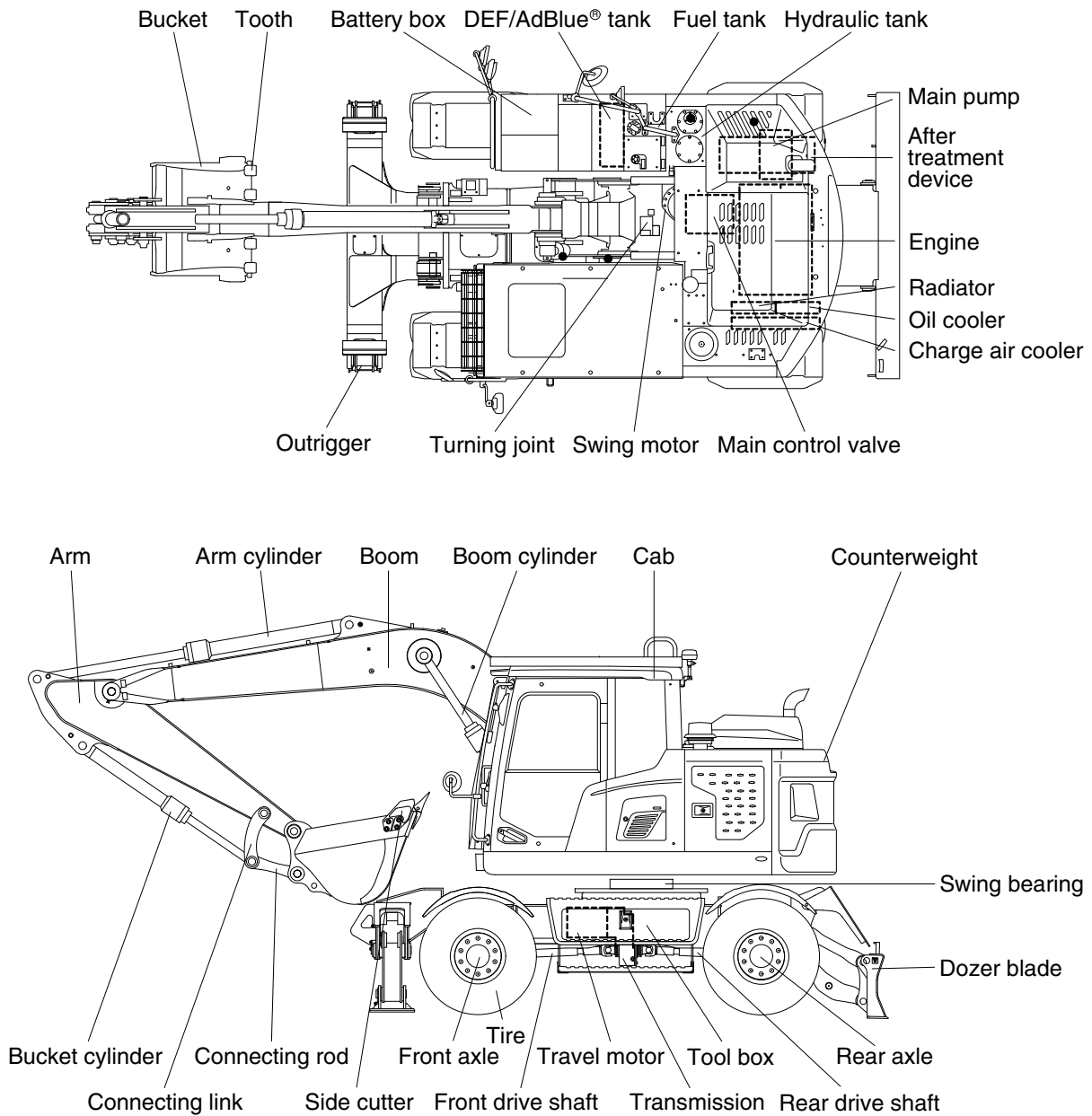


# SPECIFICATIONS

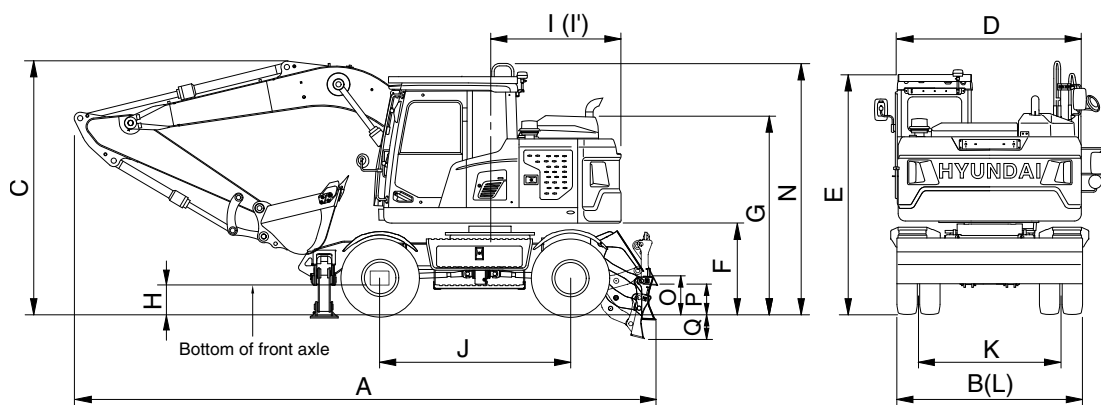
## 1. MAJOR COMPONENTS



150WA2SP01

## 2. SPECIFICATIONS

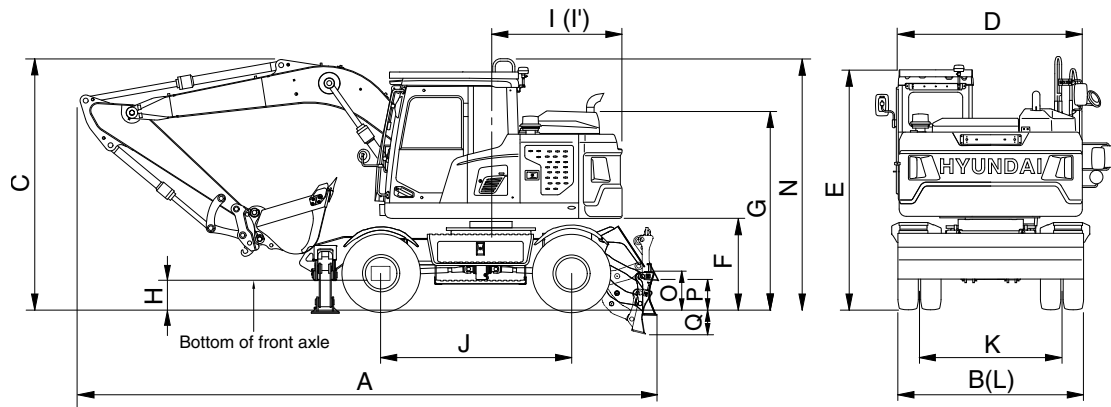
### 1) 4.6 m (15' 1") MONO BOOM, WITHOUT QUICK COUPLER



150WA2SP02

Description		Unit		Specification		
		m (ft-in)	Boom	4.6 m (15' 1")		
			Arm	2.45 (8' 0")	2.00 (6' 7")	2.60 (8' 6")
Operating weight		kg (lb)		16870 (37190)	16810 (37060)	16890 (37240)
Bucket capacity (SAE heaped), standard		m³ (yd³)		0.58 (0.76)	0.58 (0.76)	0.58 (0.76)
Overall length (travel)	A	mm (ft-in)		7710 (25' 4")	7885 (25' 10")	7610 (25' 0")
Overall length (shipping)				7830 (25' 8")	7780 (25' 6")	7845 (25' 9")
Overall width	B			2530 (8' 4")	2530 (8' 4")	2530 (8' 4")
Overall height of boom (travel)	C			3790 (12' 5")	3270 (10' 9")	3930 (12' 11")
Overall height of boom (shipping)				2990 (9' 10")	2820 (9' 3")	3110 (10' 2")
Overall width of upperstructure	D			2510 (8' 3")	2510 (8' 3")	2510 (8' 3")
Overall height of cab	E			3230 (10' 7")	3230 (10' 7")	3230 (10' 7")
Ground clearance of counterweight	F			1265 (4' 2")	1265 (4' 2")	1265 (4' 2")
Overall height of engine hood	G			2730 (8' 11")	2730 (8' 11")	2730 (8' 11")
Minimum ground clearance	H			370 (1' 3")	370 (1' 3")	370 (1' 3")
Rear-end distance	I			1790 (5' 10")	1790 (5' 10")	1790 (5' 10")
Rear-end swing radius	I'			1800 (5' 11")	1800 (5' 11")	1800 (5' 11")
Wheel base	J			2600 (8' 6")	2600 (8' 6")	2600 (8' 6")
Tread	K			1944 (6' 5")	1944 (6' 5")	1944 (6' 5")
Blade width	L			2530 (8' 4")	2530 (8' 4")	2530 (8' 4")
Overall height of guardrail	N			3450 (11' 4")	3450 (11' 4")	3450 (11' 4")
Height of blade	O			625 (2' 1")	625 (2' 1")	625 (2' 1")
Ground clearance of blade up	P			405 (1' 4")	405 (1' 4")	405 (1' 4")
Depth of blade down	Q			170 (0' 7")	170 (0' 7")	170 (0' 7")
Travel speed	Low			km/hr (mph)		10 (6.2)
	High	35 (21.7)	35 (21.7)			35 (21.7)
	Creep	3 (1.9)	3 (1.9)			3 (1.9)
Swing speed		rpm		9.5	9.5	9.5
Gradeability		Degree (%)		30 (58)	30 (58)	30 (58)
Max traction force		kg (lb)		9234 (20360)	9234 (20360)	9234 (20360)

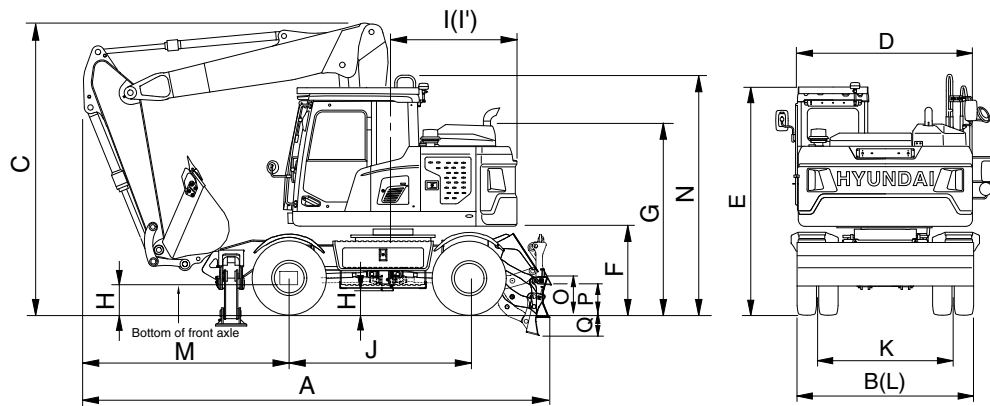
## 2) 4.6 m (15' 1") MONO BOOM, WITH QUICK COUPLER



150WA2SP03

Description		Unit		Specification		
		m (ft-in)	Boom	4.6 m (15' 1")		
			Arm	2.45 (8' 0")	2.00 (6' 7")	2.60 (8' 6")
Operating weight		kg (lb)		17050 (37590)	16990 (37460)	17070 (37630)
Bucket capacity (SAE heaped), standard		m³ (yd³)		0.58 (0.76)	0.58 (0.76)	0.58 (0.76)
Overall length (travel)	A	mm (ft-in)		7640 (25' 1")	7800 (25' 7")	7580 (24' 10")
Overall length (shipping)				7840 (25' 9")	7780 (25' 6")	7810 (25' 7")
Overall width	B			2530 (8' 4")	2530 (8' 4")	2530 (8' 4")
Overall height of boom (travel)	C			3870 (12' 8")	3650 (12' 0")	3930 (12' 11")
Overall height of boom (shipping)				3140 (10' 4")	2820 (9' 3")	3270 (10' 9")
Overall width of upperstructure	D			2510 (8' 3")	2510 (8' 3")	2510 (8' 3")
Overall height of cab	E			3230 (10' 7")	3230 (10' 7")	3230 (10' 7")
Ground clearance of counterweight	F			1265 (4' 2")	1265 (4' 2")	1265 (4' 2")
Overall height of engine hood	G			2730 (8' 11")	2730 (8' 11")	2730 (8' 11")
Minimum ground clearance	H			370 (1' 3")	370 (1' 3")	370 (1' 3")
Rear-end distance	I			1790 (5' 10")	1790 (5' 10")	1790 (5' 10")
Rear-end swing radius	I'			1800 (5' 11")	1800 (5' 11")	1800 (5' 11")
Wheel base	J			2600 (8' 6")	2600 (8' 6")	2600 (8' 6")
Tread	K			1944 (6' 5")	1944 (6' 5")	1944 (6' 5")
Blade width	L			2530 (8' 4")	2530 (8' 4")	2530 (8' 4")
Overall height of guardrail	N			3450 (11' 4")	3450 (11' 4")	3450 (11' 4")
Height of blade	O			625 (2' 1")	625 (2' 1")	625 (2' 1")
Ground clearance of blade up	P			405 (1' 4")	405 (1' 4")	405 (1' 4")
Depth of blade down	Q			170 (0' 7")	170 (0' 7")	170 (0' 7")
Travel speed	Low			km/hr (mph)		10 (6.2)
	High	35 (21.7)	35 (21.7)			35 (21.7)
	Creep	3 (1.9)	3 (1.9)			3 (1.9)
Swing speed		rpm		9.5	9.5	9.5
Gradeability		Degree (%)		30 (58)	30 (58)	30 (58)
Max traction force		kg (lb)		9234 (20360)	9234 (20360)	9234 (20360)

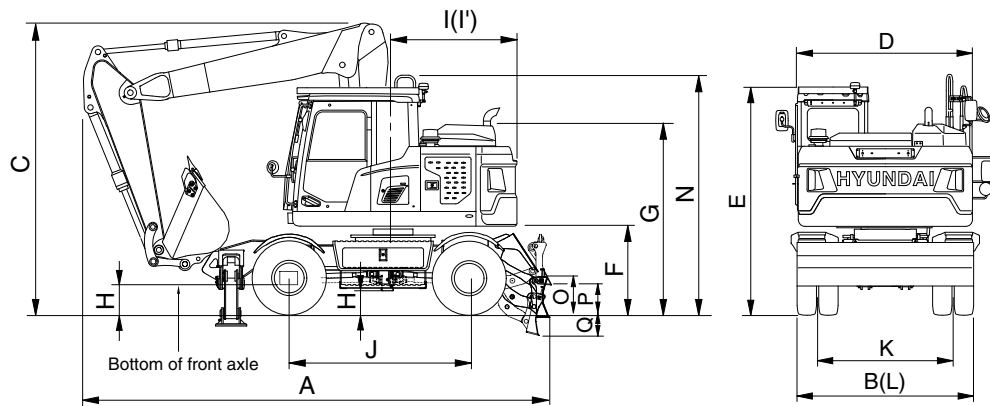
### 3) 2-PIECE BOOM, WITHOUT QUICK COUPLER



150WA2SP04

Description		Unit		Specification		
		m (ft-in)	Boom	4.71 m (15' 5")		
			Arm	2.45 (8' 0")	2.00 (6' 7")	2.60 (8' 6")
Operating weight		kg (lb)		17170 (37850)	17110 (37720)	17190 (37900)
Bucket capacity (SAE heaped), standard		m³ (yd³)		0.58 (0.76)	0.58 (0.76)	0.58 (0.76)
Overall length (travel)	A	mm (ft-in)		5940 (19' 6")	5980 (19' 7")	5920 (19' 5")
Overall length (shipping)				7945 (26' 1")	7940 (26' 1")	7950 (26' 1")
Overall width	B			2530 (8' 4")	2530 (8' 4")	2530 (8' 4")
Overall height of boom (travel)	C			3970 (13' 0")	3980 (13' 1")	3980 (13' 1")
Overall height of boom (shipping)				2990 (9' 10")	2940 (9' 8")	3040 (10' 0")
Overall width of upperstructure	D			2510 (8' 3")	2510 (8' 3")	2510 (8' 3")
Overall height of cab	E			3230 (10' 7")	3230 (10' 7")	3230 (10' 7")
Ground clearance of counterweight	F			1265 (4' 2")	1265 (4' 2")	1265 (4' 2")
Overall height of engine hood	G			2730 (8' 11")	2730 (8' 11")	2730 (8' 11")
Minimum ground clearance	H			370 (1' 3")	370 (1' 3")	370 (1' 3")
Rear-end distance	I			1790 (5' 10")	1790 (5' 10")	1790 (5' 10")
Rear-end swing radius	I'			1800 (5' 11")	1800 (5' 11")	1800 (5' 11")
Wheel base	J			2600 (8' 6")	2600 (8' 6")	2600 (8' 6")
Tread	K			1944 (6' 5")	1944 (6' 5")	1944 (6' 5")
Blade width	L			2530 (8' 4")	2530 (8' 4")	2530 (8' 4")
End of attachment to steering wheel	M			2665 (8' 9")	2695 (8' 10")	2635 (8' 8")
Overall height of guardrail	N			3450 (11' 4")	3450 (11' 4")	3450 (11' 4")
Height of blade	O			625 (2' 1")	625 (2' 1")	625 (2' 1")
Ground clearance of blade up	P			405 (1' 4")	405 (1' 4")	405 (1' 4")
Depth of blade down	Q			170 (0' 7")	170 (0' 7")	170 (0' 7")
Travel speed	Low	km/hr (mph)	10 (6.2)	10 (6.2)	10 (6.2)	
	High		35 (21.7)	35 (21.7)	35 (21.7)	
	Creep		3 (1.9)	3 (1.9)	3 (1.9)	
Swing speed		rpm	9.5	9.5	9.5	
Gradeability		Degree (%)	30 (58)	30 (58)	30 (58)	
Max traction force		kg (lb)	9234 (20360)	9234 (20360)	9234 (20360)	

#### 4) 2-PIECE BOOM, WITH QUICK COUPLER

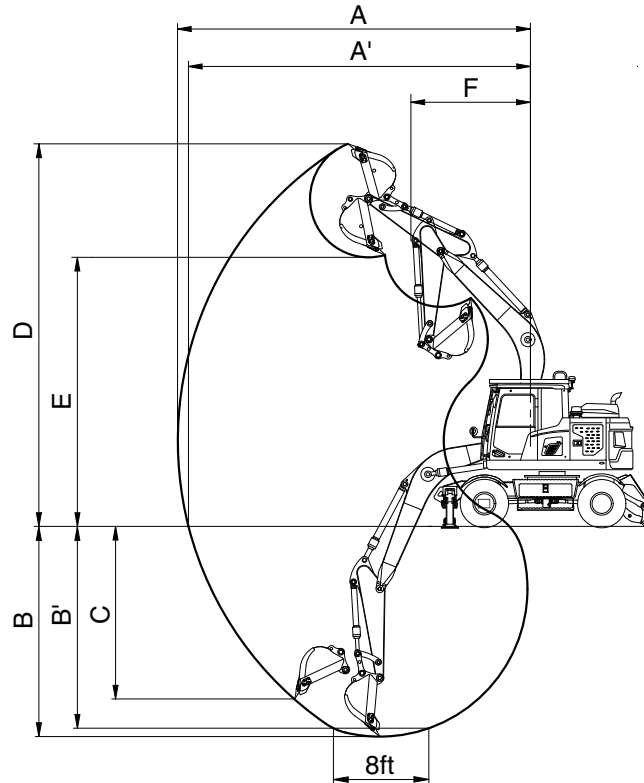


150WA2SP04

Description		Unit		Specification		
		m (ft-in)	Boom	4.71 m (15' 5")		
			Arm	2.45 (8' 0")	2.00 (6' 7")	2.60 (8' 6")
Operating weight		kg (lb)		17350 (38250)	17290 (38120)	17370 (38290)
Bucket capacity (SAE heaped), standard		m³ (yd³)		0.58 (0.76)	0.58 (0.76)	0.58 (0.76)
Overall length (travel)	A	mm (ft-in)		5950 (19' 6")	5970 (19' 7")	5925 (19' 5")
Overall length (shipping)				7945 (26' 1")	7950 (26' 1")	7950 (26' 1")
Overall width	B			2530 (8' 4")	2530 (8' 4")	2530 (8' 4")
Overall height of boom (travel)	C			3970 (13' 0")	3980 (13' 1")	3980 (13' 1")
Overall height of boom (shipping)				2990 (9' 10")	2990 (9' 10")	3140 (10' 4")
Overall width of upperstructure	D			2510 (8' 3")	2510 (8' 3")	2510 (8' 3")
Overall height of cab	E			3230 (10' 7")	3230 (10' 7")	3230 (10' 7")
Ground clearance of counterweight	F			1265 (4' 2")	1265 (4' 2")	1265 (4' 2")
Overall height of engine hood	G			2730 (8' 11")	2730 (8' 11")	2730 (8' 11")
Minimum ground clearance	H			370 (1' 3")	370 (1' 3")	370 (1' 3")
Rear-end distance	I			1790 (5' 10")	1790 (5' 10")	1790 (5' 10")
Rear-end swing radius	I'			1800 (5' 11")	1800 (5' 11")	1800 (5' 11")
Wheel base	J			2600 (8' 6")	2600 (8' 6")	2600 (8' 6")
Tread	K			1944 (6' 5")	1944 (6' 5")	1944 (6' 5")
Blade width	L			2530 (8' 4")	2530 (8' 4")	2530 (8' 4")
Overall height of guardrail	N			3450 (11' 4")	3450 (11' 4")	3450 (11' 4")
Height of blade	O			625 (2' 1")	625 (2' 1")	625 (2' 1")
Ground clearance of blade up	P			405 (1' 4")	405 (1' 4")	405 (1' 4")
Depth of blade down	Q			170 (0' 7")	170 (0' 7")	170 (0' 7")
Travel speed	Low	km/hr (mph)		10 (6.2)	10 (6.2)	10 (6.2)
	High			35 (21.7)	35 (21.7)	35 (21.7)
	Creep			3 (1.9)	3 (1.9)	3 (1.9)
Swing speed		rpm		9.5	9.5	9.5
Gradeability		Degree (%)		30 (58)	30 (58)	30 (58)
Max traction force		kg (lb)		9234 (20360)	9234 (20360)	9234 (20360)

### 3. WORKING RANGE AND WORKING RANGE

#### 1) 4.6 m (15' 1") MONO BOOM, WITHOUT QUICK COUPLER

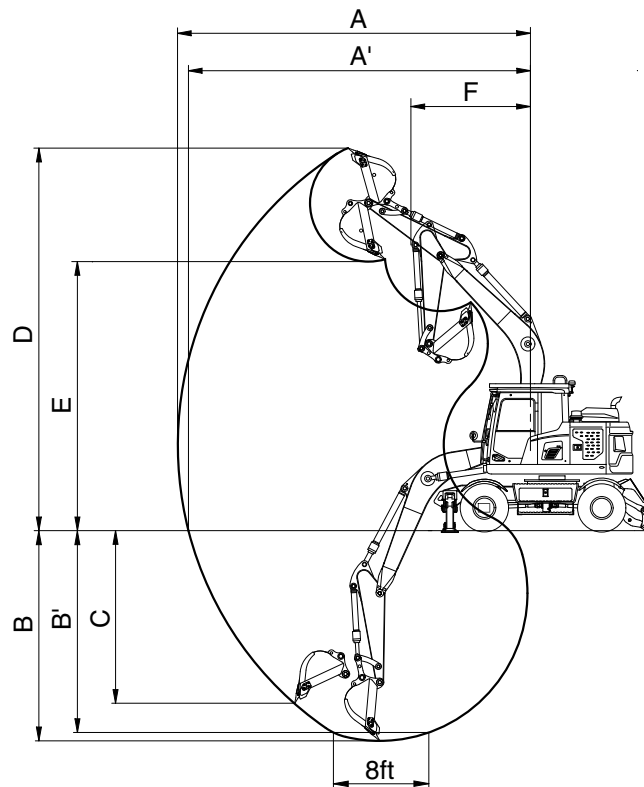


150WA2SP06

Description		m (ft-in)	2.45 (8' 0") Arm	2.00 (6' 7") Arm	2.60 (8' 6") Arm
Max digging reach	A	mm (ft-in)	8370 (27' 6")	7940 (26' 1")	8520 (27' 11")
Max digging reach on ground	A'		8150 (26' 9")	7710 (25' 4")	8300 (27' 3")
Max digging depth	B		5130 (16' 10")	4680 (15' 4")	5280 (17' 4")
Max digging depth (8 ft level)	B'		4920 (16' 2")	4425 (14' 6")	5070 (16' 8")
Max vertical wall digging depth	C		4675 (15' 4")	4220 (13' 10")	4820 (15' 10")
Max digging height	D		8830 (29' 0")	8520 (27' 11")	8920 (29' 3")
Max dumping height	E		6380 (20' 11")	6080 (19' 11")	6470 (21' 3")
Min swing radius	F		2740 (9' 0")	2650 (8' 8")	2755 (9' 0")
Bucket digging force	SAE	kN	87.9 [95.4]	87.8 [95.3]	87.9 [95.4]
		kgf	8961 [9730]	8957 [9720]	8961 [9730]
		lbf	19755 [21451]	19747 [21429]	19755 [21451]
	ISO	kN	102.9 [111.7]	102.9 [111.7]	102.9 [111.7]
		kgf	10494 [11390]	10489 [11390]	10494 [11390]
		lbf	23135 [25111]	23125 [25111]	23135 [25111]
Arm digging force	SAE	kN	63.6 [69.0]	74.2 [80.6]	61.1 [66.3]
		kgf	6485 [7040]	7569 [8220]	6230 [6760]
		lbf	14297 [15521]	16688 [18122]	13735 [14903]
	ISO	kN	66.3 [72.0]	77.9 [84.5]	63.6 [69.0]
		kgf	6764 [7340]	7942 [8620]	6486 [7040]
		lbf	14911 [16182]	17509 [19004]	14299 [15521]

[ ] : Power boost

## 2) 4.6 m (15' 1") MONO BOOM, WITH QUICK COUPLER



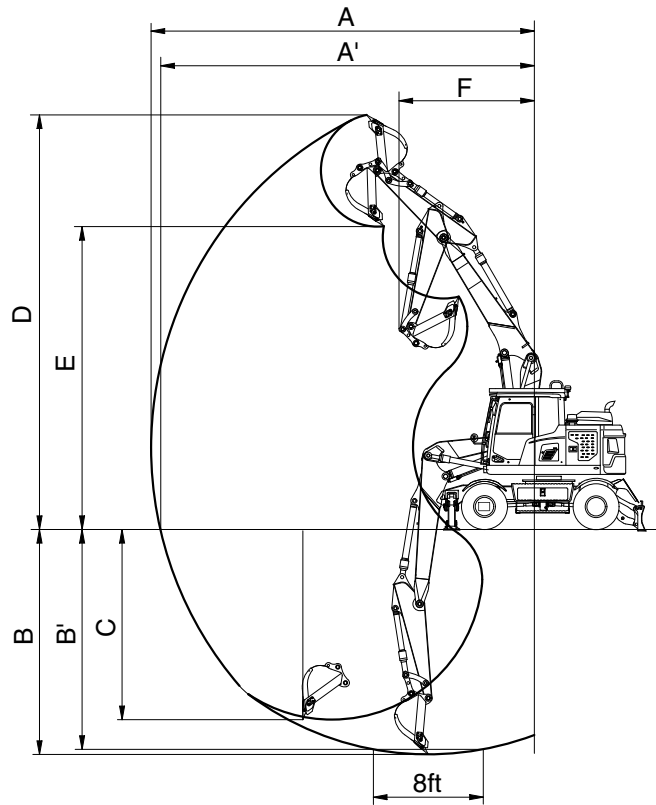
150WA2SP06

Description		m (ft-in)	2.45 (8' 0") Arm	2.00 (6' 7") Arm	2.60 (8' 6") Arm
Max digging reach	A	mm (ft-in)	8600 (28' 3")	8170 (26' 10")	8740 (28' 8")
Max digging reach on ground	A'		8390 (27' 6")	7940 (26' 1")	8530 (28' 0")
Max digging depth	B		5350 (17' 7")	4900 (16' 1")	5500 (18' 1")
Max digging depth (8 ft level)	B'		5160 (16' 11")	4680 (15' 4")	5320 (17' 5")
Max vertical wall digging depth	C		4500 (14' 9")	3950 (13' 0")	4650 (15' 3")
Max digging height	D		9060 (29' 9")	8750 (28' 8")	9150 (30' 0")
Max dumping height	E		6150 (20' 2")	5860 (19' 3")	6250 (20' 6")
Min swing radius	F		2740 (9' 0")	2735 (9' 0")	2755 (9' 0")
Bucket digging force	SAE	kN	76.5 [83.1]	76.5 [83.1]	76.5 [83.1]
		kgf	7801 [8470]	7797 [8470]	7801 [8470]
		lbf	17199 [18673]	17190 [18673]	17199 [18673]
	ISO	kN	85.8 [93.2]	85.7 [93.1]	85.8 [93.2]
		kgf	8748 [9500]	8743 [9490]	8748 [9500]
		lbf	19285 [20944]	19275 [20922]	19285 [20944]
Arm digging force	SAE	kN	59.8 [64.9]	69.2 [75.1]	57.5 [62.5]
		kgf	6094 [6620]	7053 [7660]	5868 [6370]
		lbf	13435 [14595]	15549 [16887]	12937 [14043]
	ISO	kN	61.9 [67.2]	71.9 [78.2]	59.5 [64.6]
		kgf	6311 [6850]	7336 [7970]	6068 [6590]
		lbf	13912 [15102]	16174 [17571]	13377 [14528]

[ ] : Power boost



### 3) 2-PIECE BOOM, WITHOUT QUICK COUPLER



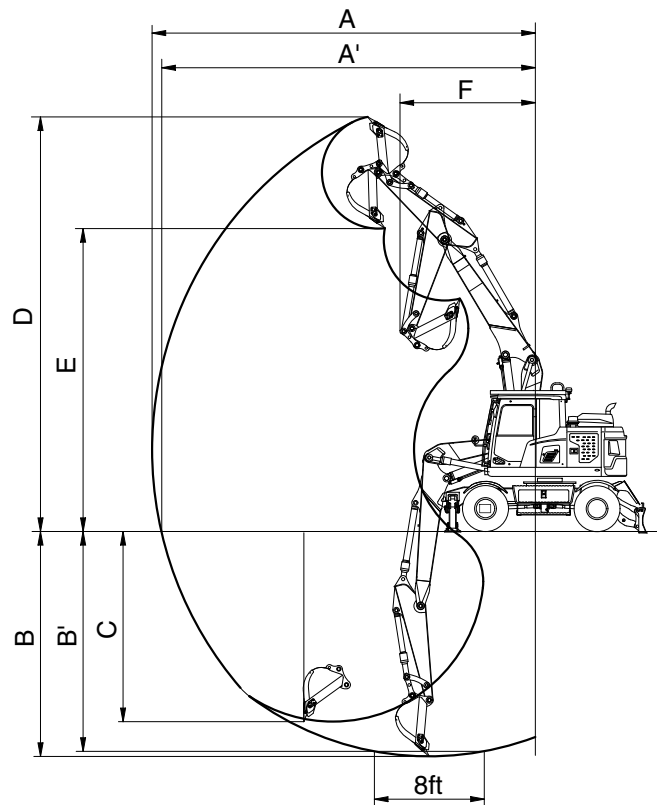
150WA2SP08

Description		m (ft-in)	2.45 (8' 0") Arm	2.00 (6' 7") Arm	2.60 (8' 6") Arm
Max digging reach	A	mm (ft-in)	8550 (28' 1")	8110 (26' 7")	8700 (28' 7")
Max digging reach on ground	A'		8340 (27' 4")	7890 (25' 11")	8490 (27' 10")
Max digging depth	B		5020 (16' 6")	4570 (15' 0")	5170 (17' 0")
Max digging depth (8 ft level)	B'		4910 (16' 1")	4450 (14' 7")	5060 (16' 7")
Max vertical wall digging depth	C		4430 (14' 6")	3950 (13' 0")	4575 (15' 0")
Max digging height	D		9460 (31' 0")	9110 (29' 11")	9580 (31' 5")
Max dumping height	E		6970 (22' 10")	6630 (21' 9")	7090 (23' 3")
Min swing radius	F		2670 (8' 9")	2660 (8' 9")	2710 (8' 11")
Bucket digging force	SAE	kN	87.9 [95.4]	87.8 [95.3]	87.9 [95.4]
		kgf	8961 [9730]	8957 [9720]	8961 [9730]
		lbf	19755 [21451]	19747 [21429]	19755 [21451]
	ISO	kN	102.9 [111.7]	102.9 [111.7]	102.9 [111.7]
		kgf	10494 [11390]	10489 [11390]	10494 [11390]
		lbf	23135 [25111]	23125 [25111]	23135 [25111]
Arm digging force	SAE	kN	63.6 [69.0]	74.2 [80.6]	61.1 [66.3]
		kgf	6485 [7040]	7569 [8220]	6230 [6760]
		lbf	14297 [15521]	16688 [18122]	13735 [14903]
	ISO	kN	66.3 [72.0]	77.9 [84.5]	63.6 [69.0]
		kgf	6764 [7340]	7942 [8620]	6486 [7040]
		lbf	14911 [16182]	17509 [19004]	14299 [15521]

[ ] : Power boost



#### 4) 2-PIECE BOOM, WITH QUICK COUPLER



150WA2SP08

Description		m (ft-in)	2.45 (8' 0") Arm	2.00 (6' 7") Arm	2.60 (8' 6") Arm
Max digging reach	A	mm (ft-in)	8780 (28' 10")	8340 (27' 4")	8925 (29' 3")
Max digging reach on ground	A'		8570 (28' 1")	8120 (26' 8")	8719 (28' 7")
Max digging depth	B		5250 (17' 3")	4800 (15' 9")	5400 (17' 9")
Max digging depth (8 ft level)	B'		5140 (16' 10")	4680 (15' 4")	5290 (17' 4")
Max vertical wall digging depth	C		4240 (13' 11")	3750 (12' 4")	4380 (14' 4")
Max digging height	D		9690 (31' 9")	9340 (30' 8")	9810 (32' 2")
Max dumping height	E		6750 (22' 2")	6400 (21' 0")	6870 (22' 6")
Min swing radius	F		2670 (8' 9")	2660 (8' 9")	2710 (8' 11")
Bucket digging force	SAE	kN	76.5 [83.1]	76.5 [83.1]	76.5 [83.1]
		kgf	7801 [8470]	7797 [8470]	7801 [8470]
		lbf	17199 [18673]	17190 [18673]	17199 [18673]
	ISO	kN	85.8 [93.2]	85.7 [93.1]	85.8 [93.2]
		kgf	8748 [9500]	8743 [9490]	8748 [9500]
		lbf	19285 [20944]	19275 [20922]	19285 [20944]
Arm digging force	SAE	kN	59.8 [64.9]	69.2 [75.1]	57.5 [62.5]
		kgf	6094 [6620]	7053 [7660]	5868 [6370]
		lbf	13435 [14595]	15549 [16887]	12937 [14043]
	ISO	kN	61.9 [67.2]	71.9 [78.2]	59.5 [64.6]
		kgf	6311 [6850]	7336 [7970]	6068 [6590]
		lbf	13912 [15102]	16174 [17571]	13377 [14528]

[ ] : Power boost

## 4. WEIGHT

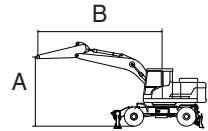
Item	Mono boom		2-piece boom	
	kg	lb	kg	lb
Upperstructure assembly				
· Main frame weld assembly	1220	2690	1220	2690
· Engine assembly	378	833	378	833
· Aftertreatment assembly	64	141	64	141
· Main pump assembly	91	201	91	201
· Main control valve assembly	145	319	145	319
· Swing motor assembly	148	326	148	326
· Hydraulic oil tank WA	156	344	156	344
· Hydraulic oil (max)	89	197	89	197
· Fuel oil tank WA	135	298	135	298
· Fuel oil (max)	170	375	170	375
· Counterweight (STD)	3250	7165	3250	7165
· Cab assembly	495	1091	495	1091
Lower chassis assembly				
· Lower frame weld assembly	1552	3422	1552	3422
· Swing bearing	260	573	260	573
· Travel motor assembly	80	176	80	176
· Turning joint	117	258	117	258
· Transmission assembly	135	298	135	298
· Front axle assembly	637	1404	637	1404
· Front axle assembly (wide)	655	1444	655	1444
· Rear axle assembly	534	1177	534	1177
· Rear axle assembly (wide)	547	1206	547	1206
· Dozer blade assembly (front)	771	1700	770	1698
· Dozer blade assembly (rear)	771	1700	770	1698
· Front outrigger assembly	982	2165	982	2165
· Rear outrigger assembly	982	2165	982	2165
Front attachment assembly (4.6 m boom, 2.45 m arm, 0.58 m³ SAE heaped bucket)				
· 4.6 m boom assembly	822	1812	-	-
· 4.71 m 2PCS boom assembly	-	-	939	2070
· 2.45 m arm assembly	428	944	428	944
· 2.00 m arm assembly	371	818	371	818
· 2.60 m arm assembly	448	988	448	988
· 0.58 m³ SAE heaped bucket assembly	484	1067	484	1067
· 0.52 m³ SAE heaped bucket assembly	461	1016	461	1016
· 0.65 m³ SAE heaped bucket assembly	513	1131	513	1131
· 0.71 m³ SAE heaped bucket assembly	536	1182	536	1182
· 0.55 m³ SAE heaped bucket assembly	585	1290	585	1290
· 0.45 m³ SAE heaped bucket assembly	410	904	410	904
· 0.50 m³ SAE heaped bucket assembly	439	968	439	968
· 0.61 m³ SAE heaped bucket assembly	490	1080	490	1080
· Boom cylinder assembly (2EA)	119	262	-	-
· Arm cylinder assembly	145	320	145	320
· Bucket cylinder assembly	104	229	104	229
· 2-piece cylinder assembly (2EA)	-	-	123	271
· 2-piece adjust cylinder assembly	-	-	168	370
· Dozer cylinder assembly (2EA)	43	95	43	95
· Outrigger cylinder assembly (2EA)	91	202	91	282
· Bucket control link total	88	194	88	194











## 5. LIFTING CAPACITIES

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HW150A CR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2000	3250	-	500	-	Down	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb					*4420 *9740	4350 9590			*3340 *7360	*3340 *7360	5.19 (17.0)
4.5 m (14.8 ft)	kg lb					*4810 *10600	4240 9350	*3870 *8530	2710 5970	*3120 *6880	2610 5750	6.13 (20.1)
3.0 m (9.8 ft)	kg lb					*5800 *12790	4020 8860	4190 9240	2640 5820	*3150 *6940	2290 5050	6.59 (21.6)
1.5 m (4.9 ft)	kg lb					6280 13850	3800 8380	4090 9020	2550 5620	*3380 *7450	2190 4830	6.68 (21.9)
0.0 m (0.0 ft)	kg lb			*6020 *13270	*6020 *13270	6150 13560	3680 8110	4030 8880	2500 5510	3670 8090	2290 5050	6.42 (21.0)
-1.5 m (-4.9 ft)	kg lb	*6310 *13910	*6310 *13910	*9650 *21270	6750 14880	6150 13560	3680 8110			4310 9500	2670 5890	5.74 (18.8)
-3.0 m (-9.8 ft)	kg lb			*7160 *15790	6940 15300					*4610 *10160	3860 8510	4.46 (14.6)

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.











The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HW150A CR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2000	3250	-	500	-	Up	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb					*4420 9740	3930 8660			*3340 7360	3100 6830	5.19 (17.0)
4.5 m (14.8 ft)	kg lb					*4810 10600	3830 8440	*3870 8530	2440 5380	*3120 6880	2350 5180	6.13 (20.1)
3.0 m (9.8 ft)	kg lb					*5800 12790	3610 7960	4190 9240	2380 5250	*3150 6940	2050 4520	6.59 (21.6)
1.5 m (4.9 ft)	kg lb					6280 13850	3390 7470	4090 9020	2290 5050	*3380 7450	1970 4340	6.68 (21.9)
0.0 m (0.0 ft)	kg lb			*6020 13270	5860 12920	6150 13560	3280 7230	4030 8880	2240 4940	3670 8090	2050 4520	6.42 (21.0)
-1.5 m (-4.9 ft)	kg lb	*6310 13910	*6310 13910	*9650 21270	5920 13050	6150 13560	3280 7230			4310 9500	2390 5270	5.74 (18.8)
-3.0 m (-9.8 ft)	kg lb			*7160 15790	6090 13430					*4610 10160	3450 7610	4.46 (14.6)

Note 1. Lifting capacity are based on ISO 10567.

- Lifting capacity of the HX series 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 capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.











The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HW150A CR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2450	3250	-	500	-	Down	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2900 *6390	*2900 *6390	4.19 (13.7)
6.0 m (19.7 ft)	kg lb									*2400 *5290	*2400 *5290	5.74 (18.8)
4.5 m (14.8 ft)	kg lb					*4340 *9570	4300 9480	*3870 *8530	2740 6040	*2250 *4960	*2250 *4960	6.60 (21.7)
3.0 m (9.8 ft)	kg lb			*8000 *17640	7500 16530	*5370 *11840	4060 8950	4200 9260	2650 5840	*2260 *4980	2060 4540	7.03 (23.1)
1.5 m (4.9 ft)	kg lb			*5100 *11240	*5100 *11240	6300 13890	3810 8400	4080 8990	2540 5600	*2410 *5310	1980 4370	7.12 (23.3)
0.0 m (0.0 ft)	kg lb			*6320 *13930	*6320 *13930	6130 13510	3660 8070	4000 8820	2470 5450	*2730 *6020	2050 4520	6.87 (22.5)
-1.5 m (-4.9 ft)	kg lb	*5450 *12020	*5450 *12020	*10200 *22490	6650 14660	6090 13430	3620 7980	3990 8800	2460 5420	*3420 *7540	2340 5160	6.24 (20.5)
-3.0 m (-9.8 ft)	kg lb			*8180 *18030	6800 14990	*5500 *12130	3700 8160			*4460 *9830	3140 6920	5.10 (16.7)

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.











The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HW150A CR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2450	3250	-	500	-	Up	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2900 *6390	*2900 *6390	4.19 (13.7)
6.0 m (19.7 ft)	kg lb									*2400 *5290	*2400 *5290	5.74 (18.8)
4.5 m (14.8 ft)	kg lb					*4340 *9570	3880 8550	*3870 *8530	2470 5450	*2250 *4960	2100 4630	6.60 (21.7)
3.0 m (9.8 ft)	kg lb			*8000 *17640	6630 14620	*5370 *11840	3640 8020	4200 9260	2380 5250	*2260 *4980	1850 4080	7.03 (23.1)
1.5 m (4.9 ft)	kg lb			*5100 *11240	*5100 *11240	6300 13890	3400 7500	4080 8990	2280 5030	*2410 *5310	1780 3920	7.12 (23.3)
0.0 m (0.0 ft)	kg lb			*6320 *13930	5800 12790	6130 13510	3260 7190	4000 8820	2200 4850	*2730 *6020	1840 4060	6.87 (22.5)
-1.5 m (-4.9 ft)	kg lb	*5450 *12020	*5450 *12020	*10200 *22490	5820 12830	6090 13430	3220 7100	3990 8800	2200 4850	*3420 *7540	2090 4610	6.24 (20.5)
-3.0 m (-9.8 ft)	kg lb			*8180 *18030	5960 13140	*5500 *12130	3300 7280			*4460 *9830	2810 6190	5.10 (16.7)

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.











The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HW150A CR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2600	3250	-	500	-	Down	-	-



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2670 *5890	*2670 *5890	4.43 (14.5)
6.0 m (19.7 ft)	kg lb									*2230 *4920	*2230 *4920	5.92 (19.4)
4.5 m (14.8 ft)	kg lb					*4190 *9240	*4190 *9240	*3770 *8310	2750 6060	*2100 *4630	*2100 *4630	6.76 (22.2)
3.0 m (9.8 ft)	kg lb			*7640 *16840	7570 16690	*5230 *11530	4080 8990	4210 9280	2660 5860	*2120 *4670	2000 4410	7.18 (23.5)
1.5 m (4.9 ft)	kg lb			*5810 *12810	*5810 *12810	6310 13910	3820 8420	4080 8990	2540 5600	*2250 *4960	1920 4230	7.26 (23.8)
0.0 m (0.0 ft)	kg lb			*6390 *14090	*6390 *14090	6130 13510	3650 8050	3990 8800	2460 5420	*2540 *5600	1990 4390	7.01 (23.0)
-1.5 m (-4.9 ft)	kg lb	*5220 *11510	*5220 *11510	*10050 *22160	6610 14570	6070 13380	3610 7960	3970 8750	2440 5380	*3130 *6900	2250 4960	6.40 (21.0)
-3.0 m (-9.8 ft)	kg lb	*9280 *20460	*9280 *20460	*8470 *18670	6750 14880	*5700 *12570	3670 8090			*4400 *9700	2960 6530	5.30 (17.4)

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

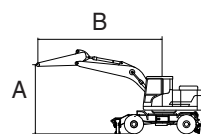
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.













Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HW150A CR	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4600	2600	3250	-	500	-	Up	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*2670 *5890	*2670 *5890	4.43 (14.5)
6.0 m (19.7 ft)	kg lb									*2230 *4920	*2230 *4920	5.92 (19.4)
4.5 m (14.8 ft)	kg lb					*4190 *9240	3900 8600	*3770 *8310	2480 5470	*2100 *4630	2030 4480	6.76 (22.2)
3.0 m (9.8 ft)	kg lb			*7640 *16840	6690 14750	*5230 *11530	3660 8070	4210 9280	2390 5270	*2120 *4670	1800 3970	7.18 (23.5)
1.5 m (4.9 ft)	kg lb			*5810 *12810	*5810 *12810	6310 13910	3410 7520	4080 8990	2280 5030	*2250 *4960	1720 3790	7.26 (23.8)
0.0 m (0.0 ft)	kg lb			*6390 *14090	5780 12740	6130 13510	3250 7170	3990 8800	2200 4850	*2540 *5600	1780 3920	7.01 (23.0)
-1.5 m (-4.9 ft)	kg lb	*5220 *11510	*5220 *11510	*10050 *22160	5780 12740	6070 13380	3200 7050	3970 8750	2180 4810	*3130 *6900	2010 4430	6.40 (21.0)
-3.0 m (-9.8 ft)	kg lb	*9280 *20460	*9280 *20460	*8470 *18670	5910 13030	*5700 *12570	3270 7210			*4400 *9700	2650 5840	5.30 (17.4)

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

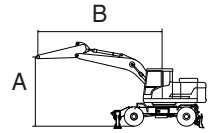
▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.









## 2) 2-PIECE BOOM

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HW150A CR	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4710	2000	3250	-	500	-	Down	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
7.5 m (24.6 ft)	kg lb							*4440 *9790	*4440 *9790	3.71 (12.2)
6.0 m (19.7 ft)	kg lb			*4210 *9280	*4210 *9280			*3480 *7670	3200 7050	5.41 (17.8)
4.5 m (14.8 ft)	kg lb	*5850 *12900	*5850 *12900	*4650 *10250	4240 9350	*4240 *9350	2710 5970	*3210 *7080	2470 5450	6.32 (20.7)
3.0 m (9.8 ft)	kg lb			*5640 *12430	3990 8800	4190 9240	2630 5800	*3180 *7010	2180 4810	6.77 (22.2)
1.5 m (4.9 ft)	kg lb			6270 13820	3760 8290	4080 8990	2530 5580	*3350 *7390	2090 4610	6.86 (22.5)
0.0 m (0.0 ft)	kg lb			6140 13540	3640 8020	4020 8860	2470 5450	3530 7780	2190 4830	6.60 (21.6)
-1.5 m (-4.9 ft)	kg lb	*9690 *21360	6710 14790	6140 13540	3640 8020			4110 9060	2530 5580	5.94 (19.5)

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

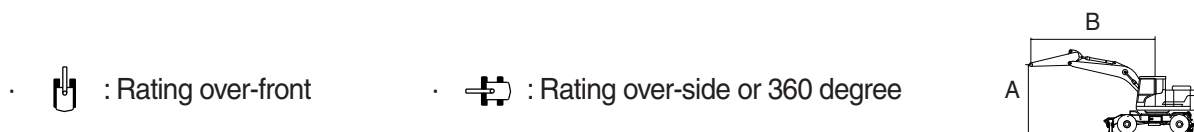
Lifting capacities will vary with different work tools, ground conditions and attachments.









The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HW150A CR	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4710	2000	3250	-	500	-	Up	-	-



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
7.5 m (24.6 ft)	kg lb							*4440 *9790	*4440 *9790	3.71 (12.2)
6.0 m (19.7 ft)	kg lb			*4210 *9280	3940 8690			*3480 *7670	2880 6350	5.41 (17.8)
4.5 m (14.8 ft)	kg lb	*5850 *12900	*5850 *12900	*4650 *10250	3820 8420	*4240 *9350	2440 5380	*3210 *7080	2220 4890	6.32 (20.7)
3.0 m (9.8 ft)	kg lb			*5640 *12430	3570 7870	4190 9240	2360 5200	*3180 *7010	1950 4300	6.77 (22.2)
1.5 m (4.9 ft)	kg lb			6270 13820	3350 7390	4080 8990	2260 4980	*3350 *7390	1870 4120	6.86 (22.5)
0.0 m (0.0 ft)	kg lb			6140 13540	3240 7140	4020 8860	2210 4870	3530 7780	1950 4300	6.60 (21.6)
-1.5 m (-4.9 ft)	kg lb	*9690 *21360	5860 12920	6140 13540	3240 7140			4110 9060	2260 4980	5.94 (19.5)

Note 1. Lifting capacity are based on ISO 10567.

- Lifting capacity of the HX series 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 capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

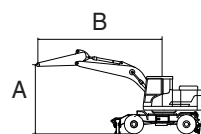
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HW150A CR	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4710	2450	3250	-	500	-	Down	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
7.5 m (24.6 ft)	kg lb							*3050 *6720	*3050 *6720	4.49 (14.7)
6.0 m (19.7 ft)	kg lb			*3710 *8180	*3710 *8180			*2510 *5530	*2510 *5530	5.97 (19.6)
4.5 m (14.8 ft)	kg lb			*4210 *9280	*4210 *9280	*3880 *8550	2730 6020	*2330 *5140	2210 4870	6.80 (22.3)
3.0 m (9.8 ft)	kg lb			*5230 *11530	4040 8910	4200 9260	2630 5800	*2310 *5090	1970 4340	7.21 (23.7)
1.5 m (4.9 ft)	kg lb			6290 13870	3770 8310	4080 8990	2520 5560	*2410 *5310	1890 4170	7.30 (23.9)
0.0 m (0.0 ft)	kg lb	*4890 *10780	*4890 *10780	6120 13490	3620 7980	3990 8800	2440 5380	*2670 *5890	1960 4320	7.05 (23.1)
-1.5 m (-4.9 ft)	kg lb	*8930 *19690	6600 14550	6080 13400	3590 7910	3980 8770	2430 5360	*3210 *7080	2230 4920	6.45 (21.1)

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

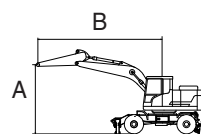
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HW150A CR	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4710	2450	3250	-	500	-	Up	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
7.5 m (24.6 ft)	kg lb							*3050 *6720	*3050 *6720	4.49 (14.7)
6.0 m (19.7 ft)	kg lb			*3710 *8180	*3710 *8180			*2510 *5530	2480 5470	5.97 (19.6)
4.5 m (14.8 ft)	kg lb			*4210 *9280	3870 8530	*3880 *8550	2460 5420	*2330 *5140	1980 4370	6.80 (22.3)
3.0 m (9.8 ft)	kg lb			*5230 *11530	3620 7980	4200 9260	2360 5200	*2310 *5090	1760 3880	7.21 (23.7)
1.5 m (4.9 ft)	kg lb			6290 13870	3360 7410	4080 8990	2250 4960	*2410 *5310	1690 3730	7.30 (23.9)
0.0 m (0.0 ft)	kg lb	*4890 *10780	*4890 *10780	6120 13490	3210 7080	3990 8800	2180 4810	*2670 *5890	1750 3860	7.05 (23.1)
-1.5 m (-4.9 ft)	kg lb	*8930 *19690	5760 12700	6080 13400	3180 7010	3980 8770	2160 4760	*3210 *7080	1980 4370	6.45 (21.1)

Note 1. Lifting capacity are based on ISO 10567.

- Lifting capacity of the HX series 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 capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

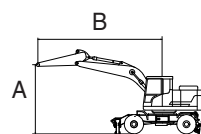
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HW150A CR	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4710	2600	3250	-	500	-	Down	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
7.5 m (24.6 ft)	kg lb			*3420 *7540	*3420 *7540			*2810 *6190	*2810 *6190	4.73 (15.5)
6.0 m (19.7 ft)	kg lb			*3560 *7850	*3560 *7850	*2880 *6350	2760 6080	*2330 *5140	*2330 *5140	6.15 (20.2)
4.5 m (14.8 ft)	kg lb			*4060 *8950	*4060 *8950	*3780 *8330	2750 6060	*2170 *4780	2130 4700	6.95 (22.8)
3.0 m (9.8 ft)	kg lb	*7590 *16730	7510 16560	*5090 *11220	4060 8950	*4180 *9220	2640 5820	*2160 *4760	1910 4210	7.36 (24.2)
1.5 m (4.9 ft)	kg lb			*6200 *13670	3780 8330	4080 8990	2520 5560	*2250 *4960	1840 4060	7.44 (24.4)
0.0 m (0.0 ft)	kg lb	*4980 *10980	*4980 *10980	6110 13470	3610 7960	3990 8800	2430 5360	*2480 *5470	1900 4190	7.20 (23.6)
-1.5 m (-4.9 ft)	kg lb	*8600 *18960	6560 14460	6060 13360	3570 7870	3960 8730	2420 5340	*2960 *6530	2140 4720	6.61 (21.7)
-3.0 m (-9.8 ft)	kg lb			*5860 *12920	3640 8020					

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

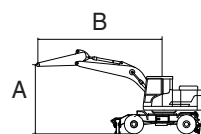
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.









▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HW150A CR	2-PIECE BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		4710	2600	3250	-	500	-	Up	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)						At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
										m (ft)
7.5 m (24.6 ft)	kg lb			*3420 *7540	*3420 *7540			*2810 *6190	*2810 *6190	4.73 (15.5)
6.0 m (19.7 ft)	kg lb			*3560 *7850	*3560 *7850	*2880 *6350	2490 5490	*2330 *5140	*2330 *5140	6.15 (20.2)
4.5 m (14.8 ft)	kg lb			*4060 *8950	3900 8600	*3780 *8330	2470 5450	*2170 *4780	1910 4210	6.95 (22.8)
3.0 m (9.8 ft)	kg lb	*7590 *16730	6620 14590	*5090 *11220	3640 8020	*4180 *9220	2370 5220	*2160 *4760	1710 3770	7.36 (24.2)
1.5 m (4.9 ft)	kg lb			*6200 *13670	3370 7430	4080 8990	2250 4960	*2250 *4960	1640 3620	7.44 (24.4)
0.0 m (0.0 ft)	kg lb	*4980 *10980	*4980 *10980	6110 13470	3200 7050	3990 8800	2170 4780	*2480 *5470	1690 3730	7.20 (23.6)
-1.5 m (-4.9 ft)	kg lb	*8600 *18960	5720 12610	6060 13360	3160 6970	3960 8730	2150 4740	*2960 *6530	1910 4210	6.61 (21.7)
-3.0 m (-9.8 ft)	kg lb			*5860 *12920	3230 7120					

Note 1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).

4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

Lifting capacities will vary with different work tools, ground conditions and attachments.

The difference between the weight of a work tool attachment must be subtracted.

Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.

▲ Failure to comply to the rated load can cause serious injury, death, or property damage. Make adjustments to the rated load as necessary for non-standard configurations.



## 6. BUCKET SELECTION GUIDE

### 1) MONO BOOM, 3250 kg COUNTERWEIGHT



General bucket



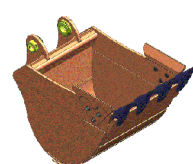
Heavy duty



Ditch cleaning



Slope finishing



Hammerless tooth

Type	Capacity		Width		Weight	Tooth	MONO		
	SAE Heaped	CECE heaped	Without side cutter	With side cutter			Recommendation		mm (ft-in)
							4.6 m (15' 1") Boom		
							2.0 m (6' 7") Arm	2.45 m (8' 0") Arm	2.6 m (8' 6") Arm
m³ (yd³)	m³ (yd³)	mm (in)	mm (in)	kg (lb)	EA				
General bucket	0.58 (0.76)	0.50 (0.65)	950 (37.4")	1110 (43.7")	480 (1060)	5	●	◐	◑
	0.52 (0.68)	0.45 (0.59)	870 (34.3")	1020 (40.2")	460 (1010)	5	●	●	●
	0.65 (0.85)	0.55 (0.72)	1060 (41.7")	1210 (47.6")	513 (1130)	5	◐	■	■
Heavy duty	0.71 (0.93)	0.60 (0.78)	1140 (44.9")	1300 (51.2")	536 (1180)	5	◐	■	■
Ditch cleaning	0.45 (0.59)	0.40 (0.52)	1520 (59.8")	-	410 (900)	0	●	●	●
Slope finishing	0.55 (0.72)	0.45 (0.59)	1800 (70.9")	-	585 (1290)	0	●	◐	◑
Hammer- less tooth	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 (1080)	5	●	◐	◑



Applicable for materials with density of 2100 kg/m<sup>3</sup> (3500 lb/yd<sup>3</sup>) or less



Applicable for materials with density of 1800 kg/m<sup>3</sup> (3000 lb/yd<sup>3</sup>) or less



Applicable for materials with density of 1500 kg/m<sup>3</sup> (2500 lb/yd<sup>3</sup>) or less



Applicable for materials with density of 1200 kg/m<sup>3</sup> (2000 lb/yd<sup>3</sup>) or less



Not recommended

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

Select an optimum combination according to the working conditions and the type of work that is being done.

Consult your HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.

## 2) 2-PIECE BOOM, 3250 kg COUNTERWEIGHT



General bucket



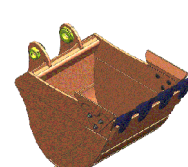
Heavy duty



Ditch cleaning



Slope finishing



Hammerless tooth

Type	Capacity		Width		Weight	Tooth	2-PIECE		
	SAE Heaped	CECE heaped	Without side cutter	With side cutter			Recommendation      mm (ft-in)		
							4.71 m (15' 5") Boom		
							2.0 m (6' 7") Arm	2.45 m (8' 0") Arm	2.6 m (8' 6") Arm
m³ (yd³)	m³ (yd³)	mm (in)	mm (in)	kg (lb)	EA				
General bucket	0.58 (0.76)	0.50 (0.65)	950 (37.4")	1110 (43.7")	480 (1060)	5	●	◐	■
	0.52 (0.68)	0.45 (0.59)	870 (34.3")	1020 (40.2")	460 (1010)	5	●	●	◐
	0.65 (0.85)	0.55 (0.72)	1060 (41.7")	1210 (47.6")	513 (1130)	5	◐	■	■
Heavy duty	0.71 (0.93)	0.60 (0.78)	1140 (44.9")	1300 (51.2")	536 (1180)	5	■	▲	▲
Ditch cleaning	0.45 (0.59)	0.40 (0.52)	1520 (59.8")	-	410 (900)	0	●	●	●
Slope finishing	0.55 (0.72)	0.45 (0.59)	1800 (70.9")	-	585 (1290)	0	●	◐	■
Hammer -less tooth	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 (1080)	5	◐	■	■

●	Applicable for materials with density of 2100 kg/m <sup>3</sup> (3500 lb/yd <sup>3</sup> ) or less
◐	Applicable for materials with density of 1800 kg/m <sup>3</sup> (3000 lb/yd <sup>3</sup> ) or less
■	Applicable for materials with density of 1500 kg/m <sup>3</sup> (2500 lb/yd <sup>3</sup> ) or less
▲	Applicable for materials with density of 1200 kg/m <sup>3</sup> (2000 lb/yd <sup>3</sup> ) or less
X	Not recommended

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

Select an optimum combination according to the working conditions and the type of work that is being done.

Consult your HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.

## 7. SPECIFICATIONS FOR MAJOR COMPONENTS

### 1) ENGINE

Item	Specification
Maker / Model	CUMMINS / B4.5
Type	4-cycle, turbocharged, charge air cooled, electronic/mechanical controlled diesel engine
Cooling method	Water cooled
Number of cylinders and arrangement	4 cylinders, in-line
Firing order	1-3-2-4
Combustion chamber type	Direct injection type
Cylinder bore × stroke	107 × 124 mm (4.21" × 4.88")
Displacement	4.5 ℓ (275 cu in)
Compression ratio	17.2 : 1
Gross power	174 Hp (129 kW ) at 2200 rpm
Net power	171 Hp (127 kW) at 2200 rpm
Max. power	174 Hp (129 kW) at 2200 rpm
Peak Torque	780 N · m (575 lb · ft) at 1500 rpm
Engine oil quantity	11 ℓ (2.9 U.S. gal)
Wet weight or Dry weight	378 kg (833 lb)
Starter motor	24 V-4.8 kW
Alternator	24 V-95 A
Battery	2 × 12 × 100 Ah

### 2) MAIN PUMP

Item	Specification
Type	Variable displacement piston pump
Capacity	145 cc/rev
Maximum pressure	350 kgf/cm <sup>2</sup> (4980 psi)
Maximum pressure (power boost)	380 kgf/cm <sup>2</sup> (5400 psi)
Rated oil flow	260 ℓ /min (68.7 U.S. gpm / 57.2 U.K. gpm)
Rated speed	1800 rpm

### 3) STEERING PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	35cc/rev
Maximum pressure	210 kgf/cm <sup>2</sup> (2990 psi)
Rated oil flow	60 ℓ /min (15.9 U.S. gpm/13.2 U.K. gpm)

### 4) MAIN CONTROL VALVE

Item	Specification
Type	Section block
Operating method	Hydraulic pilot system
Main relief valve pressure	350 kgf/cm <sup>2</sup> (4980 psi)
Main relief valve pressure (power boost)	380 kgf/cm <sup>2</sup> (5400 psi)
Overload relief valve pressure	420 kgf/cm <sup>2</sup> (5970 psi)

### 5) SWING UNIT

Item	Specification
Type	Fixed displacement radial piston motor
Capacity	1687 cc/rev
Relief pressure	270 kgf/cm <sup>2</sup> (3840 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	746 kgf · m (5394 lbf · ft)
Brake release pressure	15~40 kgf/cm <sup>2</sup> (213~569 psi)
Reduction gear type	-

### 6) TRAVEL MOTOR

Item	Specification	
	Type 1	Type 2
Type	Variable displacement bent-axis axial piston motor	
Relief pressure	400 kgf/cm <sup>2</sup> (5690 psi)	400 kgf/cm <sup>2</sup> (5690 psi)
Counter balance valve	Applied	Applied
Capacity (max/min)	140/51.8 cc/rev	140/102 cc/rev

## 7) POWER TRAIN

Item	Description		Specification
Transmission	Type		2 speed power shift transmission
	Gear ratio	1st	4.87
		2nd	1.20
	Clutch pressure		30~35 kgf /cm <sup>2</sup> (427~498 psi)
Parking brake	Type		Multi disc brake integrated in transmission
	Maximum braking torque		2466 kgf · m (17837 lbf · ft)
Axle	Type		4 wheel drive with differential
	Gear ratio		16.0
	Brake		Multi disc brake
	Brake pressure		81.6 kgf /cm <sup>2</sup> (1160 psi)
	Steering pressure		204 kgf /cm <sup>2</sup> (2900 psi)

## 8) POWER TRAIN GEAR PUMP

Item	Description
Capacity	Steering + brake : 19.4 + 11.9 cc / rev (Engine PTO)
Rated flow	Steering + brake : 34 + 21 lpm (Engine PTO) (9.0 + 5.5 U.S. gpm / 7.5 + 4.6 U.K. gpm)

## 9) REMOTE CONTROL VALVE

Item		Specification
Type		Pressure reducing
Operating pressure	Min	5 kgf /cm <sup>2</sup> (80 psi)
	Max	40 kgf /cm <sup>2</sup> (570 psi)
Single operation stroke	Lever (port 1, 3)	86 mm (3.4 in)
	Lever (port 2, 4)	109 mm (4.3 in)

## 10) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Stroke	Ø 105 × 1105 mm
	Cushion	Extend and retract
2-piece boom cylinder	Bore dia × Stroke	Ø 105 × 992 mm
	Cushion	Extend and retract
Adjust cylinder	Bore dia × Stroke	Ø 145 × 634 mm
	Cushion	Extend and retract
Arm cylinder	Bore dia × Stroke	Ø 115 × 1138 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Stroke	Ø 100 × 850 mm
	Cushion	Extend only
Dozer cylinder	Bore dia × Stroke	Ø 110 × 235 mm
	Cushion	-
Outrigger cylinder	Bore dia × Stroke	Ø 125 × 463 mm
	Cushion	-

※ Discoloration of cylinder rod can occur when the friction reduction additive of lubrication oil spreads on the rod surface.

※ Discoloration does not cause any harmful effect on the cylinder performance.

## 8. RECOMMENDED OILS

HD Hyundai Construction Equipment genuine lubricating oils have been developed to offer the best performance and service life for your equipment. These oils have been tested according to the specifications of HD Hyundai Construction Equipment and, therefore, will meet the highest safety and quality requirements.

We recommend that you use only HD Hyundai Construction Equipment genuine lubricating oils and grease officially approved by HD Hyundai Construction Equipment.

Service point	Kind of fluid	Capacity ℓ (U.S. gal)	Ambient temperature °C ( °F)								
			-50 (-58)	-30 (-22)	-20 (-4)	-10 (14)	0 (32)	10 (50)	20 (68)	30 (86)	40 (104)
Engine oil pan	Engine oil	11 (2.9)	★SAE 5W-40						SAE 30		
Transmission case		2.5 (0.7)	SAE 10W				SAE 10W-30				
		SAE 15W-40									
DEF/ AdBlue® tank	Mixture of urea and deionized water	48 (12.7)	ISO 22241, High-purity urea + deionized water (32.5:67.5)								
Front axle	Gear oil	Center : 10.5 (2.8) Hub : 2.5×2 (0.7×2)									
Rear axle		Center : 12.5 (3.1) Hub : 2.5×2 (0.7×2)									
Front wide axle		Center : 11.6 (3.1) Hub : 2.5×2 (0.7)	SAE 85W-90 LSD or UTTO								
Rear wide axle		Center : 14.0 (3.7) Hub : 2.5×2 (0.7)									
Hydraulic tank	Hydraulic oil	Tank: 103 (27.2) System: 187 (49.4)	★ISO VG 15						ISO VG 32		
			ISO VG 46, HBHO★ <sup>3</sup>				ISO VG 68				
Fuel tank	Diesel fuel★ <sup>1</sup>	200 (52.8)	★ASTM D975 NO.1					ASTM D975 NO.2			
Fitting (Grease nipple)	Grease	As required	★NLGI NO.1						NLGI NO.2		
Radiator (Reservoir tank)	Mixture of antifreeze and soft water★ <sup>2</sup>	19.5 (5.2)	Ethylene glycol base permanent type (50 : 50)								
			★Ethylene glycol base permanent type (60 : 40)								

**SAE** : Society of Automotive Engineers

**API** : American Petroleum Institute

**ISO** : International Organization for Standardization

**NLGI** : National Lubricating Grease Institute

**ASTM** : American Society of Testing and Material

**DEF** : Diesel Exhaust Fluid, DEF compatible with AdBlue®

★ : Cold region (Russia, CIS, Mongolia)

★<sup>1</sup> : Ultra low sulfur diesel  
- sulfur content ≤ 10 ppm

★<sup>2</sup> : Soft water  
City water or distilled water

★<sup>3</sup> : HD Hyundai Construction Equipment  
Bio Hydraulic Oil

※ Using any lubricating oils other than HD Hyundai Construction Equipment genuine products may lead to a deterioration of performance and cause damage to major components.

※ Do not mix HD Hyundai Construction Equipment genuine oil with any other lubricating oil as it may result in damage to the systems of major components.

※ Do not use any engine oil other than that specified above, as it may clog the diesel particulate filter(DPF).

※ For HD Hyundai Construction Equipment genuine lubricating oils and grease for use in regions with extremely low temperatures, please contact your local HD Hyundai Construction Equipment dealers.