

**Gross Power**  
129 kW (173 hp) at 2,200 rpm

**Net Power**  
127 kW (170 hp) at 2,200 rpm

**Operating Weight**  
HW150A CR: 17,170kg(37,850lb)  
HW170A CR: 18,820 kg (41,490lb)

# HW150A CR HW170A CR

With EU Stage V Engine Installed



**Head Office(Sales Office)**

11F, GLOBAL R&D CENTER, 477 BUNDANG SUSEO-RO, BUNDANG-GU, SEONGNAM-SI, GYEONGGI-DO, 13553, KOREA

**Americas Operation : HD Hyundai Construction Equipment Americas Inc.**

6100 Atlantic Boulevard Norcross Ga 30071 U.S.A  
TEL (1) 847-678-823-7802 FAX (1) 847-678-823-7778

**Europe Operation : HD Hyundai Construction Equipment Europe. N.V**

Hyundailaan 4,  
3980 Tessenderlo, Belgium  
TEL (32) 14-56-2200 FAX (32) 14-59-3405

PLEASE CONTACT

# WHAT'S NEWEST AND BEST

## THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

- EU STAGE V Engine **NEW**
- Load Sensing Hydraulic System (LUDV) **NEW**
- Reversible Fan **NEW**
- Attachment Flow Control **Option**
- ECO Gauge
- Enlarged Air Inlet with Grill Cover
- Cycle Time Improvement

## ULTIMATE DURABILITY

- Durable Cooling Module
- Reinforced Pin, Bush, and Polymer Shim
- Better Weight Balance
- Hi-grade (High-pressure) Hoses

## EASY CONTROL AND COMFORTABLE OPERATION

- FNR and Ram lock switch on joystick **NEW**
- Bucket-Clamshell Adaptation **NEW Option**
- Proportional Joysticks and Pedal Control **NEW Option**
- Ride Control **NEW Option**
- Trailer Hitch Preparation **NEW Option**
- Efficient Climate Control **NEW Option**
- Tiltrotator Preparation **NEW Option**
- Automatic digging brake **NEW Option**
- Joystick steering **NEW Option**
- Swing Lock System **Option**
- Fine Swing Control **Option**
- Proportional Auxiliary Hydraulic Lines **Option**
- Intelligent and Wide Cluster
- Jog Dial Module
- USB-MP3-Handsfree Audio System

## THE ULTIMATE SAFE ENVIROMENT

- Auto Safety Lock **NEW**
- Electronic Swing Parking Brake Control **NEW**
- Rear and Mirror view Camera **NEW Option**
- AAVM (Advanced Around View Monitoring) Camera System **Option**
- Cruise Control & Speed Limiter **NEW Option**
- Seatbelt Warning Alarm
- Cabin Suspension Mount

**HW150A CR**  
**HW170A CR**

## SERVICEABILITY AND TELEMATICS

- Hi MATE **Option**
- ECD(Engine Connected Diagnostics) **NEW**
- Mobile Fleet App
- Easy Access to DEF/AdBlue® Supply System
- HCE-DT Air **NEW**
- Longer Lasting Filter



\*Photo may include optional equipment.

# SPECIFICATIONS

## ENGINE

Maker / Model	CUMMINS / B4.5
Type	4 cylinder, water cooled, 4-cycle, turbocharged charge air cooled, direct injection, electronic controlled diesel engine.
Gross Power	129 kW (173 hp) at 2,200 rpm
Net Power	127 kW (170 hp) at 2,200 rpm
Max. Power	129 kW (173 hp) at 2,200 rpm
Peak Torque	780 N · m (575 lb.ft) at 1,500 rpm
Displacement	4.5 l (275 cu in)

## HYDRAULIC SYSTEM

Advanced Load Sensing System(LUDV)  
Load independent flow sharing

## MAIN PUMP

Type	Variable displacement pump
Max. flow	260 lpm @ 1,800 rpm

## AUX PUMP FOR STEERING OR ROTATION PIPING

Type	Piston pumps
Max. flow	60 lpm

## HYDRAULIC MOTORS

Travel	Bent - axis pistons motor
Swing	Radial Piston Motor

## RELIEF VALVE SETTING

Implement circuits	350 kgf/cm <sup>2</sup> (4,970 psi)
Travel	400 kgf/cm <sup>2</sup> (5,690 psi)
Power boost (boom, arm, bucket)	380 kgf/cm <sup>2</sup> (5,400 psi)
Pilot circuit	40 kgf/cm <sup>2</sup> (570 psi)
Service valve	Installed

## HYDRAULIC CYLINDERS

Model	HW150ACR	HW170ACR
Arm	1-115 x 1,138 mm	1-120 x 1,235 mm
Bucket	1-100 x 850 mm	1-105 x 995 mm
Blade	2-110 x 235 mm	2-110 x 235 mm
Outrigger	2-125 x 463 mm	2-125 x 463 mm
No. of cylinder bore X stroke		
Mono boom	1-105 x 1,105mm	
2-PCS boom	2-105 x 992mm	2-110 x 992mm
Adjust (boom)	1-145 x 634mm	1-160 x 624mm

\* Hyundai Bio Hydraulic Oil (HBHO) available

## DRIVES & BRAKES

4-wheel hydrostatic drive. Constant mesh, helical gear transmission provides 2 forward and reverse travel speeds.

Model	HW150ACR	HW170ACR
Max. drawbar pull	9,234 kgf (20,360 lbf)	10,720 kgf (23,636 lbf)
Travel speed	1st 9.5 km/h 2nd 35 km/h or 20 km/h (Option)	
Gradeability	30°	30°

Service Brake :  
- Independent dual brake, front and rear axle full hydraulic power brake.  
- Spring released and hydraulic applied wet type multiple disc brake.  
Parking Brake :  
- Spring applied and hydraulic released wet disc brake type in transmission.

## 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
Lights	Two lights mounted on the boom, one under the battery box and one under the cabin

## AXLE & WHEEL

Full floating front axle 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)
(Optional)	10.00-20, Dual(solid type) 10.00-20-16PR, Dual(tube type)

## STEERING SYSTEM

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

Min. turning radius	6,280 (20' 7") mm
---------------------	-------------------

## SWING SYSTEM

Swing motor	Fixed displacement radial piston motor
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	9.3rpm

## COOLANT & LUBRICANT CAPACITY

	liter	US gal	UK gal
Fuel tank	200	52.8	44.0
Engine coolant	19.5	5.2	4.3
Engine oil	11	2.9	2.4
Swing device - grease	1.2	0.32	0.26
Axle	Front 15.5 Rear 17.5	4.09 4.62	3.41 3.85
Transmission	2.5	0.7	0.5
Hydraulic system (including tank)	187	49.4	41.1
Hydraulic tank	103	27.2	22.7
DEF/AdBlue®	48	12.7	10.6

## UNDERCARRIAGE

Reinforced box-section frame is all-welded, low-stress. Dozer blade and outriggers are available. A pin-on design.

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

## OPERATING WEIGHT (APPROXIMATE)

HW150ACR Operating weight, including 4,710mm(16' 5") 2-piece boom, 2,450mm(8' 0") arm, SAE heaped 0.71 m<sup>3</sup>(0.93yd<sup>3</sup>) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.  
HW170ACR Operating weight, including 5,000mm(16' 5") 2-piece boom, 2,450mm(8' 0") arm, SAE heaped 0.89m<sup>3</sup>(1.16yd<sup>3</sup>) backhoe bucket, lubricant, coolant, full fuel tank, hydraulic tank and the standard equipment.

## OPERATING WEIGHT

Model	HW150ACR	HW170ACR
Rear dozer blade	17,170 kg (37,850 lb)	18,820 kg (41,490 lb)
Rear outrigger	17,440 kg (38,450 lb)	19,090 kg (42,090 lb)
Front outrigger and rear blade	18,390 kg (40,540 lb)	20,040 kg (44,180 lb)
Front blade and rear outrigger	18,390 kg (40,540 lb)	20,040 kg (44,180 lb)

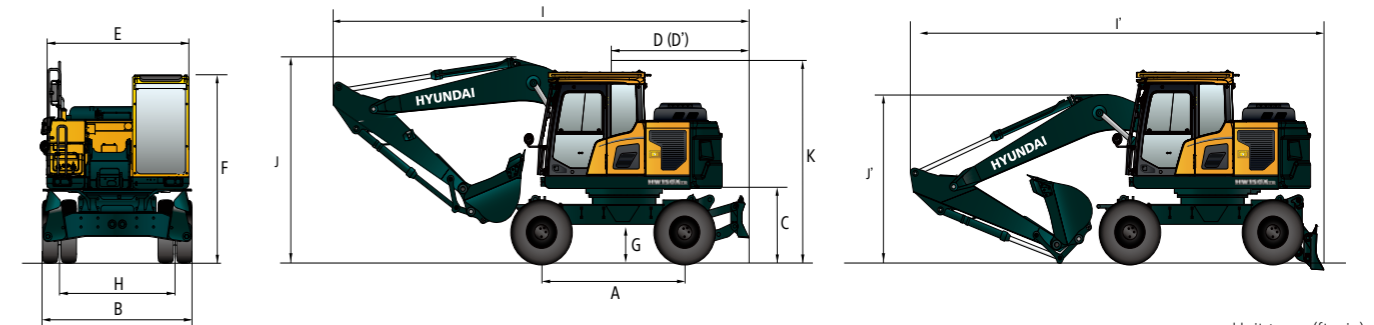
## AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1,430)  
The system hold 0.65kg refrigerant consisting of a CO<sub>2</sub> equivalent 0.93kg metric tonne. For more information, Please refer to the manual.

# DIMENSIONS & WORKING RANGE

## HW150A CR MONO BOOM DIMENSIONS

4.6m (15' 1") Mono boom, 2.0m (6' 7"), 2.45m (8' 0"), 2.6m (8' 6") Arm, Rear dozer



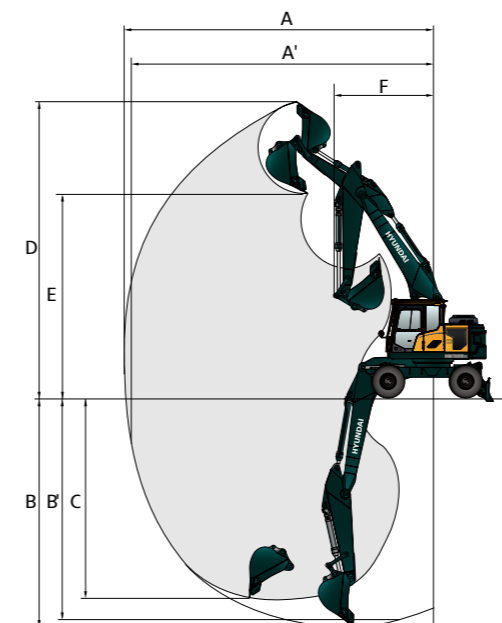
Unit : mm (ft · in)

A Wheel base	2,600 (8' 6")
B Overall width	2,530 (8' 4")
C Ground clearance of counterweight	1,265 (4' 2")
D Rear-end distance	1,790 (5' 10")
D' Rear-end swing radius	1,800 (5' 11")
E Upperstructure width	2,500 (8' 6")
F Overall height of cab	3,230 (10' 7")
G Min. ground clearance	370 (1' 3")
H Tread	1,944 (6' 5")
K Overall height of guardrail	3,450(11' 4")

Boom length	4,600 (15' 1")
Arm length	2,000 (6' 7") 2,450 (8' 0") 2,600 (8' 6")
I Overall length (Traveling position)	7,885 (25'10") 7,710 (25' 4") 7,610 (25' 0")
I' Overall length (Shipping position)	7,780 (25' 6") 7,830 (25' 8") 7,845 (25' 9")
J Overall height of boom (Traveling position)	3,270 (10' 9") 3,790 (12' 5") 3,930 (12' 11")
J' Overall height of boom (Shipping position)	2,820 (9' 3") 2,990 (9' 10") 3,110 (10' 2")

## HW150A CR MONO BOOM WORKING RANGE

Unit : mm (ft · in)

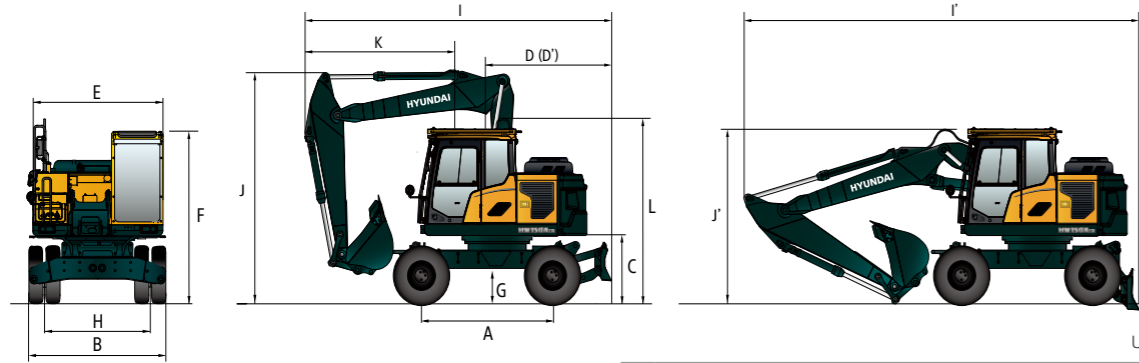


Boom length	4,600 (15' 1")
Arm length	2,000 (6' 7") 2,450 (8' 0") 2,600 (8' 6")
A Max. digging reach	7,940 (26' 1") 8,370 (27' 6") 8,520 (27' 11")
A' Max. digging reach on ground	7,710 (25' 4") 8,150 (26' 9") 8,300 (27' 3")
B Max. digging depth	4,680 (15' 4") 5,130 (16' 10") 5,280 (17' 4")
B' Max. digging depth (8' level)	4,425 (14' 6") 4,920 (16' 2") 5,070 (16' 8")
C Max. vertical wall digging depth	4,220 (13' 10") 4,675 (15' 4") 4,820 (15' 10")
D Max. digging height	8,520 (27' 11") 8,830 (29' 0") 8,920 (29' 3")
E Max. dumping height	6,080 (19' 11") 6,380 (20' 11") 6,470 (21' 3")
F Min. swing radius	2,650 (8' 8") 2,740 (9' 0") 2,755 (9' 0")

# DIMENSIONS & WORKING RANGE

## HW150A CR 2-PIECE BOOM DIMENSIONS

4.71m (15' 5") 2-Piece boom, 2.0m (6' 7"), 2.45m (8' 0"), 2.6m (8' 6") Arm, Rear dozer



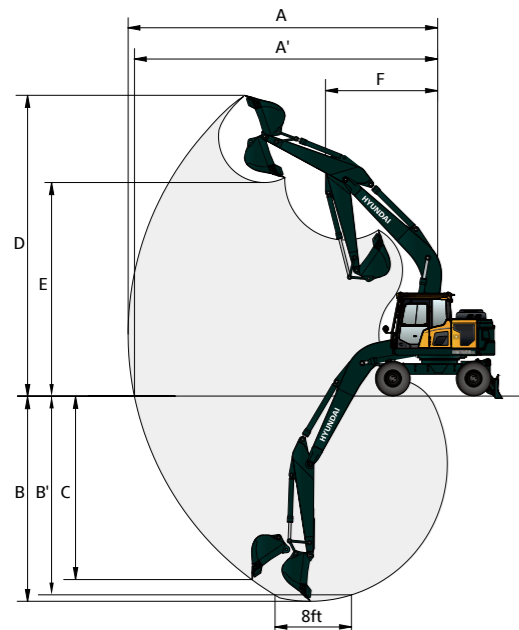
Unit : mm (ft · in)

A	Wheel base	2,600 (8' 6")
B	Overall width	2,530 (8' 4")
C	Ground clearance of counterweight	1,265 (4' 2")
D	Rear-end distance	1,790 (5' 10")
D'	Rear-end swing radius	1,800 (5' 11")
E	Upperstructure width	2,500 (8' 6")
F	Overall height of cab	3,230 (10' 7")
G	Min. ground clearance	370 (1' 3")
H	Tread	1,944 (6' 5")
L	Overall height of guardrail	3,450 (11' 4")

Boom length	4,710 (15' 5")			
Arm length	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")	
I	Overall length (Traveling position)	5,980 (19' 7")	5,940 (19' 6")	5,920 (19' 5")
I'	Overall length (Shipping position)	7,940 (26' 1")	7,945 (26' 1")	7,950 (26' 1")
J	Overall height of boom (Traveling position)	3,980 (13' 1")	3,970 (13' 0")	3,980 (13' 1")
J'	Overall height of boom (Shipping position)	2,940 (9' 8")	2,990 (9' 10")	3,040 (10' 0")
K	End of attachment to steering wheel	2,695 (8' 10")	2,665 (8' 9")	2,635 (8' 8")

## HW150A CR 2-PIECE BOOM WORKING RANGE

Unit : mm (ft · in)

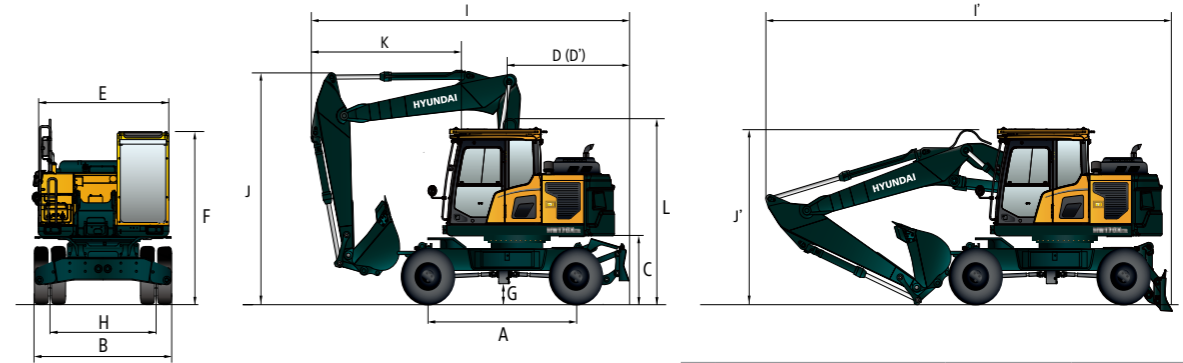


Boom length	4,710 (15' 5")			
Arm length	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")	
A	Max. digging reach	8,110 (26' 7")	8,550 (28' 1")	8,700 (28' 7")
A'	Max. digging reach on ground	7,890 (26' 7")	8,340 (27' 4")	8,490 (27' 10")
B	Max. digging depth	4,570 (15' 0")	5,020 (16' 6")	5,170 (17' 0")
B'	Max. digging depth (8' level)	4,450 (14' 7")	4,910 (14' 1")	5,060 (16' 7")
C	Max. vertical wall digging depth	3,950 (13' 0")	4,430 (14' 6")	4,575 (15' 0")
D	Max. digging height	9,110 (29' 11")	9,460 (31' 0")	9,580 (31' 5")
E	Max. dumping height	6,630 (21' 9")	6,970 (22' 10")	7,090 (23' 3")
F	Min. swing radius	2,660 (8' 9")	2,670 (8' 9")	2,710 (8' 11")

# DIMENSIONS & WORKING RANGE

## HW170A CR 2-PIECE BOOM DIMENSIONS

5.0m (16' 5") 2-Piece boom, 2.0m (6' 7"), 2.45m (8' 0"), 2.6m (8' 6") Arm, Rear dozer



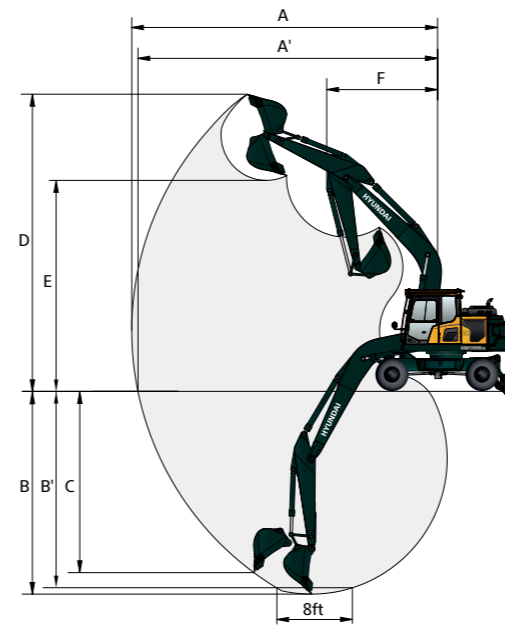
Unit : mm (ft · in)

A	Wheel base	2,600 (8' 6")
B	Overall width (STD / Wide axle)	2,530 (8' 4") / 2,700 (8' 10")
C	Ground clearance of counterweight	1,265 (4' 2")
D	Rear-end distance	1,830 (6' 0")
D'	Rear-end swing radius	1,830 (6' 0")
E	Upperstructure width	2,500 (8' 6")
F	Overall height of cab	3,220 (10' 7")
G	Min. ground clearance	370 (1' 3")
H	Tread	1,944 (6' 5")
L	Overall height of guardrail	3,450 (11' 4")

Boom length	5,000 (16' 5")			
Arm length	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")	
I	Overall length (Traveling position)	6,340 (20' 10")	6,310 (20' 8")	6,250 (20' 6")
I'	Overall length (Shipping position)	8,330 (27' 4")	8,290 (27' 2")	8,250 (27' 1")
J	Overall height of boom (Traveling position)	4,000 (13' 1")	3,990 (13' 1")	4,000 (13' 1")
J'	Overall height of boom (Shipping position)	3,190 (10' 6")	3,150 (10' 4")	3,400 (11' 2")
K	End of attachment to steering wheel	3,050 (10' 0")	3,030 (9' 11")	2,960 (9' 9")

## HW170A CR 2-PIECE BOOM WORKING RANGE

Unit : mm (ft · in)



Boom length	5,000 (16' 5")			
Arm length	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")	
A	Max. digging reach	8,490 (27' 10")	8,950 (29' 4")	9,020 (29' 7")
A'	Max. digging reach on ground	8,280 (27' 2")	8,750 (28' 8")	8,820 (28' 11")
B	Max. digging depth	4,980 (16' 4")	5,440 (17' 10")	5,565 (18' 3")
B'	Max. digging depth (8' level)	4,870 (16' 0")	5,340 (17' 6")	5,460 (17' 11")
C	Max. vertical wall digging depth	4,150 (13' 7")	4,680 (15' 4")	4,680 (15' 4")
D	Max. digging height	9,370 (30' 9")	9,785 (32' 1")	9,680 (31' 9")
E	Max. dumping height	6,660 (21' 10")	7,060 (23' 2")	6,980 (22' 11")
F	Min. swing radius	3,380 (11' 1")	3,040 (10' 0")	3,500 (11' 6")

# LIFTING CAPACITY



## HW150A CR MONO BOOM

4.6m (15' 1") Mono boom, 2.00m (6' 7") arm equipped with 3,250kg counter weight, dozer down.

Lift-point height m (ft)	Lift-point radius										At max. reach	
	1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach m (ft)	
6.0m 19.7ft	kg lb					*4,420 *9,740	4,350 9,590			*3,340 *7,360	*3,340 *7,360	5.19 (17.0)
4.5m 14.8ft	kg lb					*4,810 *10,600	4,240 9,350	*3,870 *8,530	2,710 5,970	*3,120 *6,880	2,610 5,750	6.13 (20.1)
3.0m 9.8ft	kg lb					*5,800 *12,790	4,020 8,860	4,190 9,240	2,640 5,820	*3,150 *6,940	2,290 5,050	6.59 (21.6)
1.5m 4.9ft	kg lb					6,280 13,850	3,800 8,380	4,090 9,020	2,550 5,620	*3,380 *7,450	2,190 4,830	6.68 (21.9)
0.0m 0.0ft	kg lb			*6,020 *13,270	*6,020 *13,270	6,150 13,560	3,680 8,110	4,030 8,880	2,500 5,510	3,670 8,090	2,290 5,050	6.42 (21.0)
-1.5m -4.9ft	kg lb	*6,310 *13,910	*6,310 *13,910	*9,650 *21,270	6,750 14,880	6,150 13,560	3,680 8,110			4,310 9,500	2,670 5,890	5.74 (18.8)
-3.0m -9.8ft	kg lb			*7,160 *15,790	6,940 15,300					*4,610 *10,160	3,860 8,510	4.46 (14.6)

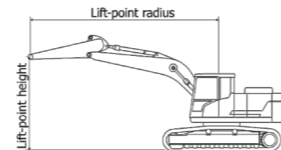
4.6m (15' 1") Mono boom, 2.00m (6' 7") arm equipped with 3,250kg counter weight, dozer up.

Lift-point height m (ft)	Lift-point radius										At max. reach	
	3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach m (ft)	
6.0m 19.7ft	kg lb					*4,420 *9,740	3,930 8,660			*3,340 *7,360	3,100 6,830	5.19 (17.0)
4.5m 14.8ft	kg lb					*4,810 *10,600	3,830 8,440	*3,870 *8,530	2,440 5,380	*3,120 *6,880	2,350 5,180	6.13 (20.1)
3.0m 9.8ft	kg lb					*5,800 *12,790	3,610 7,960	4,190 9,240	2,380 5,250	*3,150 *6,940	2,050 4,520	6.59 (21.6)
1.5m 4.9ft	kg lb					6,280 13,850	3,390 7,470	4,090 9,020	2,290 5,050	*3,380 *7,450	1,970 4,340	6.68 (21.9)
0.0m 0.0ft	kg lb			*6,020 *13,270	5,860 12,920	6,150 13,560	3,280 7,230	4,030 8,880	2,240 4,940	3,670 8,090	2,050 4,520	6.42 (21.0)
-1.5m -4.9ft	kg lb	*6,310 *13,910	*6,310 *13,910	*9,650 *21,270	5,920 13,050	6,150 13,560	3,280 7,230			4,310 9,500	2,390 5,270	5.74 (18.8)
-3.0m -9.8ft	kg lb			*7,160 *15,790	6,090 13,430					*4,610 *10,160	3,450 7,610	4.46 (14.6)

4.6m (15' 1") Mono boom, 2.45m (8' 0") arm equipped with 3,250kg counter weight, dozer down.

Lift-point height m (ft)	Lift-point radius										At max. reach	
	3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach m (ft)	
7.5m 24.6ft	kg lb					*2,900 *6,390	*2,900 *6,390			*2,900 *6,390	*2,900 *6,390	4.19 (13.7)
6.0m 19.7ft	kg lb					*2,400 *5,290	*2,400 *5,290			*2,400 *5,290	*2,400 *5,290	5.74 (18.8)
4.5m 14.8ft	kg lb					*4,340 *9,570	4,300 9,480	*3,870 *8,530	2,740 6,040	*2,250 *4,960	*2,250 *4,960	6.60 (21.7)
3.0m 9.8ft	kg lb					*8,000 *17,640	7,500 16,530	*5,370 *11,840	4,060 8,950	4,200 9,260	2,650 5,840	7.03 (23.1)
1.5m 4.9ft	kg lb					*5,100 *11,240	*5,100 *11,240	6,300 13,890	3,810 8,400	4,080 8,990	2,540 5,600	7.12 (23.3)
0.0m 0.0ft	kg lb			*6,320 *13,930	*6,320 *13,930	6,130 13,510	3,660 8,070	4,000 8,820	2,470 5,450	*2,730 *6,020	2,050 4,520	6.87 (22.5)
-1.5m -4.9ft	kg lb	*5,450 *12,020	*5,450 *12,020	*10,200 *22,490	6,650 14,660	6,090 13,430	3,620 7,980	3,990 8,800	2,460 5,420	*3,420 *7,540	2,340 5,160	6.24 (20.5)
-3.0m -9.8ft	kg lb			*8,180 *18,030	6,800 14,990	*5,500 *12,130	3,700 8,160			*4,460 *9,830	3,140 6,920	5.10 (16.7)

- Lifting capacity are based on ISO 10567.
- Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- (\*) indicates load limited by hydraulic capacity.



## HW150A CR MONO BOOM

4.6m (15' 1") Mono boom, 2.45m (8' 0") arm equipped with 3,250kg counter weight, dozer up.

Lift-point height m (ft)	Lift-point radius										At max. reach	
	1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach m (ft)	
7.5m 24.6ft	kg lb					*2,900 *6,390	*2,900 *6,390			*2,900 *6,390	*2,900 *6,390	4.19 (13.7)
6.0m 19.7ft	kg lb					*2,400 *5,290	*2,400 *5,290			*2,400 *5,290	*2,400 *5,290	5.74 (18.8)
4.5m 14.8ft	kg lb					*4,340 *9,570	4,300 9,480	*3,870 *8,530	2,740 6,040	*2,250 *4,960	*2,250 *4,960	6.60 (21.7)
3.0m 9.8ft	kg lb					*8,000 *17,640	7,500 16,530	*5,370 *11,840	4,060 8,950	4,200 9,260	2,650 5,840	7.03 (23.1)
1.5m 4.9ft	kg lb					*5,100 *11,240	*5,100 *11,240	6,300 13,890	3,810 8,400	4,080 8,990	2,540 5,600	7.12 (23.3)
0.0m 0.0ft	kg lb			*6,320 *13,930	*6,320 *13,930	6,130 13,510	3,660 8,070	4,000 8,820	2,470 5,450	*2,730 *6,020	2,050 4,520	6.87 (22.5)
-1.5m -4.9ft	kg lb	*5,450 *12,020	*5,450 *12,020	*10,200 *22,490	6,650 14,660	6,090 13,430	3,620 7,980	3,990 8,800	2,460 5,420	*3,420 *7,540	2,340 5,160	6.24 (20.5)
-3.0m -9.8ft	kg lb			*8,180 *18,030	6,800 14,990	*5,500 *12,130	3,700 8,160			*4,460 *9,830	3,140 6,920	5.10 (16.7)

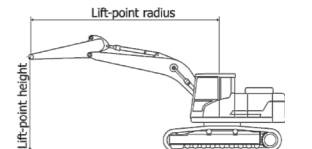
4.6m (15' 1") Mono boom, 2.60m (8' 6") arm equipped with 3,250kg counter weight, dozer down.

Lift-point height m (ft)	Lift-point radius										At max. reach	
	1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach m (ft)	
7.5m 24.6ft	kg lb					*2,670 *5,890	*2,670 *5,890			*2,670 *5,890	*2,670 *5,890	4.43 (14.5)
6.0m 19.7ft	kg lb					*2,230 *4,920	*2,230 *4,920			*2,230 *4,920	*2,230 *4,920	5.92 (19.4)
4.5m 14.8ft	kg lb					*4,190 *9,240	*4,190 *9,240	*3,770 *8,310	2,750 6,060	*2,100 *4,630	*2,100 *4,630	6.76 (22.2)
3.0m 9.8ft	kg lb					*7,640 *16,840	7,570 16,690	*5,230 *11,530	4,080 8,990	4,210 9,280	2,660 5,860	7.18 (23.5)
1.5m 4.9ft	kg lb					*5,810 *12,810	*5,810 *12,810	6,310 13,910	3,820 8,420	4,080 8,990	2,540 5,600	7.26 (23.8)
0.0m 0.0ft	kg lb			*6,390 *14,090	*6,390 *14,090	6,130 13,510	3,650 8,050	3,990 8,800	2,460 5,420	*2,540 *5,600	1,990 4,390	7.01 (23.0)
-1.5m -4.9ft	kg lb	*5,220 *11,510	*5,220 *11,510	*10,050 *22,160	6,610 14,570	6,070 13,380	3,610 7,960	3,970 8,750	2,440 5,380	*3,130 *6,900	2,250 4,960	6.40 (21.0)
-3.0m -9.8ft	kg lb			*9,280 *20,460	*9,280 *20,460	*8,470 *18,670	6,750 14,880	*5,700 *12,570	3,670 8,090	*4,400 *9,700	2,960 6,530	5.30 (17.4)

4.6m (15' 1") Mono boom, 2.60m (8' 6") arm equipped with 3,250kg counter weight, dozer up.

Lift-point height m (ft)	Lift-point radius										At max. reach	
	1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach m (ft)	
7.5m 24.6ft	kg lb					*2,670 *5,890	*2,670 *5,890			*2,670 *5,890	*2,670 *5,890	4.43 (14.5)
6.0m 19.7ft	kg lb					*2,230 *4,920	*2,230 *4,920			*2,230 *4,920	*2,230 *4,920	5.92 (19.4)
4.5m 14.8ft	kg lb					*4,190 *9,240	*4,190 *9,240	*3,770 *8,310	2,480 5,470	*2,100 *4,630	*2,100 *4,630	6.76 (22.2)
3.0m 9.8ft	kg lb					*7,640 *16,840	6,690 14,750	*5,230 *11,530	3,660 8,070	4,210 9,280	2,390 5,270	7.18 (23.5)
1.5m 4.9ft	kg lb					*5,810 *12,810	*5,810 *12,810	6,310 13,910	3,410 7,520	4,080 8,990	2,280 5,030	7.26 (23.8)
0.0m 0.0ft	kg lb			*6,390 *14,090	*6,390 *14,090	6,130 13,510	3,250 7,170	3,990 8,800	2,200 4,850	*2,540 *5,600	1,780 3,920	7.01 (23.0)
-1.5m -4.9ft	kg lb	*5,220 *11,510	*5,220 *11,510	*10,050 *22,160	5,780 12,740	6,070 13,380	3,200 7,050	3,970 8,750	2,180 4,810	*3,130 *6,900	2,010 4,430	6.40 (21.0)
-3.0m -9.8ft	kg lb			*9,280 *20,460	*9,280 *20,460	*8,470 *18,670	5,910 13,030	*5,700 *12,570	3,270 7,210	*4,400 *9,700	2,650 5,840	5.30 (17.4)

- Lifting capacity are based on ISO 10567.
- Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- (\*) indicates load limited by hydraulic capacity.



# LIFTING CAPACITY



## HW150A CR 2-PIECE BOOM

4.71m (15' 5") 2-Piece boom, 2.00m (6' 7") arm equipped with 3,250kg counter weight, dozer down.

Lift-point height m (ft)	Lift-point radius						At max. reach		
	3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity	Reach	
	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	kg (lb)	m (ft)	
7.5m 24.6ft							*4,440	*4,440	3.71 (12.2)
6.0m 19.7ft			*4,210	*4,210			*3,480	3,200	5.41 (17.8)
4.5m 14.8ft	*5,850	*5,850	*4,650	4,240	*4,240	2,710	*3,210	2,470	6.32 (20.7)
3.0m 9.8ft			*10,250	9,350	*9,350	5,970	*7,080	5,450	
1.5m 4.9ft			*5,640	3,990	4,190	2,630	*3,180	2,180	6.77 (22.2)
0.0m 0.0ft			*12,430	8,800	9,240	5,800	*7,010	4,810	
-1.5m -4.9ft	*9,690	6,710	6,270	3,760	4,080	2,530	*3,350	2,090	6.86 (22.5)
			13,820	8,290	8,990	5,580	*7,390	4,610	
			6,140	3,640	4,020	2,470	3,530	2,190	6.60 (21.6)
			13,540	8,020	8,860	5,450	7,780	4,830	
			6,140	3,640			4,110	2,530	5.94 (19.5)
			*21,360	14,790	13,540	8,020	9,060	5,580	

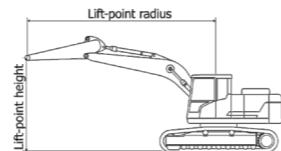
4.71m (15' 5") 2-Piece boom, 2.00m (6' 7") arm equipped with 3,250kg counter weight, dozer up.

Lift-point height m (ft)	Lift-point radius						At max. reach		
	3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity	Reach	
	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	kg (lb)	m (ft)	
7.5m 24.6ft							*4,440	*4,440	3.71 (12.2)
6.0m 19.7ft			*4,210	3,940			*3,480	2,880	5.41 (17.8)
4.5m 14.8ft	*5,850	*5,850	*4,650	3,820	*4,240	2,440	*3,210	2,220	6.32 (20.7)
3.0m 9.8ft			*10,250	8,420	*9,350	5,380	*7,080	4,890	
1.5m 4.9ft			*5,640	3,570	4,190	2,360	*3,180	1,950	6.77 (22.2)
0.0m 0.0ft			*12,430	7,870	9,240	5,200	*7,010	4,300	
-1.5m -4.9ft	*9,690	5,860	6,270	3,350	4,080	2,260	*3,350	1,870	6.86 (22.5)
			13,820	7,390	8,990	4,980	*7,390	4,120	
			6,140	3,240	4,020	2,210	3,530	1,950	6.60 (21.6)
			13,540	7,140	8,860	4,870	7,780	4,300	
			6,140	3,240			4,110	2,260	5.94 (19.5)
			*21,360	12,920	13,540	7,140	9,060	4,980	

4.71m (15' 5") 2-Piece boom, 2.45m (8' 0") arm equipped with 3,250kg counter weight, dozer down.

Lift-point height m (ft)	Lift-point radius								At max. reach		
	3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity	Reach	
	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	kg (lb)	m (ft)	
7.5m 24.6ft									*3,050	*3,050	4.49 (14.7)
6.0m 19.7ft			*3,710	*3,710					*2,510	*2,510	5.97 (19.6)
4.5m 14.8ft			*8,180	*8,180	*4,210	*4,210	*3,880	2,730	*2,330	2,210	6.80 (22.3)
3.0m 9.8ft			*9,280	*9,280	*9,280	*9,280	*8,550	6,020	*5,140	4,870	
1.5m 4.9ft			*5,230	4,040	4,200	2,630	*2,310	1,970	*2,310	1,970	7.21 (23.7)
0.0m 0.0ft			*11,530	8,910	9,260	5,800	*5,090	4,340	*5,090	4,340	
-1.5m -4.9ft	*4,890	*4,890	6,290	3,770	4,080	2,520	*2,410	1,890	*2,410	1,890	7.30 (23.9)
			13,870	8,310	8,990	5,560	*5,310	4,170	*5,310	4,170	
			6,120	3,620	3,990	2,440	*2,670	1,960	*2,670	1,960	7.05 (23.1)
			*10,780	*10,780	13,490	7,980	*5,890	4,320	*5,890	4,320	
			*8,930	6,600	6,080	3,590	3,980	2,430	*3,210	2,230	6.45 (21.1)
			*19,690	14,550	13,400	7,910	8,770	5,360	*7,080	4,920	

- Lifting capacity are based on ISO 10567.
- Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- (\*) indicates load limited by hydraulic capacity.



## HW150A CR 2-PIECE BOOM

4.71m (15' 5") 2-Piece boom, 2.45m (8' 0") arm equipped with 3,250kg counter weight, dozer up.

Lift-point height m (ft)	Lift-point radius								At max. reach		
	3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity	Reach	
	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	kg (lb)	m (ft)	
7.5m 24.6ft									*3,050	*3,050	4.49 (14.7)
6.0m 19.7ft			*3,710	*3,710					*2,510	2,480	5.97 (19.6)
4.5m 14.8ft			*8,180	*8,180	*4,210	3,870	*3,880	2,460	*2,330	1,980	6.80 (22.3)
3.0m 9.8ft			*9,280	*9,280	*9,280	8,530	*8,550	5,420	*5,140	4,370	
1.5m 4.9ft			*5,230	3,620	4,200	2,360	*2,310	1,760	*2,310	1,760	7.21 (23.7)
0.0m 0.0ft			*11,530	7,980	9,260	5,200	*5,090	3,880	*5,090	3,880	
-1.5m -4.9ft	*4,890	*4,890	6,290	3,360	4,080	2,250	*2,410	1,690	*2,410	1,690	7.30 (23.9)
			13,870	7,410	8,990	4,960	*5,310	3,730	*5,310	3,730	
			6,120	3,210	3,990	2,180	*2,670	1,750	*2,670	1,750	7.05 (23.1)
			*10,780	*10,780	13,490	7,080	*5,890	3,860	*5,890	3,860	
			*8,930	5,760	6,080	3,180	3,980	2,160	*3,210	1,980	6.45 (21.1)
			*19,690	12,700	13,400	7,010	8,770	4,760	*7,080	4,370	

4.71m (15' 5") 2-Piece boom, 2.60m (8' 6") arm equipped with 3,250kg counter weight, dozer down.

Lift-point height m (ft)	Lift-point radius								At max. reach				
	1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)				
	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side			
7.5m 24.6ft											*2,810	*2,810	4.73 (15.5)
6.0m 19.7ft			*3,420	*3,420							*2,330	*2,330	6.15 (20.2)
4.5m 14.8ft			*7,540	*7,540	*3,560	*3,560	*2,880	2,760	*6,350	6,080	*5,140	*5,140	6.95 (22.8)
3.0m 9.8ft			*7,850	*7,850	*7,850	*7,850	*6,350	6,080	*5,140	5,140	*2,170	2,130	7.36 (24.2)
1.5m 4.9ft			*4,060	*4,060	*4,060	*4,060	*3,780	2,750	*2,170	2,130	*2,170	2,130	7.44 (24.4)
0.0m 0.0ft			*8,950	*8,950	*8,950	*8,950	*8,330	6,060	*4,780	4,700	*4,780	4,700	
-1.5m -4.9ft			*7,590	7,510	*5,090	4,060	*4,180	2,640	*2,160	1,910	*2,160	1,910	7.44 (24.4)
			*16,730	16,560	*11,220	8,950	*9,220	5,820	*4,760	4,210	*4,760	4,210	
			6,200	3,780	4,080	2,520	*2,250	1,840	*2,250	1,840	*2,250	1,840	7.20 (23.6)
			*13,670	8,330	8,990	5,560	*4,960	4,060	*4,960	4,060	*4,960	4,060	
			*4,980	*4,980	6,110	3,610	3,990	2,430	*2,480	1,900	*2,480	1,900	7.20 (23.6)
			*10,980	*10,980	13,470	7,960	*5,470	4,190	*5,470	4,190	*5,470	4,190	
			*8,600	6,560	6,060	3,570	3,960	2,420	*2,960	2,140	*2,960	2,140	6.61 (21.7)
			*18,960	14,460	13,360	7,870	8,730	5,340	*6,530	4,720	*6,530	4,720	
					*5,860	3,640							
					*12,920	8,020							

4.71m (15' 5") 2-Piece boom, 2.60m (8' 6") arm equipped with 3,250kg counter weight, dozer up.

Lift-point height m (ft)	Lift-point radius								At max. reach				
	1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)				
	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side	Over-front	Over-side			
7.5m 24.6ft											*2,810	*2,810	4.73 (15.5)
6.0m 19.7ft			*3,420	*3,420							*2,330	*2,330	6.15 (20.2)
4.5m 14.8ft			*7,540	*7,540	*3,560	*3,560	*2,880	2,490	*6,350	5,490	*5,140	*5,140	6.95 (22.8)
3.0m 9.8ft			*7,850	*7,850	*7,850	*7,850	*6,350	6,080	*5,140	5,140	*2,170	1,910	7.36 (24.2)
1.5m 4.9ft			*4,060	*4,060	*4,060	*4,060	*3,780	2,470	*2,170	1,910	*2,170	1,910	7.44 (24.4)
0.0m 0.0ft			*8,950	*8,950	*8,950	*8,950	*8,330	5,450	*4,780	4,210	*4,780	4,210	
-1.5m -4.9ft			*7,590	6,620	*5,090	3,640	*4,180	2,370	*2,160	1,710	*2,160	1,710	7.36 (24.2)
			*16,730	14,590	*11,220	8,020	*9,220	5,220	*4,760	3,770	*4,760	3,770	
			6,200	3,370	4,080	2,250	*2,250	1,640	*2,250	1,640	*2,250	1,640	7.44 (24.4)
			*13,670	7,430	8,990	4,960	*4,960	3,620	*4,960	3,620	*4,960	3,620	
			*4,980	*4,980	6,110	3,200	3,990	2,170	*2,480	1,690	*2,480	1,690	7.20 (23.6)
			*10,980	*10,980	13,470	7,050	*5,470	3,730	*5,470	3,730	*5,470	3,730	
			*8,600	5,720	6,060	3,160	3,960	2,150	*2,960	1,910	*2,960	1,910	6.61 (21.7)
			*18,960	12,610	13,360	6,970	8,730	4,740	*6,530	4,210	*6,530	4,210	
					*5,860	3,230							
					*12,920	7,120							

# LIFTING CAPACITY



## HW170A CR 2-PIECE BOOM

5.0m (16' 5") 2-Piece boom, 2.00 m (6' 7") arm equipped with 4,200kg counter weight, dozer down.

Lift-point height m (ft)	Lift-point radius						At max. reach		
	3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity	Reach	
7.5m 24.6ft	kg lb						*4,790 *10,560	*4,790 *10,560	4.19 (13.8)
6.0m 19.7ft	kg lb		*4,310 *9,500	*4,310 *9,500			*4,390 *9,680	3,240 7,140	5.75 (18.9)
4.5m 14.8ft	kg lb		*4,930 *10,870	4,680 10,320	*4,350 *9,590	3,000 6,610	4,000 8,820	2,550 5,620	6.60 (21.7)
3.0m 9.8ft	kg lb		*6,070 *13,380	4,350 9,590	4,560 10,050	2,880 6,350	3,570 7,870	2,250 4,960	7.03 (23.1)
1.5m 4.9ft	kg lb		6,770 14,930	4,070 8,970	4,430 9,770	2,750 6,060	3,450 7,610	2,160 4,760	7.12 (23.4)
0.0m 0.0ft	kg lb		6,630 14,620	3,940 8,690	4,340 9,570	2,680 5,910	3,600 7,940	2,240 4,940	6.87 (22.5)
-1.5m -4.9ft	kg lb	*9,480 *20,900	7,320 16,140	6,630 14,620	3,950 8,710	2,690 5,930	4,140 9,130	2,570 5,670	6.24 (20.5)

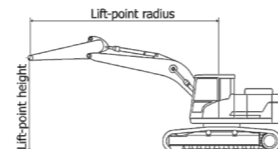
5.0m (16' 5") 2-Piece boom, 2.00 m (6' 7") arm equipped with 4,200kg counter weight, dozer up.

Lift-point height m (ft)	Lift-point radius						At max. reach		
	3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity	Reach	
7.5m 24.6ft	kg lb						*4,790 *10,560	*4,790 *10,560	4.19 (13.8)
6.0m 19.7ft	kg lb		*4,310 *9,500	*4,310 *9,500			*4,390 *9,680	2,920 6,440	5.75 (18.9)
4.5m 14.8ft	kg lb		*4,930 *10,870	4,220 9,300	*4,350 *9,590	2,700 5,950	4,000 8,820	2,290 5,050	6.60 (21.7)
3.0m 9.8ft	kg lb		*6,070 *13,380	3,900 8,600	4,560 10,050	2,590 5,710	3,570 7,870	2,020 4,450	7.03 (23.1)
1.5m 4.9ft	kg lb		6,770 14,930	3,620 7,980	4,430 9,770	2,460 5,420	3,450 7,610	1,930 4,250	7.12 (23.4)
0.0m 0.0ft	kg lb		6,630 14,620	3,500 7,720	4,340 9,570	2,390 5,270	3,600 7,940	2,000 4,410	6.87 (22.5)
-1.5m -4.9ft	kg lb	*9,480 *20,900	6,400 14,110	6,630 14,620	3,510 7,740	2,400 5,290	4,140 9,130	2,290 5,050	6.24 (20.5)

5.0m (16' 5") 2-Piece boom, 2.45 m (8' 0") arm equipped with 4,200kg counter weight, dozer down.

Lift-point height m (ft)	Lift-point radius								At max. reach		
	3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity	Reach	
7.5m 24.6ft	kg lb			*4,020 *8,860	*4,020 *8,860				*2,760 *6,080	*2,760 *6,080	4.95 (16.2)
6.0m 19.7ft	kg lb		*3,820 *8,420	*3,820 *8,420	*3,550 *7,830	3,070 6,770			*2,330 *5,140	*2,330 *5,140	6.31 (20.7)
4.5m 14.8ft	kg lb		*4,470 *9,850	*4,470 *9,850	*4,010 *8,840	3,020 6,660			*2,180 *4,810	*2,180 *4,810	7.10 (23.3)
3.0m 9.8ft	kg lb		*5,630 *12,410	4,410 9,720	*4,480 *9,880	2,880 6,350	*2,180 *4,810	2,020 4,450	*2,160 *4,760	2,020 4,450	7.50 (24.6)
1.5m 4.9ft	kg lb		*6,770 *14,930	4,080 8,990	4,420 9,740	2,740 6,040	*2,940 *6,480	1,980 4,370	*2,260 *4,980	1,940 4,280	7.58 (24.9)
0.0m 0.0ft	kg lb		6,600 14,550	3,910 8,620	4,310 9,500	2,640 5,820			*2,490 *5,490	2,010 4,430	7.35 (24.1)
-1.5m -4.9ft	kg lb	*8,350 *18,410	7,170 15,810	6,560 14,460	3,880 8,550	4,280 9,440	2,620 5,780		*2,960 *6,530	2,250 4,960	6.77 (22.2)
-3.0m -9.8ft	kg lb			*6,380 *14,070	3,970 8,750						

- Lifting capacity are based on ISO 10567.
- Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- (\*) indicates load limited by hydraulic capacity.



## HW170A CR 2-PIECE BOOM

5.0m (16' 5") 2-Piece boom, 2.45 m (8' 0") arm equipped with 4,200kg counter weight, dozer up.

Lift-point height m (ft)	Lift-point radius						At max. reach				
	3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity	Reach	
7.5m 24.6ft	kg lb			*4,040 *8,910	*4,040 *8,910				*3,280 *7,230	*3,280 *7,230	4.95 (16.2)
6.0m 19.7ft	kg lb		*3,820 *8,420	*3,820 *8,420	*3,900 *8,600	2,770 6,110			*2,780 *6,130	2,510 5,530	6.31 (20.7)
4.5m 14.8ft	kg lb		*4,470 *9,850	4,290 9,460	*4,010 *8,840	2,730 6,020			*2,600 *5,730	2,030 4,480	7.10 (23.3)
3.0m 9.8ft	kg lb		*5,630 *12,410	3,950 8,710	*4,480 *9,880	2,590 5,710	*2,610 *5,750	1,810 3,990	*2,590 *5,710	1,810 3,990	7.50 (24.6)
1.5m 4.9ft	kg lb		*6,770 *14,930	3,640 8,020	4,420 9,740	2,450 5,400	*3,180 7,010	1,760 3,880	*2,700 *5,950	1,730 3,810	7.58 (24.9)
0.0m 0.0ft	kg lb		6,600 14,550	3,470 7,650	4,310 9,500	2,350 5,180			*2,980 *6,570	1,790 3,950	7.35 (24.1)
-1.5m -4.9ft	kg lb	*9,110 *20,080	6,260 13,800	6,560 14,460	3,430 7,560	4,280 9,440	2,330 5,140		*3,530 *7,780	2,010 4,430	6.77 (22.2)
-3.0m -9.8ft	kg lb			*6,380 *14,070	3,520 7,760						

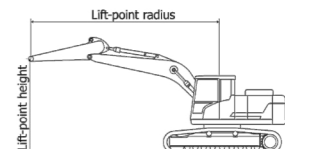
5.0m (16' 5") 2-Piece boom, 2.6 m (8' 6") arm equipped with 4,200kg counter weight, dozer down.

Lift-point height m (ft)	Lift-point radius						At max. reach				
	3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity	Reach	
7.5m 24.6ft	kg lb			*3,810 *8,400	*3,810 *8,400				*2,920 *6,440	*2,920 *6,440	5.15 (16.9)
6.0m 19.7ft	kg lb		*3,660 *8,070	*3,660 *8,070	*3,740 *8,250	3,090 6,810			*2,510 *5,530	*2,510 *5,530	6.47 (21.2)
4.5m 14.8ft	kg lb		*4,310 *9,500	*4,310 *9,500	*4,310 *8,600	3,030 6,680			*2,360 *5,200	2,190 4,830	7.24 (23.7)
3.0m 9.8ft	kg lb		*5,480 *12,080	4,430 9,770	*4,390 *9,680	2,890 6,370	*3,130 *6,900	2,020 4,450	*2,360 *5,200	1,960 4,320	7.63 (25.0)
1.5m 4.9ft	kg lb		*6,660 *14,680	4,090 9,020	4,420 9,740	2,740 6,040	*3,170 6,990	1,970 4,340	*2,470 *5,450	1,890 4,170	7.71 (25.3)
0.0m 0.0ft	kg lb		6,590 14,530	3,900 8,600	4,300 9,480	2,630 5,800			*2,730 *6,020	1,940 4,280	7.48 (24.5)
-1.5m -4.9ft	kg lb	*8,140 *17,950	7,130 15,720	6,540 14,420	3,850 8,490	4,270 9,410	2,600 5,730		*3,240 *7,140	2,170 4,780	6.91 (22.7)
-3.0m -9.8ft	kg lb			*6,510 *14,350	3,930 8,660						

5.0m (16' 5") 2-Piece boom, 2.6 m (8' 6") arm equipped with 4,200kg counter weight, dozer up.

Lift-point height m (ft)	Lift-point radius								At max. reach		
	3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity	Reach	
7.5m 24.6ft	kg lb			*3,810 *8,400	*3,810 *8,400				*3,480 *7,670	*3,480 *7,670	5.15 (16.9)
6.0m 19.7ft	kg lb		*3,660 *8,070	*3,660 *8,070	*3,740 *8,250	2,790 6,150			*2,990 *6,590	2,420 5,340	6.47 (21.2)
4.5m 14.8ft	kg lb		*4,310 *9,500	*4,310 *9,500	*4,310 *8,600	2,740 6,040			*2,830 *6,240	1,970 4,340	7.24 (23.7)
3.0m 9.8ft	kg lb		*5,480 *12,080	3,970 8,750	*4,390 *9,680	2,600 5,730	3,230 7,120	1,810 3,990	*2,820 *6,220	1,750 3,860	7.63 (25.0)
1.5m 4.9ft	kg lb		*6,660 *14,680	3,640 8,020	4,420 9,740	2,450 5,400	*3,170 6,990	1,760 3,880	*2,950 *6,500	1,680 3,700	7.71 (25.3)
0.0m 0.0ft	kg lb		6,590 14,530	3,460 7,630	4,300 9,480	2,340 5,160			*3,150 *6,940	1,730 3,810	7.48 (24.5)
-1.5m -4.9ft	kg lb	*8,880 *19,580	6,210 13,690	6,540 14,420	3,410 7,520	4,270 9,410	2,310 5,090		3,520 7,760	1,930 4,250	6.91 (22.7)
-3.0m -9.8ft	kg lb			*6,510 *14,350	3,490 7,690						

- Lifting capacity are based on ISO 10567.
- Lifting capacity does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.
- The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- (\*) indicates load limited by hydraulic capacity.



# BUCKET SELECTION GUIDE & DIGGING FORCE

## HW150A CR BUCKETS



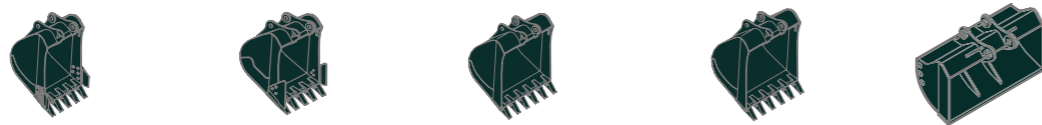
SAE heaped m<sup>3</sup> (yd<sup>3</sup>)    ◆ 0.50 (0.65)    ◆ 0.61 (0.80)    0.52 (0.68) 0.58 (0.76)    0.65 (0.85)    0.71 (0.93)    ▣ 0.45 (0.59)    ◎ 0.55 (0.72)

Capacity m <sup>3</sup> (yd <sup>3</sup> )		Width mm (in)		Weight kg (lb)	Tooth EA	Recommendation mm (ft.in)					
						3,250 kg CWT					
SAE heaped	CECE heaped	Without side cutters	With side cutters			4,600 (15' 1") Mono Boom			4,710 (2PCS) (15' 5") Mono Boom		
						2,000 (6' 7") Arm	2,450 (8' 0") Arm	2,600 (8' 6") Arm	2,000 (6' 7") Arm	2,450 (8' 0") Arm	2,600 (8' 6") Arm
0.58 (0.76)	0.50 (0.65)	950 (37.4)	1,100 (43.7)	480 (1,060)	5	●	○	○	●	○	■
0.52 (0.68)	0.45 (0.59)	870 (34.3)	1,020 (40.2)	460 (1,010)	5	●	●	●	●	●	○
0.65 (0.85)	0.55 (0.72)	1,060 (41.7)	1,210 (47.6)	513 (1,130)	5	○	■	■	○	■	■
0.71 (0.93)	0.60 (0.78)	1,140 (44.9)	1,300 (51.2)	536 (1,180)	5	○	■	■	■	▲	▲
▣ 0.45 (0.59)	0.40 (0.52)	1,520 (59.8)	1,520 (59.8)	410 (900)	0	●	●	●	●	●	●
◎ 0.55 (0.72)	0.45 (0.59)	1,800 (70.9)	1,800 (70.9)	585 (1,290)	0	●	○	○	●	○	■
◆ 0.50 (0.65)	0.45 (0.59)	762 (30.0)	821 (32.3)	439 (970)	4	●	●	●	●	●	●
◆ 0.61 (0.80)	0.54 (0.71)	914 (36.0)	974 (38.3)	490 (1,080)	5	●	○	○	○	■	■

- ▣ Heavy duty bucket
- ◎ Ditch cleaning bucket
- ◆ Hammerless tooth bucket

- : Applicable for materials with density of 2,100 kgf/m<sup>3</sup> (3,500 lbf/yd<sup>3</sup>) or less
- : Applicable for materials with density of 1,800 kgf/m<sup>3</sup> (3,000 lbf/yd<sup>3</sup>) or less
- : Applicable for materials with density of 1,500 kgf/m<sup>3</sup> (2,500 lbf/yd<sup>3</sup>) or less
- ▲ : Applicable for materials with density of 1,200 kgf/m<sup>3</sup> (2,000 lbf/yd<sup>3</sup>) or less
- : Not Recommended

## HW170A CR BUCKETS



SAE heaped m<sup>3</sup> (yd<sup>3</sup>)    0.70 (0.92)    ◆ 0.73 (0.95)    0.89 (1.16)    ▣ 0.69 (0.90)    ◎ 0.75 (0.90)

Capacity m <sup>3</sup> (yd <sup>3</sup> )		Width mm (in)		Weight kg (lb)	Tooth EA	Recommendation mm (ft.in)		
						4,200 kg CWT		
SAE heaped	CECE heaped	Without Sidecutter	With Sidecutter			5,000 (16' 5") 2-Piece Boom		
						2,000 (6' 7") Arm	2,450 (8' 0") Arm	2,600 (8' 6") Arm
0.70 (0.92)	0.60 (0.78)	1,020 (40.2")	1,100 (43.3")	600 (1,320)	5	○	■	■
0.76 (0.99)	0.65 (0.85)	1,090 (42.9")	1,170 (46.1")	620 (1,370)	5	■	▲	▲
0.89 (1.16)	0.77 (1.01)	1,250 (49.2")	1,325 (52.2")	680 (1,500)	6	▲	▲	-
▣ 0.69 (0.90)	0.62 (0.81)	1,050 (41.3")	-	720 (1,590)	5	○	■	▲
◎ 0.75 (0.98)	0.65 (0.85)	1,760 (69.3")	-	540 (1,190)	0	○	■	■
◆ 0.73 (0.95)	0.67 (0.88)	914 (36.0")	946 (37.2")	620 (1,370)	5	○	■	▲
◆ 0.85 (1.11)	0.76 (0.99)	1,067 (42.0")	1,096 (43.1")	670 (1,480)	5	■	▲	▲

- ▣ Heavy duty bucket
- ◎ Ditch cleaning bucket
- ◆ Hammerless tooth bucket

- : Applicable for materials with density of 2,100 kgf/m<sup>3</sup> (3,500 lbf/yd<sup>3</sup>) or less
- : Applicable for materials with density of 1,800 kgf/m<sup>3</sup> (3,000 lbf/yd<sup>3</sup>) or less
- : Applicable for materials with density of 1,500 kgf/m<sup>3</sup> (2,500 lbf/yd<sup>3</sup>) or less
- ▲ : Applicable for materials with density of 1,200 kgf/m<sup>3</sup> (2,000 lbf/yd<sup>3</sup>) or less
- : Not Recommended

# DIGGING FORCE

## HW150A CR DIGGING FORCE

Boom	Length	mm (ft.in)	4,600 (15' 1") Mono			Remark
Arm	Length	mm (ft.in)	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")	
Bucket digging force	SAE	kN	87.8 [107]	87.9 [95.4]	87.9 [95.4]	[]: Power Boost
		kgf	8,956.9 [9720]	8,960.9 [9730]	8,960.9 [9730]	
		lbf	19,747 [21429]	19,755 [21451]	19,755 [21451]	
	ISO	kN	102.9 [111.7]	102.9 [111.7]	102.9 [111.7]	
		kgf	10,489.4 [11390]	10,494 [11390]	10,494 [11390]	
		lbf	23,125 [25111]	23,135 [25111]	23,135 [25111]	
Arm crowd force	SAE	kN	74.2 [80.6]	63.6 [69.0]	61.1 [66.3]	
		kgf	7,569.4 [8220]	6,485.2 [7040]	6,230.3 [6760]	
		lbf	16,688 [18122]	14,297 [15521]	13,735 [14903]	
	ISO	kN	77.9 [84.5]	66.3 [72.0]	63.6 [69.0]	
		kgf	7,942 [8620]	6,763.7 [7340]	6,485.9 [7040]	
		lbf	17,509 [19004]	14,911 [16182]	14,299 [15521]	

Boom	Length	mm (ft.in)	4,710 (15' 5") 2-Piece			Remark
Arm	Length	mm (ft.in)	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")	
Bucket digging force	SAE	kN	87.8 [95.3]	87.9 [95.4]	87.9 [95.4]	[]: Power Boost
		kgf	8,956.9 [9720]	8,960.9 [9730]	8,960.9 [9730]	
		lbf	19,747 [21429]	19,755 [21451]	19,755 [21451]	
	ISO	kN	102.9 [111.7]	102.9 [111.7]	102.9 [111.7]	
		kgf	10,489.4 [11390]	10,494 [11390]	10,494 [11390]	
		lbf	23,125 [25111]	23,135 [25111]	23,135 [25111]	
Arm crowd force	SAE	kN	74.2 [80.6]	63.6 [69.0]	61.1 [66.3]	
		kgf	7,569.4 [8220]	6,485.2 [7040]	6,230.3 [6760]	
		lbf	16,688 [18122]	14,297 [15521]	13,735 [14903]	
	ISO	kN	77.9 [84.5]	66.3 [72.0]	63.6 [69.0]	
		kgf	7,942 [8620]	6,763.7 [7340]	6,485.9 [7040]	
		lbf	17,509 [19004]	14,911 [16182]	14,299 [15521]	

Note : Arm weight includes bucket cylinder, linkage, and pin

## HW170A CR DIGGING FORCE

Boom	Length	mm (ft.in)	5,000 (16' 5") 2-Piece			Remark
Arm	Length	mm (ft.in)	2,000 (6' 7")	2,450 (8' 0")	2,600 (8' 6")	
Bucket digging force	SAE	kN	98 [107]	98 [107]	98 [107]	[]: Power Boost
		kgf	10,008 [10,920]	9,992 [10,900]	10,026 [10,940]	
		lbf	22,060 [24,070]	22,030 [24,030]	22,100 [24,120]	
	ISO	kN	115 [125]	115 [125]	115 [126]	
		kgf	11,726 [12,790]	11,706 [12,770]	11,746 [12,810]	
		lbf	25,850 [28,200]	25,810 [28,150]	25,900 [28,240]	
Arm crowd force	SAE	kN	85 [93]	67 [73]	67 [73]	
		kgf	8,648 [9,430]	6,858 [7,480]	6,798 [7,420]	
		lbf	19,070 [20,790]	15,120 [16,490]	14,990 [16,360]	
	ISO	kN	89 [98]	70 [77]	70 [76]	
		kgf	9,118 [9,950]	7,178 [7,830]	7,106 [7,750]	
		lbf	20,100 [21,940]	15,830 [17,260]	15,670 [17,090]	

Note : Arm weight includes bucket cylinder, linkage, and pin