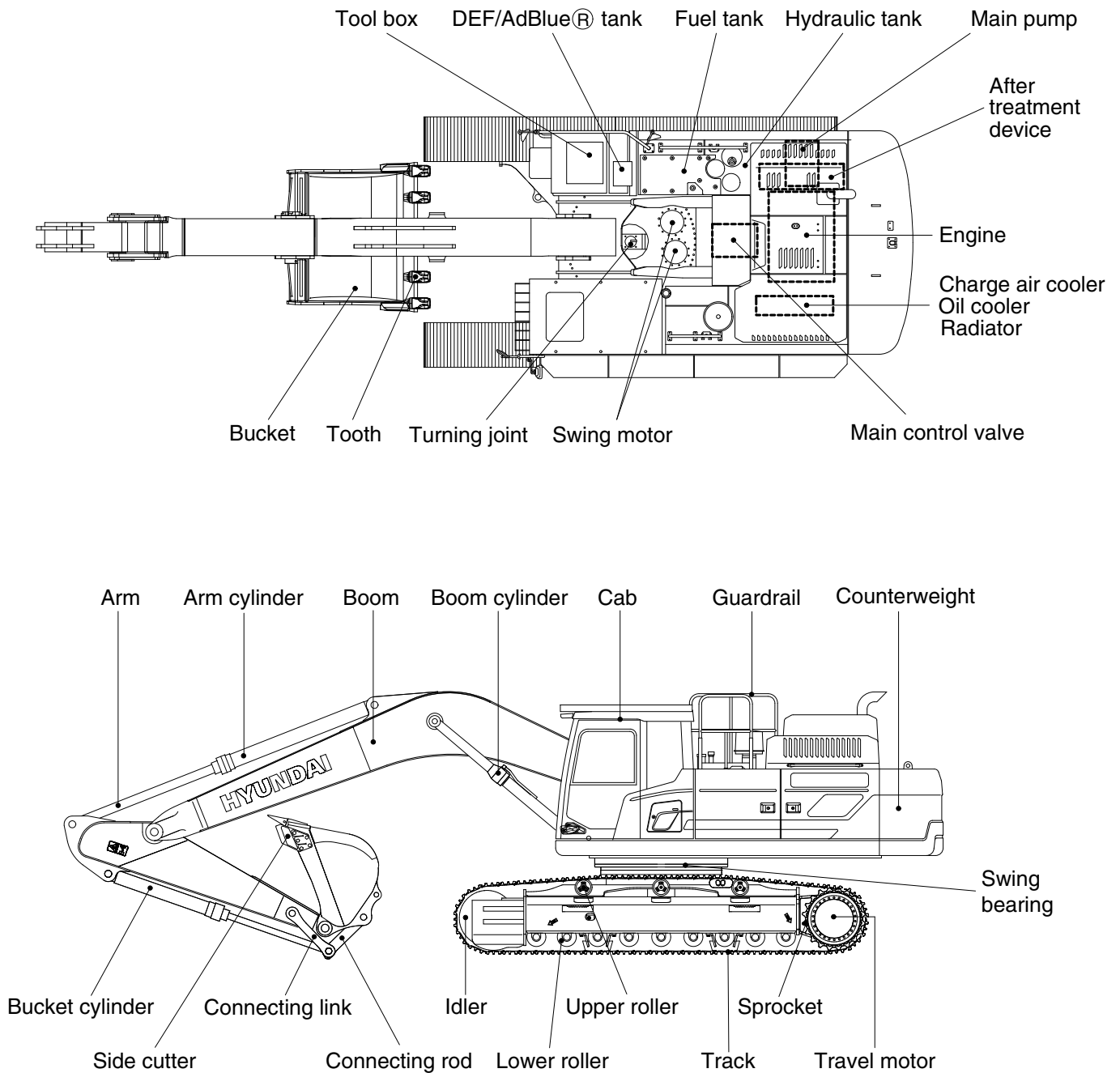


SPECIFICATIONS

(Machine serial No. HX480A L : -#0005, HX520A L : -#0024)

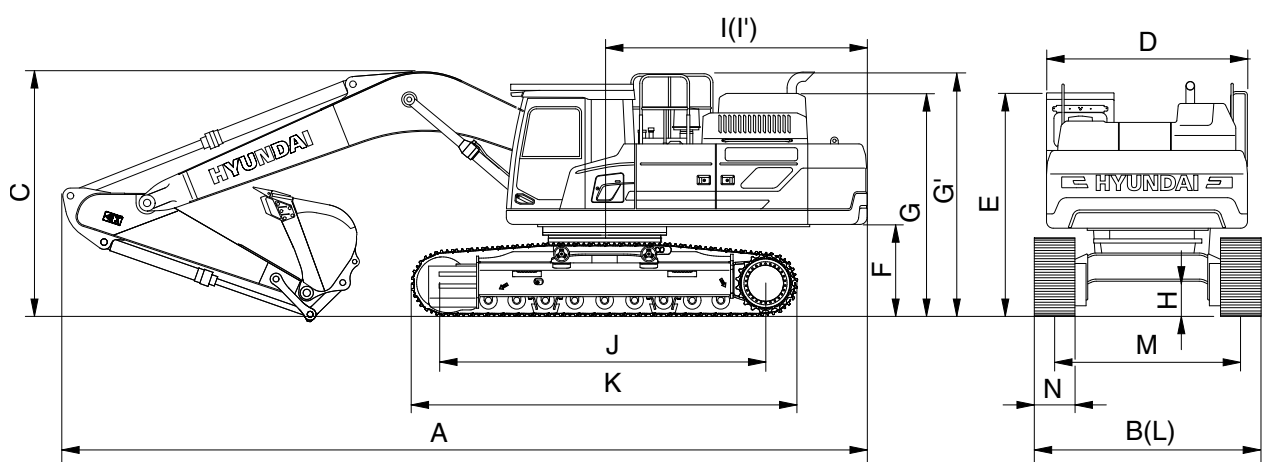
1. MAJOR COMPONENT



480A2SP01A

2. SPECIFICATIONS

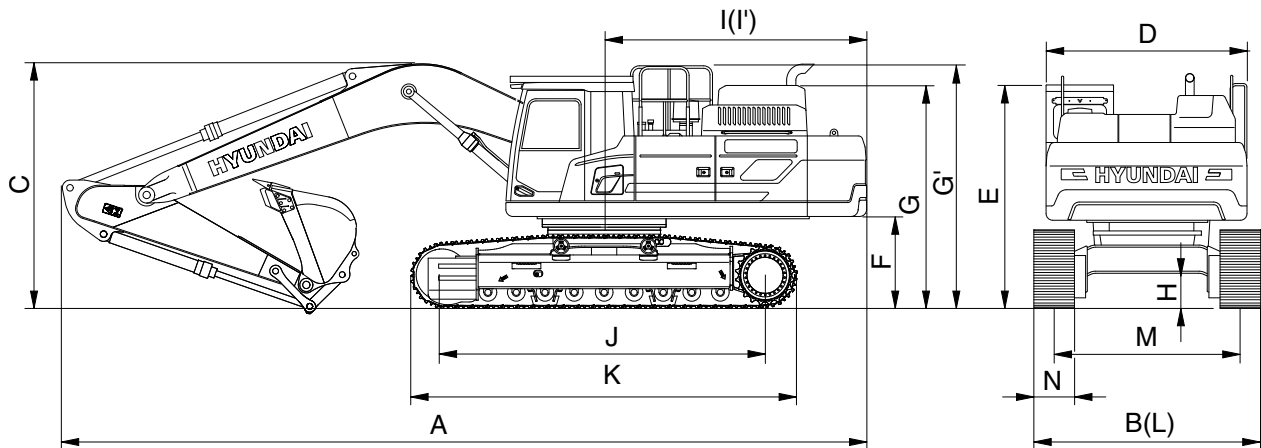
1) HX480A L (1/4)



480A2SP02

Description		Unit		Specification	
		m (ft-in)	Boom	7.06 (23' 2")	
			Arm	3.38 (11' 1")	
		mm (in)	Shoe	600 (24)	800 (32)
Operating weight		kg (lb)		49997 (110220)	51083 (112620)
Bucket capacity (SAE heaped), standard		m³ (yd³)		2.20 (2.88)	2.20 (2.88)
Overall length	A	mm (ft-in)	12040 (39' 6")		12040 (39' 6")
Overall width	B		3340 (10' 11")		3540 (11' 7")
Overall height of boom	C		3790 (12' 5")		3790 (12' 5")
Superstructure width	D		2980 (9' 9")		2980 (9' 9")
Overall height of cab	E		3220 (10' 7")		3220 (10' 7")
Ground clearance of counterweight	F		1300 (4' 3")		1300 (4' 3")
Overall height of engine hood	G		3016 (9' 11")		3016 (9' 11")
Overall height of guardrail	G'		3450 (11' 4")		3450 (11' 4")
Minimum ground clearance	H		565 (1' 10")		565 (1' 10")
Rear-end distance	I		3745 (12' 3")		3745 (12' 3")
Rear-end swing radius	I'		3800 (12' 6")		3800 (12' 6")
Distance between tumblers	J		4470 (14' 8")		4470 (14' 8")
Undercarriage length (without grouser)	K		5416 (17' 9")		5416 (17' 9")
Undercarriage length (with grouser)			5490 (18' 0")		5490 (18' 0")
Undercarriage width	L		3340 (10' 11")		3340 (10' 11")
Track gauge	M		2740 (9' 0")		2740 (9' 0")
Track shoe width, standard	N		600 (24")		800 (32")
Travel speed (low/high)		km/hr (mph)		3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)
Swing speed		rpm		8.6	8.6
Gradeability		Degree (%)		35 (70)	35 (70)
Ground pressure		kgf/cm² (psi)		0.86 (12.2)	0.86 (12.2)
Max traction force		kg (lb)		34100 (75180)	34100 (75180)

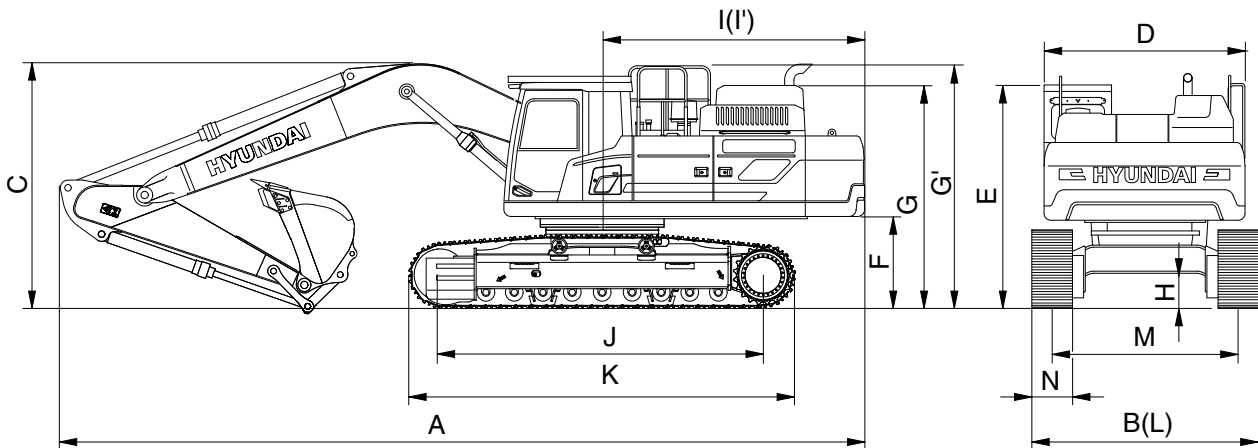
HX480A L (2/4)



480A2SP02

Description		Unit		Specification			
		m (ft-in)	Boom	7.06 (23' 2")			
			Arm	2.40 (7' 10")	2.90 (9' 6")	4.00 (13' 1")	2.55 (8' 4")
		mm (in)	Shoe	600 (24)			
Operating weight		kg (lb)		49763 (109710)	50001 (110230)	50115 (110480)	49737 (109650)
Bucket capacity (SAE heaped), standard		m³ (yd³)		2.20 (2.88)	2.20 (2.88)	2.20 (2.88)	2.20 (2.88)
Overall length	A	mm (ft-in)		12290 (40' 4")	12110 (39' 9")	12170 (39' 11")	12010 (39' 5")
Overall width	B			3340 (10' 11")	3340 (10' 11")	3340 (10' 11")	3340 (10' 11")
Overall height of boom	C			4010 (13' 2")	3920 (12' 10")	3900 (12' 10")	4110 (13' 6")
Superstructure width	D			2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")
Overall height of cab	E			3220 (10' 7")	3220 (10' 7")	3220 (10' 7")	3220 (10' 7")
Ground clearance of counterweight	F			1300 (4' 3")	1300 (4' 3")	1300 (4' 3")	1300 (4' 3")
Overall height of engine hood	G			3016 (9' 11")	3016 (9' 11")	3016 (9' 11")	3016 (9' 11")
Overall height of guardrail	G'			3450 (11' 4")	3450 (11' 4")	3450 (11' 4")	3450 (11' 4")
Minimum ground clearance	H			565 (1' 10")	565 (1' 10")	565 (1' 10")	565 (1' 10")
Rear-end distance	I			3745 (12' 3")	3745 (12' 3")	3745 (12' 3")	3745 (12' 3")
Rear-end swing radius	I'			3800 (12' 6")	3800 (12' 6")	3800 (12' 6")	3800 (12' 6")
Distance between tumblers	J			4470 (14' 8")	4470 (14' 8")	4470 (14' 8")	4470 (14' 8")
Undercarriage length (without grouser)	K			5416 (17' 9")	5416 (17' 9")	5416 (17' 9")	5416 (17' 9")
Undercarriage length (with grouser)				5490 (18' 0")	5490 (18' 0")	5490 (18' 0")	5490 (18' 0")
Undercarriage width	L			3340 (10' 11")	3340 (10' 11")	3340 (10' 11")	3340 (10' 11")
Track gauge	M			2740 (9' 0")	2740 (9' 0")	2740 (9' 0")	2740 (9' 0")
Track shoe width, standard	N			600 (24")	600 (24")	600 (24")	600 (24")
Travel speed (low/high)		km/hr (mph)		3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)
Swing speed		rpm		8.6	8.6	8.6	8.6
Gradeability		Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure		kgf/cm² (psi)		0.86 (12.2)	0.86 (12.2)	0.86 (12.2)	0.86 (12.2)
Max traction force		kg (lb)		34100 (75180)	34100 (75180)	34100 (75180)	34100 (75180)

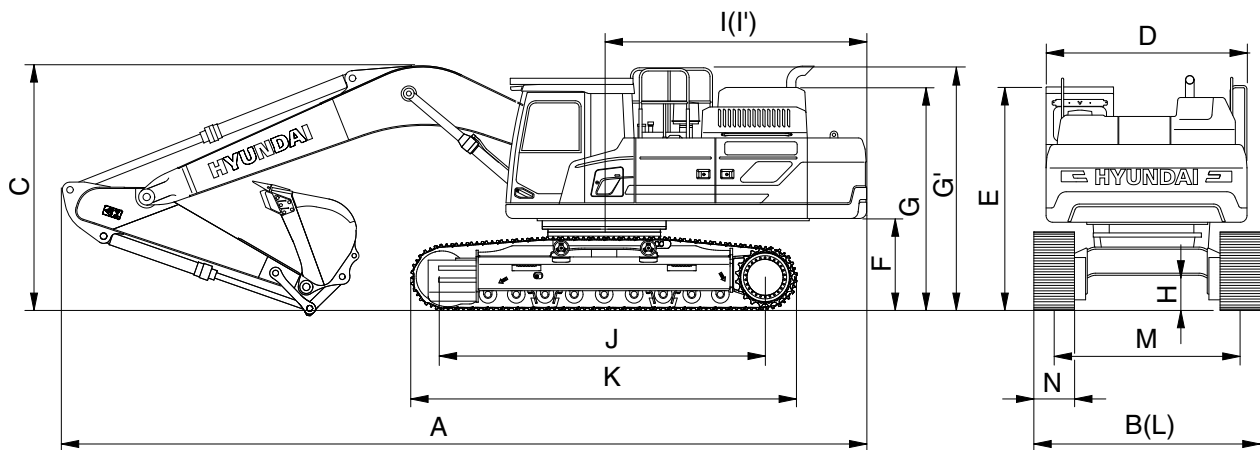
HX480A L (3/4)



480A2SP02

Description		Unit		Specification		
		m (ft-in)	Boom	6.55 (21' 6")		
			Arm	2.40 (7' 10")	2.90 (9' 6")	2.55 (8' 4")
		mm (in)	Shoe	600 (24)		
Operating weight		kg (lb)		49748 (109680)	50035 (110310)	49770 (109720)
Bucket capacity (SAE heaped), standard		m³ (yd³)		2.20 (2.88)	2.20 (2.88)	2.20 (2.88)
Overall length	A	mm (ft-in)	11780 (38' 8")	11600 (38' 1")	11650 (38' 3")	
Overall width	B		3340 (10' 11")	3340 (10' 11")	3340 (10' 11")	
Overall height of boom	C		4100 (13' 5")	3980 (13' 1")	3950 (13' 0")	
Superstructure width	D		2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	
Overall height of cab	E		3220 (10' 7")	3220 (10' 7")	3220 (10' 7")	
Ground clearance of counterweight	F		1300 (4' 3")	1300 (4' 3")	1300 (4' 3")	
Overall height of engine hood	G		3016 (9' 11")	3016 (9' 11")	3016 (9' 11")	
Overall height of guardrail	G'		3450 (11' 4")	3450 (11' 4")	3450 (11' 4")	
Minimum ground clearance	H		565 (1' 10")	565 (1' 10")	565 (1' 10")	
Rear-end distance	I		3745 (12' 3")	3745 (12' 3")	3745 (12' 3")	
Rear-end swing radius	I'		3800 (12' 6")	3800 (12' 6")	3800 (12' 6")	
Distance between tumblers	J		4470 (14' 8")	4470 (14' 8")	4470 (14' 8")	
Undercarriage length (without grouser)	K		5416 (17' 9")	5416 (17' 9")	5416 (17' 9")	
Undercarriage length (with grouser)			5490 (18' 0")	5490 (18' 0")	5490 (18' 0")	
Undercarriage width	L		3340 (10' 11")	3340 (10' 11")	3340 (10' 11")	
Track gauge	M		2740 (9' 0")	2740 (9' 0")	2740 (9' 0")	
Track shoe width, standard	N		600 (24")	600 (24")	600 (24")	
Travel speed (low/high)		km/hr (mph)	3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)	
Swing speed		rpm	8.6	8.6	8.6	
Gradeability		Degree (%)	35 (70)	35 (70)	35 (70)	
Ground pressure		kgf/cm² (psi)	0.86 (12.2)	0.86 (12.2)	0.86 (12.2)	
Max traction force		kg (lb)	34100 (75180)	34100 (75180)	34100 (75180)	

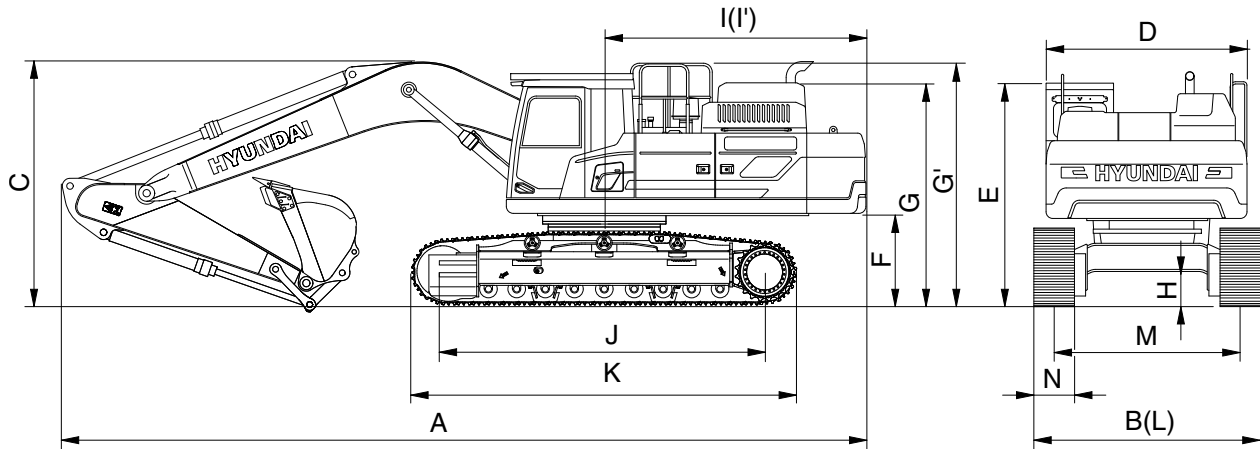
HX480A L (4/4)



480A2SP02

Description		Unit		Specification	
		m (ft-in)	Boom	9.00 (29' 6")	
			Arm	6.00 (19' 8")	
		mm (in)	Shoe	600 (24)	
Operating weight		kg (lb)		52298 (115300)	
Bucket capacity (SAE heaped), standard		m³ (yd³)		2.20 (2.88)	
Overall length	A	mm (ft-in)	14010 (46' 0")		
Overall width	B		3340 (10' 11")		
Overall height of boom	C		3990 (13' 1")		
Superstructure width	D		2980 (9' 9")		
Overall height of cab	E		3220 (10' 7")		
Ground clearance of counterweight	F		1300 (4' 3")		
Overall height of engine hood	G		3016 (9' 11")		
Overall height of guardrail	G'		3450 (11' 4")		
Minimum ground clearance	H		565 (1' 10")		
Rear-end distance	I		3745 (12' 3")		
Rear-end swing radius	I'		3800 (12' 6")		
Distance between tumblers	J		4470 (14' 8")		
Undercarriage length (without grouser)	K		5416 (17' 9")		
Undercarriage length (with grouser)			5490 (18' 0")		
Undercarriage width	L		3340 (10' 11")		
Track gauge	M		2740 (9' 0")		
Track shoe width, standard	N		600 (24")		
Travel speed (low/high)			km/hr (mph)		3.3/5.3 (2.1/3.3)
Swing speed			rpm		8.6
Gradeability			Degree (%)		35 (70)
Ground pressure		kgf/cm² (psi)		0.86 (12.2)	
Max traction force		kg (lb)		34100 (75180)	

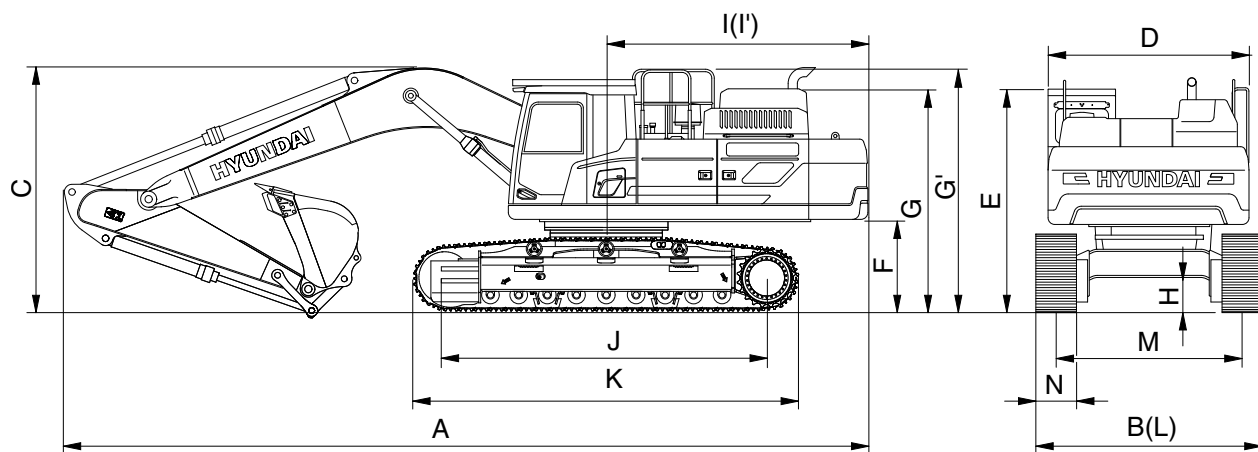
2) HX520A L (1/4)



520A2SP03

Description		Unit		Specification	
		m (ft-in)	Boom	7.06 (23' 2")	
			Arm	3.38 (11' 1")	
		mm (in)	Shoe	600 (24)	800 (32)
Operating weight		kg (lb)		52001 (114640)	53501 (117950)
Bucket capacity (SAE heaped), standard		m³ (yd³)		2.20 (2.88)	2.20 (2.88)
Overall length	A	mm (ft-in)	12040 (39' 6")		12040 (39' 6")
Overall width (transport position)	B		2980 (9' 9")		2980 (9' 9")
Overall width (working position)			3540 (11' 7")		3540 (11' 7")
Overall height of boom	C		3790 (12' 5")		3790 (12' 5")
Superstructure width	D		2980 (9' 9")		2980 (9' 9")
Overall height of cab	E		3365 (11' 0")		3365 (11' 0")
Ground clearance of counterweight	F		1445 (4' 9")		1445 (4' 9")
Overall height of engine hood	G		3310 (10' 10")		3310 (10' 10")
Overall height of guardrail	G'		3595 (11' 10")		3595 (11' 10")
Minimum ground clearance	H		770 (2' 6")		770 (2' 6")
Rear-end distance	I		3745 (12' 3")		3745 (12' 3")
Rear-end swing radius	I'		3800 (12' 6")		3800 (12' 6")
Distance between tumblers	J		4470 (14' 8")		4470 (14' 8")
Undercarriage length (without grouser)	K		5416 (17' 9")		5416 (17' 9")
Undercarriage length (with grouser)			5490 (18' 0")		5490 (18' 0")
Undercarriage width (transport position)	L		2980 (9' 9")		2980 (9' 9")
Undercarriage width (working position)			3540 (11' 7")		3540 (11' 7")
Track gauge (transport position)	M		2380 (7' 10")		2380 (7' 10")
Track gauge (working position)			2940 (9' 8")		2940 (9' 8")
Track shoe width, standard	N		600 (24")		800 (32")
Travel speed (low/high)		km/hr (mph)	3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)	
Swing speed		rpm	8.6	8.6	
Gradeability		Degree (%)	35 (70)	35 (70)	
Ground pressure		kgf/cm² (psi)	0.91 (12.9)	0.91 (12.9)	
Max traction force		kg (lb)	34100 (75180)	34100 (75180)	

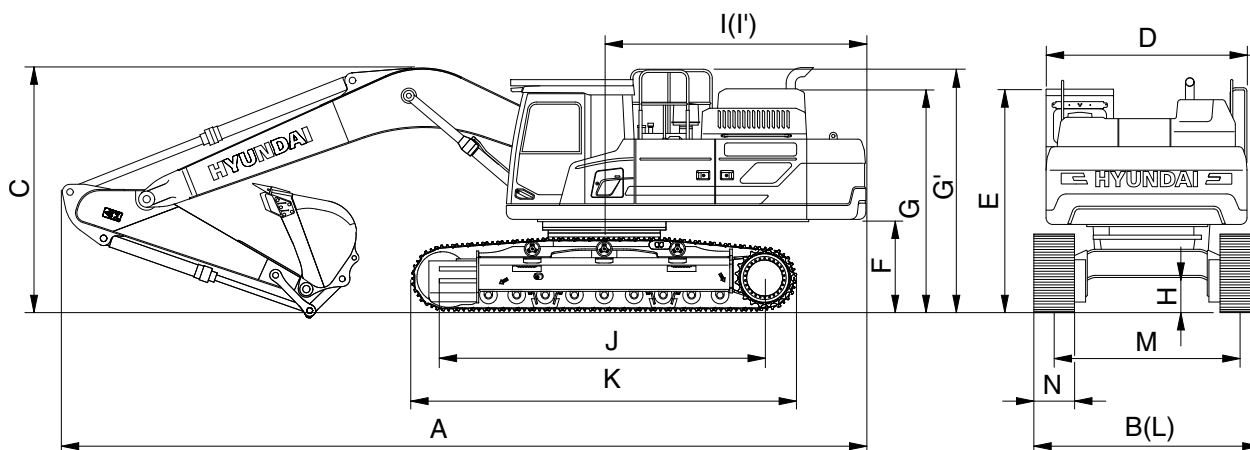
HX520A L (2/4)



520A2SP03

Description		Unit		Specification			
		m (ft-in)	Boom	7.06 (23' 2")			
			Arm	2.40 (7' 10")	2.90 (9' 6")	4.00 (13' 1")	2.55 (8' 4")
		mm (in)	Shoe	600 (24)			
Operating weight		kg (lb)		51767 (114130)	52005 (114650)	52118 (114900)	51741 (114070)
Bucket capacity (SAE heaped), standard		m³ (yd³)		2.20 (2.88)	2.20 (2.88)	2.20 (2.88)	2.20 (2.88)
Overall length	A	mm (ft-in)	12290 (40' 4")	12290 (40' 4")	12160 (39' 11")	12260 (40' 3")	
Overall width (transport position)	B		2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	
Overall width (working position)			3540 (11' 7")	3540 (11' 7")	3540 (11' 7")	3540 (11' 7")	
Overall height of boom	C		3920 (12' 10")	4065 (13' 4")	3900 (12' 10")	4110 (13' 6")	
Superstructure width	D		2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	
Overall height of cab	E		3365 (11' 0")	3365 (11' 0")	3365 (11' 0")	3365 (11' 0")	
Ground clearance of counterweight	F		1445 (4' 9")	1445 (4' 9")	1445 (4' 9")	1445 (4' 9")	
Overall height of engine hood	G		3310 (10' 10")	3310 (10' 10")	3310 (10' 10")	3310 (10' 10")	
Overall height of guardrail	G'		3595 (11' 10")	3595 (11' 10")	3595 (11' 10")	3595 (11' 10")	
Minimum ground clearance	H		770 (2' 6")	770 (2' 6")	770 (2' 6")	770 (2' 6")	
Rear-end distance	I		3745 (12' 3")	3745 (12' 3")	3745 (12' 3")	3745 (12' 3")	
Rear-end swing radius	I'		3800 (12' 6")	3800 (12' 6")	3800 (12' 6")	3800 (12' 6")	
Distance between tumblers	J		4470 (14' 8")	4470 (14' 8")	4470 (14' 8")	4470 (14' 8")	
Undercarriage length (without grouser)	K		5416 (17' 9")	5416 (17' 9")	5416 (17' 9")	5416 (17' 9")	
Undercarriage length (with grouser)			5490 (18' 0")	5490 (18' 0")	5490 (18' 0")	5490 (18' 0")	
Undercarriage width (transport position)	L		2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	
Undercarriage width (working position)			3540 (11' 7")	3540 (11' 7")	3540 (11' 7")	3540 (11' 7")	
Track gauge (transport position)	M		2380 (7' 10")	2380 (7' 10")	2380 (7' 10")	2380 (7' 10")	
Track gauge (working position)			2940 (9' 8")	2940 (9' 8")	2940 (9' 8")	2940 (9' 8")	
Track shoe width, standard	N		600 (24")	600 (24")	600 (24")	600 (24")	
Travel speed (low/high)		km/hr (mph)	3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)	
Swing speed		rpm	8.6	8.6	8.6	8.6	
Gradeability		Degree (%)	35 (70)	35 (70)	35 (70)	35 (70)	
Ground pressure		kgf/cm² (psi)	0.91 (12.9)	0.91 (12.9)	0.91 (12.9)	0.91 (12.9)	
Max traction force		kg (lb)	34100 (75180)	34100 (75180)	34100 (75180)	34100 (75180)	

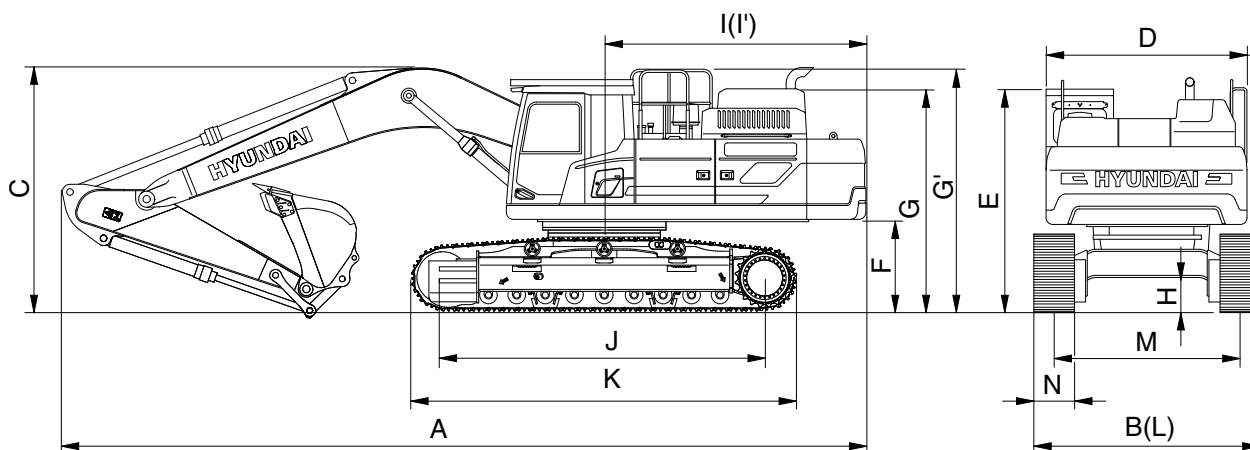
HX520A L (3/4)



520A2SP03

Description		Unit		Specification		
		m (ft-in)	Boom	6.55 (21' 6")		
			Arm	2.40 (7' 10")	2.90 (9' 6")	2.55 (8' 4")
		mm (in)	Shoe	600 (24)		
Operating weight		kg (lb)		51750 (114090)	51989 (114610)	51724 (114030)
Bucket capacity (SAE heaped), standard		m³ (yd³)		2.20 (2.88)	2.20 (2.88)	2.20 (2.88)
Overall length	A	mm (ft-in)	11780 (38' 8")	12260 (40' 3")	11650 (38' 3")	
Overall width (transport position)	B		2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	
Overall width (working position)			3540 (11' 7")	3540 (11' 7")	3540 (11' 7")	
Overall height of boom	C		4190 (13' 9")	3980 (13' 1")	4080 (13' 5")	
Superstructure width	D		2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	
Overall height of cab	E		3365 (11' 0")	3365 (11' 0")	3365 (11' 0")	
Ground clearance of counterweight	F		1445 (4' 9")	1445 (4' 9")	1445 (4' 9")	
Overall height of engine hood	G		3310 (10' 10")	3310 (10' 10")	3310 (10' 10")	
Overall height of guardrail	G'		3595 (11' 10")	3595 (11' 10")	3595 (11' 10")	
Minimum ground clearance	H		770 (2' 6")	770 (2' 6")	770 (2' 6")	
Rear-end distance	I		3745 (12' 3")	3745 (12' 3")	3745 (12' 3")	
Rear-end swing radius	I'		3800 (12' 6")	3800 (12' 6")	3800 (12' 6")	
Distance between tumblers	J		4470 (14' 8")	4470 (14' 8")	4470 (14' 8")	
Undercarriage length (without grouser)	K		5416 (17' 9")	5416 (17' 9")	5416 (17' 9")	
Undercarriage length (with grouser)			5490 (18' 0")	5490 (18' 0")	5490 (18' 0")	
Undercarriage width (transport position)	L		2980 (9' 9")	2980 (9' 9")	2980 (9' 9")	
Undercarriage width (working position)			3540 (11' 7")	3540 (11' 7")	3540 (11' 7")	
Track gauge (transport position)	M		2380 (7' 10")	2380 (7' 10")	2380 (7' 10")	
Track gauge (working position)			2940 (9' 8")	2940 (9' 8")	2940 (9' 8")	
Track shoe width, standard	N		600 (24")	600 (24")	600 (24")	
Travel speed (low/high)		km/hr (mph)	3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)	3.3/5.3 (2.1/3.3)	
Swing speed		rpm	8.6	8.6	8.6	
Gradeability		Degree (%)	35 (70)	35 (70)	35 (70)	
Ground pressure		kgf/cm² (psi)	0.91 (12.9)	0.91 (12.9)	0.91 (12.9)	
Max traction force		kg (lb)	34100 (75180)	34100 (75180)	34100 (75180)	

HX520A L (4/4)

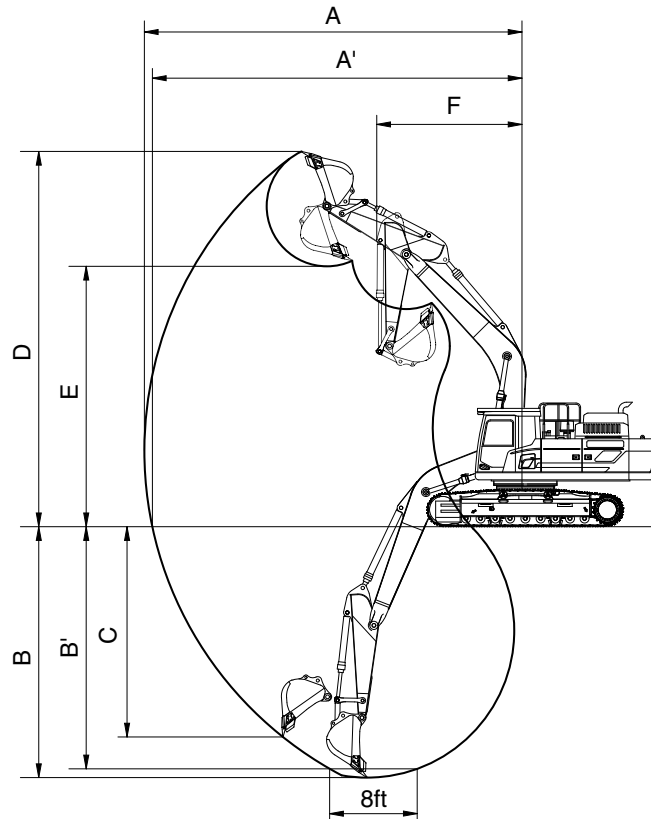


520A2SP03

Description		Unit		Specification	
		m (ft-in)	Boom	9.00 (29' 6")	
			Arm	6.00 (19' 8")	
		mm (in)	Shoe	600 (24)	
Operating weight		kg (lb)		53190 (117260)	
Bucket capacity (SAE heaped), standard		m³ (yd³)		2.20 (2.88)	
Overall length	A	mm (ft-in)	13980 (45' 10")		
Overall width (transport position)	B		2980 (9' 9")		
Overall width (working position)			3540 (11' 7")		
Overall height of boom	C		3960 (13' 0")		
Superstructure width	D		2980 (9' 9")		
Overall height of cab	E		3365 (11' 0")		
Ground clearance of counterweight	F		1445 (4' 9")		
Overall height of engine hood	G		3310 (10' 10")		
Overall height of guardrail	G'		3595 (11' 10")		
Minimum ground clearance	H		770 (2' 6")		
Rear-end distance	I		3745 (12' 3")		
Rear-end swing radius	I'		3800 (12' 6")		
Distance between tumblers	J		4470 (14' 8")		
Undercarriage length (without grouser)	K		5416 (17' 9")		
Undercarriage length (with grouser)			5490 (18' 0")		
Undercarriage width (transport position)	L		2980 (9' 9")		
Undercarriage width (working position)			3540 (11' 7")		
Track gauge (transport position)	M		2380 (7' 10")		
Track gauge (working position)			2940 (9' 8")		
Track shoe width, standard	N		600 (24")		
Travel speed (low/high)			km/hr (mph)		3.3/5.3 (2.1/3.3)
Swing speed			rpm		8.6
Gradeability			Degree (%)		35 (70)
Ground pressure			kgf/cm² (psi)		0.91 (12.9)
Max traction force			kg (lb)		34100 (75180)

3. WORKING RANGE AND DIGGING FORCE

1) HX480A L (1/2)

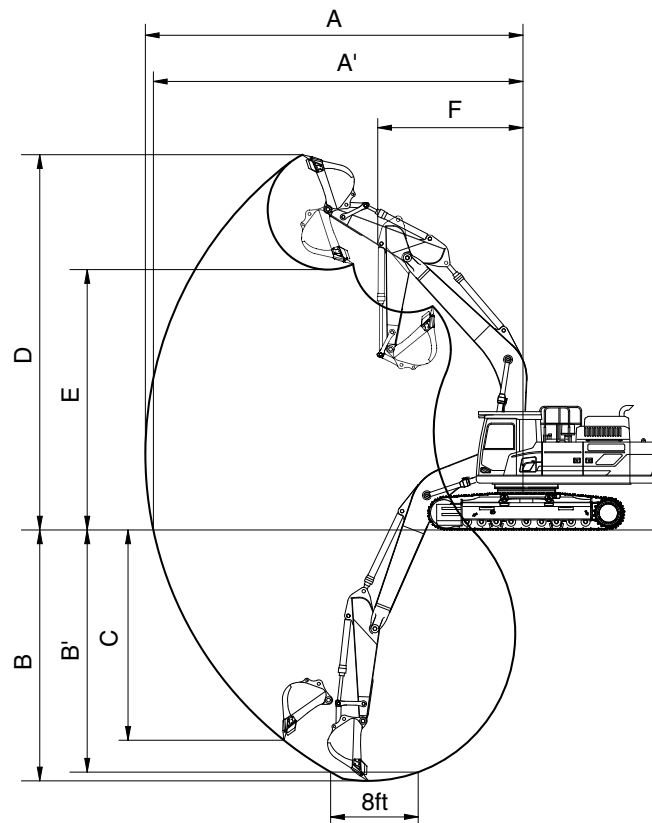


480A2SP05

Description	m (ft-in)	Boom					
		Arm	7.06 (23' 2")				
			2.40 (7' 10")	2.55 (8' 4")	2.90 (9' 6")	3.38 (11' 1")	4.00 (13' 1")
Max digging reach	mm (ft-in)	A	11200 (36' 9")	11410 (37' 5")	11620 (38' 1")	12040 (39' 6")	12600 (41' 4")
Max digging reach on ground		A'	10980 (36' 0")	11200 (36' 9")	11410 (37' 5")	11840 (38' 10")	12410 (40' 9")
Max digging depth		B	6780 (22' 3")	6930 (22' 9")	7280 (23' 11")	7760 (25' 6")	8380 (27' 6")
Max digging depth (8 ft level)		B'	6600 (21' 8")	6760 (22' 2")	7120 (23' 4")	7620 (25' 0")	8250 (27' 1")
Max vertical wall digging depth		C	4790 (15' 9")	5720 (18' 9")	5800 (19' 0")	5920 (19' 5")	6470 (21' 3")
Max digging height		D	10710 (35' 2")	11110 (36' 5")	10930 (35' 10")	11030 (36' 2")	11260 (36' 11")
Max dumping height		E	7350 (24' 1")	7570 (24' 10")	7490 (24' 7")	7640 (25' 1")	7870 (25' 10")
Min swing radius		F	5110 (16' 9")	4780 (15' 8")	4890 (16' 1")	4770 (15' 8")	4630 (15' 2")
Bucket digging force	kN	SAE	213.8 [232.1]	211.8 [230.0]	211.8 [230.0]	213.8 [232.1]	215.7 [234.3]
	kgf		21800 [23670]	21600 [23450]	21600 [23450]	21800 [23670]	22000 [23890]
	lbf		48061 [52183]	47620 [51698]	47620 [51698]	48061 [52183]	48502 [52668]
	kN	ISO	248.1 [269.4]	246.1 [267.2]	246.1 [267.2]	248.1 [269.4]	250.1 [271.5]
	kgf		25300 [27470]	25100 [27250]	25100 [27250]	25300 [27470]	25500 [27690]
	lbf		55777 [60561]	55336 [60076]	55336 [60076]	55777 [60561]	56218 [61046]
Arm digging force	kN	SAE	274.6 [298.1]	232.7 [252.6]	220.6 [239.6]	191.2 [207.6]	170.6 [185.2]
	kgf		28000 [30400]	23730 [25760]	22500 [24430]	19500 [21170]	17400 [18890]
	lbf		61729 [67021]	52316 [56791]	49604 [53859]	42990 [46672]	38360 [41645]
	kN	ISO	287.3 [311.9]	243.2 [264.1]	229.5 [249.2]	198.1 [215.1]	176.5 [191.6]
	kgf		29300 [31810]	24800 [26930]	23400 [25410]	20200 [21930]	18000 [19540]
	lbf		64595 [70129]	54675 [59370]	51588 [56019]	44533 [48347]	39683 [43078]

[] : Power boost

HX480A L (2/2)

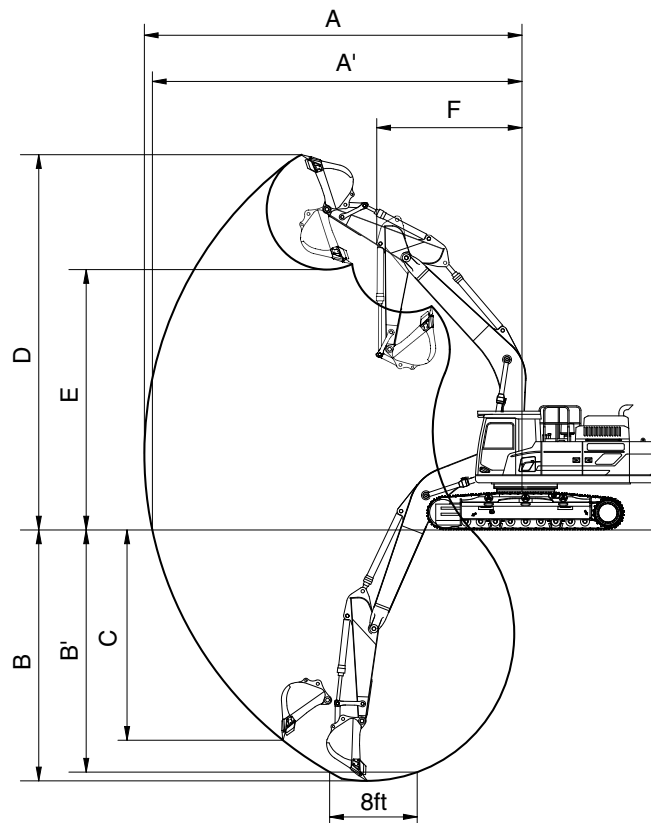


480A2SP05

Description	m (ft-in)	Boom	6.55 (21' 6")			9.00 (29' 6")
		Arm	2.40 (7' 10")	2.90 (9' 6")	2.55 (8' 4")	6.00 (19' 8")
Max digging reach	mm (ft-in)	A	10650 (34' 11")	10860 (35' 8")	11070 (36' 4")	16180 (53' 1")
Max digging reach on ground		A'	10430 (34' 3")	10640 (34' 11")	10850 (35' 7")	16030 (52' 7")
Max digging depth		B	6420 (21' 1")	6570 (21' 7")	6920 (22' 8")	12020 (39' 5")
Max digging depth (8 ft level)		B'	6240 (20' 6")	6400 (21' 0")	6760 (22' 2")	11920 (39' 1")
Max vertical wall digging depth		C	4510 (14' 10")	5550 (18' 3")	5550 (18' 3")	8510 (27' 11")
Max digging height		D	10170 (33' 4")	10580 (34' 9")	10380 (34' 1")	12610 (41' 4")
Max dumping height		E	6850 (22' 6")	7070 (23' 2")	6970 (22' 10")	9410 (30' 10")
Min swing radius		F	4730 (15' 6")	4550 (14' 11")	4520 (14' 10")	6040 (19' 10")
Bucket digging force	kN	SAE	241.2 [261.9]	211.8 [230.0]	211.8 [230.0]	216.7 -
	kgf		24600 [26710]	21600 [23450]	21600 [23450]	22100 -
	lbf		54234 [58885]	47620 [51698]	47620 [51698]	48722 -
	kN	ISO	280.5 [304.5]	246.1 [267.2]	246.1 [267.2]	252.0 -
	kgf		28600 [31050]	25100 [27250]	25100 [27250]	25700 -
	lbf		63052 [68454]	55336 [60076]	55336 [60076]	56659 -
Arm digging force	kN	SAE	274.6 [298.1]	232.7 [252.6]	220.6 [239.6]	121.6 -
	kgf		28000 [30400]	23730 [25760]	22500 [24430]	12400 -
	lbf		61729 [67021]	52316 [56791]	49604 [53859]	27337 -
	kN	ISO	287.3 [311.9]	243.2 [264.1]	229.5 [249.2]	124.5 -
	kgf		29300 [31810]	24800 [26930]	23400 [25410]	12700 -
	lbf		64595 [70129]	54675 [59370]	51588 [56019]	27999 -

[] : Power boost

2) HX520A L (1/2)

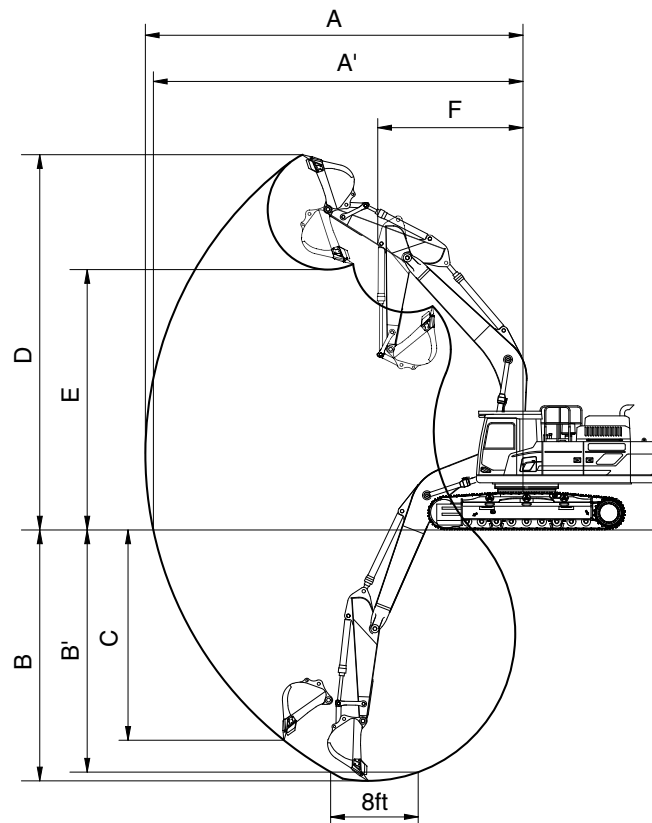


520A2SP06

Description	m (ft-in)	7.06 (23' 2")					
		Boom					
		Arm	2.40 (7' 10")	2.55 (8' 4")	2.90 (9' 6")	3.38 (11' 1")	4.00 (13' 1")
Max digging reach	mm (ft-in)	A	11200 (36' 9")	11410 (37' 5")	11620 (38' 1")	12040 (39' 6")	12600 (41' 4")
Max digging reach on ground		A'	10950 (35' 11")	11170 (36' 8")	11380 (37' 4")	11810 (38' 9")	12380 (40' 7")
Max digging depth		B	6630 (21' 9")	6780 (22' 3")	7130 (23' 5")	7610 (25' 0")	8230 (27' 0")
Max digging depth (8 ft level)		B'	6460 (21' 2")	6610 (21' 8")	6980 (22' 11")	7470 (24' 6")	8110 (26' 7")
Max vertical wall digging depth		C	4650 (15' 3")	5520 (18' 1")	5660 (18' 7")	5770 (18' 11")	6320 (20' 9")
Max digging height		D	10860 (35' 8")	10960 (35' 11")	11080 (36' 4")	11180 (36' 8")	11410 (37' 5")
Max dumping height		E	7490 (24' 7")	7720 (25' 4")	7630 (25' 0")	7780 (25' 6")	8020 (26' 4")
Min swing radius		F	5110 (16' 9")	4780 (15' 8")	4890 (16' 1")	4770 (15' 8")	4630 (15' 2")
Bucket digging force	kN	SAE	241.2 [261.9]	239.3 [259.8]	239.3 [259.8]	241.2 [261.9]	243.2 [264.1]
	kgf		24600 [26710]	24400 [26490]	24400 [26490]	24600 [26710]	24800 [26930]
	lbf		54234 [58885]	53793 [58400]	53793 [58400]	54234 [58885]	54675 [59370]
	kN	ISO	280.5 [304.5]	278.5 [302.3]	278.5 [302.3]	280.5 [304.5]	282.4 [306.7]
	kgf		28600 [31050]	28400 [30830]	28400 [30830]	28600 [31050]	28800 [31270]
	lbf		63052 [68454]	62611 [67968]	62611 [67968]	63052 [68454]	63493 [68939]
Arm digging force	kN	SAE	274.6 [298.1]	232.7 [252.6]	220.6 [239.6]	191.2 [207.6]	170.6 [185.2]
	kgf		28000 [30400]	23730 [25760]	22500 [24430]	19500 [21170]	17400 [18890]
	lbf		61729 [67021]	52316 [56791]	49604 [53859]	42990 [46672]	38360 [41645]
	kN	ISO	287.3 [311.9]	243.2 [264.1]	229.5 [249.2]	198.1 [215.1]	176.5 [191.6]
	kgf		29300 [31810]	24800 [26930]	23400 [25410]	20200 [21930]	18000 [19540]
	lbf		64595 [70129]	54675 [59370]	51588 [56019]	44533 [48347]	39683 [43078]

[] : Power boost

HX520A L (2/2)



520A2SP06

Description	m (ft-in)	Boom	6.55 (21' 6")			9.00 (29' 6")
		Arm	2.40 (7' 10")	2.90 (9' 6")	2.55 (8' 4")	6.00 (19' 8")
Max digging reach	mm (ft-in)	A	10650 (34' 11")	10860 (35' 8")	11070 (36' 4")	16180 (53' 1")
Max digging reach on ground		A'	10390 (34' 1")	10610 (34' 10")	10820 (35' 6")	16010 (52' 6")
Max digging depth		B	6270 (20' 7")	6420 (21' 1")	6770 (22' 3")	11870 (38' 11")
Max digging depth (8 ft level)		B'	6090 (20' 0")	6250 (20' 6")	6610 (21' 8")	11770 (38' 7")
Max vertical wall digging depth		C	4370 (14' 4")	5040 (16' 6")	5420 (17' 9")	8360 (27' 5")
Max digging height		D	10320 (33' 10")	10730 (35' 2")	10530 (34' 7")	12760 (41' 10")
Max dumping height		E	7000 (23' 0")	7220 (23' 8")	7120 (23' 4")	9560 (31' 4")
Min swing radius		F	4730 (15' 6")	4390 (14' 5")	4520 (14' 10")	6040 (19' 10")
Bucket digging force	kN	SAE	241.2 [261.9]	239.3 [259.8]	239.3 [259.8]	216.7 -
	kgf		24600 [26710]	24400 [26490]	24400 [26490]	22100 -
	lbf		54234 [58885]	53793 [58400]	53793 [58400]	48722 -
	kN	ISO	280.5 [304.5]	278.5 [302.3]	278.5 [302.3]	252.0 -
	kgf		28600 [31050]	28400 [30830]	28400 [30830]	25700 -
	lbf		63052 [68454]	62611 [67968]	62611 [67968]	56659 -
Arm digging force	kN	SAE	274.6 [298.1]	232.7 [252.6]	220.6 [239.6]	121.6 -
	kgf		28000 [30400]	23730 [25760]	22500 [24430]	12400 -
	lbf		61729 [67021]	52316 [56791]	49604 [53859]	27337 -
	kN	ISO	287.3 [311.9]	243.2 [264.1]	229.5 [249.2]	124.5 -
	kgf		29300 [31810]	24800 [26930]	23400 [25410]	12700 -
	lbf		64595 [70129]	54675 [59370]	51588 [56019]	27999 -

[] : Power boost

4. WEIGHT

Item	HX480A L		HX520A L	
	kg	lb	kg	lb
Upperstructure assembly				
· Main frame weld assembly	4,334	9,555	4,334	9,555
· Engine assembly	860	1,896	860	1,896
· Aftertreatment assembly	149	328	149	328
· Main pump assembly	194	428	194	428
· Main control valve assembly	421	928	421	928
· Swing motor assembly	680	1,499	680	1,499
· Hydraulic oil tank WA	290	639	290	639
· Fuel tank WA	347	765	347	765
· Counterweight	9,700	21,385	10,700	23,589
· Cab assembly	495	1,092	495	1,092
Lower chassis assembly				
· Track frame weld assembly	7,107	15,668	7,888	17,390
· Swing bearing	719	1,585	719	1,585
· Travel motor assembly (2EA)	1,264	2,787	1,264	2,787
· Turning joint	96	212	96	212
· Sprocket (2EA)	188	415	188	415
· Track recoil spring (2EA)	653	1,440	653	1,440
· Idler (2EA)	639	1,408	639	1,408
· Upper roller (HX480LA - 4EA / HX520LA - 6EA)	160	353	244	538
· Lower roller (18EA)	1,579	3,481	1,531	3,375
· Track-chain assembly (600 mm triple grouser shoe) (2EA)	5,534	12,200	5,534	12,200
· Track-chain assembly (700 mm triple grouser shoe) (2EA)	6,054	13,347	6,054	13,347
· Track-chain assembly (800 mm triple grouser shoe) (2EA)	6,584	14,515	6,584	14,515
· Track-chain assembly (900 mm triple grouser shoe) (2EA)	7,092	15,635	7,092	15,635
· Track-chain assembly (600 mm double grouser shoe) (2EA)	5,566	12,271	5,566	12,271
· Track-chain assembly (700 mm double grouser shoe) (2EA)	6,096	13,439	6,096	13,439
Front attachment assembly				
· 7.06 m boom assembly	1,940	4,277	1,940	4,277
· 3.38 m arm assembly	1,020	2,249	1,020	2,249
· 2.20 m³ SAE heaped bucket	1,020	2,249	1,020	2,249
· Boom cylinder assembly (2EA)	370	816	370	816
· Arm cylinder assembly	589	1,299	589	1,299
· Bucket cylinder assembly	363	800	363	800
· Bucket control linkage total	280	617	280	617

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

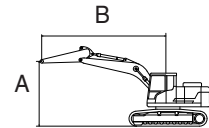
※ Refer to Transportation for actual weight information and Specifications for operating weight.

5. LIFTING CAPACITIES

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	3380	9200	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											*7670 *16910	*7670 *16910	7.44 (24.4)
7.5 m (24.6 ft)	kg lb							*10410 *22950	*10410 *22950			*7250 *15980	*7250 *15980	8.60 (28.2)
6.0 m (19.7 ft)	kg lb							*10910 *24050	*10910 *24050	*9970 *21980	8090 17840	*7160 *15790	*7160 *15790	9.38 (30.8)
4.5 m (14.8 ft)	kg lb			*18520 *40830	*18520 *40830	*14070 *31020	*14070 *31020	*11770 *25950	10520 23190	*10400 *22930	7910 17440	*7280 *16050	6790 14970	9.86 (32.4)
3.0 m (9.8 ft)	kg lb			*22310 *49190	20880 46030	*15900 *35050	13850 30530	*12730 *28060	10050 22160	*10860 *23940	7660 16890	*7610 *16780	6390 14090	10.10 (33.1)
1.5 m (4.9 ft)	kg lb			*16400 *36160	*16400 *36160	*17220 *37960	13140 28970	*13510 *29780	9640 21250	*11240 *24780	7430 16380	*8180 *18030	6250 13780	10.11 (33.2)
0.0 m (0.0 ft)	kg lb			*18730 *41290	*18730 *41290	*17690 *39000	12720 28040	*13860 *30560	9340 20590	*11330 *24980	7260 16010	*9100 *20060	6360 14020	9.90 (32.5)
-1.5 m (-4.9 ft)	kg lb	*13500 *29760	*13500 *29760	*22500 *49600	19300 42550	*17250 *38030	12560 27690	*13600 *29980	9200 20280	*10900 *24030	7190 15850	*10130 *22330	6760 14900	9.43 (31.0)
-3.0 m (-9.8 ft)	kg lb	*21470 *47330	*21470 *47330	*20180 *44490	19490 42970	*15850 *34940	12600 27780	*12490 *27540	9230 20350			*10050 *22160	7610 16780	8.69 (28.5)
-4.5 m (-14.8 ft)	kg lb	*20180 *44490	*20180 *44490	*16530 *36440	*16530 *36440	*13150 *28990	12850 28330	*9790 *21580	9480 20900			*9580 *21120	9360 20640	7.58 (24.9)

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	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	2550	9200	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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg											*12320	*12320	6.55
	lb											*27160	*27160	(21.5)
7.5 m (24.6 ft)	kg							*11710	10990			*11350	10150	7.84
	lb							*25820	24230			*25020	22380	(25.7)
6.0 m (19.7 ft)	kg					*13770	*13770	*11980	10810			*11020	8490	8.69
	lb					*30360	*30360	*26410	23830			*24290	18720	(28.5)
4.5 m (14.8 ft)	kg					*15410	14460	*12710	10440	*11200	7900	*11070	7600	9.21
	lb					*33970	31880	*28020	23020	*24690	17420	*24410	16760	(30.2)
3.0 m (9.8 ft)	kg					*17010	13660	*13500	10030	*11470	7710	*10990	7140	9.47
	lb					*37500	30120	*29760	22110	*25290	17000	*24230	15740	(31.1)
1.5 m (4.9 ft)	kg					*17890	13110	*14050	9690	*11630	7540	*10970	7010	9.48
	lb					*39440	28900	*30970	21360	*25640	16620	*24180	15450	(31.1)
0.0 m (0.0 ft)	kg					*17820	12840	*14080	9480	*11380	7440	*10930	7180	9.25
	lb					*39290	28310	*31040	20900	*25090	16400	*24100	15830	(30.3)
-1.5 m (-4.9 ft)	kg			*20840	19760	*16830	12810	*13390	9430			*10780	7740	8.75
	lb			*45940	43560	*37100	28240	*29520	20790			*23770	17060	(28.7)
-3.0 m (-9.8 ft)	kg	*19580	*19580	*18070	*18070	*14800	12960	*11510	9570			*10330	8920	7.94
	lb	*43170	*43170	*39840	*39840	*32630	28570	*25380	21100			*22770	19670	(26.1)
-4.5 m (-14.8 ft)	kg			*13620	*13620	*10950	*10950					*9050	*9050	6.71
	lb			*30030	*30030	*24140	*24140					*19950	*19950	(22.0)

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.

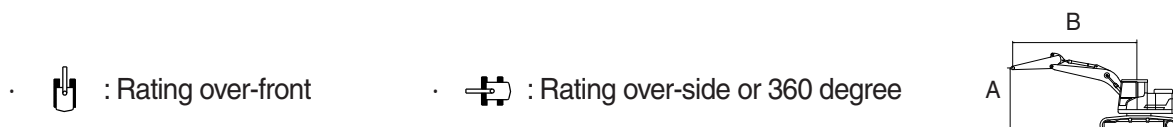
The difference between the weight of a work tool attachment must be subtracted.













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▲ 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		Outtriger	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	2900	9200	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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb											*11090 *24450	*11090 *24450	6.86 (22.5)
7.5 m (24.6 ft)	kg lb							*11090 *24450	11040 24340			*10430 *22990	9650 21270	8.10 (26.6)
6.0 m (19.7 ft)	kg lb					*13110 *28900	*13110 *28900	*11460 *25260	10800 23810			*10260 *22620	8110 17880	8.92 (29.3)
4.5 m (14.8 ft)	kg lb					*14750 *32520	14480 31920	*12230 *26960	10400 22930	*10790 *23790	7840 17280	*10430 *22990	7260 16010	9.43 (30.9)
3.0 m (9.8 ft)	kg lb					*16420 *36200	13610 30000	*13090 *28860	9940 21910	*11140 *24560	7620 16800	*10490 *23130	6810 15010	9.68 (31.8)
1.5 m (4.9 ft)	kg lb					*17480 *38540	12960 28570	*13720 *30250	9560 21080	*11390 *25110	7410 16340	*10530 *23210	6660 14680	9.69 (31.8)
0.0 m (0.0 ft)	kg lb					*17630 *38870	12620 27820	*13880 *30600	9310 20530	*11310 *24930	7270 16030	*10580 *23320	6800 14990	9.47 (31.1)
-1.5 m (-4.9 ft)	kg lb			*21440 *47270	19310 42570	*16880 *37210	12540 27650	*13390 *29520	9220 20330			*10550 *23260	7280 16050	8.98 (29.5)
-3.0 m (-9.8 ft)	kg lb	*21910 *48300	*21910 *48300	*18830 *41510	*18830 *41510	*15130 *33360	12650 27890	*11900 *26230	9310 20530			*10320 *22750	8320 18340	8.20 (26.9)
-4.5 m (-14.8 ft)	kg lb			*14740 *32500	*14740 *32500	*11860 *26150	*11860 *26150					*9500 *20940	*9500 *20940	7.01 (23.0)

Note 1. Lifting capacity are based on ISO 10567.

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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		Outtriger	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	4000	9200	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)		10.5 m (34.4 ft)		Capacity		Reach	
																		m (ft)	
9.0 m (29.5 ft)	kg lb																*6180 *13620	*6180 *13620	8.20 (26.9)
7.5 m (24.6 ft)	kg lb											*7300 *16090	*7300 *16090				*5890 *12990	*5890 *12990	9.26 (30.4)
6.0 m (19.7 ft)	kg lb									*10190 *22470	*10190 *22470	*9440 *20810	8240 18170				*5810 *12810	*5810 *12810	9.98 (32.8)
4.5 m (14.8 ft)	kg lb							*13110 *28900	*13110 *28900	*11120 *24520	10700 23590	*9900 *21830	8020 17680				*5900 *13010	*5900 *13010	10.44 (34.3)
3.0 m (9.8 ft)	kg lb					*20730 *45700	*20730 *45700	*15070 *33220	14140 31170	*12190 *26870	10190 22470	*10460 *23060	7740 17060	*7550 *16640	6050 13340		*6150 *13560	5890 12990	10.67 (35.0)
1.5 m (4.9 ft)	kg lb					*22090 *48700	20070 44250	*16670 *36750	13320 29370	*13120 *28920	9730 21450	*10970 *24180	7470 16470	*8270 *18230	5910 13030		*6580 *14510	5760 12700	10.68 (35.0)
0.0 m (0.0 ft)	kg lb					*20410 *45000	19370 42700	*17500 *38580	12780 28180	*13690 *30180	9370 20660	*11250 *24800	7250 15980				*7250 *15980	5830 12850	10.47 (34.4)
-1.5 m (-4.9 ft)	kg lb			*13080 *28840	*13080 *28840	*23300 *51370	19170 42260	*17450 *38470	12510 27580	*13700 *30200	9170 20220	*11100 *24470	7130 15720				*8310 *18320	6140 13540	10.04 (32.9)
-3.0 m (-9.8 ft)	kg lb	*14790 *32610	*14790 *32610	*19130 *42170	*19130 *42170	*21470 *47330	19250 42440	*16480 *36330	12470 27490	*12990 *28640	9120 20110	*10230 *22550	7130 15720				*9560 *21080	6800 14990	9.34 (30.7)
-4.5 m (-14.8 ft)	kg lb			*23930 *52760	*23930 *52760	*18410 *40590	*18410 *40590	*14390 *31720	12640 27870	*11160 *24600	9250 20390						*9370 *20660	8090 17840	8.32 (27.3)
-6.0 m (-19.7 ft)	kg lb					*13470 *29700	*13470 *29700	*10400 *22930	*10400 *22930								*8490 *18720	*8490 *18720	6.82 (22.4)

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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6550	2400	9200	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					*13490 *29740	*13490 *29740			*13020 *28700	12480 27510	6.91 (22.7)
6.0 m (19.7 ft)	kg lb					*14200 *31310	*14200 *31310	*12660 *27910	10810 23830	*12460 *27470	10010 22070	7.86 (25.8)
4.5 m (14.8 ft)	kg lb					*15640 *34480	14670 32340	*13150 *28990	10520 23190	*12240 *26980	8770 19330	8.43 (27.7)
3.0 m (9.8 ft)	kg lb					*17160 *37830	13910 30670	*13820 *30470	10150 22380	*12170 *26830	8160 17990	8.71 (28.6)
1.5 m (4.9 ft)	kg lb					*18060 *39820	13340 29410	*14270 *31460	9830 21670	*12170 *26830	7980 17590	8.72 (28.6)
0.0 m (0.0 ft)	kg lb					*17980 *39640	13050 28770	*14150 *31200	9640 21250	*12150 *26790	8210 18100	8.47 (27.8)
-1.5 m (-4.9 ft)	kg lb			*21260 *46870	19970 44030	*16800 *37040	13010 28680	*13080 *28840	9620 21210	*12000 *26460	8980 19800	7.93 (26.0)
-3.0 m (-9.8 ft)	kg lb	*20090 *44290	*20090 *44290	*17780 *39200	*17780 *39200	*14170 *31240	13210 29120			*11390 *25110	10720 23630	7.02 (23.0)

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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6550	2550	9200	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									*12640 *27870	*12640 *27870	5.73 (18.8)
7.5 m (24.6 ft)	kg lb					*13260 *29230	*13260 *29230			*11420 *25180	*11420 *25180	7.17 (23.5)
6.0 m (19.7 ft)	kg lb					*14050 *30970	*14050 *30970	*12530 *27620	10910 24050	*11020 *24290	9620 21210	8.09 (26.5)
4.5 m (14.8 ft)	kg lb			*20450 *45080	*20450 *45080	*15540 *34260	14830 32690	*13090 *28860	10620 23410	*11080 *24430	8500 18740	8.65 (28.4)
3.0 m (9.8 ft)	kg lb					*17130 *37770	14080 31040	*13820 *30470	10260 22620	*11510 *25380	7940 17500	8.92 (29.3)
1.5 m (4.9 ft)	kg lb					*18140 *39990	13510 29780	*14330 *31590	9940 21910	*11910 *26260	7780 17150	8.93 (29.3)
0.0 m (0.0 ft)	kg lb			*22600 *49820	20060 44220	*18170 *40060	13200 29100	*14290 *31500	9740 21470	*11880 *26190	8000 17640	8.69 (28.5)
-1.5 m (-4.9 ft)	kg lb			*21830 *48130	20130 44380	*17110 *37720	13130 28950	*13350 *29430	9690 21360	*11710 *25820	8710 19200	8.16 (26.8)
-3.0 m (-9.8 ft)	kg lb	*21500 *47400	*21500 *47400	*18470 *40720	*18470 *40720	*14650 *32300	13290 29300			*11130 *24540	10280 22660	7.28 (23.9)
-4.5 m (-14.8 ft)	kg lb			*12770 *28150	*12770 *28150					*9300 *20500	*9300 *20500	5.90 (19.4)

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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	
HX480A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		9000	6000	10200	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)		10.5 m (34.4 ft)		12.0 m (39.4 ft)		13.5 m (44.3 ft)		Capacity		Reach		
																								m (ft)
10.5m 34.4ft	kg lb																				*2480 *5470	*2480 *5470	11.56 (37.9)	
9.0m 29.5ft	kg lb															*3660 *8070	*3660 *8070					*2400 *5290	*2400 *5290	12.52 (41.1)
7.5m 24.6ft	kg lb															*5020 *11070	*5020 *11070					*2370 *5220	*2370 *5220	13.23 (43.4)
6.0m 19.7ft	kg lb													*6260 *13800	*6260 *13800	*5830 *12850	5260 11600	*3180 *7010	*3180 *7010			*2400 *5290	*2400 *5290	13.75 (45.1)
4.5m 14.8ft	kg lb											*7510 *16560	*7510 *16560	*6690 *14750	6420 14150	*6100 *13450	5070 11180	*4290 *9460	4020 8860			*2470 *5450	*2470 *5450	14.08 (46.2)
3.0m 9.8ft	kg lb					*17810 *39260	*17810 *39260	*12560 *27690	*12560 *27690	*9870 *21760	*9870 *21760	*8240 *18170	7780 17150	*7160 *15790	6090 13430	*6390 *14090	4840 10670	*5070 *11180	3890 8580			*2590 *5710	*2590 *5710	14.25 (46.7)
1.5m 4.9ft	kg lb					*11630 *25640	*11630 *25640	*14190 *31280	12900 28440	*10900 *24030	9480 20900	*8920 *19670	7290 16070	*7610 *16780	5760 12700	*6680 *14730	4630 10210	*5570 *12280	3750 8270			*2770 *6110	*2770 *6110	14.26 (46.8)
0.0m 0.0ft	kg lb					*10370 *22860	*10370 *22860	*15210 *33530	12020 26500	*11660 *25710	8870 19550	*9450 *20830	6870 15150	*7960 *17550	5470 12060	*6900 *15210	4430 9770	*5620 *12390	3630 8000			*3020 *6660	*3020 *6660	14.10 (46.3)
-1.5m -4.9ft	kg lb	*5890 *12990	*5890 *12990	*7150 *15760	*7150 *15760	*11470 *25290	*11470 *25290	*15590 *34370	11520 25400	*12070 *26610	8460 18650	*9770 *21540	6560 14460	*8180 *18030	5250 11570	*7010 *15450	4280 9440	*4830 *10650	3540 7800			*3370 *7430	*3370 *7430	13.79 (45.2)
-3.0m -9.8ft	kg lb	*7980 *17590	*7980 *17590	*9520 *20990	*9520 *20990	*13520 *29810	*13520 *29810	*15430 *34020	11300 24910	*12100 *26680	8230 18140	*9830 *21670	6370 14040	*8200 *18080	5100 11240	*6950 *15320	4190 9240					*3860 *8510	3590 7910	13.29 (43.6)
-4.5m -14.8ft	kg lb	*10200 *22490	*10200 *22490	*12070 *26610	*12070 *26610	*16210 *35740	*16210 *35740	*14770 *32560	11270 24850	*11740 *25880	8150 17970	*9580 *21120	6290 13870	*7960 *17550	5050 11130	*6610 *14570	4170 9190					*4610 *10160	3900 8600	12.60 (41.3)
-6.0m -19.7ft	kg lb	*12580 *27730	*12580 *27730	*14900 *32850	*14900 *32850	*17400 *38360	*17400 *38360	*13600 *29980	11400 25130	*10940 *24120	8210 18100	*8940 *19710	6320 13930	*7330 *16160	5090 11220							*5810 *12810	4420 9740	11.67 (38.3)
-7.5m -24.6ft	kg lb			*18180 *40080	*18180 *40080	*14800 *32630	*14800 *32630	*11810 *26040	11680 25750	*9570 *21100	8400 18520	*7740 *17060	6490 14310									*6070 *13380	5320 11730	10.44 (34.3)
-9.0m -29.5ft	kg lb					*11160 *24600	*11160 *24600	*9100 *20060	*9100 *20060	*7290 *16070	*7290 *16070											*5710 *12590	*5710 *12590	8.79 (28.8)

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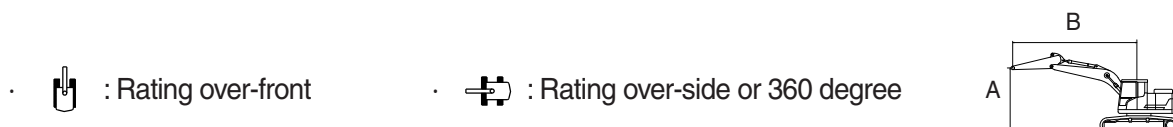
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




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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	3380	10200	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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg							*8110	*8110			*7600	*7600	7.57
	lb							*17880	*17880			*16760	*16760	(24.8)
7.5 m (24.6 ft)	kg							*10420	*10420			*7220	*7220	8.69
	lb							*22970	*22970			*15920	*15920	(28.5)
6.0 m (19.7 ft)	kg							*10960	*10960	*10060	9300	*7140	*7140	9.43
	lb							*24160	*24160	*22180	20500	*15740	*15740	(30.9)
4.5 m (14.8 ft)	kg			*18880	*18880	*14230	*14230	*11840	*11840	*10420	9100	*7290	*7290	9.89
	lb			*41620	*41620	*31370	*31370	*26100	*26100	*22970	20060	*16070	*16070	(32.5)
3.0 m (9.8 ft)	kg			*22550	*22550	*16020	15970	*12790	11580	*10880	8850	*7640	7400	10.11
	lb			*49710	*49710	*35320	35210	*28200	25530	*23990	19510	*16840	16310	(33.2)
1.5 m (4.9 ft)	kg			*16320	*16320	*17280	15270	*13540	11160	*11240	8620	*8240	7280	10.10
	lb			*35980	*35980	*38100	33660	*29850	24600	*24780	19000	*18170	16050	(33.1)
0.0 m (0.0 ft)	kg			*19190	*19190	*17660	14860	*13840	10880	*11300	8450	*9200	7450	9.86
	lb			*42310	*42310	*38930	32760	*30510	23990	*24910	18630	*20280	16420	(32.4)
-1.5 m (-4.9 ft)	kg	*14220	*14220	*22290	*22290	*17130	14720	*13510	10750	*10790	8400	*10110	7960	9.38
	lb	*31350	*31350	*49140	*49140	*37770	32450	*29780	23700	*23790	18520	*22290	17550	(30.8)
-3.0 m (-9.8 ft)	kg	*22270	*22270	*19870	*19870	*15630	14780	*12310	10790			*10000	9010	8.60
	lb	*49100	*49100	*43810	*43810	*34460	32580	*27140	23790			*22050	19860	(28.2)
-4.5 m (-14.8 ft)	kg	*19530	*19530	*16070	*16070	*12770	*12770					*9470	*9470	7.45
	lb	*43060	*43060	*35430	*35430	*28150	*28150					*20880	*20880	(24.4)

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






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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	2550	10200	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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb											*12180 *26850	*12180 *26850	6.70 (22.0)
7.5 m (24.6 ft)	kg lb							*11680 *25750	*11680 *25750			*11290 *24890	*11290 *24890	7.94 (26.0)
6.0 m (19.7 ft)	kg lb					*13890 *30620	*13890 *30620	*12020 *26500	*12020 *26500			*11000 *24250	9650 21270	8.75 (28.7)
4.5 m (14.8 ft)	kg lb					*15550 *34280	*15550 *34280	*12760 *28130	11970 26390	*11200 *24690	9100 20060	*11040 *24340	8710 19200	9.25 (30.3)
3.0 m (9.8 ft)	kg lb					*17100 *37700	15780 34790	*13550 *29870	11560 25490	*11470 *25290	8910 19640	*10970 *24180	8240 18170	9.48 (31.1)
1.5 m (4.9 ft)	kg lb					*17900 *39460	15240 33600	*14050 *30970	11220 24740	*11610 *25600	8730 19250	*10950 *24140	8140 17950	9.47 (31.1)
0.0 m (0.0 ft)	kg lb					*17730 *39090	15000 33070	*14020 *30910	11020 24290	*11300 *24910	8640 19050	*10900 *24030	8380 18470	9.21 (30.2)
-1.5 m (-4.9 ft)	kg lb			*20600 *45420	*20600 *45420	*16660 *36730	14980 33030	*13250 *29210	10990 24230			*10730 *23660	9080 20020	8.69 (28.5)
-3.0 m (-9.8 ft)	kg lb	*19250 *42440	*19250 *42440	*17710 *39040	*17710 *39040	*14510 *31990	*14510 *31990	*11200 *24690	11150 24580			*10240 *22580	*10240 *22580	7.85 (25.7)
-4.5 m (-14.8 ft)	kg lb			*13040 *28750	*13040 *28750	*10380 *22880	*10380 *22880					*8820 *19440	*8820 *19440	6.56 (21.5)

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.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	2900	10200	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)		9.0 m (29.5 ft)		Capacity		Reach
														m (ft)
9.0 m (29.5 ft)	kg lb											*10990 *24230	*10990 *24230	7.00 (23.0)
7.5 m (24.6 ft)	kg lb							*11070 *24410	*11070 *24410			*10390 *22910	*10390 *22910	8.20 (26.9)
6.0 m (19.7 ft)	kg lb					*13220 *29150	*13220 *29150	*11500 *25350	*11500 *25350			*10250 *22600	9230 20350	8.98 (29.5)
4.5 m (14.8 ft)	kg lb					*14890 *32830	*14890 *32830	*12290 *27090	11930 26300	*10800 *23810	9040 19930	*10450 *23040	8340 18390	9.47 (31.1)
3.0 m (9.8 ft)	kg lb					*16520 *36420	15720 34660	*13140 *28970	11470 25290	*11150 *24580	8810 19420	*10480 *23100	7880 17370	9.69 (31.8)
1.5 m (4.9 ft)	kg lb					*17510 *38600	15090 33270	*13730 *30270	11080 24430	*11380 *25090	8600 18960	*10520 *23190	7760 17110	9.68 (31.8)
0.0 m (0.0 ft)	kg lb					*17570 *38740	14770 32560	*13840 *30510	10840 23900	*11250 *24800	8470 18670	*10560 *23280	7960 17550	9.43 (30.9)
-1.5 m (-4.9 ft)	kg lb			*21200 *46740	*21200 *46740	*16730 *36880	14700 32410	*13270 *29260	10770 23740			*10520 *23190	8570 18890	8.92 (29.3)
-3.0 m (-9.8 ft)	kg lb	*21530 *47470	*21530 *47470	*18490 *40760	*18490 *40760	*14880 *32800	14840 32720	*11660 *25710	10890 24010			*10260 *22620	9860 21740	8.11 (26.6)
-4.5 m (-14.8 ft)	kg lb			*14220 *31350	*14220 *31350	*11400 *25130	*11400 *25130					*9330 *20570	*9330 *20570	6.87 (22.5)

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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		Outtriger	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	4000	10200	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)		10.5 m (34.4 ft)		Capacity		Reach	
																		m (ft)	
9.0 m (29.5 ft)	kg lb																*6130 *13510	*6130 *13510	8.32 (27.3)
7.5 m (24.6 ft)	kg lb											*7640 *16840	*7640 *16840				*5860 *12920	*5860 *12920	9.34 (30.6)
6.0 m (19.7 ft)	kg lb									*10240 *22580	*10240 *22580	*9460 *20860	9450 20830				*5800 *12790	*5800 *12790	10.04 (32.9)
4.5 m (14.8 ft)	kg lb							*13270 *29260	*13270 *29260	*11200 *24690	*11200 *24690	*9930 *21890	9220 20330				*5900 *13010	*5900 *13010	10.47 (34.4)
3.0 m (9.8 ft)	kg lb					*21030 *46360	*21030 *46360	*15220 *33550	*15220 *33550	*12260 *27030	11720 25840	*10490 *23130	8930 19690	*7660 *16890	7020 15480		*6170 *13600	*6170 *13600	10.68 (35.0)
1.5 m (4.9 ft)	kg lb					*21460 *47310	*21460 *47310	*16760 *36950	15440 34040	*13170 *29030	11250 24800	*10990 *24230	8660 19090	*8240 *18170	6890 15190		*6610 *14570	*6610 *14570	10.67 (35.0)
0.0 m (0.0 ft)	kg lb					*20600 *45420	*20600 *45420	*17510 *38600	14920 32890	*13690 *30180	10900 24030	*11230 *24760	8440 18610				*7310 *16120	6840 15080	10.44 (34.3)
-1.5 m (-4.9 ft)	kg lb			*13600 *29980	*13600 *29980	*23140 *51010	22700 50040	*17380 *38320	14670 32340	*13650 *30090	10710 23610	*11040 *24340	8330 18360				*8420 *18560	7240 15960	9.98 (32.8)
-3.0 m (-9.8 ft)	kg lb			*19750 *43540	*19750 *43540	*21210 *46760	*21210 *46760	*16310 *35960	14640 32280	*12850 *28330	10670 23520	*10060 *22180	8350 18410				*9540 *21030	8050 17750	9.26 (30.4)
-4.5 m (-14.8 ft)	kg lb			*23330 *51430	*23330 *51430	*18010 *39710	*18010 *39710	*14090 *31060	*14090 *31060	*10870 *23960	10830 23880						*9300 *20500	*9300 *20500	8.20 (26.9)
-6.0 m (-19.7 ft)	kg lb					*12840 *28310	*12840 *28310	*9830 *21670	*9830 *21670								*8310 *18320	*8310 *18320	6.64 (21.8)

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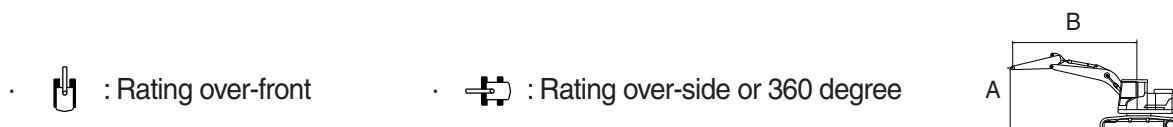
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6550	2400	10200	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									*14250 *31420	*14250 *31420	5.63 (18.5)
7.5 m (24.6 ft)	kg lb					*13510 *29780	*13510 *29780			*12940 *28530	*12940 *28530	7.07 (23.2)
6.0 m (19.7 ft)	kg lb					*14320 *31570	*14320 *31570	*12680 *27950	12390 27320	*12420 *27380	11230 24760	7.97 (26.1)
4.5 m (14.8 ft)	kg lb					*15790 *34810	*15790 *34810	*13220 *29150	12080 26630	*12200 *26900	9950 21940	8.51 (27.9)
3.0 m (9.8 ft)	kg lb					*17280 *38100	16060 35410	*13880 *30600	11710 25820	*12120 *26720	9350 20610	8.76 (28.8)
1.5 m (4.9 ft)	kg lb					*18100 *39900	15510 34190	*14290 *31500	11390 25110	*12100 *26680	9210 20300	8.75 (28.7)
0.0 m (0.0 ft)	kg lb					*17920 *39510	15240 33600	*14100 *31090	11210 24710	*12060 *26590	9540 21030	8.47 (27.8)
-1.5 m (-4.9 ft)	kg lb			*21000 *46300	*21000 *46300	*16630 *36660	15220 33550	*12900 *28440	11210 24710	*11840 *26100	10490 23130	7.90 (25.9)
-3.0 m (-9.8 ft)	kg lb	*19590 *43190	*19590 *43190	*17350 *38250	*17350 *38250	*13800 *30420	*13800 *30420			*11120 *24520	*11120 *24520	6.96 (22.8)

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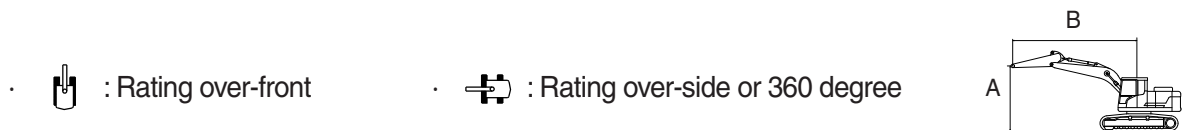
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Make adjustments to the rated load as necessary for non-standard configurations.

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6550	2550	10200	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									*11580 *25530	*11580 *25530	5.97 (19.6)
7.5 m (24.6 ft)	kg lb					*13280 *29280	*13280 *29280			*10460 *23060	*10460 *23060	7.34 (24.1)
6.0 m (19.7 ft)	kg lb					*14150 *31200	*14150 *31200	*12540 *27650	12470 27490	*10050 *22160	*10050 *22160	8.21 (26.9)
4.5 m (14.8 ft)	kg lb			*20790 *45830	*20790 *45830	*15680 *34570	*15680 *34570	*13140 *28970	12170 26830	*10060 *22180	9610 21190	8.74 (28.7)
3.0 m (9.8 ft)	kg lb					*17240 *38010	16220 35760	*13860 *30560	11800 26010	*10410 *22950	9060 19970	8.98 (29.5)
1.5 m (4.9 ft)	kg lb					*18160 *40040	15650 34500	*14330 *31590	11480 25310	*11140 *24560	8940 19710	8.97 (29.4)
0.0 m (0.0 ft)	kg lb			*23480 *51760	*23480 *51760	*18100 *39900	15360 33860	*14230 *31370	11280 24870	*11730 *25860	9250 20390	8.70 (28.5)
-1.5 m (-4.9 ft)	kg lb			*21550 *47510	*21550 *47510	*16920 *37300	15310 33750	*13170 *29030	11260 24820	*11490 *25330	10130 22330	8.15 (26.7)
-3.0 m (-9.8 ft)	kg lb	*20960 *46210	*20960 *46210	*18030 *39750	*18030 *39750	*14280 *31480	*14280 *31480			*10770 *23740	*10770 *23740	7.24 (23.7)

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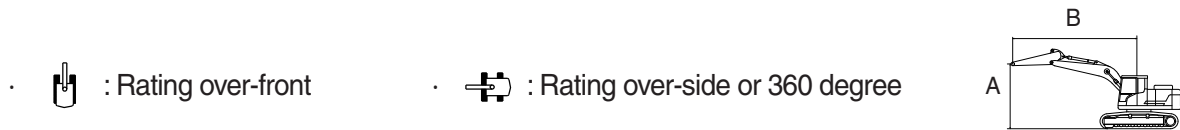
The difference between the weight of a work tool attachment must be subtracted.























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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
HX520A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		9000	6000	11700	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)		10.5 m (34.4 ft)		12.0 m (39.4 ft)		13.5 m (44.3 ft)		Capacity		Reach					
																								m (ft)			
10.5m 34.4ft	kg lb																						*2470 *5450	*2470 *5450	11.66 (38.3)		
9.0m 29.5ft	kg lb															*3820 *8420	*3820 *8420							*2390 *5270	*2390 *5270	12.59 (41.3)	
7.5m 24.6ft	kg lb															*5120 *11290	*5120 *11290							*2370 *5220	*2370 *5220	13.29 (43.6)	
6.0m 19.7ft	kg lb													*6290 *13870	*6290 *13870	*5850 *12900	*5850 *12900	*3310 *7300	*3310 *7300					*2400 *5290	*2400 *5290	13.78 (45.2)	
4.5m 14.8ft	kg lb												*7580 *16710	*7580 *16710	*6730 *14840	*6730 *14840	*6120 *13490	6090 13430	*4370 *9630	*4370 *9630					*2480 *5470	*2480 *5470	14.10 (46.3)
3.0m 9.8ft	kg lb					*18130 *39970	*18130 *39970	*12730 *28060	*12730 *28060	*9970 *21980	*9970 *21980	*8310 *18320	*8310 *18320	*7200 *15870	*7200 *15870	*6420 *14150	5860 12920	*5130 *11310	4770 10520					*2600 *5730	*2600 *5730	14.26 (46.8)	
1.5m 4.9ft	kg lb					*11310 *24930	*11310 *24930	*14320 *31570	*14320 *31570	*10980 *24210	*10980 *24210	*8970 *19780	8740 19270	*7640 *16840	6950 15320	*6700 *14770	5640 12430	*5600 *12350	4640 10230					*2790 *6150	*2790 *6150	14.25 (46.7)	
0.0m 0.0ft	kg lb			*5060 *11160	*5060 *11160	*10410 *22950	*10410 *22950	*15280 *33690	14580 32140	*11710 *25820	10730 23660	*9490 *20920	8330 18360	*7990 *17610	6670 14700	*6920 *15260	5450 12020	*5580 *12300	4510 9940					*3050 *6720	*3050 *6720	14.08 (46.2)	
-1.5m -4.9ft	kg lb	*6080 *13400	*6080 *13400	*7370 *16250	*7370 *16250	*11630 *25640	*11630 *25640	*15600 *34390	14100 31090	*12090 *26650	10330 22770	*9790 *21580	8020 17680	*8190 *18060	6450 14220	*7010 *15450	5300 11680	*4690 *10340	4430 9770					*3410 *7520	*3410 *7520	13.75 (45.1)	
-3.0m -9.8ft	kg lb	*8180 *18030	*8180 *18030	*9750 *21500	*9750 *21500	*13750 *30310	*13750 *30310	*15390 *33930	13900 30640	*12080 *26630	10110 22290	*9820 *21650	7840 17280	*8190 *18060	6310 13910	*6930 *15280	5210 11490							*3920 *8640	*3920 *8640	13.23 (43.4)	
-4.5m -14.8ft	kg lb	*10410 *22950	*10410 *22950	*12320 *27160	*12320 *27160	*16500 *36380	*16500 *36380	*14680 *32360	13880 30600	*11690 *25770	10040 22130	*9540 *21030	7770 17130	*7920 *17460	6260 13800	*6560 *14460	5200 11460							*4690 *10340	*4690 *10340	12.52 (41.1)	
-6.0m -19.7ft	kg lb	*12820 *28260	*12820 *28260	*15190 *33490	*15190 *33490	*17190 *37900	*17190 *37900	*13470 *29700	*13470 *29700	*10840 *23900	10110 22290	*8860 *19530	7810 17220	*7240 *15960	6320 13930									*5960 *13140	5560 12260	11.57 (37.9)	
-7.5m -24.6ft	kg lb			*18520 *40830	*18520 *40830	*14510 *31990	*14510 *31990	*11600 *25570	*11600 *25570	*9400 *20720	*9400 *20720	*7580 *16710												*6050 *13340	*6050 *13340	10.31 (33.8)	
-9.0m -29.5ft	kg lb					*10740 *23680	*10740 *23680	*8780 *19360	*8780 *19360	*7000 *15430	*7000 *15430													*5650 *12460	*5650 *12460	8.60 (28.2)	

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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) HX480A L

(1) 9200 kg counterweight



General bucket



Heavy duty
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO						
	Recommendation											
	SAE Heaped	CECE heaped	Without side cutter			6.55 m (21' 6") Boom		7.06 m (23' 2") Boom			9.00 m (29' 6") Boom	
						2.40 m (7' 10') Arm	2.55 m (8' 4') Arm	2.55 m (8' 4') Arm	2.90 m (9' 6') Arm	3.38 m (11' 1') Arm	4.00 m (13' 1') Arm	6.00 m (19' 8') Arm
General bucket	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	●	●	●	●	●	●	-
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	◐	■	-
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	◐	◐	■	■	▲	▲	-
Heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,320 (5,110)	5	●	●	●	●	◐	■	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,630 (5,800)	5	◐	◐	■	■	▲	▲	-
Rock heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	◐	◐	-	-
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	●	◐	◐	■	-	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	◐	◐	■	■	▲	-	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	6	■	■	▲	▲	X	-	-

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

※ 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.

(2) 9700 kg counterweight



General bucket



Heavy duty
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO					
	Recommendation										
	SAE Heaped	CECE heaped	Without side cutter			6.55 m (21' 6") Boom	7.06 m (23' 2") Boom				
							2.40 m (7' 10") Arm	2.55 m (8' 4") Arm	2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	3.38 m (11' 1") Arm
m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA							
General bucket	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	●	●	●	●	●	●
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	●	◐
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	◐	◐	■	■	▲	▲
Heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,320 (5,110)	5	●	●	●	●	◐	■
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,630 (5,800)	5	●	◐	■	■	■	▲
Rock heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	●	◐	-
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	●	◐	◐	■	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	●	◐	■	■	▲	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	6	■	■	▲	▲	▲	-

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

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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.

(3) 10200 kg counterweight



General bucket



Heavy duty
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO						
			Without side cutter			Recommendation						
	SAE	CECE				6.55 m (21' 6") Boom		7.06 m (23' 2") Boom				9.00 m (29' 6") Boom
	Heaped	heaped				2.40 m (7' 10") Arm	2.55 m (8' 4") Arm	2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	3.38 m (11' 1") Arm	4.00 m (13' 1") Arm	6.00 m (19' 8") Arm
	m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA							
General bucket	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	●	●	●	●	●	●	▲
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	●	◐	X
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	●	◐	■	■	■	▲	X
Heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,320 (5,110)	5	●	●	●	●	●	◐	X
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,630 (5,800)	5	●	●	◐	■	■	▲	X
Rock heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	●	◐	-	X
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	●	●	◐	◐	-	X
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	●	◐	■	■	■	-	X
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	6	◐	■	■	▲	▲	-	X

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

※ These recommendations are for general conditions and average use.

Work tools and ground conditions have effects on machine performance.

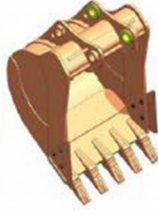
Select an optimum combination according to the working conditions and the type of work that is being done.

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

(4) 10700 kg counterweight



General bucket



Heavy duty
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO						
						Recommendation						
	SAE	CECE	Without			6.55 m		7.06 m				9.00 m
	Heaped	heaped	side			21' 6"		23' 2"				29' 6"
			cutter			Boom		Boom				Boom
	m ³ (yd ³)	m ³ (yd ³)	mm (in)	kg (lb)	EA	2.40 m (7' 10") Arm	2.55 m (8' 4") Arm	2.55 m (8' 4") Arm	2.90 m (9' 6") Arm	3.38 m (11' 1") Arm	4.00 m (13' 1") Arm	6.00 m (19' 8") Arm
General bucket	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	●	●	●	●	●	●	■
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	●	●	X
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	●	●	●	■	■	▲	X
Heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,320 (5,110)	5	●	●	●	●	●	●	X
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,630 (5,800)	5	●	●	●	●	■	▲	X
Rock heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	●	●	-	X
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	●	●	●	●	-	X
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	●	●	●	■	■	-	X
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	6	●	●	■	▲	▲	-	X

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

※ 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.

(5) 11700 kg counterweight



General bucket



Heavy duty
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO						
			Recommendation									
	SAE	CECE	Without side cutter			6.55 m (21' 6") Boom		7.06 m (23' 2") Boom				9.00 m (29' 6") Boom
	Heaped	heaped										
	m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA	2.40 m (7' 10') Arm	2.55 m (8' 4') Arm	2.55 m (8' 4') Arm	2.90 m (9' 6') Arm	3.38 m (11' 1') Arm	4.00 m (13' 1') Arm	6.00 m (19' 8') Arm
General bucket	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	●	●	●	●	●	●	■
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	●	●	X
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	●	●	◐	◐	■	■	X
Heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,320 (5,110)	5	●	●	●	●	●	●	X
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,630 (5,800)	5	●	●	◐	◐	◐	■	X
Rock heavy duty	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	●	●	-	X
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	●	●	●	◐	-	X
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	●	●	◐	◐	■	-	X
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	6	◐	◐	■	■	▲	-	X

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

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

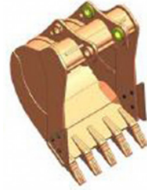
Consult with your local HD Hyundai Construction Equipment dealer for information on selecting the correct boom—arm—bucket combination.

2) HX520A L

(1) 10200 kg counterweight



General bucket



Heavy duty
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO						
	SAE Heaped	CECE heaped	Without side cutter			Recommendation						
						6.55 m (21' 6") Boom		7.06 m (23' 2") Boom				9.00 m (29' 6") Boom
						2.40 m (7' 10') Arm	2.55 m (8' 4') Arm	2.55 m (8' 4') Arm	2.90 m (9' 6') Arm	3.38 m (11' 1') Arm	4.00 m (13' 1') Arm	6.00 m (19' 8') Arm
General bucket	1.00 (1.31)	0.90 (1.18)	950 (37.4")	1,450 (3,200)	3	●	●	●	●	●	●	●
	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	●	●	●	●	●	●	■
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	●	●	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,300 (5,070)	5	●	●	●	◐	◐	■	-
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	●	●	◐	◐	■	■	-
Heavy duty	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,450 (5,400)	5	●	●	●	●	●	◐	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	2,870 (6,330)	6	●	◐	■	■	■	▲	-
Rock heavy duty	1.81 (2.37)	1.50 (1.96)	1,460 (57.5")	2,650 (5,840)	4	●	●	●	●	●	-	-
	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	●	●	-	-
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	●	●	●	◐	-	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	●	●	◐	◐	■	-	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	6	◐	◐	■	■	▲	-	-
	2.70 (3.53)	2.39 (3.13)	1,755 (69.1")	2,770 (6,110)	5	●	●	●	◐	◐	-	-
	3.00 (3.92)	2.76 (3.61)	1,950 (76.8")	3,040 (6,770)	6	●	◐	◐	■	■	-	-

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

※ 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.

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(2) 10700 kg counterweight



General bucket



Heavy duty
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO						
	SAE Heaped	CECE heaped	Without side cutter			Recommendation						
						6.55 m (21' 6") Boom		7.06 m (23' 2") Boom				9.00 m (29' 6") Boom
						2.40 m (7' 10') Arm	2.55 m (8' 4') Arm	2.55 m (8' 4') Arm	2.90 m (9' 6') Arm	3.38 m (11' 1') Arm	4.00 m (13' 1') Arm	6.00 m (19' 8') Arm
General bucket	1.00 (1.31)	0.90 (1.18)	950 (37.4")	1,450 (3,200)	3	●	●	●	●	●	●	●
	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	●	●	●	●	●	●	■
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	●	●	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,300 (5,070)	5	●	●	●	●	◐	■	-
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	●	●	◐	◐	■	■	-
Heavy duty	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,450 (5,400)	5	●	●	●	●	●	◐	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	2,870 (6,330)	6	●	◐	◐	■	■	▲	-
Rock heavy duty	1.81 (2.37)	1.50 (1.96)	1,460 (57.5")	2,650 (5,840)	4	●	●	●	●	●	-	-
	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	●	●	-	-
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	●	●	●	●	-	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	●	●	◐	◐	■	-	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	6	●	◐	■	■	■	-	-
	2.70 (3.53)	2.39 (3.13)	1,755 (69.1")	2,770 (6,110)	5	●	●	●	◐	◐	-	-
	3.00 (3.92)	2.76 (3.61)	1,950 (76.8")	3,040 (6,770)	6	●	●	◐	■	■	-	-

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▲	Applicable for materials with density of 1200 kg/m ³ (2000 lb/yd ³) or less
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-	Not available

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

(3) 11700 kg counterweight



General bucket



Heavy duty
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO						
	SAE Heaped	CECE heaped	Without side cutter			Recommendation						
						6.55 m (21' 6") Boom		7.06 m (23' 2") Boom				9.00 m (29' 6") Boom
						2.40 m (7' 10') Arm	2.55 m (8' 4') Arm	2.55 m (8' 4') Arm	2.90 m (9' 6') Arm	3.38 m (11' 1') Arm	4.00 m (13' 1') Arm	6.00 m (19' 8') Arm
General bucket	1.00 (1.31)	0.90 (1.18)	950 (37.4")	1,450 (3,200)	3	●	●	●	●	●	●	●
	1.38 (1.80)	1.24 (1.62)	1,135 (44.7")	1,670 (3,680)	4	●	●	●	●	●	●	◐
	2.20 (2.88)	1.93 (2.52)	1,575 (62.0")	2,030 (4,480)	5	●	●	●	●	●	●	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,300 (5,070)	5	●	●	●	●	◐	◐	-
	3.00 (3.92)	2.70 (3.53)	1,905 (75.0")	2,460 (5,420)	6	●	●	●	◐	◐	■	-
Heavy duty	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,450 (5,400)	5	●	●	●	●	●	◐	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	2,870 (6,330)	6	●	●	◐	◐	■	■	-
Rock heavy duty	1.81 (2.37)	1.50 (1.96)	1,460 (57.5")	2,650 (5,840)	4	●	●	●	●	●	-	-
	2.20 (2.88)	1.93 (2.52)	1,605 (63.2")	2,610 (5,750)	5	●	●	●	●	●	-	-
	2.43 (3.18)	2.11 (2.76)	1,750 (68.9")	2,730 (6,020)	5	●	●	●	●	●	-	-
	2.79 (3.65)	2.47 (3.23)	1,785 (70.3")	2,950 (6,500)	5	●	●	●	●	◐	-	-
	3.20 (4.19)	2.82 (3.69)	1,995 (78.5")	3,230 (7,120)	6	●	●	◐	■	■	-	-
	2.70 (3.53)	2.39 (3.13)	1,755 (69.1")	2,770 (6,110)	5	●	●	●	●	◐	-	-
	3.00 (3.92)	2.76 (3.61)	1,950 (76.8")	3,040 (6,770)	6	●	●	◐	◐	■	-	-

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

※ 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)	600	(24)	700	(28)
HX480A L	Operating weight	kg	(lb)	50420	111160	50940	112300	51470	113470	51978	114590	50452	111230	50982	112400
	Ground pressure	kgf/cm ²	(psi)	0.88	12.5	0.76	10.8	0.67	9.5	0.60	8.6	0.88	12.5	0.76	10.8
	Overall width	mm	(ft-in)	3340	10' 11"	3440	11' 3"	3540	11' 7"	3640	11' 11"	3340	10' 11"	3440	11' 3"
	Link quantity	EA		53		53		53		53		53		53	
HX520A L	Operating weight	kg	(lb)	51467	113470	51987	114610	52517	115780	53025	116900	51499	113540	52029	114700
	Ground pressure	kgf/cm ²	(psi)	0.89	12.7	0.77	11.0	0.68	9.7	0.61	8.7	0.89	12.7	0.77	11.0
	Overall width	mm	(ft-in)	3540	11' 7"	3640	11' 11"	3740	12' 3"	3840	12' 7"	3540	11' 7"	3640	11' 11"
	Link quantity	EA		53		53		53		53		53		53	

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
800 mm triple grouser	Option	C
900 mm triple grouser	Option	C
600 mm double grouser	Option	A
700 mm double grouser	Option	B

Table 2

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

8. SPECIFICATIONS FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Maker / Model	CUMMINS / X12
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	132 × 144 mm (5.2" × 5.67")
Displacement	11.8 ℓ (720 cu in)
Compression ratio	17 : 1
Gross power	400 Hp (298 kW) at 2100 rpm
Net power	395 Hp (295 kW) at 2100 rpm
Max. power	402 Hp (300 kW) at 1800 rpm
Peak Torque	1898 N·m (1400 lbf·ft) at 1400 rpm
Engine oil quantity	34 ℓ (9 U.S. gal)
Wet weight	860 kg (1896 lb)
Starter motor	24 V-7.5 kW
Alternator	24 V-110 A

2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 225 cc/rev
Maximum pressure	330 kgf/cm ² (4690 psi) [360 kgf/cm ² (5120 psi)]
Rated oil flow	2 × 394 ℓ /min (104 U.S. gpm/86.7 U.K. gpm)
Rated speed	1750 rpm

[] : Power boost

3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	13.7 cc/rev
Maximum pressure	40 kgf/cm ² (570 psi)
Rated oil flow	23.5 ℓ /min (6.3 U.S. gpm/5.3 U.K. gpm)

4) MAIN CONTROL VALVE

Item		Specification
Type		9 spools
Operating method		Hydraulic pilot system
Main relief valve pressure		330 kgf/cm² (4690 psi) [360 kgf/cm² (5120 psi)]
Port relief valve pressure	Boom	400 kgf/cm² (5690 psi)
	Arm	400 kgf/cm² (5690 psi)
	Bucket	400 kgf/cm² (5690 psi)

[] : Power boost

5) SWING MOTOR

Item		Specification
Type		Axial piston motor
Capacity		142.8 cc/rev
Relief pressure		285 kgf/cm² (4054 psi)
Braking system		Automatic, spring applied hydraulic released
Braking torque		63 kgf · m (456 lbf ·ft) over
Brake release pressure	Cranking	20.9~35.5 kgf · m (151~257 lbf ·ft)
	Full stroke	20.9~35.5 kgf · m (151~257 lbf ·ft)
Reduction gear type		2 - stage planetary

6) TRAVEL MOTOR (Type 1, 2)

Item	Specification
Type	Variable displacement axial piston motor
Capacity	281.7/175.9 cc/rev
Relief pressure	360 kgf/cm ² (5120 psi)
Braking system	Auto matic, spring applied hydraulic released
Braking torque	119.7 kgf · m (866 lbf · ft)
Brake release pressure	11.3~15.7 kgf/cm ² (161~223 psi)
Reduction gear type	2-stage planetary

7) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Stroke	Ø 170 × 1580 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Stroke	Ø 190 × 1820 mm
	Cushion	Extend and retract
Bucket cylinder (HX480A L)	Bore dia × Stroke	Ø 160 × 1370 mm
	Cushion	Extend only
Bucket cylinder (HX520A L)	Bore dia × Stroke	Ø 170 × 1370 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	34.0 (9.0)	★SAE 5W-40									
							SAE 30					
						SAE 10W						
					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	7.0 (1.8) × 2	★SAE 75W-90									
Final drive		12.0 (3.0) × 2			SAE 80W-90							
Hydraulic tank	Hydraulic oil	Tank : 275 (72.6)	★ISO VG 15									
				ISO VG 32								
		System : 499 (132)			ISO VG 46, HBHO VG 46★ ³							
					ISO VG 68							
Fuel tank	Diesel fuel★ ¹	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★ ²	43.0 (11.4)	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)

★¹ : Ultra low sulfur diesel
- sulfur content ≤ 15 ppm

★² : Soft water
City water or distilled water

★³ : 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.