



ROBEX 200W-7

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 (New 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(7,500 kcal/hr, 30,000BTU/hr) & Defroster Self diagnostic system

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 Engine & CPU
 - Engine oil pressure
 - Engine coolant temperature
 - Hyd. oil temperature
 - Low battery
 - Air cleaner clogging
- Indicator
 - Power max.
 - Preheat & Engine warming-up
 - One touch decel

Removable clean out screen for oil cooler

- Door and cab locks, one key
- Two outside rearview mirrors
- Fully adjustable suspension seat with seat belt
- Slidable joystick, pilot-operated
- Automatic swing brake
- Removable reservoir tank
- Water separator & Fuel pre-filter, fuel line
- Boom holding system
- Arm holding system
- Counterweight (3,400 kg, 7,500 lb)
- mono boom (5.65 m, 18' 6")
- Arm (2.9 m, 9' 6")
- Am/Fm radio and cassette
 - Radio remote switch
- Console box tilting system (LH.)
- Three front working light
- Electric horn
- Batteries (2 x 12V x 100 AH)
- Battery master switch
- Starting Aid (air grid heater) cold weather
- Standard bucket(0.80 m³, 1.05 yd³)
- Rear dozer and front outrigger
- Rear - blade (610 mm x 2490 mm)
- Tires - dual (10.00 - 20 - 14PR)
- Travel alarm
- Fuel warmer

Optional Equipment

Independent operating - 4 outrigger

- Air-conditioner (5,000kcal/hr, 20,000BTU/hr)
- FATC (Full Automatic Temperature Control)
- Heater & Defroster
- Sun visor for cabin inside
- Fuel filler pump (36 l /min, 9.5 US gpm)
- 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)
- 12 volt power supply (DC-DC converter)
- Electric. transducer
- CD Player Radio
- Quick coupler

Various optional Arms

- Super short arm (2.0 m, 6' 7")
- Short arm (2.4 m, 7' 10")

Various optional Buckets (SAE heaped)

- Narrow bucket (0.51 m³, 0.67 yd³)
- Light duty bucket (0.87 m³, 1.14 yd³)
- Light duty bucket (0.92 m³, 1.20 yd³)
- Light duty bucket (1.10 m³, 1.44 yd³)
- Light duty bucket (1.20 m³, 1.57 yd³)
- Light duty bucket (1.34 m³, 1.75 yd³)
- Heavy duty bucket (0.74 m³, 0.97 yd³)
- Heavy duty bucket (0.90 m³, 1.18 yd³)
- Heavy duty bucket (1.05 m³, 1.37 yd³)
- Rock bucket(0.87 m³, 1.14 yd³)
- Slope finishing bucket(0.75 m³, 0.98 yd³)

Cabin lights

Cabin FOPS/FOG(ISO/DIS 10262)

- FOPS(Falling Object Protective Structure)
- FOG(Falling Object Guard)

Cabin Rwf-cover Transparent

Tool kit

Operator suit

Special cowling

- Air vent type side door

Engine emergency control

Undercarriage

- Rear and front outrigger

Tires - dual (10.00 - 20 solid)

Seat

- Adjustable air suspension seat
- Mechanical Suspension seat with heater

Low noise kit

- Ring fan
- Special F/G hood

Robex NEW 7 SERIES

WHEELED EXCAVATOR

200W-7

CUMMINS B5.9-C Engine : 166 HP (124 kW) / 1,950 rpm
 Operating Weight(STD) : 20,500 kg (45,200 lb)
 Bucket Capacity, SAE : 0.51 ~ 1.34 m³(0.67 ~ 1.75 yd³)

Tier II Engine



Photo may include optional equipment.

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.

HYUNDAI
HEAVY INDUSTRIES CO.,LTD.
CONSTRUCTION EQUIPMENT DIVISION

Head Office (Sales Office) 1 CHEONHA-DONG, DONG-KU, ULSAN, KOREA
Tel : (82) (52) 230-7970, 7729 Fax : (82) (52) 230-7979, 7720

U.S. Operation Hyundai Construction Equipment U.S.A., Inc.
955 ESTES AVENUE, ELK GROVE VILLAGE IL., 60007
Tel : (1) 847-437-3333 Fax : (1) 847-437-3574

European Operation Hyundai Heavy Industries Europe N.V.
VOSSENDAAL 11, 2440 GEEL, BELGIUM
Tel : (32) 14-562200 Fax : (32) 14-593405 ~ 06

PLEASE CONTACT

ООО "Техномир"
664024 Россия, Иркутская область,
г. Иркутск, ул. Трактовая, д.18а оф.12.
www.hyundai-mir.ru
(3952) 722-735, (3952) 722-745, (3952) 722-785

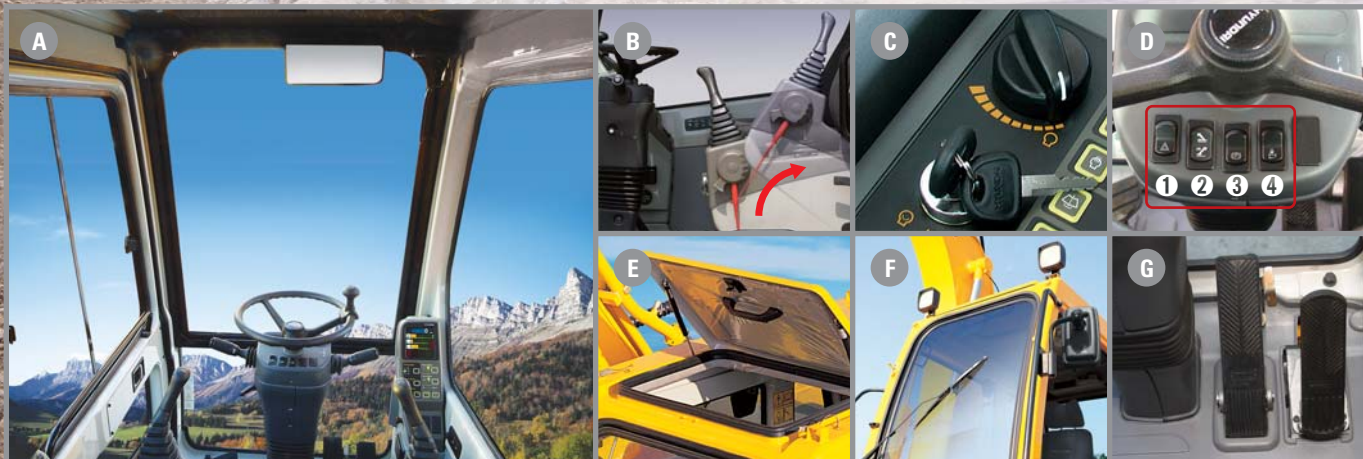
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HYUNDAI
HEAVY INDUSTRIES CO.,LTD.

HYUNDAI 7 Series Wheeled Excavator

The ROBEX 200W-7 provides outstanding performance, working harder and faster in a variety of job conditions. Hyundai's ROBEX 7 series features a comfortable operator environment with advanced ergonomics.



- A 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.
- B Highly Sensitive Joystick and Easy Entrance**
New joystick grips for precise control have been equipped with double switches.
- C Dial Type Engine Speed Switch and Key Switch**
- D Front Switch Panel**
① Hazard ② Outrigger & Dozer ③ Parking Brake ④ Ram Lock
- E Steel Cover Sunroof**
- F Raise-up Wiper and Cabin Lights**
Raise-up wiper has enhanced for the better front view. Cabin Lights enhance safety by brightly lighting the surroundings during night work (optional)
- G Convenient Acceleration and Brake Pedal**

■ Photo may include optional equipment

Technology in Cab Design

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.



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



Visibility

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



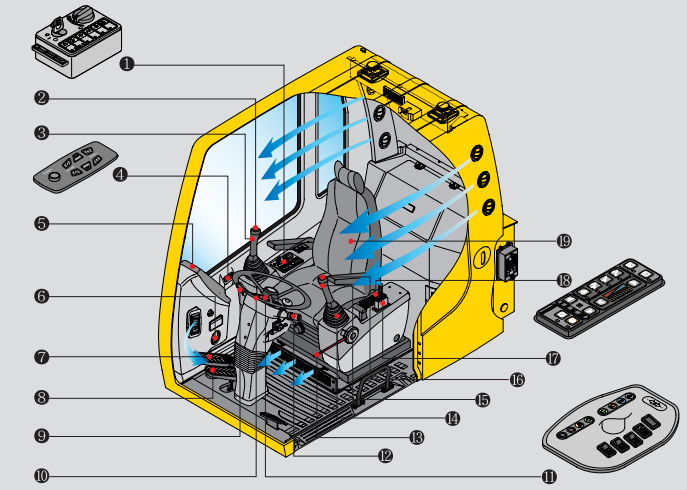
Excellent Ventilation

- 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.

Operating Environment

The best working conditions in a pleasant environment.

- 1 Switch panel(R.H)
- 2 Horn button
- 3 Option button(breaker operation)
- 4 Remote radio control
- 5 Cluster
- 6 Hour meter
- 7 Accel pedal
- 8 Brake pedal
- 9 Multi function switch(R.H)
- 10 Steering
- 11 Switch panel(Front)
- 12 Multi function switch(L.H)
- 13 Safety lever
- 14 Joystick control lever
- 15 Power Max. button
- 16 One touch decel button
- 17 Dozer blade Lever
- 18 Air conditioner and heater controller
- 19 Fully adjustable suspension seat



Easy-to-Reach Control Panels

Switches and other essential controls are located near the operator. These help keep operator movement to a minimum, enhancing control with less operator fatigue.

- | | |
|-------|-------------------------------------------|
| Left | • Power boost
• One touch deceleration |
| Right | • Horn
• Optional |



Deluxe Cassette and Remote Radio Control



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.



Rear Emergency Exit Window

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



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.



Adjustable Steering Column



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

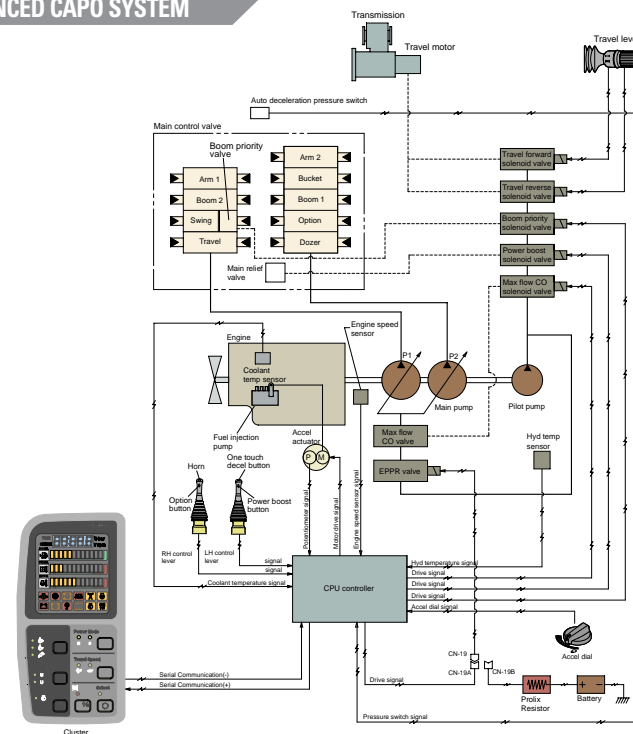
- The Robex 7 series was designed with low operation noise in mind.
- Hyundai engineering helps to keep interior and exterior noise levels to a minimum.
- The cab's noise levels have been additionally reduced by improving the door seals for the cab and engine compartments.
- An insulated diesel engine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

Advanced Hydraulic System



■ Photo may include optional equipment.

ADVANCED CAPO 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.

Arm Flow Regeneration System

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

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.

One Touch Decel System

When the one touch decel switch is pressed, CPU controller controls the accel actuator to reduce engine speed to 1000 rpm. And then the one touch decel switch is pressed again, the engine speed recovers.

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 1200rpm. 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.

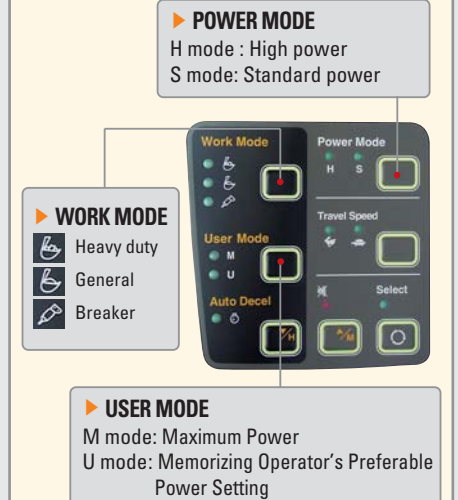
Pump Flow Control System

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.

Hydraulic Damper in Travel Pedal

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

NEW MODE CONTROL SYSTEM



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.

Automatic Warming-up System



After the engine is started, if the engine coolant temperature is low, the CPU controller increases the engine speed and automatically increases the pump flow rate to warm up the engine more effectively.



Increased Higher Performance and durability



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 protection cover for transmission.

Large Toolbox & Safe Footholds

Anti-slip footholds and wide toolbox improved safety and convenience.



Powerful Dozer Blade and Dozer Blade Cylinder Guard

Large size blade's plate and cover that protect cylinder improved efficiency of work and durability of equipment.



Powerful and Preciser Swing Control

Improved shock absorbing characteristics make stopping a precise and smooth action



CUMMINS B5.9-C ENGINE

The six cylinders, turbo-charged, 4 cycle, charger air cooled engine is built for power, reliability, economy and low emissions.



A More Reliable Way To Reach You Dream.

The Cummins B5.9-C engine has been designed with 40% fewer parts than the competition. That means there's less that can go wrong when you need it most. It also means fewer parts to inventory. Repairs are simplified because no special tools are needed for maintenance. The weight of the machine is reduced without sacrificing strength.

The B5.9-C engine is capable of reaching emission standards without electronic engine controls. You get a proven power plant that meets ecological concerns, without paying a premium for technology you don't need.

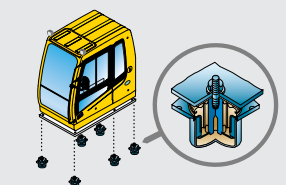
Reinforced Bucket and Bucket Linkage

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.



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.

Photo may include optional equipment.



Reliability and Serviceability



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.



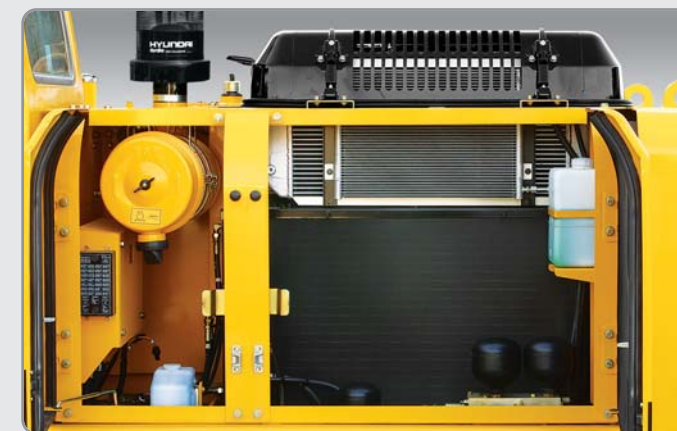
Centralized Electric Control Box and Easy Change Air Cleaner Assembly

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



Highly Efficient Hydraulic Pump

Pump output and Hydraulic tank capacity have been increased. A pilot pump has been installed resulting in improved control sensitivity.



Side Cover with Left & Right Swing Open Type

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



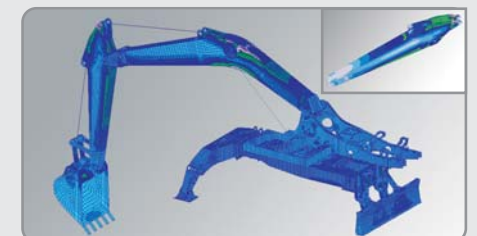
Large Capacity Fuel and Hydraulic Tank

The capacity of fuel and hydraulic tank is increased to extend the working time.



Easy to Access and Battery Master Switch

Battery and master switch on equipment forehead enable to check and maintain easily.



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

Photo may include optional equipment.

Engine

Model		Cummins B5.9-C	
Type		Water cooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, turbocharged, charge air cooled and low emission	
Rated flywheel horse power	SAE	J1995 (gross)	166 HP (124 kW) at 1,950 rpm
		J1349 (net)	153 HP (114 kW) at 1,950 rpm
	DIN	6271/1 (gross)	168 PS (124 kW) at 1,950 rpm
		6271/1 (net)	155 PS (114 kW) at 1,950 rpm
Max. torque		68.4 kgf·m(495 lbf·ft) at 1,500 rpm	
Bore x stroke		102 x 120 mm(4.02" x 4.72")	
Piston		5,880 cc (359 cu in)	
Batteries		2 x 12V x 100 AH	
Starting motor		Nippon Denso (24 V, 4.5 kW)	
Alternator		24V, 50A	

Hydraulic system

Main pump	
Type	Two variable displacement piston pumps
Max. flow	2 x 220 l/min (58.1 US gpm / 48.4 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
Swing	Axial piston motor with automatic brake
Relief valve setting	
Implement circuits	330 kgf/cm ² (4,690 psi)
Travel	360 kgf/cm ² (5,120 psi)
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 psi)
Swing circuit	240 kgf/cm ² (3,410 psi)
Pilot circuit	40 kgf/cm ² (570 psi)
Service valve	Installed
Hydraulic cylinders	
No. of cylinder-bore x rod x stroke	Boom : 2-120 × 85 × 1,290 mm (4.7" × 3.3" × 50.8")
	Arm : 1-140 × 100 × 1,510 mm (5.5" × 3.9" × 59.4")
	Bucket : 1-125 × 85 × 1,055 mm (4.9" × 3.3" × 41.5")
	Blade : 2-120 × 85 × 226 mm (4.7" × 3.3" × 8.9")
	Outrigger: 2-130 × 80 × 427 mm (5.1" × 3.1" × 16.8")

Drives & Brakes

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, bent axis design
Max. drawbar pull	10,800 kgf (23,800 lbf)
Max. travel speed(high) / (low)	33 km/hr (20.5 mph) / 8.5 km/hr (5.3 mph)
Gradeability	31.5° (61 %)
Parking brake	Multi wet disc

Axles & Wheels

Full floating front axles is supported by center pin for oscillation. It can be locked by oscillation lock cylinders.	
Rear axle is fixed on the lower chassis	
Tires : 10.00-20-14PR, Dual (tube type), Option : 10.00-20, Dual (solid type)	

Swing system

Swing motor	Axial piston motor
Swing reduction	2-stage planetary
Swing bearing lubrication	Grease-bathed
Swing brake	Automatic, spring applied hydraulic released
Swing speed	12.5 rpm

Steering System

Hydraulically actuated, orbital type steering system actuates on front wheels through the steering cylinders.

Min. turning radius	6,690 mm (21' 11")
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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)
Engine throttle	Electric, Dial type
External lights	Two lights mounted on the boom and two under the cabin

Coolant & Lubricant capacity

(refilling)	liter	US gal	UK gal
Fuel tank	310.0	81.9	68.2
Engine coolant	35.0	9.2	7.7
Engine oil	14.2	3.8	3.1
Swing device	5	1.3	1.1
Axle (Front/Rear)	16.0/16.0	4.2/4.2	3.5/3.5
Hydraulic system(including tank)	270.0	71.3	59.4
Hydraulic tank	180.0	47.6	39.6
Transmission	3.8	1.0	0.8

Undercarriage

Reinforced box - section frame is all-welded, low-stress. Rear dozer blade and outrigger are available. A bolt-on design. Front outrigger lug is pin-on.

Dozer blade	A very useful addition for leveling and back filling or clean-up work. Can be mounted on the rear.
Outrigger	Indicated for max. operation stability when digging and lifting. Can be mounted on the rear.

Operating weight (approximate)

Operating weight, including 5.65 m (18' 6") boom, 2.90 m (9' 6") arm, SAE heaped 0.80 m³ (1.05 yd³) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

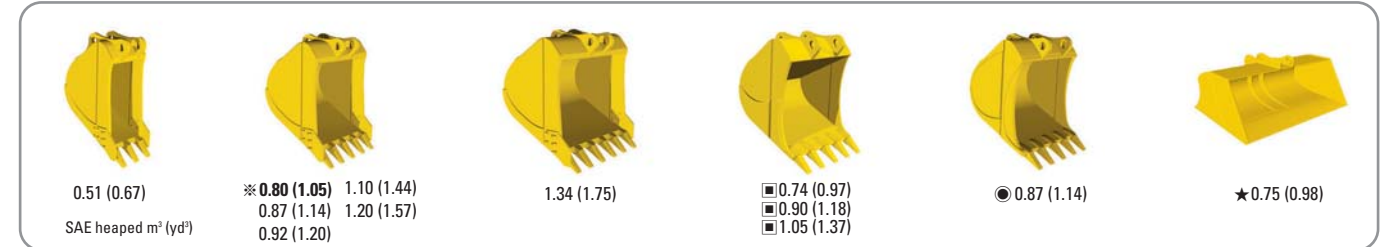
Major component weight	
Upperstructure	8,950 kg (19,730 lb)
Counterweight	3,400 kg (7,500 lb)
Boom (with arm cylinder)	1,480 kg (3,260 lb)

Operating weight

Undercarriage	Operating Weight kg (lb)
※ Front - outrigger+Rear-blade	20,500 (45,200)
Four outrigger	20,600 (45,400)

※ Standard equipment

Buckets



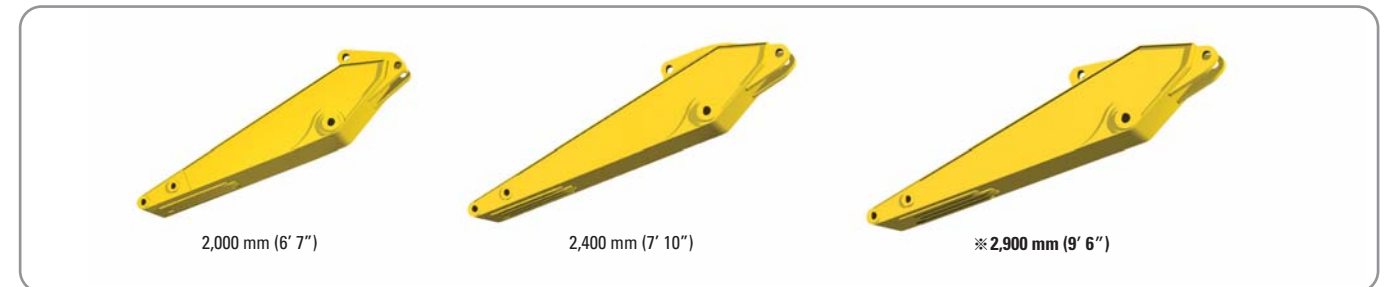
Capacity m ³ (yd ³)		Width mm (in)		Weight kg(lb)	Recommendation mm(ft.in)			
SAE heaped	CECE heaped	Without side cutters	With side cutters		Boom	※ 5,650 (18' 6")		
				Arm	2,000 (6' 7")	2,400 (7' 10")	※2,900 (9' 6")	
0.51 (0.67)	0.45(0.59)	700(27.6)	820(32.3)	570(1260)	●	●	●	
※0.80 (1.05)	0.70(0.92)	1,000(39.4)	1,120(44.1)	700(1540)	●	●	●	
0.87 (1.14)	0.75(0.98)	1,090(42.9)	1,210(47.6)	740(1630)	●	●	●	
0.92 (1.20)	0.80(1.05)	1,150(45.3)	1,270(50.0)	770(1700)	●	●	■	
1.10 (1.44)	0.96(1.26)	1,320(52.0)	1,440(56.7)	830(1830)	●	●	■	
1.20 (1.57)	1.00(1.31)	1,400(55.1)	1,520(59.8)	850(1870)	■	▲	-	
1.34 (1.75)	1.15(1.50)	1,550(61.0)	1,670(65.7)	920(2030)	▲	▲	-	
□0.74 (0.97)	0.65(0.85)	985(38.8)	-	770(1700)	●	●	●	
□0.90 (1.18)	0.80(1.05)	1,070(42.1)	-	810(1790)	●	●	■	
□1.05 (1.37)	0.92(1.20)	1,430(56.3)	-	890(1960)	■	▲	-	
●0.87 (1.14)	0.75(0.98)	1,140(44.9)	-	900(1980)	●	●	■	
★0.75 (0.98)	0.65(0.85)	1,790(70.5)	-	880(1940)	●	●	■	

※: Standard backhoe bucket ●: Rock bucket-Heavy
 □: Heavy-duty ★: Slope finishing bucket

●: Applicable for materials with density of 2,000 kg / m³ (3,370 lb/ yd³) or less
 ■: Applicable for materials with density of 1,600 kg / m³ (2,700 lb/ yd³) or less
 ▲: Applicable for materials with density of 1,100 kg / m³ (1,850 lb/ yd³) or less

Arms

Boom and arms are of all-welded, low-stress, full-box section design. 5,650 mm(18' 6") mono boom and 2,000 mm(6' 7"), 2,400 mm(7' 10"), 2,900 mm(9' 6") arms are available. Buckets are all-welded, high-strength steel implements.

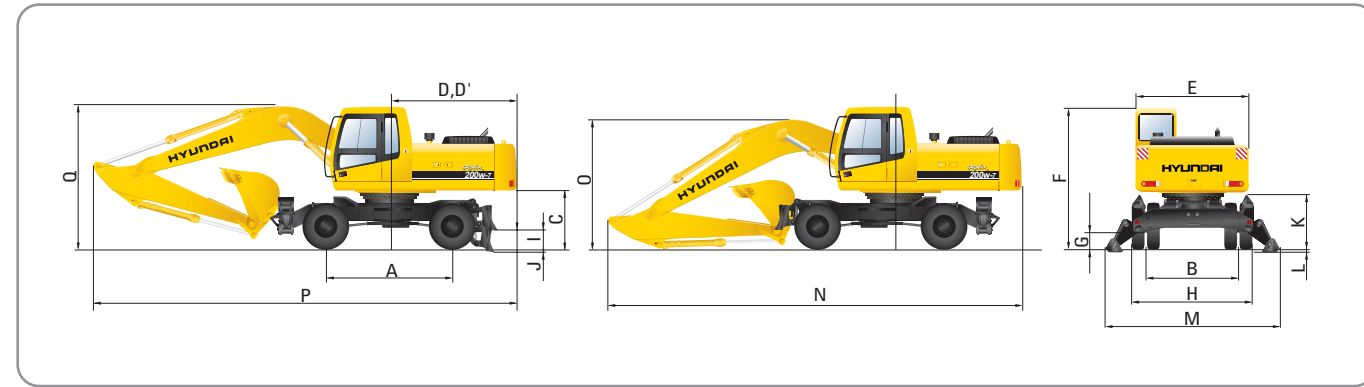


Digging force

Arm	Length	mm(ft.in)	2,000 (6' 7")			2,400 (7' 10")			※ 2,900 (9' 6")			Remark
			Weight	kg(lb)								
Bucket digging force	SAE	kN	133.4	[145.5]	133.4	[145.5]	133.4	[145.5]	133.4	[145.5]	[] : Power Boost	
		kgf	13,600	[14,840]	13,600	[14,840]	13,600	[14,840]	13,600	[14,840]		
	ISO	kN	152.0	[165.8]	152.0	[165.8]	152.0	[165.8]	152.0	[165.8]		
		kgf	15,500	[16,910]	15,500	[16,910]	15,500	[16,910]	15,500	[16,910]		
Arm crowd force	SAE	kN	135.3	[147.6]	112.8	[123.1]	97.1	[105.9]	97.1	[105.9]		
		kgf	13,800	[15,050]	11,500	[12,550]	9,900	[10,800]	9,900	[10,800]		
	ISO	kN	142.2	[155.1]	117.7	[128.4]	101.0	[110.2]	101.0	[110.2]		
		kgf	14,500	[15,820]	12,000	[13,090]	10,300	[11,240]	10,300	[11,240]		
			31,970	[34,880]	26,460	[28,870]	22,710	[24,770]	22,710	[24,770]		

Note : Arm weight including bucket cylinder and linkage. ※ Standard arm

Dimensions

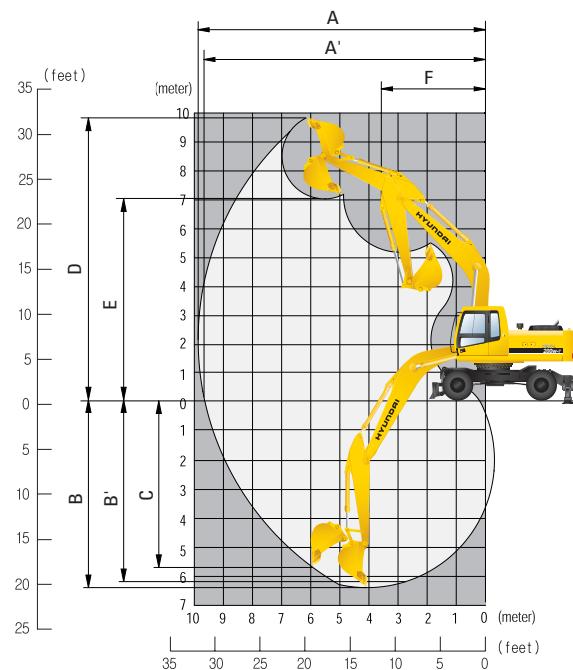


		mm (ft · in)
A	Wheel base	2,800(9' 2")
B	Tread	1,874(6' 2")
C	Ground clearance of counterweight	1,305(4' 3")
D	Tail swing radius	2,800(9' 2")
D'	Rear-end length	2,765(9' 1")
E	Overall width of upperstructure	2,530(8' 4")
F	Overall height of cap	3,180(10' 5")
G	Min. ground clearance	345(1' 2")
H	Overall width of lower structure	2,490(8' 2")
I	Ground clearance of blade up	445(1' 6")
J	Depth of blade down	125(4.9")
K	Height of blade	610(2' 0")
L	Width of blade	2,490(8' 2")
M	Ground clearance of outrigger up	1,220(4' 0")
N	Depth of outrigger down	120(4.7")
O	Overall width of outrigger	3,770(12' 4")

		mm (ft · in)		
	Boom length	※5,650 (18' 6")		
	Arm length	2,000 (6' 7")	2,400 (7' 10")	※2,900 (9' 6")
N	Shipping length of boom	9,610 (31' 6")	9,510 (31' 2")	9,490 (31' 2")
O	Shipping height of boom	3,360 (11' 10")	3,250 (10' 8")	3,100 (10' 2")
P	Traveling length of boom	9,620 (31' 7")	9,540 (31' 4")	9,520 (31' 3")
Q	Traveling height of boom	3,540 (11' 7")	3,540 (11' 7")	3,410 (11' 2")

※ Standard Equipment

Working ranges



		mm (ft · in)		
	Boom length	※5,650 (18' 6")		
	Arm length	2,000 (6' 7")	2,400 (7' 10")	※2,900 (9' 6")
A	Max. digging reach	9,110 (29' 11")	9,480 (31' 1")	9,900 (32' 6")
A'	Max. digging reach on ground	8,870 (29' 1")	9,260 (30' 5")	9,690 (31' 9")
B	Max. digging depth	5,480 (18' 0")	5,880 (19' 3")	6,380 (20' 11")
B'	Max. digging depth (8' level)	5,240 (17' 2")	5,670 (18' 7")	6,210 (20' 4")
C	Max. vertical wall digging depth	4,970 (16' 4")	5,440 (17' 10")	5,810 (19' 1")
D	Max. digging height	9,500 (31' 2")	9,730 (31' 11")	9,870 (32' 5")
E	Max. dumping height	6,670 (21' 11")	6,900 (22' 8")	7,050 (23' 2")
F	Min. swing radius	3,700 (12' 2")	3,620 (11' 11")	3,540 (11' 7")

※ Standard Equipment

Lifting capacities

Rating over-front Rating over-side or 360 degree

• Boom : 5.65m (18' 6") • Arm : 2.00 m (6' 7") • Bucket : 0.80m³ (1.05yd³) SAE heaped • With 4 outrigger down

Load point height m(ft)		Load radius								At max. reach		
		3.0 m(10.0 ft)		4.5 m(15.0 ft)		6.0 m(20.0 ft)		7.5 m(25.0 ft)		Capacity	Reach	
												m (ft)
7.5 m 25.0 ft	kg lb									*3810 *8400	*3810 *8400	6.85 (22.5)
6.0 m 20.0 ft	kg lb					*4230 *9330	*4230 *9330			*3890 *8580	*3890 *8580	7.89 (25.9)
4.5 m 15.0 ft	kg lb	*8260 *18210	*8260 *18210	*5650 *12460	*5650 *12460	*4710 *10380	*4710 *10380			*4020 *8860	3370 7430	8.48 (27.8)
3.0 m 10.0 ft	kg lb			*7340 *16180	*7340 *16180	*5450 *12020	*5450 *12020	*4650 *10250	4020 8860	*4190 *9240	3150 6940	8.73 (28.6)
1.5 m 5.0 ft	kg lb			*8700 *19180	*8700 *19180	*6180 *13620	5580 12300	*4980 *10980	3920 8640	*4370 *9630	3140 6920	8.67 (28.4)
Ground Line	kg lb			*9260 *20410	8680 19140	*6620 *14590	5440 11990			*4570 *10080	3350 7390	8.30 (27.2)
-1.5 m -5.0 ft	kg lb	*13240 *29190	*13240 *29190	*9110 *20080	8680 19140	*6630 *14620	5420 11950			*4710 *10380	3920 8640	7.57 (24.8)
-3.0 m -10.0 ft	kg lb	*11640 *25660	*11640 *25660	*8210 *18100	*8210 *18100					*4620 *10190	*4620 *10190	6.30 (20.7)

• Boom : 5.65m (18' 6") • Arm : 2.00 m (6' 7") • Bucket : 0.80m³ (1.05yd³) SAE heaped • With front outrigger and rear dozer blade down.

Load point height m(ft)		Load radius								At max. reach		
		3.0 m(10.0 ft)		4.5 m(15.0 ft)		6.0 m(20.0 ft)		7.5 m(25.0 ft)		Capacity	Reach	
												m (ft)
7.5 m 25.0 ft	kg lb									*3830 *8440	*3830 *8440	6.85 (22.5)
6.0 m 20.0 ft	kg lb					*4260 *9390	*4260 *9390			*3910 *8620	3230 7120	7.89 (25.9)
4.5 m 15.0 ft	kg lb	*8320 *18340	*8320 *18340	*5680 *12520	*5680 *12520	*4730 *10430	*4730 *10430			*4030 *8880	2770 6110	8.48 (27.8)
3.0 m 10.0 ft	kg lb			*7370 *16250	*7370 *16250	*5480 *12080	4760 10490	*4670 *10300	3300 7280	*4190 *9240	2570 5670	8.73 (28.6)
1.5 m 5.0 ft	kg lb			*8720 *19220	7060 15560	*6190 *13650	4540 10010	*4990 *11000	3200 7050	*4380 *9660	2550 5620	8.67 (28.4)
Ground Line	kg lb			*9260 *20410	6880 15170	*6630 *14620	4400 9700			*4560 *10050	2730 6020	8.30 (27.2)
-1.5 m -5.0 ft	kg lb	*13190 *29080	*13190 *29080	*9100 *20060	6880 15170	*6620 *14590	4380 9660			*4700 *10360	3200 7050	7.57 (24.8)
-3.0 m -10.0 ft	kg lb	*11570 *25510	*11570 *25510	*8170 *18010	7020 15480					*4580 *10100	4390 9680	6.30 (20.7)

NOTES
1. Lifting capacity is based on SAE J1097, ISO 10567.
2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (standard equipment) located on the back of the bucket.
4. (*) indicates load limited by hydraulic capacity.

Lifting capacities



• Boom : 5.65m (18' 6") • Arm : 2.4 m (7' 10") • Bucket : 0.80m³ (1.05yd³) SAE heaped • With 4 outrigger down

Load point height m(ft)		Load radius										At max. reach		
		1.5 m(5.0 ft)		3.0 m(10.0 ft)		4.5 m(15.0 ft)		6.0 m(20.0 ft)		7.5 m(25.0 ft)		Capacity	Reach	
		Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	kg	lb	
7.5 m 25.0 ft	kg lb											*3520 *7760	*3520 *7760	7.34 (24.1)
6.0 m 20.0 ft	kg lb							*3830 *8440	*3830 *8440			*3610 *7960	3570 7870	8.31 (27.3)
4.5 m 15.0 ft	kg lb					*5090 *11220	*5090 *11220	*4350 *9590	*4350 *9590	*4050 *8930	*4050 *8930	*3740 *8250	3110 6860	8.87 (29.1)
3.0 m 10.0 ft	kg lb					*6790 *14970	*6790 *14970	*5130 *11310	*5130 *11310	*4390 *9680	4020 8860	*3900 *8600	2910 6420	9.10 (29.9)
1.5 m 5.0 ft	kg lb					*8290 *18280	*8290 *18280	*5920 *13050	5580 12300	*4790 *10560	3900 8600	*4090 *9020	2900 6390	9.05 (29.7)
Ground Line	kg lb			*9300 *20500	*9300 *20500	*9080 *20020	8630 19030	*6460 *14240	5410 11930	*5070 *11180	3810 8400	*4290 *9460	3070 6770	8.70 (28.5)
-1.5 m -5.0 ft	kg lb	*10060 *22180	*10060 *22180	*13750 *30310	*13750 *30310	*9140 *20150	8580 18920	*6610 *14570	5350 11790			*4460 *9830	3530 7780	8.00 (26.2)
-3.0 m -10.0 ft	kg lb	*14300 *31530	*14300 *31530	*12340 *27210	*12340 *27210	*8490 *18720	*8490 *18720	*6120 *13490	5420 11950			*4500 *9920	*4500 *9920	6.84 (22.4)
-4.5 m -15.0 ft	kg lb			*9540 *21030	*9540 *21030	*6550 *14440	*6550 *14440							

• Boom : 5.65m (18' 6") • Arm : 2.4 m (7' 10") • Bucket : 0.80m³ (1.05yd³) SAE heaped • With front outrigger and rear dozer blade down.

Load point height m(ft)		Load radius										At max. reach		
		1.5 m(5.0 ft)		3.0 m(10.0 ft)		4.5 m(15.0 ft)		6.0 m(20.0 ft)		7.5 m(25.0 ft)		Capacity	Reach	
		Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	kg	lb	
7.5 m 25.0 ft	kg lb											*3520 *7760	*3520 *7760	7.34 (24.1)
6.0 m 20.0 ft	kg lb							*3830 *8440	*3830 *8440			*3610 *7960	2940 6480	8.31 (27.3)
4.5 m 15.0 ft	kg lb					*5090 *11220	*5090 *11220	*4350 *9590	*4350 *9590	*4050 *8930	3410 7520	*3740 *8250	2550 5620	8.87 (29.1)
3.0 m 10.0 ft	kg lb					*6790 *14970	*6790 *14970	*5130 *11310	4780 10540	*4390 *9680	3290 7250	*3900 *8600	2370 5220	9.10 (29.9)
1.5 m 5.0 ft	kg lb					*8290 *18280	7080 15610	*5920 *13050	4530 9990	*4790 *10560	3170 6990	*4090 *9020	2350 5180	9.05 (29.7)
Ground Line	kg lb			*9300 *20500	*9300 *20500	*9080 *20020	6830 15060	*6460 *14240	4370 9630	*5070 *11180	3090 6810	*4290 *9460	2490 5490	8.70 (28.5)
-1.5 m -5.0 ft	kg lb	*10060 *22180	*10060 *22180	*13750 *30310	*13750 *30310	*9140 *20150	6790 14970	*6610 *14570	4310 9500			*4460 *9830	2880 6350	8.00 (26.2)
-3.0 m -10.0 ft	kg lb	*14300 *31530	*14300 *31530	*12340 *27210	*12340 *27210	*8490 *18720	6890 15190	*6120 *13490	4380 9660			*4500 *9920	3790 8360	6.84 (22.4)
-4.5 m -15.0 ft	kg lb			*9540 *21030	*9450 *21030	*6550 *14440	*6550 *14440							

NOTES
 1. Lifting capacity is based on SAE J1097, ISO 10567.
 2. Lifting capacity of the Robex Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook (standard equipment) located on the back of the bucket.
 4. (*) indicates load limited by hydraulic capacity.

Lifting capacities



• Boom : 5.65m (18' 6") • Arm : 2.9 m (9' 6") • Bucket : 0.80m³ (1.05yd³) SAE heaped • With 4 outrigger down

Load point height m(ft)		Load radius										At max. reach										
		1.5 m(5.0 ft)		3.0 m(10.0 ft)		4.5 m(15.0 ft)		6.0 m(20.0 ft)		7.5 m(25.0 ft)		Capacity	Reach									
		Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	kg	lb									
9.0 m 30 ft	kg lb													*3120 *6880	*3120 *6880	6.47 (21.2)						
7.5 m 25.0 ft	kg lb													*3180 *7010	*3180 *7010	7.92 (26.0)						
6.0 m 20.0 ft	kg lb											*3370 *7430	*3370 *7430	*2400 *5290	*2400 *5290	*3290 *7250	3240 7140	8.81 (28.9)				
4.5 m 15.0 ft	kg lb											*3920 *8640	*3920 *8640	*3690 *8140	*3690 *8140	*3430 *7560	2850 6280	9.34 (30.6)				
3.0 m 10.0 ft	kg lb											*10160 *22400	*10160 *22400	*6150 *13560	*6150 *13560	*4750 *10470	4050 8930	*3600 *7940	2680 5910	9.56 (31.4)		
1.5 m 5.0 ft	kg lb											*8440 *18610	*8440 *18610	*7810 *17220	*7810 *17220	*5610 *12370	5610 12370	*4550 *10030	3900 8600	*3790 *8360	2650 5840	9.51 (31.2)
Ground Line	kg lb											*9800 *21610	*9800 *21610	*8830 *19470	8640 19050	*6260 *13800	5400 11900	*4920 *10850	3790 8360	*3990 *8800	2790 6150	9.18 (30.1)
-1.5 m -5.0 ft	kg lb	*9190 *20260	*9190 *20260	*12890 *28420	*12890 *28420	*9140 *20150	8520 18780	*6560 *14460	5300 11680	*5050 *11130	3740 8250	*4200 *9260	3150 6940	8.53 (28.0)								
-3.0 m -10.0 ft	kg lb	*12400 *27340	*12400 *27340	*13070 *28810	*13070 *28810	*8760 *19310	8570 18890	*6340 *13980	5320 11730			*4360 *9610	3960 8730	7.46 (24.5)								
-4.5 m -15.0 ft	kg lb																					

• Boom : 5.65m (18' 6") • Arm : 2.9 m (9' 6") • Bucket : 0.80m³ (1.05yd³) SAE heaped • With front outrigger and rear dozer blade down.

Load point height m(ft)		Load radius										At max. reach										
		1.5 m(5.0 ft)		3.0 m(10.0 ft)		4.5 m(15.0 ft)		6.0 m(20.0 ft)		7.5 m(25.0 ft)		Capacity	Reach									
		Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	Rating over-front	Rating over-side or 360 degree	kg	lb									
9.0 m 30 ft	kg lb													*3130 *6900	*3130 *6900	6.42 (21.1)						
7.5 m 25.0 ft	kg lb													*3200 *7050	*3200 *7050	7.88 (25.9)						
6.0 m 20.0 ft	kg lb											*3370 *7430	*3370 *7430	*2290 *5050	*2290 *5050	*3310 *7300	2680 5910	8.78 (28.8)				
4.5 m 15.0 ft	kg lb											*3920 *8640	*3920 *8640	*3700 *8160	3460 7630	*3450 *7610	2340 5160	9.30 (30.5)				
3.0 m 10.0 ft	kg lb											*10070 *22200	*10070 *22200	*6130 *13510	*6130 *13510	*4750 *10470	4100 8930	*3610 *7960	2180 4810	9.53 (31.3)		
1.5 m 5.0 ft	kg lb											*8690 *19160	*8690 *19160	*7800 *17200	7180 15830	*5610 *12370	4560 10050	*4560 *10050	3180 7010	*3800 *8380	2160 4760	9.48 (31.1)
Ground Line	kg lb											*9950 *21940	*9950 *21940	*8830 *19470	6850 15100	*6270 *13820	4360 9610	*4930 *10870	3070 6770	*4010 *8840	2270 5000	9.15 (30.0)
-1.5 m -5.0 ft	kg lb	*9250 *20390	*9250 *20390	*13040 *28750	*13040 *28750	*9150 *20170	6740 14860	*6560 *14460	4270 9410	*5050 *11130	3030 6680	*4230 *9330	2580 5690	8.49 (27.9)								
-3.0 m -10.0 ft	kg lb	*12490 *27540	*12490 *27540	*13090 *28860	*13090 *28860	*8770 *19330	6780 14950	*6340 *13980	4290 9460			*4390 *9680	3260 7190	7.42 (24.3)								
-4.5 m -15.0 ft	kg lb																					

NOTES
 1. Lifting capacity is based on SAE J1097, ISO 10567.
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