20' 2")
			Arm length	Overall length	
A	Max. digging reach		2,200 (7' 3")	10,330 (33' 11")	2,200 (7' 3")
A'	Max. digging reach on ground		2,500 (8' 2")	10,550 (34' 7")	3,200 (10' 6")
B	Max. digging depth		3,200 (10' 6")	11,140 (36' 7")	4,050 (13' 3")
B'	Max. digging depth (8' level)		4,050 (13' 3")	11,950 (39' 2")	2,200 (7' 3")
C	Max. vertical wall digging depth		5,650 (18' 6")	10,020 (32' 10")	6,080 (19' 11")
D	Max. digging height		5,650 (18' 6")	10,020 (32' 10")	6,980 (22' 11")
E	Max. dumping height		5,650 (18' 6")	10,020 (32' 10")	7,910 (25' 11")
F	Min. swing radius		4,700 (15' 5")	4,500 (14' 9")	4,470 (14' 8")

* Standard Equipment

Lifting Capacities

Lifting capacities R320LC-7A

• Boom: 6.45 m (21' 2") • Arm: 2.5 m (8' 2") • Bucket: 1.44 m³ (1.88yd³) SAE heaped • Shoe : 600mm(24") triple grouser with 6,200kg(13,670 lb) CWT

Load Point height m(ft)		Load radius						At max. reach				
		3.0m (10.0ft)	4.5m (15.0ft)	6.0m (20.0ft)	7.5m (25.0ft)	9.0m (30.0ft)	Capacity	Reach	m (ft)			
7.5m 25.0ft	kg lb						*6180 *13620	4840 10670	8.34 (27.4)			
6.0m 20.0ft	kg lb				*6750 *14880	5750 12680	6170 13600	3920 8640	9.19 (30.2)			
4.5m 15.0ft	kg lb	*10750 *23700	*10750 *23700	*8420 *18560	8120 17900	*7310 *16120	5540 12210	5500 12130	3430 7560	9.70 (31.8)		
3.0m 10.0ft	kg lb	*14010 *30890	11740 25880	*9940 *21910	7550 16640	*8080 *17810	5260 11600	5190 11440	3190 7030	9.92 (32.5)		
1.5m 5.0ft	kg lb	*16290 *35910	10880 23990	*11280 *24870	7070 15590	8060 17770	5000 11020	5970 13160	3680 8110	5150 11350	3150 6940	9.88 (32.4)
Grond Line	kg lb	*16990 *37460	10590 23350	11260 24820	6790 14970	7860 17330	4820 10630	5390 11880	3300 7280	9.57 (31.4)		
-1.5m -5.0ft	kg lb	*14220 *31350	*14220 *31350	*16670 *36750	10590 23350	11150 24580	6700 14770	7790 17170	4760 10490	6010 13250	3700 8160	8.97 (29.4)
-3.0m -10.0ft	kg lb	*21440 *47270	*21440 *47270	*15460 *34080	10760 23720	11240 24780	6770 14930			*7290 *16070	4590 10120	7.98 (26.2)
-4.5m -15.0ft	kg lb	*17640 *38890	*17640 *38890	*12990 *28640	11140 24560	*9520 *20990	7060 15560			*6680 *14730	*6680 *14730	6.42 (21.1)

• Boom: 6.45 m (21' 2") • Arm: 3.2 m (10' 6") • Bucket: 1.44 m³ (1.88yd³) SAE heaped • Shoe : 600mm(24") triple grouser with 6,200kg(13,670 lb) CWT

Load Point height m(ft)		Load radius						At max. reach								
		1.5m (5.0ft)	3.0m (10.0ft)	4.5m (15.0ft)	6.0m (20.0ft)	7.5m (25.0ft)	9.0m (30.0ft)	Capacity	Reach	m (ft)						
7.5m 25.0ft	kg lb						*4880 *10760	*4880 *10760		*5500 *12130	4200 9260	9.06 (29.7)				
6.0m 20.0ft	kg lb						*6000 *13230	5890 12990		5510 12150	3470 7650	9.84 (32.3)				
4.5m 15.0ft	kg lb						*7490 *16510	*7490 *16510	*5070 *14640	5640 12430	3980 11180	10.31 (33.8)				
3.0m 10.0ft	kg lb						*12430 *27400	12180 26850	*9090 *20040	7700 16980	5320 13540	6140 8440	3830 10340	4690 6280	2850 (34.5)	
1.5m 5.0ft	kg lb						*15210 *33530	11110 24490	*10610 *23390	7150 15760	8090 17840	5970 11070	3670 13160	4640 8090	2800 10230	10.48 (34.4)
Grond Line	kg lb	*9720 *21430	*9720 *21430	*16620 *36640	10580 23320	11260 24820	6780 14950	7830 17260	4790 10560	5830 12850	3540 7800	4810 10600	2900 6390	10.19 (33.4)		
-1.5m -5.0ft	kg lb	*10800 *23810	*10800 *23810	*13710 *30230	*13710 *30230	*16830 *30230	10440 23020	11060 24380	6600 14550	7700 16980	4660 10270	5280 11640	3200 7050	9.63 (31.6)		
-3.0m -10.0ft	kg lb	*14530 *32030	*14530 *32030	*18410 *40590	*18410 *40590	*16100 *40590	10510 23170	10500 24360	6600 14550	7700 16980	4670 10300	6240 13760	3840 8470	8.74 (28.7)		
-4.5m -15.0ft	kg lb						*20220 *44580	*20220 *44580	*14270 *31460	10790 23790	*10560 *23280	6780 14950		*6880 *15170	*5250 *11570	7.37 (24.2)
-6.0m -20.0ft	kg lb						*10450 *23040	*10450 *23040								

• Boom: 6.45 m (21' 2") • Arm: 4.05 m (13' 3") • Bucket: 1.44 m³ (1.88yd³) SAE heaped • Shoe : 600mm(24") triple grouser with 6,200kg(13,670 lb) CWT

Load Point height m(ft)		Load radius						At max. reach										
		1.5m (5.0ft)	3.0m (10.0ft)	4.5m (15.0ft)	6.0m (20.0ft)	7.5m (25.0ft)	9.0m (30.0ft)	Capacity	Reach	m (ft)								
7.5m 25.0ft	kg lb							*4760 *10490	3440 7580		10.00 (32.8)							
6.0m 20.0ft	kg lb							*4160 *9170	4160 9170		10.71 (35.1)							
4.5m 15.0ft	kg lb							*5710 *12590	*5710 *12590	*5320 *11730	4270 9170	2570 9170	11.13 (36.5)					
3.0m 10.0ft	kg lb	*16820 *37080	*16820 *37080	*10330 *22770	*10330 *22770	*7880 *17370	*6640 *14640	5380 11860	*5940 *13100	3830 8440	4050 8930	2390 5270	11.32 (37.1)					
1.5m 5.0ft	kg lb							*9930 *21890	*9930 *21890	*13560 *25240	5950 21140	7260 16820	5030 11090	5940 8000	3630 8820	4000 5160	2340 (37.0)	
Grond Line	kg lb	*10280 *22660	*10280 *22660	*15690 *34590	*10960 *23460	*10950 *24140	6770 14930	7790 17170	4730 10430	5750 12680	3460 7630	4120 9080	2410 5310	11.03 (36.2)				
-1.5m -5.0ft	kg lb							*12710 *20700	*12710 *20700	*16580 *28020	10950 28020	6490 36550	7580 24140	5630 16710	3350 10010	4450 7390	2620 9810	10.52 (34.5)
-3.0m -10.0ft	kg lb	*12370 *27270	*12370 *27270	*16100 *35490	*16100 *35490	*16450 *36270	10230 22550	10840 23900	7500 14110	4480 16530	5620 9880	3340 12390	5110 7360	3060 11270	9720 6750	9.72 (31.9)		
-4.5m -15.0ft	kg lb	*15810 *34860	*15810 *34860	*20640 *45500	*20640 *45500	*15320 *33770	10390 22910	10930 24100	6470 14260	7590 16730	4550 10030		*6410 *14130	3940 8690	8.53 (28.0)			
-6.0m -20.0ft	kg lb							*18370 *40500	*18370 *40500	*20640 *28150	*20640 *28150	*9220 *23770	*6760 *20330	*18370 *14900	*			

Lifting Capacities



Lifting capacities R320NLC-7A

• Boom: 6.45 m (21' 2") • Arm: 2.5 m (8' 2") • Bucket: 1.44 m³ (1.88yd³) SAE heaped • Shoe : 600mm(24") triple grouser with 6,200kg(13,670 lb) CWT

Load Point height m(ft)	Load radius						At max. reach							
	3.0m (10.0ft)	4.5m (15.0ft)	6.0m (20.0ft)	7.5m (25.0ft)	9.0m (30.0ft)	Capacity	Reach	m (ft)						
7.5m 25.0ft	kg lb					*6180 *13620	4070 8970	8.34 (27.4)						
6.0m 20.0ft	kg lb					*6750 *14880	4840 10670	9.19 (30.2)						
4.5m 15.0ft	kg lb	*10750 *23700	*10750 *23700	*8420 *18560	6830 15060	*7310 *16120	4640 10230	9.70 (31.8)						
3.0m 10.0ft	kg lb			*14010 *30890	9650 21270	*9940 *21910	6290 13870	*8080 *17810	4370 9630	9.92 (32.5)				
1.5m 5.0ft	kg lb			*16290 *35910	8840 19490	*11280 *24870	5830 12850	8010 17660	4110 9060	5930 13070	2990 6590	5110 11270	2550 5620	9.88 (32.4)
Grond Line	kg lb			*16990 *37460	8570 18890	11180 24650	5550 12240	7810 17220	3940 8690			5350 11790	2670 5890	9.57 (31.4)
-1.5m -5.0ft	kg lb	*14220 *31350	*14220 *31350	*16670 *36750	8560 18870	11080 24430	5460 12040	7740 17060	3880 8550			5970 13160	3020 6660	8.97 (29.4)
-3.0m -10.0ft	kg lb	*21440 *47270	17830 39310	*15460 *34080	8730 19250	11160 24600	5530 12190					*7290 *16070	3770 8310	7.98 (26.2)
-4.5m -15.0ft	kg lb	*17640 *38890	*17640 *38890	*12990 *28640	9080 20020	*9520 *20990	5820 12830					*6680 *14730	5660 12480	6.42 (21.1)

• Boom: 6.45 m (21' 2") • Arm: 3.2 m (10' 6") • Bucket: 1.44 m³ (1.88yd³) SAE heaped • Shoe : 600mm(24") triple grouser with 6,200kg(13,670 lb) CWT

Load Point height m(ft)	Load radius						At max. reach										
	1.5m (5.0ft)	3.0m (10.0ft)	4.5m (15.0ft)	6.0m (20.0ft)	7.5m (25.0ft)	9.0m (30.0ft)	Capacity	Reach									
7.5m 25.0ft	kg lb						*4880 *10760	*4880 *10760	9.06 (29.7)								
6.0m 20.0ft	kg lb						*6000 *13230	4970 10960	9.84 (32.3)								
4.5m 15.0ft	kg lb						*7490 *16510	*7010 *16460	4730 10430	*5070 *11180	3290 7250	4920 10850	2490 5490	10.31 (33.8)			
3.0m 10.0ft	kg lb			*12430 *27400	10060 22180	*9090 *20040	6430 14180	*7490 *16510	4420 9740	6100 13450	3140 6920	4650 10250	2300 5070	10.52 (34.5)			
1.5m 5.0ft	kg lb						*15210 *33530	9050 19950	*10610 *23390	5900 13010	8030 17700	4130 9110	5920 13050	2980 6570	4600 10140	2240 4940	10.48 (34.4)
Grond Line	kg lb			*9720 *21430	*9720 *21430	*16620 *36640	8560 18870	11180 24650	5540 12210	7780 17150	3900 8600	5790 12760	2860 6310	4770 10520	2320 5110	10.19 (33.4)	
-1.5m -5.0ft	kg lb	*10800 *23810	*10800 *23810	*13710 *30230	*13710 *37100	*16830 *18560	8420 24210	10980 11840	5370 16840	7640 8330	3780 8330		5240 11550	2580 5690	9.63 (31.6)		
-3.0m -10.0ft	kg lb	*14530 *32030	*14530 *32030	*18410 *40590	17300 38140	*16100 *35490	8490 18720	10980 24210	5370 11840	7650 16870	3790 8360		6200 13670	3130 6900	8.74 (28.7)		
-4.5m -15.0ft	kg lb			*20220 *44580	17820 39290	*14270 *31460	8750 19290	*10560 *23280	5540 12210			*6880 *15170	*4340 *9570	7.37 (24.2)			
-6.0m -20.0ft	kg lb						*10450 *23040	9290 20480									

• Boom: 6.45 m (21' 2") • Arm: 4.05m (13' 3") • Bucket: 1.44 m³ (1.88yd³) SAE heaped • Shoe : 600mm(24") triple grouser with 6,200kg(13,670 lb) CWT

Load Point height m(ft)	Load radius						At max. reach														
	1.5m (5.0ft)	3.0m (10.0ft)	4.5m (15.0ft)	6.0m (20.0ft)	7.5m (25.0ft)	9.0m (30.0ft)	Capacity	Reach													
7.5m 25.0ft	kg lb						*4760 *10490	2840 6260	10.00 (32.8)												
6.0m 20.0ft	kg lb						*4160 *9170	3470 7650	4670 10300	2350 5180	4240 9350	2050 4520	11.13 (36.5)								
4.5m 15.0ft	kg lb						*5710 *12590	4820 10630	*5320 *11730	3330 9340	4240 9350	2050 4520	11.13 (36.5)								
3.0m 10.0ft	kg lb			*16820 *37080	*16820 *37080	*10330 *22770	*10330 *22770	*7880 *17370	6610 14570	*6640 *14640	4480 9880	*5940 *13100	3140 6920	4020 8860	1890 4170	11.32 (37.1)					
1.5m 5.0ft	kg lb						*9930 *12890	*9930 *21890	*13560 *21890	9370 21140	*9590 *16820	6000 13230	*7630 *12990	4130 6480	5890 8750	2940 4030	3970 (37.0)				
Grond Line	kg lb			*10280 *22660	*10280 *22660	*15690 *34590	*15690 *34590	8600 18960	5530 12190	7730 17040	3850 8490	5710 12590	2770 6110	4090 9020	1890 4170	11.03 (36.2)					
-1.5m -5.0ft	kg lb						*12710 *20700	*12710 *20700	*16580 *28020	8270 28020			10880 36550	5260 18230	7530 23990	3660 11600	5590 8070	2670 13230	4410 5890	2070 9720	10.52 (34.5)
-3.0m -10.0ft	kg lb			*12370 *27270	*12370 *27270	*16100 *35490	*16100 *35490	*16450 *36270	8210 18100	10770 23740	5170 11400	7450 16420	3600 7940	5580 12300	2660 8560	5070 11180	2440 5380	11.29 (31.9)			
-4.5m -15.0ft	kg lb			*15810 *34860	*15810 *34860	*20640 *45500	*20640 *45500	*15320 *37720	17110 37720	*15320 *37720	8360 18430	10850 11550	5240 16600	7530 16600	3670 8090		6390 14090	3200 7050	8.53 (28.0)		
-6.0m -20.0ft	kg lb						*18370 *40500	*18370 *39290	*12770 *28150	17820 19250	*9220 *20330	8730 12170	*5220 *1356								