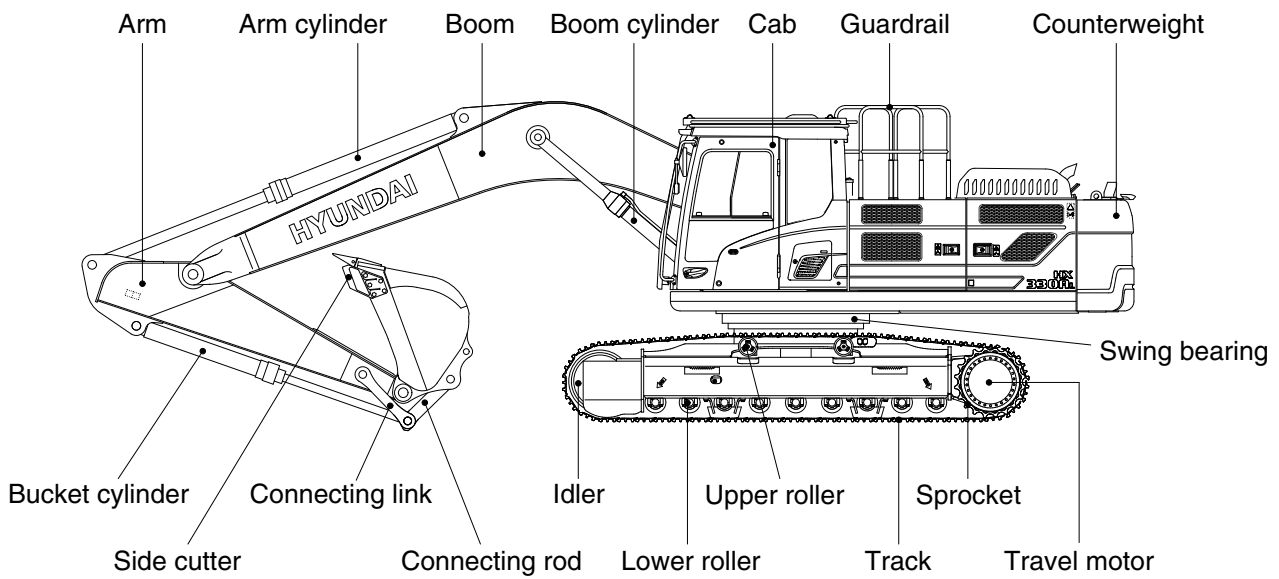
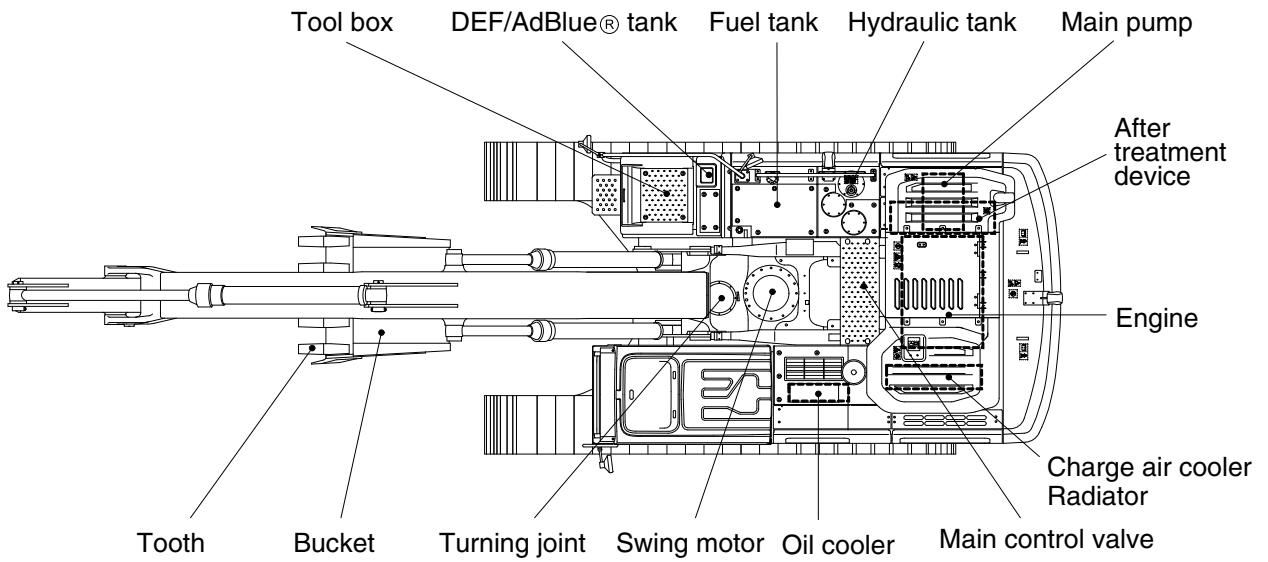


# SPECIFICATIONS

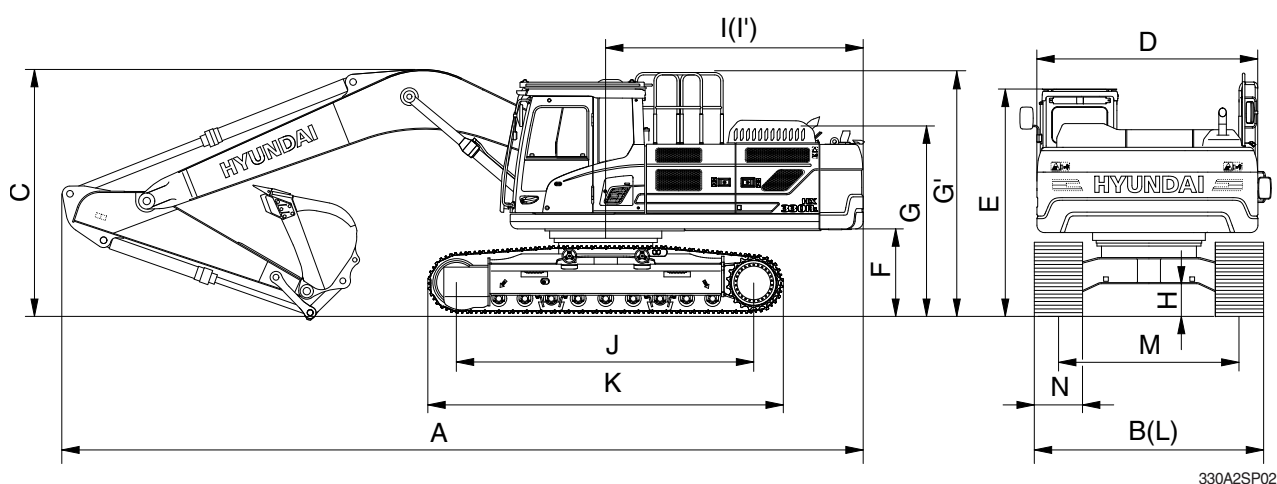
## 1. MAJOR COMPONENT



330A2SP01A

## 2. SPECIFICATIONS

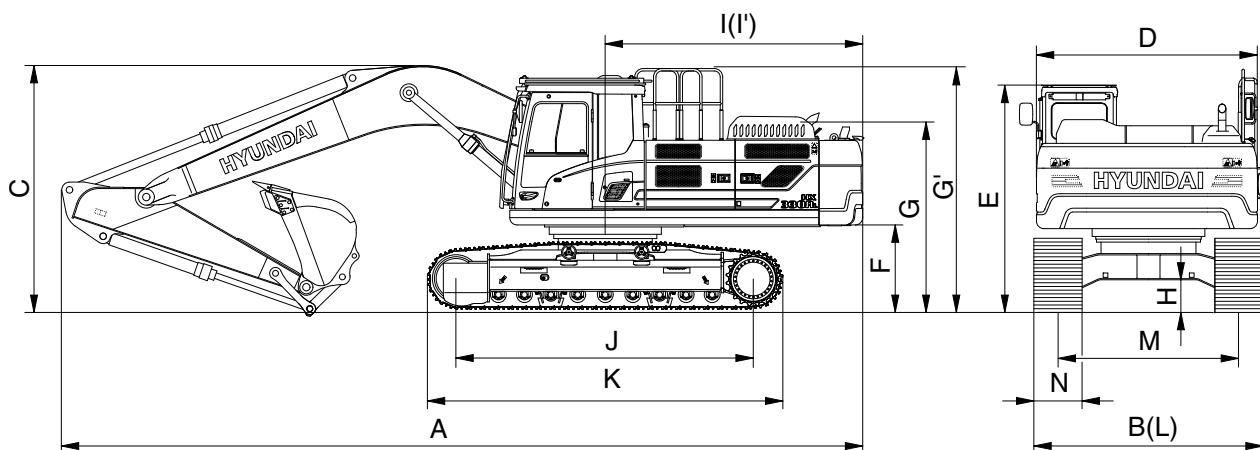
### 1) HX330A L / HX350A L, BOOM



330A2SP02

Description	Unit		Specification			
	m (ft-in)	Boom	6.45 (21' 2")			
		Arm	3.20 (10' 6")	2.20 (7' 3")	2.50 (8' 2")	4.05 (13' 3")
	mm (in)	Shoe	600 (24)			
Operating weight	kg (lb)		33680 (74096)	33460 (73612)	33570 (73854)	33900 (74580)
Bucket capacity (SAE heaped), standard	m <sup>3</sup> (yd <sup>3</sup> )		1.44 (1.88)	1.44 (1.88)	1.44 (1.88)	1.44 (1.88)
Overall length	A	mm (ft-in)	11220 (36' 10")	11460 (37' 7")	11340 (37' 2")	11200 (36' 9")
Overall width	B		3280 (10' 9")	3280 (10' 9")	3280 (10' 9")	3280 (10' 9")
Overall height of boom	C		3360 (11' 0")	3630 (11' 11")	3540 (11' 7")	3880 (12' 9")
Superstructure width	D		2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Overall height of cab	E		3145 (10' 4")	3145 (10' 4")	3145 (10' 4")	3145 (10' 4")
Ground clearance of counterweight	F		1200 (3' 11")	1200 (3' 11")	1200 (3' 11")	1200 (3' 11")
Overall height of engine hood	G		2610 (8' 7")	2610 (8' 7")	2610 (8' 7")	2610 (8' 7")
Overall height of guardrail	G'		3350 (11' 0")	3350 (11' 0")	3350 (11' 0")	3350 (11' 0")
Minimum ground clearance	H		500 (1' 8")	500 (1' 8")	500 (1' 8")	500 (1' 8")
Rear-end distance	I		3505 (11' 5")	3505 (11' 5")	3505 (11' 5")	3505 (11' 5")
Rear-end swing radius	I'		3570 (11' 7")	3570 (11' 7")	3570 (11' 7")	3570 (11' 7")
Distance between tumblers	J		4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")
Undercarriage length	K		4940 (16' 2")	4940 (16' 2")	4940 (16' 2")	4940 (16' 2")
Undercarriage width	L		3280 (10' 9")	3280 (10' 9")	3280 (10' 9")	3280 (10' 9")
Track gauge	M		2680 (8' 10")	2680 (8' 10")	2680 (8' 10")	2680 (8' 10")
Track shoe width, standard	N		600 (24")	600 (24")	600 (24")	600 (24")
Travel speed (low/high)	km/hr (mph)		3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)
Swing speed	rpm		10.2	10.2	10.2	10.2
Gradeability	Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure	kgf/cm <sup>2</sup> (psi)		0.65 (9.22)	0.64 (9.16)	0.65 (9.19)	0.65 (9.28)
Max traction force	kg (lb)		27404 (60415)	27404 (60415)	27404 (60415)	27404 (60415)

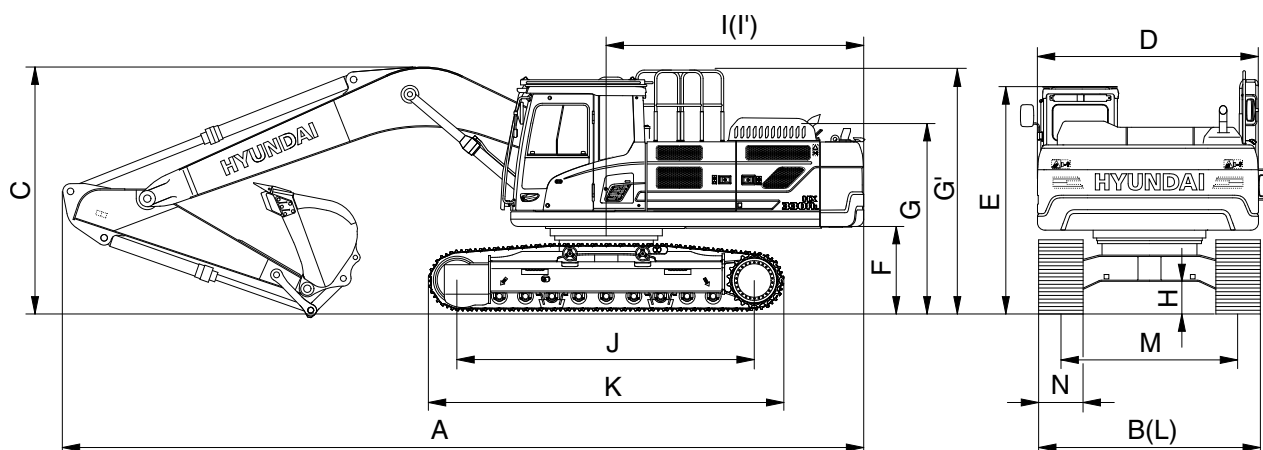
## 2) HX330A L / HX350A L, SHORT BOOM



330A2SP02

Description	Unit		Specification		
	m (ft-in)	Boom	6.15 (20' 2")		
		Arm	3.20 (10' 6")	2.20 (7' 3")	2.50 (8' 2")
	mm (in)	Shoe	600 (24)		
Operating weight	kg (lb)		33620 (73964)	33410 (73502)	33520 (73744)
Bucket capacity (SAE heaped), standard	m <sup>3</sup> (yd <sup>3</sup> )		1.44 (1.88)	1.44 (1.88)	1.44 (1.88)
Overall length	A	mm (ft-in)	10910 (35' 10")	11600 (36' 7")	11040 (36' 3")
Overall width	B		3280 (10' 9")	3280 (10' 9")	3280 (10' 9")
Overall height of boom	C		3420 (11' 3")	3600 (11' 10")	3600 (11' 10")
Superstructure width	D		2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Overall height of cab	E		3145 (10' 4")	3145 (10' 4")	3145 (10' 4")
Ground clearance of counterweight	F		1200 (3' 11")	1200 (3' 11")	1200 (3' 11")
Overall height of engine hood	G		2610 (8' 7")	2610 (8' 7")	2610 (8' 7")
Overall height of guardrail	G'		3350 (11' 0")	3350 (11' 0")	3350 (11' 0")
Minimum ground clearance	H		500 (1' 8")	500 (1' 8")	500 (1' 8")
Rear-end distance	I		3505 (11' 5")	3505 (11' 5")	3505 (11' 5")
Rear-end swing radius	I'		3570 (11' 7")	3570 (11' 7")	3570 (11' 7")
Distance between tumbler	J		4030 (13' 3")	4030 (13' 3")	4030 (13' 3")
Undercarriage length	K		4940 (16' 2")	4940 (16' 2")	4940 (16' 2")
Undercarriage width	L		3280 (10' 9")	3280 (10' 9")	3280 (10' 9")
Track gauge	M		2680 (8' 10")	2680 (8' 10")	2680 (8' 10")
Track shoe width, standard	N		600 (24")	600 (24")	600 (24")
Travel speed (low/high)	km/hr (mph)		3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)
Swing speed	rpm		10.2	10.2	10.2
Gradeability	Degree (%)		35 (70)	35 (70)	35 (70)
Ground pressure	kgf/cm <sup>2</sup> (psi)		0.65 (9.2)	0.64 (9.15)	0.65 (9.18)
Max traction force	kg (lb)		27404 (60415)	27404 (60415)	27404 (60415)

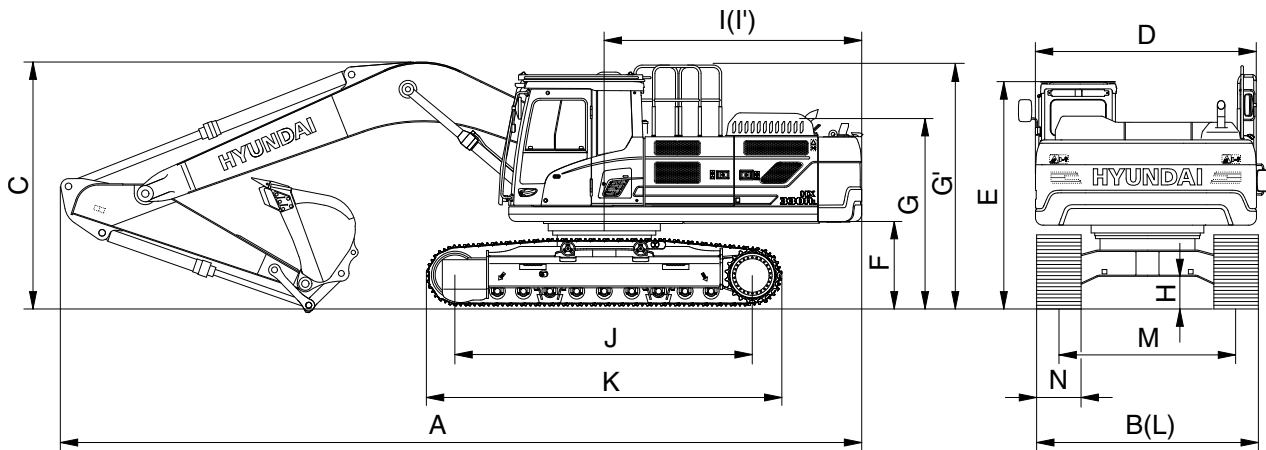
### 3) HX330A NL / HX350A NL, BOOM



330A2SP03

Description	Unit		Specification			
	m (ft-in)	Boom	6.45 (21' 2")			
		Arm	3.20 (10' 6")	2.20 (7' 3")	2.50 (8' 2")	4.05 (13' 3")
	mm (in)	Shoe	600 (24)			
Operating weight	kg (lb)		33460 (73612)	33250 (73150)	33360 (73392)	33690 (74118)
Bucket capacity (SAE heaped), standard	m <sup>3</sup> (yd <sup>3</sup> )		1.44 (1.88)	1.44 (1.88)	1.44 (1.88)	1.44 (1.88)
Overall length	A	mm (ft-in)	11220 (36' 10")	11460 (37' 7")	11340 (37' 2")	11200 (36' 9")
Overall width	B		2990 (9' 10")	2990 (9' 10")	2990 (9' 10")	2990 (9' 10")
Overall height of boom	C		3360 (11' 0")	3630 (11' 11")	3540 (11' 7")	3880 (12' 9")
Superstructure width	D		2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Overall height of cab	E		3145 (10' 4")	3145 (10' 4")	3145 (10' 4")	3145 (10' 4")
Ground clearance of counterweight	F		1200 (3' 11")	1200 (3' 11")	1200 (3' 11")	1200 (3' 11")
Overall height of engine hood	G		2610 (8' 7")	2610 (8' 7")	2610 (8' 7")	2610 (8' 7")
Overall height of guardrail	G'		3350 (11' 0")	3350 (11' 0")	3350 (11' 0")	3350 (11' 0")
Minimum ground clearance	H		500 (1' 8")	500 (1' 8")	500 (1' 8")	500 (1' 8")
Rear-end distance	I		3505 (11' 5")	3505 (11' 5")	3505 (11' 5")	3505 (11' 5")
Rear-end swing radius	I'		3570 (11' 7")	3570 (11' 7")	3570 (11' 7")	3570 (11' 7")
Distance between tumblers	J		4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")
Undercarriage length	K		4940 (16' 2")	4940 (16' 2")	4940 (16' 2")	4940 (16' 2")
Undercarriage width	L		2990 (9' 10")	2990 (9' 10")	2990 (9' 10")	2990 (9' 10")
Track gauge	M		2390 (7' 10")	2390 (7' 10")	2390 (7' 10")	2390 (7' 10")
Track shoe width, standard	N		600 (24")	600 (24")	600 (24")	600 (24")
Travel speed (low/high)	km/hr (mph)		3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)
Swing speed	rpm		10.2	10.2	10.2	10.2
Gradeability	Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure	kgf/cm <sup>2</sup> (psi)		0.64 (9.16)	0.64 (9.1)	0.64 (9.13)	0.65 (9.22)
Max traction force	kg (lb)		27404 (60415)	27404 (60415)	27404 (60415)	27404 (60415)

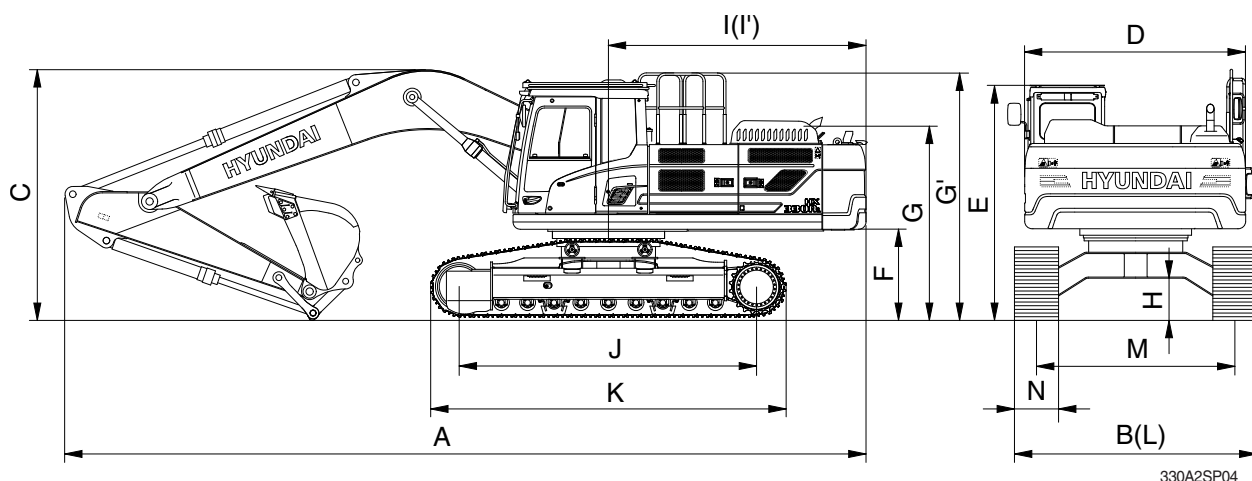
#### 4) HX330A NL / HX350A NL, SHORT BOOM



330A2SP03

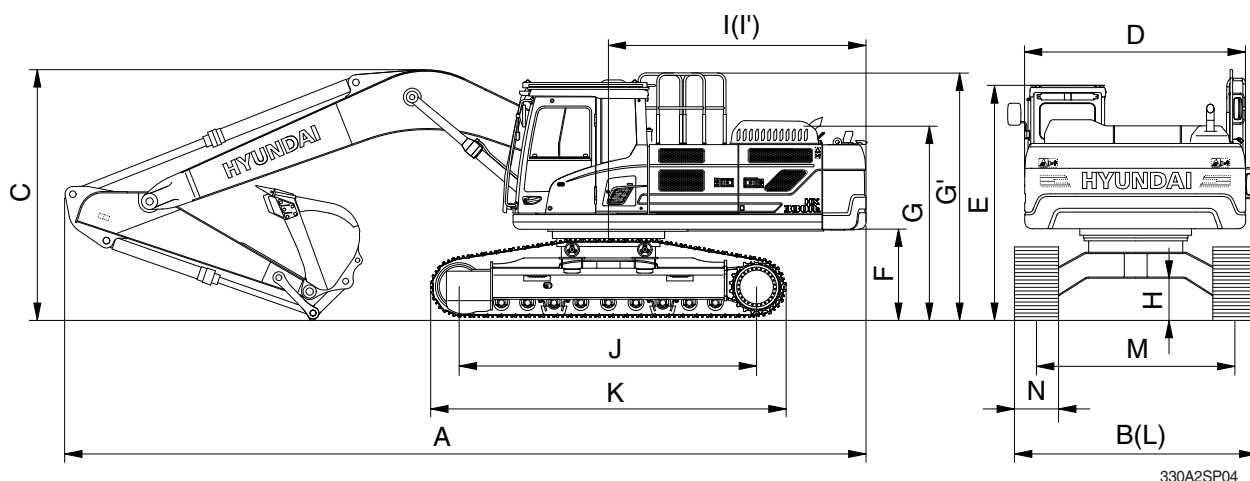
Description		Unit		Specification		
		m (ft-in)	Boom	6.15 (20' 2")		
			Arm	3.20 (10' 6")	2.20 (7' 3")	2.50 (8' 2")
			Shoe	600 (24)		
Operating weight		kg (lb)		33410 (73502)	33200 (73040)	33310 (73282)
Bucket capacity (SAE heaped), standard		m <sup>3</sup> (yd <sup>3</sup> )		1.44 (1.88)	1.44 (1.88)	1.44 (1.88)
Overall length	A	mm (ft-in)		10910 (35' 10")	11160 (36' 7")	11040 (36' 3")
Overall width	B			2990 (9' 10")	2990 (9' 10")	2990 (9' 10")
Overall height of boom	C			3420 (11' 3")	3600 (11' 10")	3600 (11' 10")
Superstructure width	D			2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Overall height of cab	E			3145 (10' 4")	3145 (10' 4")	3145 (10' 4")
Ground clearance of counterweight	F			1200 (3' 11")	1200 (3' 11")	1200 (3' 11")
Overall height of engine hood	G			2610 (8' 7")	2610 (8' 7")	2610 (8' 7")
Overall height of guardrail	G'			3350 (11' 0")	3350 (11' 0")	3350 (11' 0")
Minimum ground clearance	H			500 (1' 8")	500 (1' 8")	500 (1' 8")
Rear-end distance	I			3505 (11' 5")	3505 (11' 5")	3505 (11' 5")
Rear-end swing radius	I'			3570 (11' 7")	3570 (11' 7")	3570 (11' 7")
Distance between tumblers	J			4030 (13' 3")	4030 (13' 3")	4030 (13' 3")
Undercarriage length	K			4940 (16' 2")	4940 (16' 2")	4940 (16' 2")
Undercarriage width	L			3280 (10' 9")	3280 (10' 9")	3280 (10' 9")
Track gauge	M			2680 (8' 10")	2680 (8' 10")	2680 (8' 10")
Track shoe width, standard	N			600 (24")	600 (24")	600 (24")
Travel speed (low/high)		km/hr (mph)		3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)
Swing speed		rpm		10.2	10.2	10.2
Gradeability		Degree (%)		35 (70)	35 (70)	35 (70)
Ground pressure		kgf/cm <sup>2</sup> (psi)		0.64 (9.15)	0.64 (9.09)	0.64 (9.12)
Max traction force		kg (lb)		27404 (60415)	27404 (60415)	27404 (60415)

### 5) HX330A HW / HX350A HW, BOOM



Description		Unit		Specification			
		m (ft-in)	Boom	6.45 (21' 2")			
			Arm	3.20 (10' 6")	2.20 (7' 3")	2.50 (8' 2")	4.05 (13' 3")
		mm (in)	Shoe	700 (28)			
Operating weight		kg (lb)		37100 (81620)	36890 (81158)	37000 (81400)	37330 (82126)
Bucket capacity (SAE heaped), standard		m³ (yd³)		1.44 (1.88)	1.44 (1.88)	1.44 (1.88)	1.44 (1.88)
Overall length	A	mm (ft-in)		11150 (36' 7")	11460 (37' 7")	11340 (37' 2")	11240 (36' 11")
Overall width	B			3570 (11' 9")	3570 (11' 9")	3570 (11' 9")	3570 (11' 9")
Overall height of boom	C			3360 (11' 0")	3740 (12' 4")	3760 (12' 4")	3810 (12' 6")
Superstructure width	D			2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Overall height of cab	E			3480 (11' 0")	3480 (11' 0")	3480 (11' 0")	3480 (11' 0")
Ground clearance of counterweight	F			1535 (5' 0")	1535 (5' 0")	1535 (5' 0")	1535 (5' 0")
Overall height of engine hood	G			2910 (9' 7")	2910 (9' 7")	2910 (9' 7")	2910 (9' 7")
Overall height of guardrail	G'			3650 (12' 0")	3650 (12' 0")	3650 (12' 0")	3650 (12' 0")
Minimum ground clearance	H			800 (2' 7")	800 (2' 7")	800 (2' 7")	800 (2' 7")
Rear-end distance	I			3505 (11' 5")	3505 (11' 5")	3505 (11' 5")	3505 (11' 5")
Rear-end swing radius	I'			3570 (11' 7")	3570 (11' 7")	3570 (11' 7")	3570 (11' 7")
Distance between tumblers	J			4030 (13' 3")	4030 (13' 3")	4030 (13' 3")	4030 (13' 3")
Undercarriage length	K			4940 (16' 2")	4940 (16' 2")	4940 (16' 2")	4940 (16' 2")
Undercarriage width	L			3570 (11' 9")	3570 (11' 9")	3570 (11' 9")	3570 (11' 9")
Track gauge	M	2870 (9' 5")	2870 (9' 5")	2870 (9' 5")	2870 (9' 5")		
Track shoe width, standard	N	700 (28")	700 (28")	700 (28")	700 (28")		
Travel speed (low/high)		km/hr (mph)		3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)
Swing speed		rpm		10.2	10.2	10.2	10.2
Gradeability		Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure		kgf/cm² (psi)		0.61 (8.69)	0.61 (8.64)	0.61 (8.66)	0.62 (8.86)
Max traction force		kg (lb)		27404 (60415)	27404 (60415)	27404 (60415)	27404 (60415)

## 6) HX330A HW / HX350A HW, SHORT BOOM

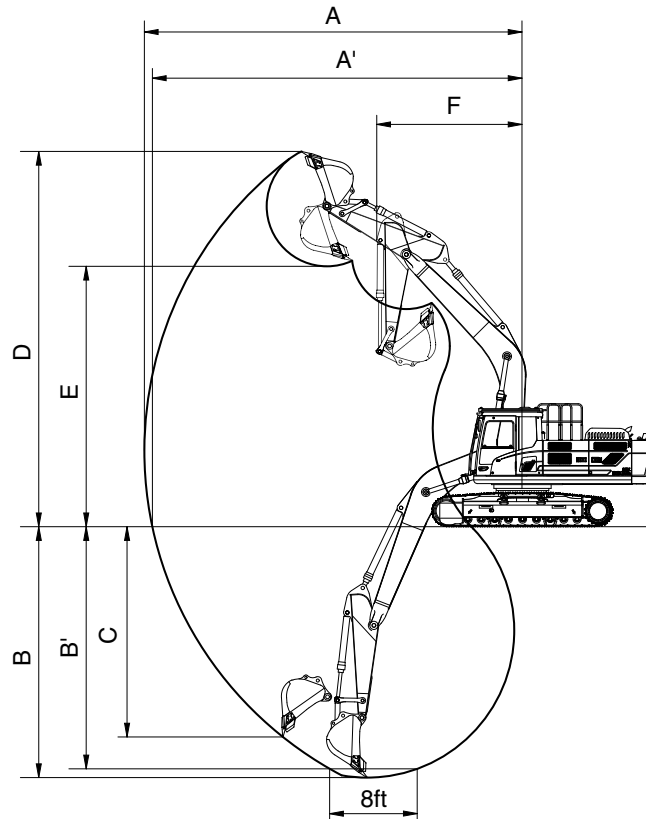


Description		Unit		Specification		
		m (ft-in)	Boom	6.15 (20' 2")		
			Arm	3.20 (10' 6")	2.20 (7' 3")	2.50 (8' 2")
			Shoe	700 (28)		
Operating weight		kg (lb)		37050 (81510)	36840 (81048)	36950 (81290)
Bucket capacity (SAE heaped), standard		m <sup>3</sup> (yd <sup>3</sup> )		1.44 (1.88)	1.44 (1.88)	1.44 (1.88)
Overall length	A	mm (ft-in)		10810 (35' 6")	11150 (36' 7")	11000 (36' 1")
Overall width	B			3280 (10' 9")	3280 (10' 9")	3280 (10' 9")
Overall height of boom	C			3440 (11' 3")	3810 (12' 6")	3690 (12' 1")
Superstructure width	D			2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Overall height of cab	E			3480 (11' 0")	3480 (11' 0")	3480 (11' 0")
Ground clearance of counterweight	F			1535 (5' 0")	1535 (5' 0")	1535 (5' 0")
Overall height of engine hood	G			2610 (8' 7")	2610 (8' 7")	2610 (8' 7")
Overall height of guardrail	G'			3650 (12' 0")	3650 (12' 0")	3650 (12' 0")
Minimum ground clearance	H			800 (2' 7")	800 (2' 7")	800 (2' 7")
Rear-end distance	I			3505 (11' 5")	3505 (11' 5")	3505 (11' 5")
Rear-end swing radius	I'			3570 (11' 7")	3570 (11' 7")	3570 (11' 7")
Distance between tumblers	J			4030 (13' 3")	4030 (13' 3")	4030 (13' 3")
Undercarriage length	K			4940 (16' 2")	4940 (16' 2")	4940 (16' 2")
Undercarriage width	L			3570 (11' 9")	3570 (11' 9")	3570 (11' 9")
Track gauge	M			2870 (9' 5")	2870 (9' 5")	2870 (9' 5")
Track shoe width, standard	N			700 (28")	700 (28")	700 (28")
Travel speed (low/high)		km/hr (mph)		3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)	3.5/6.4 (2.2/4.0)
Swing speed		rpm		10.2	10.2	10.2
Gradeability		Degree (%)		35 (70)	35 (70)	35 (70)
Ground pressure		kgf/cm <sup>2</sup> (psi)		0.61 (8.67)	0.61 (8.62)	0.61 (8.65)
Max traction force		kg (lb)		27404 (60415)	27404 (60415)	27404 (60415)



### 3. WORKING RANGE AND DIGGING FORCE

#### 1) HX330A L,NL / HX350A L,NL, BOOM



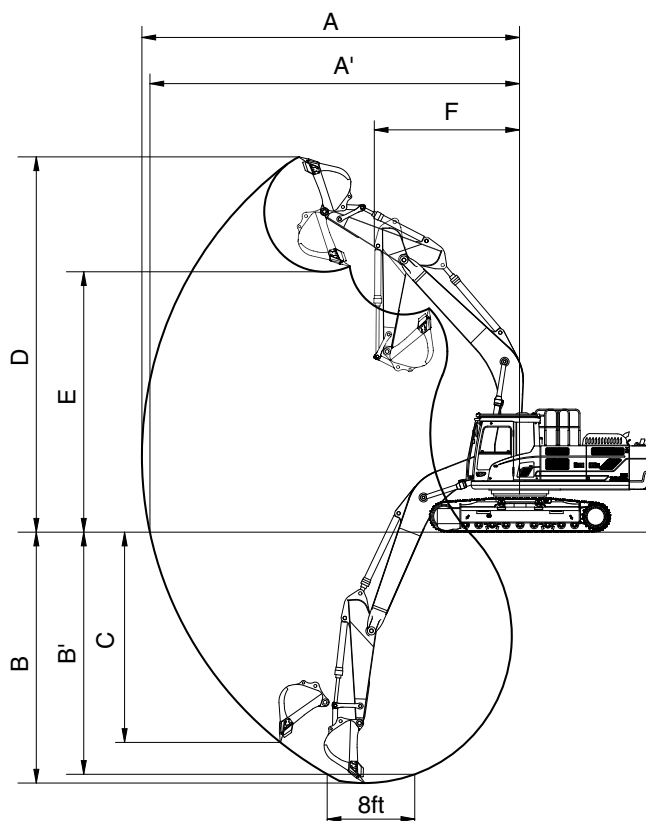
330A2SP05

Description	m (ft-in)	Boom	6.45 (21' 2")			
		Arm	3.20 (10' 6")	2.20 (7' 3")	2.50 (8' 2")	4.05 (13' 3")
Max digging reach	mm (ft-in)	A	11150 (36' 7")	10330 (33' 11")	10500 (34' 5")	11950 (39' 2")
Max digging reach on ground		A'	10950 (35' 11")	10120 (33' 2")	10290 (33' 9")	11770 (38' 7")
Max digging depth		B	7360 (24' 2")	6360 (20' 10")	6660 (21' 10")	8210 (26' 11")
Max digging depth (8 ft level)		B'	7200 (23' 7")	6170 (20' 3")	6450 (21' 2")	8080 (26' 6")
Max vertical wall digging depth		C	6330 (20' 9")	5970 (19' 7")	5660 (18' 7")	7240 (23' 9")
Max digging height		D	10360 (34' 0")	10260 (33' 8")	10050 (33' 0")	10780 (35' 4")
Max dumping height		E	7260 (23' 10")	7060 (23' 2")	6950 (22' 10")	7670 (25' 2")
Min swing radius		F	4360 (14' 4")	4630 (15' 2")	4440 (14' 7")	4290 (14' 1")
Bucket digging force	kN	SAE	188.3 [205.5]	186.3 [203.3]	187.3 [204.4]	189.3 [206.4]
	kgf		19200 [20950]	19000 [20730]	19100 [20840]	19300 [21050]
	lbf		42330 [46190]	41890 [45700]	42110 [45940]	42550 [46410]
	kN	ISO	216.7 [230.4]	214.8 [234.3]	215.7 [235.4]	217.7 [237.5]
	kgf		22100 [24110]	21900 [23890]	22000 [24000]	22200 [24220]
	lbf		48720 [53150]	48280 [52670]	48500 [52910]	48940 [53400]
Arm digging force	kN	SAE	140.2 [153.0]	195.2 [212.9]	175.5 [191.5]	118.7 [129.4]
	kgf		14300 [15600]	19900 [21710]	17900 [19530]	12100 [13200]
	lbf		31530 [34390]	43870 [47860]	39460 [43060]	26680 [29100]
	kN	ISO	145.1 [158.4]	205.0 [223.6]	184.4 [201.1]	123.6 [134.8]
	kgf		14800 [16150]	20900 [22800]	18800 [20510]	12600 [13750]
	lbf		32630 [35600]	46080 [50270]	41450 [45220]	27780 [30310]

[ ] : Power boost



## 2) HX330A L,NL / HX350A L,NL, SHORT BOOM

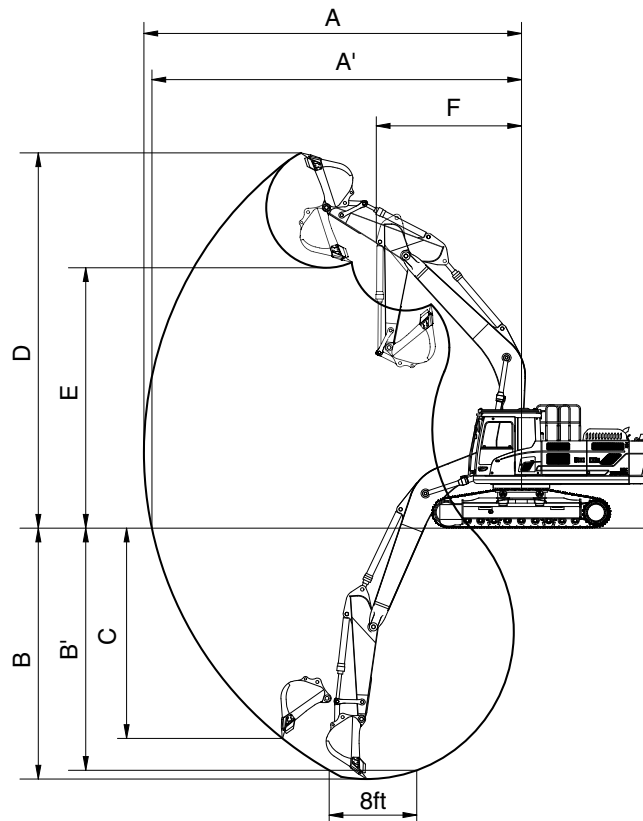


330A2SP05

Description	m (ft-in)	Boom	6.15 (20' 2")		
		Arm	2.20 (7' 3")	2.50 (8' 2")	3.20 (10' 6")
Max digging reach	mm (ft-in)	A	10020 (32' 10")	10190 (33' 5")	10840 (35' 7")
Max digging reach on ground		A'	9810 (32' 2")	9980 (32' 9")	10640 (34' 11")
Max digging depth		B	6150 (20' 2")	6450 (21' 2")	7150 (23' 5")
Max digging depth (8 ft level)		B'	5950 (19' 6")	6230 (20' 5")	6980 (22' 11")
Max vertical wall digging depth		C	5700 (18' 8")	5420 (17' 9")	6100 (20' 0")
Max digging height		D	9980 (32' 9")	9760 (32' 0")	11080 (33' 1")
Max dumping height		E	6790 (22' 3")	6670 (21' 11")	6980 (22' 11")
Min swing radius		F	4450 (14' 7")	4290 (14' 1")	4200 (13' 9")
Bucket digging force	kN	SAE	186.3 [203.3]	187.3 [204.4]	188.3 [205.5]
	kgf		19000 [20730]	19100 [20840]	19200 [20950]
	lbf		41890 [45700]	42110 [45940]	42330 [46190]
	kN	ISO	214.8 [234.3]	217.7 [237.5]	216.7 [236.4]
	kgf		21900 [23890]	22200 [24220]	22100 [24110]
	lbf		48280 [52670]	48940 [53400]	48720 [53150]
Arm digging force	kN	SAE	195.2 [212.9]	175.5 [191.5]	140.2 [153.0]
	kgf		19900 [21710]	17900 [19530]	14300 [15600]
	lbf		43870 [47860]	39460 [43060]	31530 [34390]
	kN	ISO	205.0 [223.6]	184.4 [201.1]	145.1 [158.4]
	kgf		20900 [22800]	18800 [20510]	14800 [16150]
	lbf		46080 [50270]	41450 [45220]	32630 [35600]

[ ] : Power boost

### 3) HX330A HW / HX350A HW, BOOM

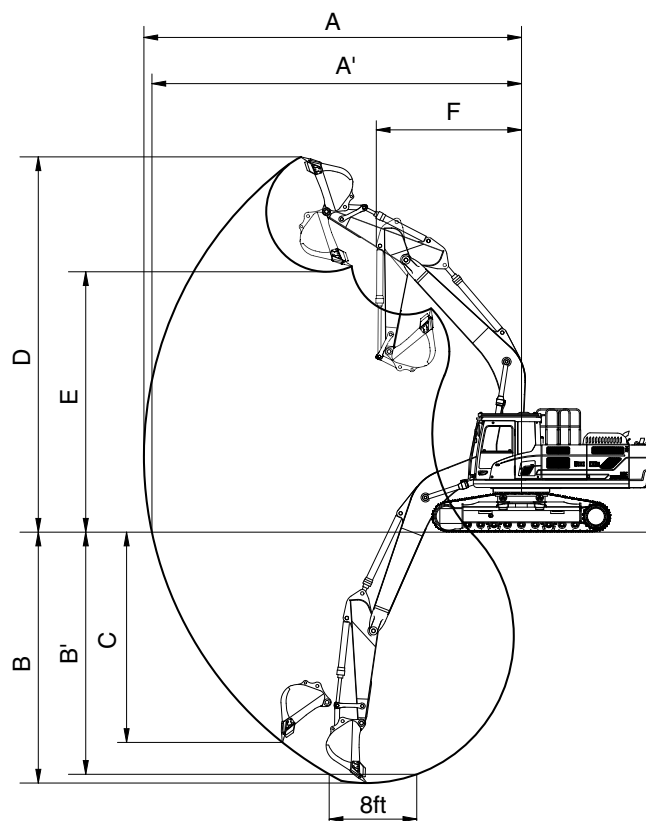


330A2SP06

Description	m (ft-in)	Boom 6.45 (21' 2")				
		Arm	3.20 (10' 6")	2.20 (7' 3")	2.50 (8' 2")	4.05 (13' 3")
Max digging reach	mm (ft-in)	A	11150 (36' 7")	10330 (33' 11")	10500 (34' 5")	11950 (39' 2")
Max digging reach on ground		A'	10950 (35' 11")	10120 (33' 2")	10290 (33' 9")	11770 (38' 7")
Max digging depth		B	7060 (23' 2")	6060 (19' 11")	6360 (20' 10")	7910 (25' 11")
Max digging depth (8 ft level)		B'	6890 (22' 7")	5860 (19' 3")	6140 (20' 2")	7780 (25' 6")
Max vertical wall digging depth		C	6030 (19' 9")	5670 (18' 7")	5360 (17' 7")	6940 (22' 9")
Max digging height		D	10670 (35' 0")	10560 (34' 8")	10350 (33' 11")	11080 (36' 4")
Max dumping height		E	7570 (24' 10")	7370 (24' 2")	7250 (23' 9")	7970 (26' 2")
Min swing radius		F	4360 (14' 4")	4630 (15' 2")	4440 (14' 7")	4290 (14' 1")
Bucket digging force	kN	SAE	188.3 [205.5]	186.3 [203.3]	187.3 [204.4]	189.3 [206.4]
	kgf		19200 [20950]	19000 [20730]	19100 [20840]	19300 [21050]
	lbf		42330 [46190]	41890 [45700]	42110 [45940]	42550 [46410]
	kN	ISO	216.7 [230.4]	214.8 [234.3]	215.7 [235.4]	217.7 [237.5]
	kgf		22100 [24110]	21900 [23890]	22000 [24000]	22200 [24220]
	lbf		48720 [53150]	48280 [52670]	48500 [52910]	48940 [53400]
Arm digging force	kN	SAE	140.2 [153.0]	195.2 [212.9]	175.5 [191.5]	118.7 [129.4]
	kgf		14300 [15600]	19900 [21710]	17900 [19530]	12100 [13200]
	lbf		31530 [34390]	43870 [47860]	39460 [43060]	26680 [29100]
	kN	ISO	145.1 [158.4]	205.0 [223.6]	184.4 [201.1]	123.6 [134.8]
	kgf		14800 [16150]	20900 [22800]	18800 [20510]	12600 [13750]
	lbf		32630 [35600]	46080 [50270]	41450 [45220]	27780 [30310]

[ ] : Power boost

#### 4) HX330A HW / HX350A HW, SHORT BOOM



330A2SP06

Description	m (ft-in)	Boom	6.15 (20' 2")		
		Arm	2.20 (7' 3")	2.50 (8' 2")	3.20 (10' 6")
Max digging reach	mm (ft-in)	A	10020 (32' 10")	10190 (33' 5")	10840 (35' 7")
Max digging reach on ground		A'	9810 (32' 2")	9910 (32' 6")	10580 (34' 9")
Max digging depth		B	5850 (19' 2")	6150 (20' 2")	6850 (22' 6")
Max digging depth (8 ft level)		B'	5650 (18' 6")	5920 (19' 5")	6670 (21' 11")
Max vertical wall digging depth		C	5400 (17' 9")	5110 (16' 9")	5790 (19' 0")
Max digging height		D	10280 (33' 9")	10070 (33' 0")	10380 (34' 1")
Max dumping height		E	7100 (23' 4")	6980 (22' 11")	7290 (23' 11")
Min swing radius		F	4450 (14' 7")	4290 (14' 1")	4200 (13' 9")
Bucket digging force	kN	SAE	186.3 [203.3]	187.3 [204.4]	188.3 [205.5]
	kgf		19000 [20730]	19100 [20840]	19200 [20950]
	lbf		41890 [45700]	42110 [45940]	42330 [46190]
	kN	ISO	214.8 [234.3]	217.7 [237.5]	216.7 [236.4]
	kgf		21900 [23890]	22200 [24220]	22100 [24110]
	lbf		48280 [52670]	48940 [53400]	48720 [53150]
Arm digging force	kN	SAE	195.2 [212.9]	175.5 [191.5]	140.2 [153.0]
	kgf		19900 [21710]	17900 [19530]	14300 [15600]
	lbf		43870 [47860]	39460 [43060]	31530 [34390]
	kN	ISO	205.0 [223.6]	184.4 [201.1]	145.1 [158.4]
	kgf		20900 [22800]	18800 [20510]	14800 [16150]
	lbf		46080 [50270]	41450 [45220]	32630 [35600]

[ ] : Power boost

## 4. WEIGHT

Item	HX330A L HX350A L		HX330A NL HX350A NL		HX330A HW HX350A HW	
	kg	lb	kg	lb	kg	lb
Upperstructure assembly						
· Main frame weld assembly	2,839	6,259	2,853	6,290	2,839	6,259
· Engine assembly	778	1,715	778	1,715	778	1,715
· Aftertreatment assembly	93	205	93	205	93	205
· Main pump assembly	181	399	181	399	181	399
· Main control valve assembly	220	485	220	485	220	485
· Swing motor assembly	345	761	345	761	345	761
· Hydraulic oil tank WA	205	451	205	451	205	451
· Fuel tank WA	235	518	235	518	235	518
· Counterweight	5,100	11,244	5,100	11,244	7,000	15,432
· Cab assembly	570	1,257	570	1,257	570	1,257
Lower chassis assembly						
· Track frame weld assembly	3,875	8,543	3,875	8,543	6,600	14,551
· Swing bearing	500	1,102	500	1,102	500	1,102
· Travel motor assembly (2EA)	886	1,954	886	1,954	886	1,954
· Turning joint	54	117	54	117	54	117
· Sprocket (2EA)	170	375	180	397	170	375
· Track recoil spring (2EA)	450	992	450	992	450	992
· Idler (2EA)	500	1,102	500	1,102	500	1,102
· Upper roller (2EA)	140	309	140	309	240	529
· Lower roller (18EA)	1,070	2,359	1,070	2,359	1,070	2,359
· Track-chain assembly (600 mm triple grouser shoe) (2EA)	3,759	8,287	3,759	8,287	-	-
· Track-chain assembly (700 mm triple grouser shoe) (2EA)	4,327	9539	-	-	-	-
· Track-chain assembly (700 mm double grouser shoe) (2EA)	-	-	-	-	5,237	11,546
· Track-chain assembly (800 mm triple grouser shoe) (2EA)	4,706	10,375	-	-	-	-
· Track-chain assembly (900 mm standard triple grouser shoe) (2EA)	5,085	11,211	-	-	-	-
Front attachment assembly						
· 6.45 m boom assembly	2,400	5,291	2,400	5,291	2,400	5,291
· 6.15 m boom assembly	3,150	6,944	3,150	6,944	3,150	6,944
· 3.20 m arm assembly	1,070	2,359	1,070	2,359	1,070	2,359
· 1.44 m³ SAE heaped bucket	1,130	2,491	1,130	2,491	1,130	2,491
· Boom cylinder assembly (2EA)	540	1,190	540	1,190	540	1,190
· Arm cylinder assembly	360	793	360	793	360	793
· Bucket cylinder assembly	220	485	220	485	140	308
· Bucket control linkage total	280	617	280	617	130	287

※ This information is different with operating and transportation weight because it is not including harness, pipe, oil, fuel so on.

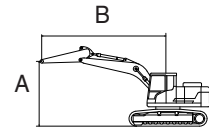
※ Refer to Transportation for actual weight information and Specifications for operating weight.













## 5. LIFTING CAPACITIES

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX330A L HX350A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6450	3200	6000	600	-	-	-	-	-

·  : 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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb							*6830 *15060	*6830 *15060			*5610 *12370	*5610 *12370	7.74 (25.4)
6.0 m (19.7 ft)	kg lb							*7900 *17420	7050 15540			*5430 *11970	*5430 *11970	8.62 (28.3)
4.5 m (14.8 ft)	kg lb			*12020 *26500	*12020 *26500	*9700 21300	9660 21300	*8550 *18850	6840 15080	*6670 *14700	5090 11220	*5450 *12020	4930 10870	9.17 (30.1)
3.0 m (9.8 ft)	kg lb			*15600 *34390	13920 30690	*11400 *25130	9130 20130	*9430 *20790	6580 14510	7430 16380	4980 10980	*5650 *12460	4610 10160	9.44 (31.0)
1.5 m (4.9 ft)	kg lb			*17450 *38470	13070 28810	*12910 *28460	8680 19140	9590 21140	6330 13960	7290 16070	4850 10690	*6050 *13340	4500 9920	9.47 (31.1)
0.0 m (0.0 ft)	kg lb			*17260 *38050	12710 28020	13180 29060	8390 18500	9390 20700	6150 13560	7200 15870	4770 10520	*6720 *14820	4590 10120	9.25 (30.4)
-1.5 m (-4.9 ft)	kg lb	*10800 *23810	*10800 *23810	*18990 *41870	12660 27910	13040 28750	8270 18230	9300 20500	6070 13380			7450 16420	4920 10850	8.77 (28.8)
-3.0 m (-9.8 ft)	kg lb	*17470 *38510	*17470 *38510	*17780 *39200	12780 28180	13090 28860	8310 18320	9360 20640	6120 13490			8590 18940	5660 12480	7.98 (26.2)
-4.5 m (-14.8 ft)	kg lb	*20720 *45680	*20720 *45680	*15280 *33690	13080 28840	*11480 *25310	8530 18810					*9660 *21300	7280 16050	6.76 (22.2)

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.

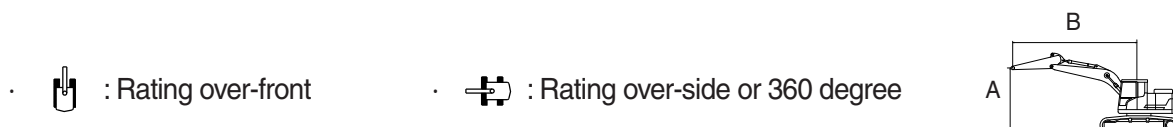
Lifting capacities will vary with different work tools, ground conditions and attachments.













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	
HX330A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX350A L		6450	3200	6000	800	-	-	-	-	-



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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg							*6830	*6830			*5610	*5610	7.74
	lb							*15060	*15060			*12370	*12370	(25.4)
6.0 m (19.7 ft)	kg							*7900	7220			*5430	*5430	8.62
	lb							*17420	15920			*11970	*11970	(28.3)
4.5 m (14.8 ft)	kg			*12020	*12020	*9700	*9700	*8550	7020	*6670	5230	*5450	5070	9.17
	lb			*26500	*26500	*21380	*21380	*18850	15480	*14700	11530	*12020	11180	(30.1)
3.0 m (9.8 ft)	kg			*15600	14270	*11400	9360	*9430	6750	7640	5120	*5650	4740	9.44
	lb			*34390	31460	*25130	20640	*20790	14880	16840	11290	*12460	10450	(31.0)
1.5 m (4.9 ft)	kg			*17450	13410	*12910	8910	9860	6500	7500	4990	*6050	4630	9.47
	lb			*38470	29560	*28460	19640	21740	14330	16530	11000	*13340	10210	(31.1)
0.0 m (0.0 ft)	kg			*17260	13060	13540	8620	9660	6320	7410	4900	*6720	4720	9.25
	lb			*38050	28790	29850	19000	21300	13930	16340	10800	*14820	10410	(30.4)
-1.5 m (-4.9 ft)	kg	*10800	*10800	*18990	13000	13410	8500	9570	6240			7670	5070	8.77
	lb	*23810	*23810	*41870	28660	29560	18740	21100	13760			16910	11180	(28.8)
-3.0 m (-9.8 ft)	kg	*17470	*17470	*17780	13120	*13420	8540	9630	6290			8840	5820	7.98
	lb	*38510	*38510	*39200	28920	*29590	18830	21230	13870			19490	12830	(26.2)
-4.5 m (-14.8 ft)	kg	*20720	*20720	*15280	13430	*11480	8760					*9660	7470	6.76
	lb	*45680	*45680	*33690	29610	*25310	19310					*21300	16470	(22.2)

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.

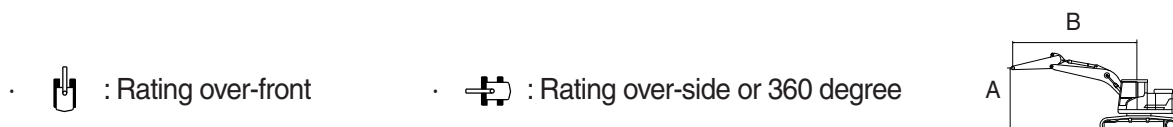
Lifting capacities will vary with different work tools, ground conditions and attachments.











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	
HX330A L HX350A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6150	2200	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*9780 *21560	*9780 *21560			*9930 *21890	9210 20300	6.31 (20.7)
6.0 m (19.7 ft)	kg lb					*9980 *22000	9930 21890			*9710 *21410	7120 15700	7.36 (24.2)
4.5 m (14.8 ft)	kg lb					*11160 *24600	9570 21100	*9860 *21740	6820 15040	9100 20060	6150 13560	8.00 (26.2)
3.0 m (9.8 ft)	kg lb					*12670 *27930	9130 20130	9900 21830	6630 14620	8450 18630	5680 12520	8.31 (27.3)
1.5 m (4.9 ft)	kg lb					13600 29980	8790 19380	9710 21410	6450 14220	8300 18300	5560 12260	8.34 (27.4)
0.0 m (0.0 ft)	kg lb					13400 29540	8610 18980	9600 21160	6350 14000	8610 18980	5750 12680	8.10 (26.6)
-1.5 m (-4.9 ft)	kg lb			*18560 *40920	13130 28950	13380 29500	8590 18940	9630 21230	6390 14090	9570 21100	6350 14000	7.54 (24.7)
-3.0 m (-9.8 ft)	kg lb	*21300 *46960	*21300 *46960	*16420 *36200	13350 29430	*12400 *27340	8760 19310			*10710 *23610	7750 17090	6.60 (21.6)

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.

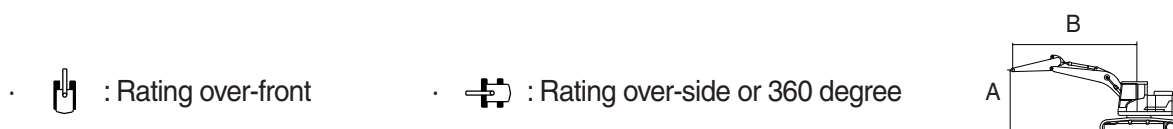
The difference between the weight of a work tool attachment must be subtracted.











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	
HX330A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX350A L		6150	2500	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*9120 *20110	*9120 *20110			*9270 *20440	8780 19360	6.53 (21.4)
6.0 m (19.7 ft)	kg lb					*9490 *20920	*9490 *20920	*9160 *20190	6950 15320	*9000 *19840	6860 15120	7.55 (24.8)
4.5 m (14.8 ft)	kg lb			*13430 *29610	*13430 *29610	*10710 *23610	9600 21160	*9490 *20920	6820 15040	8800 19400	5940 13100	8.17 (26.8)
3.0 m (9.8 ft)	kg lb					*12270 *27050	9140 20150	9890 21800	6610 14570	8180 18030	5500 12130	8.48 (27.8)
1.5 m (4.9 ft)	kg lb					13580 29940	8760 19310	9670 21320	6420 14150	8020 17680	5360 11820	8.51 (27.9)
0.0 m (0.0 ft)	kg lb			*19530 *43060	12960 28570	13340 29410	8550 18850	9540 21030	6290 13870	8290 18280	5520 12170	8.27 (27.1)
-1.5 m (-4.9 ft)	kg lb	*13440 *29630	*13440 *29630	*18810 *41470	12990 28640	13280 29280	8500 18740	9530 21010	6280 13850	9150 20170	6050 13340	7.72 (25.3)
-3.0 m (-9.8 ft)	kg lb	*22630 *49890	*22630 *49890	*16940 *37350	13180 29060	*12800 *28220	8620 19000			*10800 *23810	7300 16090	6.81 (22.3)
-4.5 m (-14.8 ft)	kg lb			*12980 *28620	*12980 *28620					*10630 *23440	*10630 *23440	5.31 (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.

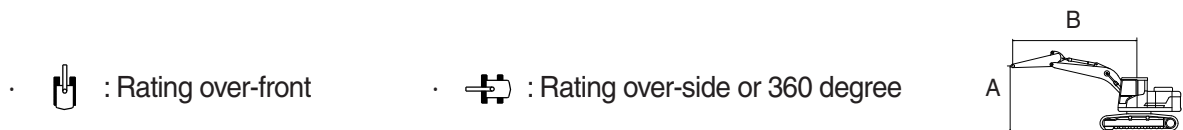
Lifting capacities will vary with different work tools, ground conditions and attachments.















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

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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX330A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX350A L		6150	3200	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
7.5 m (24.6 ft)	kg lb													*5600 *12350	*5600 *12350	7.36 (24.2)
6.0 m (19.7 ft)	kg lb									*8150 *17970	7090 15630			*5380 *11860	*5380 *11860	8.28 (27.2)
4.5 m (14.8 ft)	kg lb							*9700 *21380	*9700 *21380	*8710 *19200	6920 15260			*5390 *11880	5270 11620	8.85 (29.0)
3.0 m (9.8 ft)	kg lb					*15240 *33600	14270 31460	*11390 *25110	9300 20500	*9570 *21100	6670 14700	*6760 *14900	5030 11090	*5590 *12320	4910 10820	9.14 (30.0)
1.5 m (4.9 ft)	kg lb					*18100 *39900	13390 29520	*12950 *28550	8850 19510	9710 21410	6440 14200	7370 16250	4930 10870	*6000 *13230	4800 10580	9.16 (30.1)
0.0 m (0.0 ft)	kg lb					*19360 *42680	12980 28620	13360 29450	8560 18870	9520 20990	6270 13820			*6690 *14750	4900 10800	8.94 (29.3)
-1.5 m (-4.9 ft)	kg lb	*8600 *18960	*8600 *18960	*12710 *28020	*12710 *28020	*19280 *42510	12890 28420	13220 29150	8430 18580	9430 20790	6190 13650			*7900 *17420	5290 11660	8.44 (27.7)
-3.0 m (-9.8 ft)	kg lb	*14300 *31530	*14300 *31530	*19900 *43870	*19900 *43870	*18050 *39790	12990 28640	13260 29230	8470 18670	9510 20970	6260 13800			9320 20550	6150 13560	7.61 (25.0)
-4.5 m (-14.8 ft)	kg lb			*20930 *46140	*20930 *46140	*15230 *33580	13310 29340	*11130 *24540	8720 19220					*10240 *22580	8140 17950	6.32 (20.7)

Note 1. Lifting capacity are based on ISO 10567.

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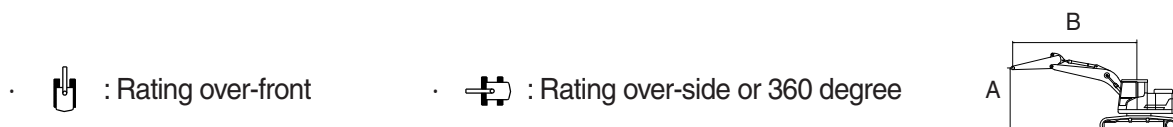
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX330A L HX350A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6450	2200	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*9310 *20530	*9310 *20530			*9450 *20830	8310 18320	6.71 (22.0)
6.0 m (19.7 ft)	kg lb					*9810 *21630	*9810 *21630	*9220 *20330	6890 15190	*9260 *20410	6570 14480	7.71 (25.3)
4.5 m (14.8 ft)	kg lb					*11100 *24470	9430 20790	*9600 *21160	6750 14880	8490 18720	5720 12610	8.32 (27.3)
3.0 m (9.8 ft)	kg lb					*12630 *27840	8960 19750	9800 21610	6530 14400	7920 17460	5320 11730	8.62 (28.3)
1.5 m (4.9 ft)	kg lb					13410 29560	8610 18980	9590 21140	6340 13980	7790 17170	5200 11460	8.65 (28.4)
0.0 m (0.0 ft)	kg lb					13220 29150	8440 18610	9470 20880	6230 13730	8060 17770	5360 11820	8.41 (27.6)
-1.5 m (-4.9 ft)	kg lb			*18160 *40040	12940 28530	13210 29120	8430 18580	9480 20900	6240 13760	8870 19550	5880 12960	7.88 (25.8)
-3.0 m (-9.8 ft)	kg lb	*20450 *45080	*20450 *45080	*16230 *35780	13150 28990	*12520 *27600	8580 18920			*10140 *22350	7040 15520	6.98 (22.9)
-4.5 m (-14.8 ft)	kg lb			*12390 *27320	*12390 *27320					*9560 *21080	*9560 *21080	5.54 (18.2)

Note 1. Lifting capacity are based on ISO 10567.

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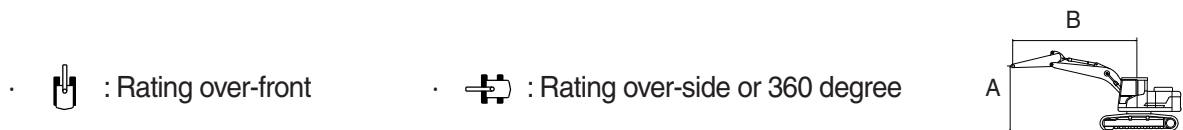
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX330A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX350A L		6450	2500	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*8850 *19510	7950 17530	6.93 (22.7)
6.0 m (19.7 ft)	kg lb					*9350 *20610	*9350 *20610	*8770 *19330	6930 15280	*8770 *19330	6340 13980	7.90 (25.9)
4.5 m (14.8 ft)	kg lb			*13780 *30380	*13780 *30380	*10670 *23520	9470 20880	*9260 *20410	6750 14880	8220 18120	5540 12210	8.49 (27.9)
3.0 m (9.8 ft)	kg lb					*12240 *26980	8970 19780	9790 21580	6520 14370	7670 16910	5140 11330	8.79 (28.8)
1.5 m (4.9 ft)	kg lb					13390 29520	8580 18920	9560 21080	6300 13890	7530 16600	5010 11050	8.82 (28.9)
0.0 m (0.0 ft)	kg lb			*15210 *33530	12720 28040	13150 28990	8380 18470	9410 20750	6170 13600	7760 17110	5150 11350	8.58 (28.2)
-1.5 m (-4.9 ft)	kg lb			*18440 *40650	12780 28180	13110 28900	8340 18390	9390 20700	6150 13560	8490 18720	5610 12370	8.06 (26.4)
-3.0 m (-9.8 ft)	kg lb	*21480 *47360	*21480 *47360	*16720 *36860	12980 28620	*12820 *28260	8450 18630			10130 22330	6650 14660	7.19 (23.6)
-4.5 m (-14.8 ft)	kg lb			*13360 *29450	*13360 *29450					*10080 *22220	9250 20390	5.80 (19.0)

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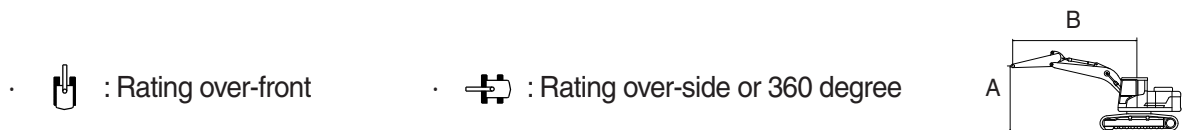
Lifting capacities will vary with different work tools, ground conditions and attachments.















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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX330A L HX350A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6450	4050	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
9.0 m (29.5 ft)	kg lb									*4720 *10410	*4720 *10410			*4530 *9990	*4530 *9990	7.55 (24.8)
7.5 m (24.6 ft)	kg lb													*4200 *9260	*4200 *9260	8.72 (28.6)
6.0 m (19.7 ft)	kg lb									*6840 *15080	*6840 *15080	*5820 *12830	5240 11550	*4070 *8970	*4070 *8970	9.50 (31.2)
4.5 m (14.8 ft)	kg lb									*7580 *16710	6940 15300	*7160 *15790	5140 11330	*4080 *8990	*4080 *8990	10.00 (32.8)
3.0 m (9.8 ft)	kg lb					*13380 *29500	*13380 *29500	*10160 *22400	9310 20530	*8570 *18890	6630 14620	7440 16400	4980 10980	*4210 *9280	4000 8820	10.25 (33.6)
1.5 m (4.9 ft)	kg lb					*16630 *36660	13330 29390	*11910 *26260	8760 19310	*9580 *21120	6330 13960	7260 16010	4810 10600	*4460 *9830	3900 8600	10.28 (33.7)
0.0 m (0.0 ft)	kg lb			*6360 *14020	*6360 *14020	*18490 *40760	12700 28000	13170 29030	8360 18430	9340 20590	6090 13430	7120 15700	4680 10320	*4880 *10760	3960 8730	10.08 (33.1)
-1.5 m (-4.9 ft)	kg lb	*6460 *14240	*6460 *14240	*9880 *21780	*9880 *21780	*19020 *41930	12460 27470	12920 28480	8140 17950	9180 20240	5940 13100	7040 15520	4600 10140	*5570 *12280	4190 9240	9.64 (31.6)
-3.0 m (-9.8 ft)	kg lb	*10380 *22880	*10380 *22880	*14460 *31880	*14460 *31880	*18480 *40740	12470 27490	12870 28370	8100 17860	9150 20170	5910 13030			*6730 *14840	4690 10340	8.92 (29.3)
-4.5 m (-14.8 ft)	kg lb	*15030 *33140	*15030 *33140	*20820 *45900	*20820 *45900	*16810 *37060	12670 27930	*12610 *27800	8210 18100	9280 20460	6030 13290			8700 19180	5690 12540	7.86 (25.8)
-6.0 m (-19.7 ft)	kg lb			*18520 *40830	*18520 *40830	*13360 *29450	13110 28900	*9600 *21160	8570 18890					*8930 *19690	8100 17860	6.26 (20.5)

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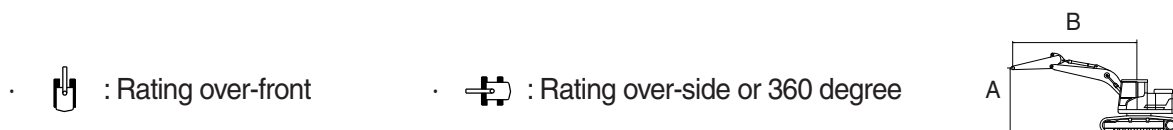
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX330A NL	MONO	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX350A NL	BOOM	6150	2200	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg					*9770	8680			*9930	7940	6.32
	lb					*21540	19140			*21890	17500	(20.7)
6.0 m (19.7 ft)	kg					*9990	8570			*9710	6140	7.37
	lb					*22020	18890			*21410	13540	(24.2)
4.5 m (14.8 ft)	kg					*11170	8210	*9870	5870	9040	5290	8.00
	lb					*24630	18100	*21760	12940	19930	11660	(26.3)
3.0 m (9.8 ft)	kg					*12680	7790	9840	5690	8390	4880	8.31
	lb					*27950	17170	21690	12540	18500	10760	(27.3)
1.5 m (4.9 ft)	kg					13520	7460	9650	5520	8250	4760	8.34
	lb					29810	16450	21270	12170	18190	10490	(27.4)
0.0 m (0.0 ft)	kg					13310	7290	9540	5420	8560	4920	8.09
	lb					29340	16070	21030	11950	18870	10850	(26.6)
-1.5 m (-4.9 ft)	kg			*18550	10950	13300	7280	9580	5460	9520	5430	7.54
	lb			*40900	24140	29320	16050	21120	12040	20990	11970	(24.7)
-3.0 m (-9.8 ft)	kg	*21280	*21280	*16410	11160	*12380	7440			*10710	6620	6.59
	lb	*46910	*46910	*36180	24600	*27290	16400			*23610	14590	(21.6)
-4.5 m (-14.8 ft)	kg											
	lb											

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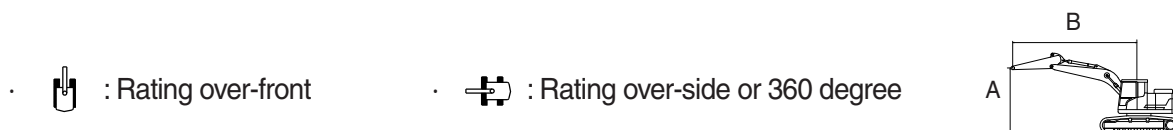
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX330A NL	MONO	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX350A NL	BOOM	6150	2500	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*9120 *20110	8760 19310			*9270 *20440	7580 16710	6.53 (21.4)
6.0 m (19.7 ft)	kg lb					*9490 *20920	8610 18980	*9160 *20190	5990 13210	*9000 *19840	5920 13050	7.56 (24.8)
4.5 m (14.8 ft)	kg lb			*13450 *29650	12640 27870	*10720 *23630	8240 18170	*9490 *20920	5880 12960	8740 19270	5110 11270	8.17 (26.8)
3.0 m (9.8 ft)	kg lb					*12280 *27070	7800 17200	9830 21670	5670 12500	8130 17920	4710 10380	8.48 (27.8)
1.5 m (4.9 ft)	kg lb					13500 29760	7440 16400	9610 21190	5480 12080	7970 17570	4580 10100	8.51 (27.9)
0.0 m (0.0 ft)	kg lb			*19520 *43030	10790 23790	13260 29230	7230 15940	9480 20900	5360 11820	8250 18190	4710 10380	8.27 (27.1)
-1.5 m (-4.9 ft)	kg lb	*13500 *29760	*13500 *29760	*18800 *41450	10810 23830	13200 29100	7190 15850	9470 20880	5350 11790	9100 20060	5170 11400	7.72 (25.3)
-3.0 m (-9.8 ft)	kg lb	*22610 *49850	21470 47330	*16930 *37320	11000 24250	*12790 *28200	7310 16120			*10800 *23810	6220 13710	6.80 (22.3)
-4.5 m (-14.8 ft)	kg lb			*12950 *28550	11420 25180					*10620 *23410	9070 20000	5.30 (17.4)

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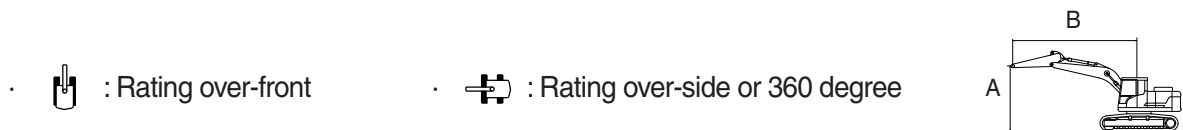
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


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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX330A NL HX350A NL	MONO BOOM	6150	3200	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
7.5 m (24.6 ft)	kg lb													*5600 *12350	*5600 *12350	7.37 (24.2)
6.0 m (19.7 ft)	kg lb									*8150 *17970	6130 13510			*5380 *11860	5150 11350	8.29 (27.2)
4.5 m (14.8 ft)	kg lb							*9700 *21380	8420 18560	*8720 *19220	5960 13140			*5390 *11880	4530 9990	8.85 (29.0)
3.0 m (9.8 ft)	kg lb					*15260 *33640	12010 26480	*11390 *25110	7950 17530	*9570 *21100	5730 12630	*6770 *14930	4310 9500	*5590 *12320	4200 9260	9.14 (30.0)
1.5 m (4.9 ft)	kg lb					*18110 *39930	11190 24670	*12960 *28570	7520 16580	9650 21270	5500 12130	7320 16140	4210 9280	*6000 *13230	4090 9020	9.16 (30.1)
0.0 m (0.0 ft)	kg lb					*19360 *42680	10800 23810	13280 29280	7240 15960	9460 20860	5330 11750			*6700 *14770	4180 9220	8.94 (29.3)
-1.5 m (-4.9 ft)	kg lb	*8630 *19030	*8630 *19030	*12740 *28090	*12740 *28090	*19280 *42510	10710 23610	13140 28970	7120 15700	9380 20680	5260 11600			*7900 *17420	4510 9940	8.44 (27.7)
-3.0 m (-9.8 ft)	kg lb	*14330 *31590	*14330 *31590	*19940 *43960	*19940 *43960	*18040 *39770	10820 23850	13180 29060	7160 15790	9450 20830	5330 11750			9270 20440	5240 11550	7.61 (25.0)
-4.5 m (-14.8 ft)	kg lb			*20900 *46080	*20900 *46080	*15210 *33530	11110 24490	*11110 *24490	7400 16310					*10240 *22580	6940 15300	6.31 (20.7)

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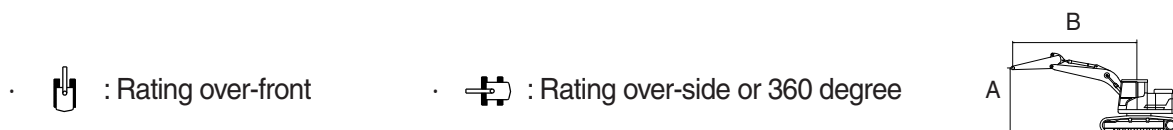
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The difference between the weight of a work tool attachment must be subtracted.

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▲ 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	
HX330A NL	MONO	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX350A NL	BOOM	6450	2200	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg					*9310	8690			*9450	7160	6.72
	lb					*20530	19160			*20830	15790	(22.0)
6.0 m (19.7 ft)	kg					*9820	8490	*9220	5940	*9260	5660	7.71
	lb					*21650	18720	*20330	13100	*20410	12480	(25.3)
4.5 m (14.8 ft)	kg					*11110	8080	*9610	5800	8440	4910	8.32
	lb					*24490	17810	*21190	12790	18610	10820	(27.3)
3.0 m (9.8 ft)	kg					*12640	7630	9740	5590	7870	4550	8.62
	lb					*27870	16820	21470	12320	17350	10030	(28.3)
1.5 m (4.9 ft)	kg					13330	7290	9530	5410	7740	4440	8.65
	lb					29390	16070	21010	11930	17060	9790	(28.4)
0.0 m (0.0 ft)	kg					13140	7130	9410	5300	8010	4570	8.41
	lb					28970	15720	20750	11680	17660	10080	(27.6)
-1.5 m (-4.9 ft)	kg			*18160	10770	13130	7130	9420	5310	8820	5010	7.87
	lb			*40040	23740	28950	15720	20770	11710	19440	11050	(25.8)
-3.0 m (-9.8 ft)	kg	*20430	*20430	*16220	10970	*12510	7270			*10140	6010	6.97
	lb	*45040	*45040	*35760	24180	*27580	16030			*22350	13250	(22.9)
-4.5 m (-14.8 ft)	kg			*12360	11400					*9550	8580	5.53
	lb			*27250	25130					*21050	18920	(18.1)

Note 1. Lifting capacity are based on ISO 10567.

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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.

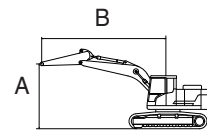
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX330A NL HX350A NL	MONO BOOM	6450	2500	6000	600	-	-	-	-	-

·  : 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)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*8850 *19510	6860 15120	6.93 (22.7)
6.0 m (19.7 ft)	kg lb					*9350 *20610	8530 18810	*8770 *19330	5970 13160	*8770 *19330	5460 12040	7.90 (25.9)
4.5 m (14.8 ft)	kg lb			*13800 *30420	12350 27230	*10670 *23520	8110 17880	*9270 *20440	5800 12790	8170 18010	4750 10470	8.49 (27.9)
3.0 m (9.8 ft)	kg lb					*12250 *27010	7640 16840	9730 21450	5570 12280	7620 16800	4390 9680	8.79 (28.8)
1.5 m (4.9 ft)	kg lb					13310 29340	7260 16010	9500 20940	5370 11840	7480 16490	4280 9440	8.82 (28.9)
0.0 m (0.0 ft)	kg lb			*15250 *33620	10560 23280	13070 28810	7070 15590	9350 20610	5240 11550	7720 17020	4380 9660	8.58 (28.2)
-1.5 m (-4.9 ft)	kg lb			*18440 *40650	10610 23390	13030 28730	7030 15500	9330 20570	5220 11510	8450 18630	4770 10520	8.06 (26.4)
-3.0 m (-9.8 ft)	kg lb	*21550 *47510	21230 46800	*16710 *36840	10800 23810	*12810 *28240	7140 15740			10090 22240	5660 12480	7.18 (23.6)
-4.5 m (-14.8 ft)	kg lb			*13340 *29410	11190 24670					*10070 *22200	7860 17330	5.79 (19.0)

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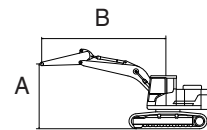
Failure to comply to the rated load can cause possible personal injury or property damage.













Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX330A NL HX350A NL	MONO BOOM	6150	3200	6000	600	-	-	-	-	-

·  : 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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
7.5 m (24.6 ft)	kg lb							*6850 *15100	6150 13560			*5610 *12370	*5610 *12370	7.75 (25.4)
6.0 m (19.7 ft)	kg lb							*7900 *17420	6090 13430			*5430 *11970	4770 10520	8.62 (28.3)
4.5 m (14.8 ft)	kg lb			*12040 *26540	*12040 *26540	*9710 *21410	8290 18280	*8550 *18850	5890 12990	*6680 *14730	4360 9610	*5450 *12020	4220 9300	9.17 (30.1)
3.0 m (9.8 ft)	kg lb			*15620 *34440	11680 25750	*11400 *25130	7790 17170	*9440 *20810	5630 12410	7380 16270	4250 9370	*5660 *12480	3930 8660	9.44 (31.0)
1.5 m (4.9 ft)	kg lb			*17420 *38400	10880 23990	*12920 *28480	7350 16200	9530 21010	5390 11880	7250 15980	4130 9110	*6060 *13360	3820 8420	9.47 (31.1)
0.0 m (0.0 ft)	kg lb			*17270 *38070	10550 23260	13090 28860	7070 15590	9330 20570	5220 11510	7150 15760	4050 8930	*6730 *14840	3900 8600	9.25 (30.3)
-1.5 m (-4.9 ft)	kg lb	*10830 *23880	*10830 *23880	*18990 *41870	10490 23130	12960 28570	6960 15340	9250 20390	5140 11330			7410 16340	4180 9220	8.77 (28.8)
-3.0 m (-9.8 ft)	kg lb	*17510 *38600	*17510 *38600	*17780 *39200	10610 23390	13010 28680	7000 15430	9300 20500	5190 11440			8550 18850	4810 10600	7.97 (26.2)
-4.5 m (-14.8 ft)	kg lb	*20690 *45610	*20690 *45610	*15260 *33640	10900 24030	*11460 *25260	7210 15900					*9660 *21300	6190 13650	6.75 (22.1)

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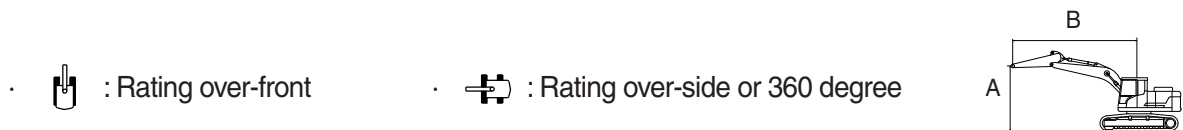
The difference between the weight of a work tool attachment must be subtracted.















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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
		Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
HX330A NL HX350A NL	MONO BOOM	6450	4050	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
9.0 m (29.5 ft)	kg lb									*4740 *10450	*4740 *10450			*4530 *9990	*4530 *9990	7.56 (24.8)
7.5 m (24.6 ft)	kg lb													*4190 *9240	*4190 *9240	8.72 (28.6)
6.0 m (19.7 ft)	kg lb									*6840 *15080	6210 13690	*5830 *12850	4510 9940	*4070 *8970	4050 8930	9.51 (31.2)
4.5 m (14.8 ft)	kg lb									*7590 *16730	5970 13160	*7160 *15790	4410 9720	*4080 *8990	3630 8000	10.00 (32.8)
3.0 m (9.8 ft)	kg lb					*13400 *29540	12150 26790	*10170 *22420	7950 17530	*8570 *18890	5680 12520	7400 16310	4250 9370	*4210 *9280	3390 7470	10.25 (33.6)
1.5 m (4.9 ft)	kg lb					*16640 *36680	11110 24490	*11920 *26280	7420 16360	9550 21050	5390 11880	7220 15920	4090 9020	*4460 *9830	3300 7280	10.28 (33.7)
0.0 m (0.0 ft)	kg lb			*6370 *14040	*6370 *14040	*18500 *40790	10520 23190	13080 28840	7040 15520	9280 20460	5150 11350	7070 15590	3960 8730	*4890 *10780	3340 7360	10.08 (33.1)
-1.5 m (-4.9 ft)	kg lb	*6480 *14290	*6480 *14290	*9910 *21850	*9910 *21850	*19020 *41930	10300 22710	12840 28310	6830 15060	9120 20110	5010 11050	6990 15410	3880 8550	*5570 *12280	3540 7800	9.64 (31.6)
-3.0 m (-9.8 ft)	kg lb	*10400 *22930	*10400 *22930	*14490 *31940	*14490 *31940	*18480 *40740	10310 22730	12790 28200	6790 14970	9090 20040	4980 10980			*6740 *14860	3960 8730	8.92 (29.3)
-4.5 m (-14.8 ft)	kg lb	*15060 *33200	*15060 *33200	*20860 *45990	20540 45280	*16800 *37040	10500 23150	*12600 *27780	6900 15210	9230 20350	5100 11240			8660 19090	4820 10630	7.85 (25.8)
-6.0 m (-19.7 ft)	kg lb			*18490 *40760	*18490 *40760	*13330 *29390	10920 24070	*9580 *21120	7240 15960					*8930 *19690	6880 15170	6.24 (20.5)

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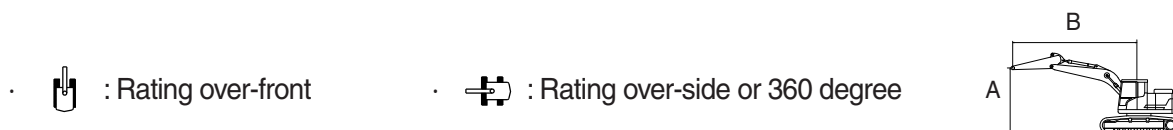
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX330A HW HX350A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6150	2200	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*9690 *21360	*9690 *21360			*9860 *21740	9720 21430	6.55 (21.5)
6.0 m (19.7 ft)	kg lb					*10160 *22400	*10160 *22400	*9690 *21360	7760 17110	*9700 *21380	7740 17060	7.51 (24.7)
4.5 m (14.8 ft)	kg lb					*11450 *25240	10700 23590	*9970 *21980	7650 16870	9410 20750	6800 14990	8.08 (26.5)
3.0 m (9.8 ft)	kg lb					*12940 *28530	10260 22620	10390 22910	7460 16450	8850 19510	6380 14070	8.34 (27.4)
1.5 m (4.9 ft)	kg lb					*14050 *30970	9940 21910	10210 22510	7290 16070	8780 19360	6310 13910	8.32 (27.3)
0.0 m (0.0 ft)	kg lb					14110 31110	9790 21580	10120 22310	7200 15870	9230 20350	6610 14570	8.02 (26.3)
-1.5 m (-4.9 ft)	kg lb			*18260 *40260	15100 33290	*13870 *30580	9800 21610			10400 22930	7410 16340	7.39 (24.3)
-3.0 m (-9.8 ft)	kg lb	*20480 *45150	*20480 *45150	*15810 *34860	15370 33890	*11780 *25970	10020 22090			*10670 *23520	9290 20480	6.36 (20.9)
-4.5 m (-14.8 ft)	kg lb											

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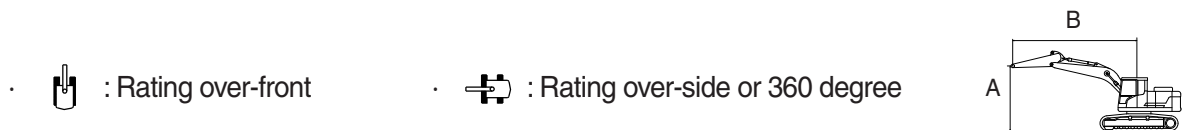
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX330A HW HX350A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6150	2500	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb					*9090 *20040	*9090 *20040			*9230 *20350	*9230 *20350	6.76 (22.2)
6.0 m (19.7 ft)	kg lb					*9670 *21320	*9670 *21320	*9160 *20190	7810 17220	*8980 *19800	7470 16470	7.70 (25.3)
4.5 m (14.8 ft)	kg lb			*14100 *31090	*14100 *31090	*11000 *24250	10730 23660	*9610 *21190	7650 16870	*9080 *20020	6580 14510	8.25 (27.1)
3.0 m (9.8 ft)	kg lb					*12560 *27690	10260 22620	*10340 *22800	7440 16400	8570 18890	6170 13600	8.51 (27.9)
1.5 m (4.9 ft)	kg lb					*13780 *30380	9900 21830	10170 22420	7250 15980	8490 18720	6090 13430	8.49 (27.8)
0.0 m (0.0 ft)	kg lb			*19470 *42920	14890 32830	14050 30970	9720 21430	10060 22180	7140 15740	8880 19580	6350 14000	8.19 (26.9)
-1.5 m (-4.9 ft)	kg lb	*15450 *34060	*15450 *34060	*18550 *40900	14950 32960	*13970 *30800	9700 21380	10080 22220	7160 15790	9940 21910	7070 15590	7.58 (24.9)
-3.0 m (-9.8 ft)	kg lb	*21840 *48150	*21840 *48150	*16400 *36160	15190 33490	*12330 *27180	9870 21760			*10830 *23880	8730 19250	6.57 (21.6)
-4.5 m (-14.8 ft)	kg lb											

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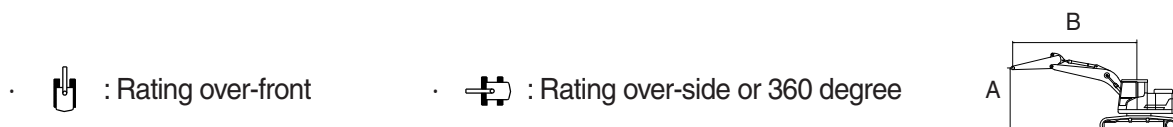
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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX330A HW HX350A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6150	3200	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
7.5 m (24.6 ft)	kg lb									*5980 *13180	*5980 *13180			*5540 *12210	*5540 *12210	7.57 (24.8)
6.0 m (19.7 ft)	kg lb									*8220 *18120	7940 17500			*5370 *11840	*5370 *11840	8.42 (27.6)
4.5 m (14.8 ft)	kg lb					*12330 *27180	*12330 *27180	*10010 *22070	*10010 *22070	*8860 *19530	7740 17060			*5420 *11950	*5420 *11950	8.93 (29.3)
3.0 m (9.8 ft)	kg lb					*15890 *35030	*15890 *35030	*11710 *25820	10410 22950	*9740 *21470	7490 16510	*7060 *15560	5680 12520	*5650 *12460	5530 12190	9.16 (30.1)
1.5 m (4.9 ft)	kg lb					*18470 *40720	15230 33580	*13200 *29100	9980 22000	10200 22490	7260 16010	*7580 *16710	5580 12300	*6100 *13450	5450 12020	9.14 (30.0)
0.0 m (0.0 ft)	kg lb			*7970 *17570	*7970 *17570	*19440 *42860	14890 32830	14050 30970	9720 21430	10020 22090	7100 15650			*6880 *15170	5630 12410	8.87 (29.1)
-1.5 m (-4.9 ft)	kg lb	*9670 *21320	*9670 *21320	*13940 *30730	*13940 *30730	*19140 *42200	14830 32690	13950 30750	9620 21210	9970 21980	7050 15540			*8220 *18120	6150 13560	8.31 (27.3)
-3.0 m (-9.8 ft)	kg lb			*21590 *47600	*21590 *47600	*17650 *38910	14980 33030	*13240 *29190	9700 21380					*10070 *22200	7280 16050	7.41 (24.3)
-4.5 m (-14.8 ft)	kg lb			*19720 *43480	*19720 *43480	*14390 *31720	14390 31720							*10230 *22550	10030 22110	5.99 (19.7)

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4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

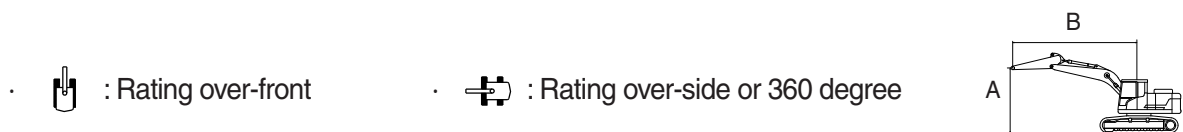
Lifting capacities will vary with different work tools, ground conditions and attachments.











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	
HX330A HW HX350A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6450	2200	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
9.0 m (29.5 ft)	kg lb									*9980 *22000	*9980 *22000	5.47 (18.0)
7.5 m (24.6 ft)	kg lb					*9310 *20530	*9310 *20530			*9390 *20700	8830 19470	6.94 (22.8)
6.0 m (19.7 ft)	kg lb					*10010 *22070	*10010 *22070	*9240 *20370	7750 17090	*9250 *20390	7170 15810	7.85 (25.8)
4.5 m (14.8 ft)	kg lb					*11400 *25130	10550 23260	*9730 *21450	7580 16710	8800 19400	6360 14020	8.40 (27.6)
3.0 m (9.8 ft)	kg lb					*12900 *28440	10080 22220	10290 22690	7350 16200	8310 18320	5980 13180	8.65 (28.4)
1.5 m (4.9 ft)	kg lb					*13940 *30730	9760 21520	10090 22240	7170 15810	8250 18190	5920 13050	8.63 (28.3)
0.0 m (0.0 ft)	kg lb					13940 30730	9620 21210	9990 22020	7080 15610	8630 19030	6170 13600	8.33 (27.3)
-1.5 m (-4.9 ft)	kg lb			*17880 *39420	14910 32870	*13740 *30290	9640 21250	10040 22130	7120 15700	9630 21230	6860 15120	7.74 (25.4)
-3.0 m (-9.8 ft)	kg lb	*19800 *43650	*19800 *43650	*15700 *34610	15160 33420	*12050 *26570	9830 21670			*10110 *22290	8400 18520	6.75 (22.2)

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.

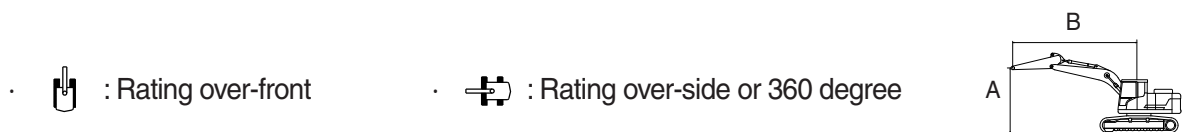
Lifting capacities will vary with different work tools, ground conditions and attachments.











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	
HX330A HW HX350A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6450	2500	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m (24.6 ft)	kg lb									*8820 *19440	8470 18670	7.15 (23.4)
6.0 m (19.7 ft)	kg lb					*9560 *21080	*9560 *21080	*8820 *19440	7770 17130	*8770 *19330	6930 15280	8.04 (26.4)
4.5 m (14.8 ft)	kg lb			*14480 *31920	*14480 *31920	*10970 *24180	10590 23350	*9400 *20720	7570 16690	8530 18810	6150 13560	8.57 (28.1)
3.0 m (9.8 ft)	kg lb					*12530 *27620	10090 22240	*10170 *22420	7330 16160	8050 17750	5780 12740	8.81 (28.9)
1.5 m (4.9 ft)	kg lb					*13690 *30180	9730 21450	10050 22160	7130 15720	7970 17570	5710 12590	8.79 (28.8)
0.0 m (0.0 ft)	kg lb			*16690 *36800	14660 32320	13860 30560	9550 21050	9930 21890	7020 15480	8310 18320	5930 13070	8.51 (27.9)
-1.5 m (-4.9 ft)	kg lb	*12640 *27870	*12640 *27870	*18190 *40100	14740 32500	*13820 *30470	9540 21030	9930 21890	7020 15480	9210 20300	6540 14420	7.92 (26.0)
-3.0 m (-9.8 ft)	kg lb	*21170 *46670	*21170 *46670	*16240 *35800	14980 33030	*12440 *27430	9690 21360			*10220 *22530	7920 17460	6.97 (22.9)
-4.5 m (-14.8 ft)	kg lb			*12360 *27250	*12360 *27250					*9930 *21890	*9930 *21890	5.44 (17.9)

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.

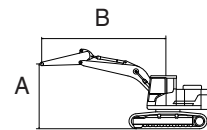
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.













▲ 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	
HX330A HW HX350A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6450	3200	6000	600	-	-	-	-	-

·  : 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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb											*6000 *13230	*6000 *13230	6.70 (22.0)
7.5 m (24.6 ft)	kg lb							*7510 *16560	*7510 *16560			*5560 *12260	*5560 *12260	7.94 (26.1)
6.0 m (19.7 ft)	kg lb							*7990 *17610	7890 17390			*5420 *11950	*5420 *11950	8.75 (28.7)
4.5 m (14.8 ft)	kg lb			*12700 *28000	*12700 *28000	*10010 *22070	*10010 *22070	*8710 *19200	7660 16890	*7170 *15810	5750 12680	*5480 *12080	*5480 *12080	9.24 (30.3)
3.0 m (9.8 ft)	kg lb			*16230 *35780	15690 34590	*11720 *25840	10240 22580	*9600 *21160	7390 16290	7820 17240	5620 12390	*5710 *12590	5200 11460	9.47 (31.1)
1.5 m (4.9 ft)	kg lb			*16720 *36860	14910 32870	*13140 *28970	9810 21630	10080 22220	7150 15760	7690 16950	5500 12130	*6160 *13580	5120 11290	9.45 (31.0)
0.0 m (0.0 ft)	kg lb			*17930 *39530	14620 32230	13870 30580	9550 21050	9900 21830	6980 15390	7610 16780	5430 11970	*6900 *15210	5280 11640	9.18 (30.1)
-1.5 m (-4.9 ft)	kg lb	*11980 *26410	*11980 *26410	*18840 *41540	14600 32190	13770 30360	9460 20860	9840 21690	6920 15260			8050 17750	5730 12630	8.65 (28.4)
-3.0 m (-9.8 ft)	kg lb	*18980 *41840	*18980 *41840	*17420 *38400	14760 32540	*13180 *29060	9530 21010	9930 21890	7010 15450			9440 20810	6690 14750	7.78 (25.5)
-4.5 m (-14.8 ft)	kg lb	*19660 *43340	*19660 *43340	*14570 *32120	*14570 *32120	*10820 *23850	9810 21630					*9650 *21270	8880 19580	6.46 (21.2)

Note 1. Lifting capacity are based on ISO 10567.

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4. \*Indicates load limited by hydraulic capacity.

※ Lifting capacities are based upon a standard machine conditions.

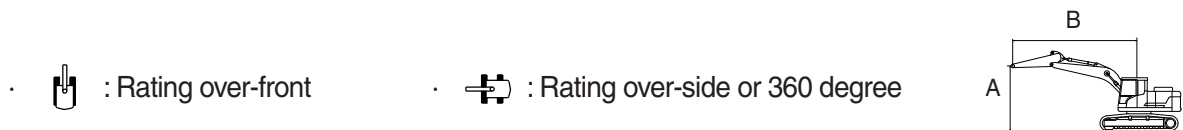
Lifting capacities will vary with different work tools, ground conditions and attachments.















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	
HX330A HW HX350A HW	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6450	4050	6000	600	-	-	-	-	-



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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
9.0 m (29.5 ft)	kg lb									*5410 *11930	*5410 *11930			*4440 *9790	*4440 *9790	7.81 (25.6)
7.5 m (24.6 ft)	kg lb													*4160 *9170	*4160 *9170	8.89 (29.2)
6.0 m (19.7 ft)	kg lb									*6950 *15320	*6950 *15320	*6120 *13490	5900 13010	*4060 *8950	*4060 *8950	9.62 (31.6)
4.5 m (14.8 ft)	kg lb							*8690 *19160	*8690 *19160	*7760 *17110	7750 17090	*7250 *15980	5780 12740	*4090 *9020	*4090 *9020	10.07 (33.0)
3.0 m (9.8 ft)	kg lb					*14080 *31040	*14080 *31040	*10510 *23170	10410 22950	*8770 *19330	7440 16400	*7790 *17170	5620 12390	*4240 *9350	*4240 *9350	10.27 (33.7)
1.5 m (4.9 ft)	kg lb					*17100 *37700	15120 33330	*12200 *26900	9870 21760	*9750 *21500	7140 15740	7650 16870	5450 12020	*4530 *9990	4460 9830	10.26 (33.7)
0.0 m (0.0 ft)	kg lb			*6960 *15340	*6960 *15340	*18690 *41200	14570 32120	*13380 *29500	9500 20940	9840 21690	6910 15230	7510 16560	5330 11750	*4990 *11000	4570 10080	10.01 (32.9)
-1.5 m (-4.9 ft)	kg lb	*7190 *15850	*7190 *15850	*10670 *23520	*10670 *23520	*19000 *41890	14380 31700	13630 30050	9320 20550	9700 21380	6790 14970	7450 16420	5270 11620	*5740 *12650	4880 10760	9.52 (31.2)
-3.0 m (-9.8 ft)	kg lb	*11190 *24670	*11190 *24670	*15500 *34170	*15500 *34170	*18260 *40260	14430 31810	*13580 *29940	9300 20500	9690 21360	6780 14950			*7050 *15540	5520 12170	8.75 (28.7)
-4.5 m (-14.8 ft)	kg lb	*16080 *35450	*16080 *35450	*22400 *49380	*22400 *49380	*16330 *36000	14680 32360	*12240 *26980	9450 20830	*9100 *20060	6950 15320			*8870 *19550	6830 15060	7.60 (24.9)
-6.0 m (-19.7 ft)	kg lb					*12330 *27180	*12330 *27180							*8880 *19580	*8880 *19580	5.85 (19.2)

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) BUCKET SELECTION



General bucket



Heavy duty  
(without side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO							
	SAE Heaped	CECE heaped				Recommendation				mm (ft-in)			
						6.15 m (20' 2") Boom			6.45 m (21' 2") Boom				
						m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA	2.2 m (7' 3") Arm	2.5 m (8' 2") Arm	3.2 m (10' 6") Arm
General bucket	1.44 (1.88)	1.25 (1.63)	1,380 (54.3")	1,110 (2,450)	5	●	●	●	●	●	●	●	
	1.74 (2.28)	1.50 (1.96)	1,620 (63.8")	1,230 (2,710)	6	●	●	◐	●	●	◐	■	
	2.10 (2.75)	1.83 (2.39)	1,910 (75.2")	1,370 (3,020)	6	◐	◐	■	◐	■	■	▲	
Heavy duty	1.44 (1.88)	1.25 (1.63)	1,470 (57.9")	1,380 (3,040)	5	●	●	●	●	●	●	◐	
Rock heavy duty	1.44 (1.88)	1.25 (1.63)	1,470 (57.9")	1,470 (3,240)	5	●	●	●	●	●	●	■	
	1.60 (2.09)	1.39 (1.82)	1,585 (62.4")	1,650 (3,640)	5	●	●	◐	●	●	◐	■	
	1.73 (2.26)	1.50 (1.96)	1,710 (67.3")	1,650 (3,640)	5	●	●	◐	◐	◐	■	▲	
	1.83 (2.39)	1.59 (2.08)	1,765 (69.5")	1,845 (4,070)	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 with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.



## 7. UNDERCARRIAGE

### 1) TYPES OF SHOES

Model	Description	Unit		Triple grouser								Double grouser	
	width	mm	(in)	600	(24)	700	(28)	800	(32)	900	(36)	700	(28)
HX330A L HX350A L	Operating weight	kg	(lb)	33680	74096	34260	75372	34650	76230	35040	77088	-	-
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	0.62	9.22	0.57	8.04	0.5	7.11	0.45	6.39	-	-
	Link quantity	EA		48		48		48		48		-	
HX330A NL HX350A NL	Operating weight	kg	(lb)	33460	73612	-	-	-	-	-	-	-	-
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	0.64	9.16	-	-	-	-	-	-	-	-
	Link quantity	EA		48		-		-		-		-	
HX330A HW HX350A HW	Operating weight	kg	(lb)	-	-	-	-	-	-	-	-	37100	81620
	Ground pressure	kgf/cm <sup>2</sup>	(psi)	-	-	-	-	-	-	-	-	0.61	8.69
	Link quantity	EA		-		-		-		-		48	

### 2) SELECTION OF TRACK SHOE

Suitable track shoes should be selected according to operating conditions.

#### Method of selecting shoes

Confirm the category from the list of applications in **table 2**, then use **table 1** to select the shoe. Wide shoes (categories B and C) have limitations on applications. Before using wide shoes, check the precautions, then investigate and study the operating conditions to confirm if these shoes are suitable.

Select the narrowest shoe possible to meet the required flotation and ground pressure. Application of wider shoes than recommendations will cause unexpected problem such as bending of shoes, crack of link, breakage of pin, loosening of shoe bolts and the other various problems.

**Table 1**

Track shoe	Specification	Category
600 mm triple grouser	Standard	A
700 mm triple grouser	Option	B
700 mm double grouser	Option	B
800 mm triple grouser	Option	C
900 mm triple grouser	Option	C



**Table 2**

Category	Applications	Precautions
A	Rocky ground, river beds, normal soil	<ul style="list-style-type: none"><li>· Travel at low speed on rough ground with large obstacles such as boulders or fallen trees or a wide range of general civil engineering work</li></ul>
B	Normal soil, soft ground	<ul style="list-style-type: none"><li>· These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees</li><li>· Travel at high speed only on flat ground</li><li>· Travel slowly at low speed if it is impossible to avoid going over obstacles</li></ul>
C	Extremely soft ground (swampy ground)	<ul style="list-style-type: none"><li>· Use the shoes only in the conditions that the machine sinks and it is impossible to use the shoes of category A or B</li><li>· These shoes cannot be used on rough ground with large obstacles such as boulders or fallen trees</li><li>· Travel at high speed only on flat ground</li><li>· Travel slowly at low speed if it is impossible to avoid going over obstacles</li></ul>

## 8. SPECIFICATIONS FOR MAJOR COMPONENTS

### 1) ENGINE

Item	Specification
Maker / Model	Cummins / L9
Type	4-cycle, turbocharged, charge air cooled, electronic controlled diesel engine
Cooling method	Water cooled
Number of cylinders and arrangement	6 cylinders, in-line
Firing order	1-5-3-6-2-4
Combustion chamber type	Direct injection type
Cylinder bore × stroke	114 × 145 mm (4.49" × 5.69")
Displacement	8.900 ℓ (543 cu in)
Compression ratio	16.72 : 1
Gross power	310 Hp (231 kW) at 2100 rpm
Net power	304 Hp (227 kW) at 2100 rpm
Max. power	325 Hp (242 kW) at 1800 rpm
Peak Torque	1526 N·m (1126 lbf·ft) at 1400 rpm
Engine oil quantity	30 ℓ (7.9 U.S. gal)
Wet weight	778 kg (1715 lb)
Starter motor	24 V-7.8 kW
Alternator	24 V-95 A

### 2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 175 cc/rev
Rated oil flow	2 × 306.6 ℓ /min (80.9 U.S. gpm/67.4 U.K. gpm)
Rated speed	1750 rpm

[    ] : Power boost

### 3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	15 cc/rev
Maximum pressure	40 kgf/cm <sup>2</sup> (570 psi)
Rated oil flow	26.3 ℓ /min (6.9 U.S. gpm/5.8 U.K. gpm)

### 4) MAIN CONTROL VALVE

Item		Specification
Type		10 spools
Operating method		Hydraulic pilot system
Main relief valve pressure		350 kgf/cm <sup>2</sup> (4980 psi) [380 kgf/cm <sup>2</sup> (5400 psi)]
Port relief valve pressure	Boom	400 kgf/cm <sup>2</sup> (5690 psi)
	Arm	400 kgf/cm <sup>2</sup> (5690 psi)
	Bucket	400 kgf/cm <sup>2</sup> (5690 psi)

[ ] : Power boost

### 5) SWING MOTOR

Item	Specification
Type	Axial piston motor
Capacity	156.9 cc/rev
Relief pressure	300 kgf/cm <sup>2</sup> (4270 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	84.4 kgf · m (610 lbf · ft) over
Brake release pressure	36.5 kgf/cm <sup>2</sup> (519 psi) below
Reduction gear type	2 - stage planetary

### 6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement axial piston motor
Capacity	282.6/156.9 cc/rev
Relief pressure	350 kgf/cm <sup>2</sup> (4980 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	134 kgf · m (969 lbf · ft)
Brake release pressure	13.2~17.0 kgf/cm <sup>2</sup> (188~242 psi)
Reduction gear type	2-stage planetary

## 7) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Stroke	Ø 150 × 1480 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Stroke	Ø 160 × 1685 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Stroke	Ø 140 × 1285 mm
	Cushion	Extend only

- ※ 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.

## 9. 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	30 (7.9)	★SAE 0W-40, 0W-30									
				SAE 5W30, 5W40								
				SAE 10W-30								
				SAE 15W-40								
DEF/ AdBlue® tank	Mixture of urea and deionized water	70 (18.5)	ISO 22241, High-purity urea + deionized water (32.5:67.5)									
Swing drive	Gear oil	11 (2.9)	★SAE 75W-90									
Final drive		7.8×2 (2.1×2)		SAE 80W-90								
Hydraulic tank	Hydraulic oil	Tank : 210 (55.5)	★ISO VG 15									
				ISO VG 32								
		System : 414 (109)		ISO VG 46, HBHO VG 46★ <sup>3</sup>								
				ISO VG 68								
Fuel tank	Diesel fuel★ <sup>1</sup>	600 (159)	★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>	55 (14.5)	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 ≤ 15 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 dealer.