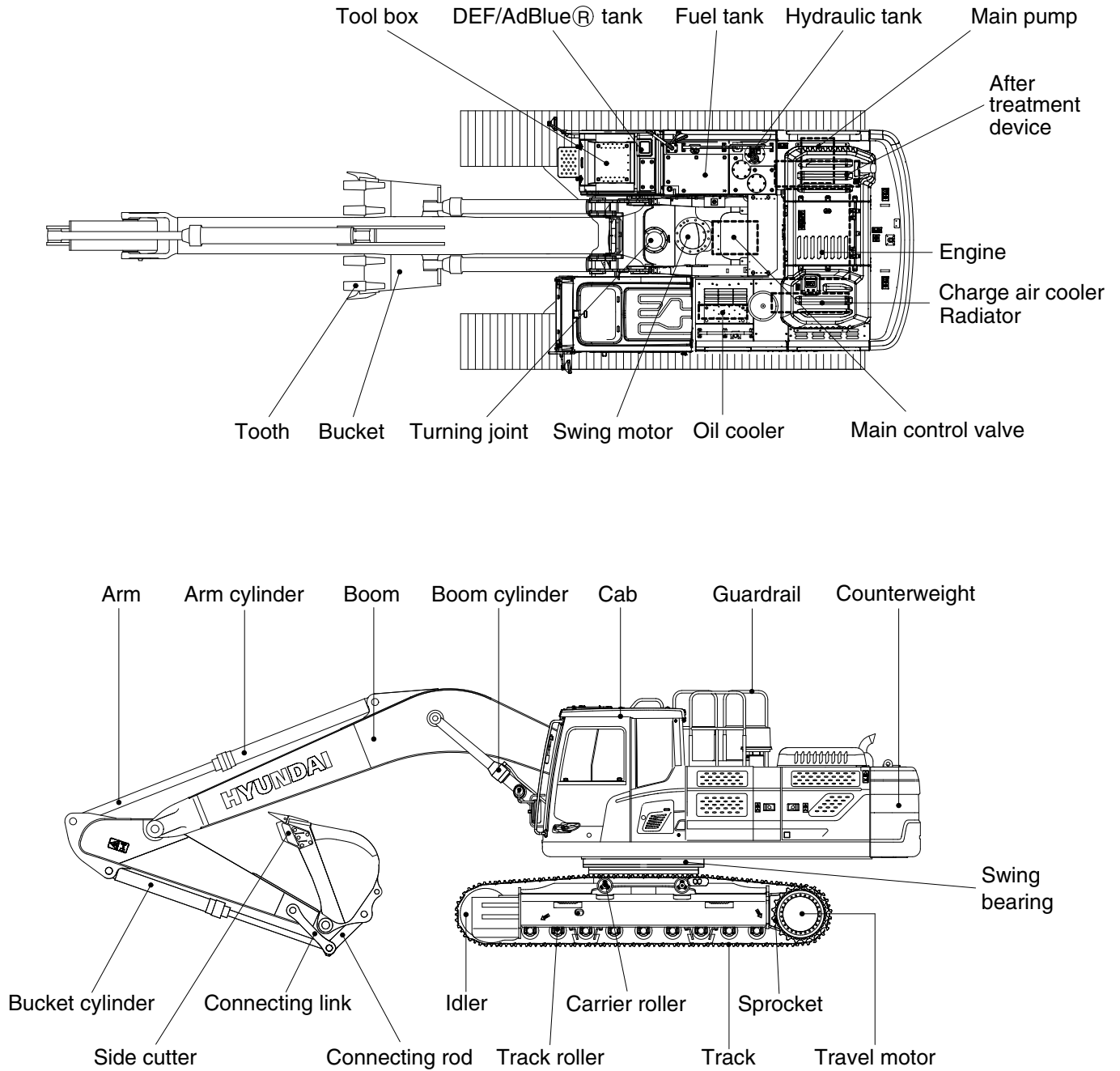


SPECIFICATIONS

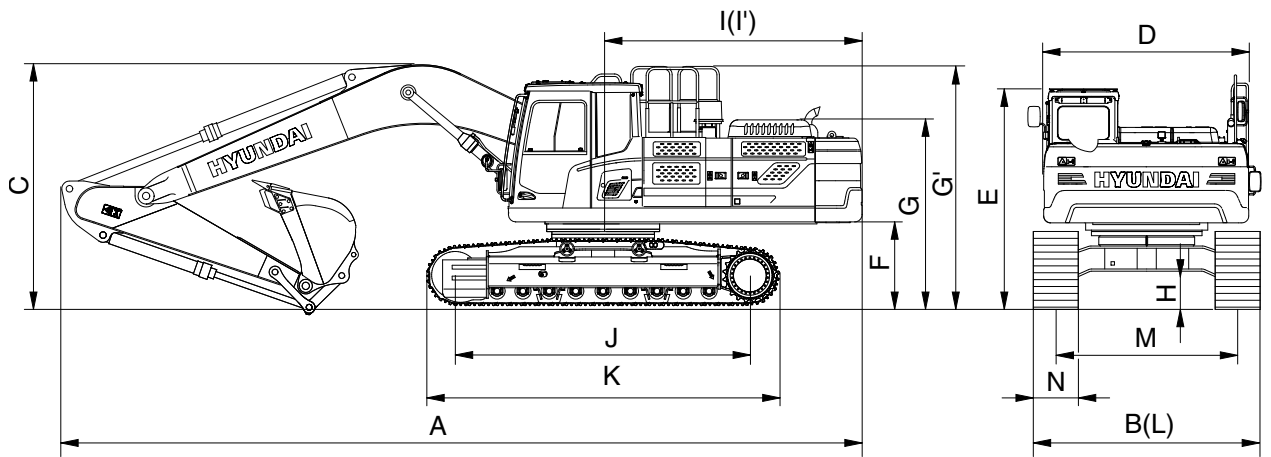
1. MAJOR COMPONENT



380A2SP01A

2. SPECIFICATIONS

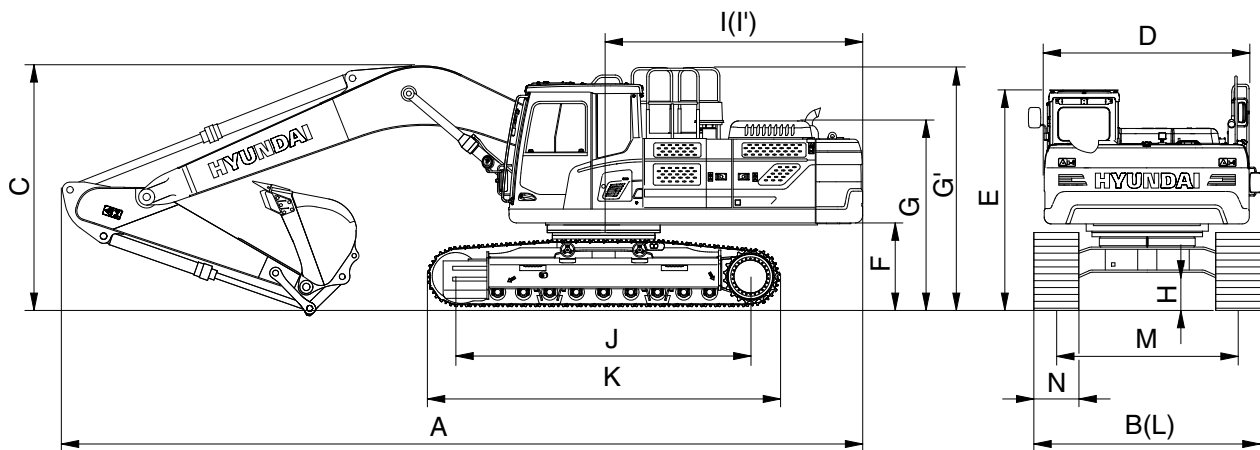
1) HX380A L, MONO BOOM (1/2)



380A2SP02

Description		Unit		Specification			
		m (ft-in)	Boom	6.50 (21' 4")			
			Arm	3.20 (10' 6")	3.20 (10' 6")	3.90 (12' 10")	2.50 (8' 2")
		mm (in)	Shoe	800 (32)	600 (24)		
Operating weight		kg (lb)		40000 (88000)	39100 (86020)	39200 (86240)	38960 (85712)
Bucket capacity (SAE heaped), standard		m³ (yd³)		1.62 (2.10)	1.62 (2.10)	1.62 (2.10)	1.62 (2.10)
Overall length	A	mm (ft-in)		11400 (37' 5")	11400 (37' 5")	11400 (37' 5")	11450 (37' 7")
Overall width	B			3540 (11' 7")	3340 (9' 10")	3340 (9' 10")	3340 (9' 10")
Overall height of boom	C			3630 (11' 11")	3630 (11' 11")	3740 (12' 3")	3740 (12' 3")
Superstructure width	D			2980 (9' 8")	2980 (9' 8")	2980 (9' 8")	2980 (9' 8")
Overall height of cab	E			3240 (10' 6")	3240 (10' 6")	3240 (10' 6")	3240 (10' 6")
Ground clearance of counterweight	F			1295 (4' 3")	1295 (4' 3")	1295 (4' 3")	1295 (4' 3")
Overall height of engine hood	G			2830 (9' 3")	2830 (9' 3")	2830 (9' 3")	2830 (9' 3")
Overall height of guardrail	G'			3470 (11' 5")	3470 (11' 5")	3470 (11' 5")	3470 (11' 5")
Minimum ground clearance	H			550 (1' 10")	550 (1' 10")	550 (1' 10")	550 (1' 10")
Rear-end distance	I			3555 (11' 8")	3555 (11' 8")	3555 (11' 8")	3555 (11' 8")
Rear-end swing radius	I'			3620 (11' 11")	3620 (11' 11")	3620 (11' 11")	3620 (11' 11")
Distance between tumblers	J			4340 (14' 3")	4340 (14' 3")	4340 (14' 3")	4340 (14' 3")
Undercarriage length	K			5270 (17' 3")	5270 (17' 3")	5270 (17' 3")	5270 (17' 3")
Undercarriage width	L			3540 (11' 7")	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			800 (32")	600 (24")	600 (24")	600 (24")
Travel speed (low/high)		km/hr (mph)		3.5/5.7 (2.2/3.5)	3.5/5.7 (2.2/3.5)	3.5/5.7 (2.2/3.5)	3.5/5.7 (2.2/3.5)
Swing speed		rpm		10.4	10.4	10.4	10.4
Gradeability		Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure		kgf/cm² (psi)		0.54 (7.65)	0.70 (9.97)	0.70 (10.0)	0.70 (9.93)
Max traction force		kg (lb)		32517 (71688)	32517 (71688)	32517 (71688)	32517 (71688)

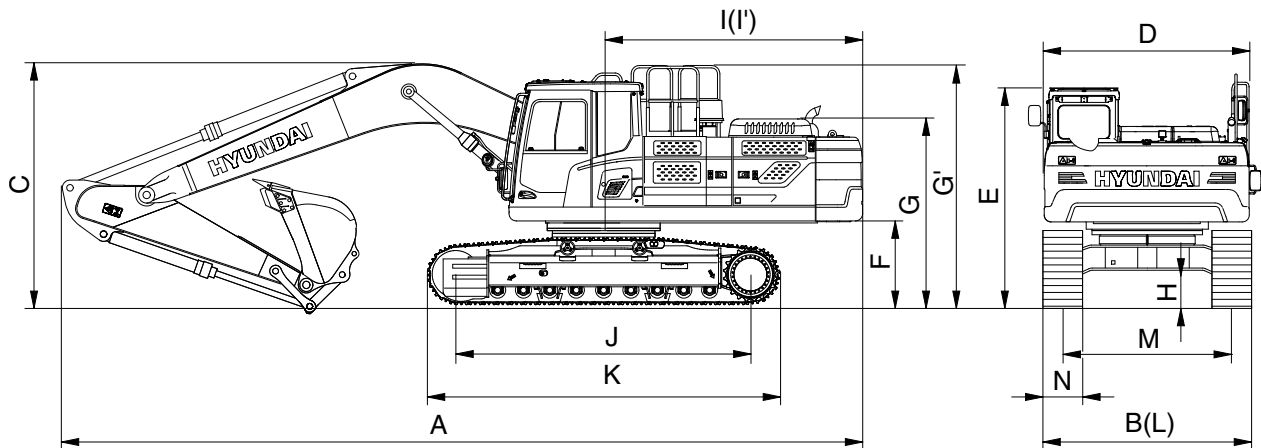
HX380A L, MONO BOOM (2/2)



380A2SP02

Description		Unit		Specification
		m (ft-in)	Boom	6.15 (20' 2")
			Arm	2.50 (8' 2")
		mm (in)	Shoe	600 (24)
Operating weight		kg (lb)		38860 (85492)
Bucket capacity (SAE heaped), standard		m³ (yd³)		1.62 (2.10)
Overall length	A	mm (ft-in)		11100 (36' 5")
Overall width	B			3340 (9' 10")
Overall height of boom	C			3830 (12' 7")
Superstructure width	D			2980 (9' 8")
Overall height of cab	E			3240 (10' 6")
Ground clearance of counterweight	F			1295 (4' 3")
Overall height of engine hood	G			2830 (9' 3")
Overall height of guardrail	G'			3470 (11' 5")
Minimum ground clearance	H			550 (1' 10")
Rear-end distance	I			3555 (11' 8")
Rear-end swing radius	I'			3620 (11' 11")
Distance between tumblers	J			4340 (14' 3")
Undercarriage length	K			5270 (17' 3")
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)		3.5/5.7 (2.2/3.5)
Swing speed		rpm		10.4
Gradeability		Degree (%)		35 (70)
Ground pressure		kgf/cm² (psi)		0.70 (9.91)
Max traction force		kg (lb)		32517 (71688)

2) HX380A NL, MONO BOOM

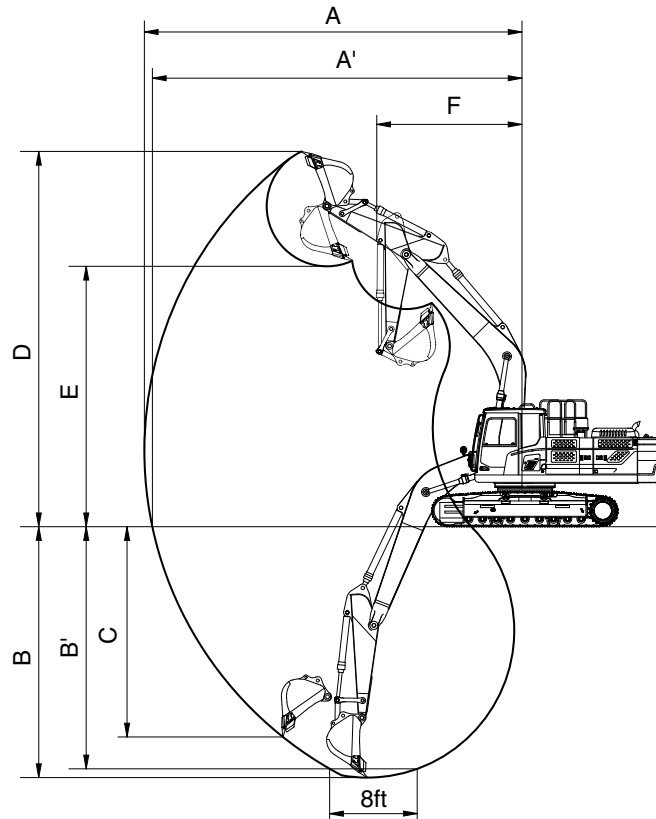


380A2SP03

Description	Unit		Specification			
	m (ft-in)	Boom	6.50 (21' 4")			6.15 (20' 2")
		Arm	3.20 (10' 6")	3.90 (12' 10")	2.50 (8' 2")	2.50 (8' 2")
	mm (in)	Shoe	600 (24)			
Operating weight	kg (lb)		38890 (85558)	38990 (85778)	38750 (85250)	38650 (85030)
Bucket capacity (SAE heaped), standard	m ³ (yd ³)		1.62 (2.10)	1.62 (2.10)	1.62 (2.10)	1.62 (2.10)
Overall length	A	mm (ft-in)	11400 (37' 5")	11400 (37' 5")	11450 (37' 7")	11100 (36' 5")
Overall width	B		2990 (9' 10")	2990 (9' 10")	2990 (9' 10")	2990 (9' 10")
Overall height of boom	C		3630 (11' 11")	3740 (12' 3")	3740 (12' 3")	3830 (12' 7")
Superstructure width	D		2980 (9' 8")	2980 (9' 8")	2980 (9' 8")	2980 (9' 8")
Overall height of cab	E		3240 (10' 6")	3240 (10' 6")	3240 (10' 6")	3240 (10' 6")
Ground clearance of counterweight	F		1295 (4' 3")	1295 (4' 3")	1295 (4' 3")	1295 (4' 3")
Overall height of engine hood	G		2830 (9' 3")	2830 (9' 3")	2830 (9' 3")	2830 (9' 3")
Overall height of guardrail	G'		3470 (11' 5")	3470 (11' 5")	3470 (11' 5")	3470 (11' 5")
Minimum ground clearance	H		550 (1' 10")	550 (1' 10")	550 (1' 10")	550 (1' 10")
Rear-end distance	I		3555 (11' 8")	3555 (11' 8")	3555 (11' 8")	3555 (11' 8")
Rear-end swing radius	I'		3620 (11' 11")	3620 (11' 11")	3620 (11' 11")	3620 (11' 11")
Distance between tumblers	J		4340 (14' 3")	4340 (14' 3")	4340 (14' 3")	4340 (14' 3")
Undercarriage length	K		5270 (17' 3")	5270 (17' 3")	5270 (17' 3")	5270 (17' 3")
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)		3.5/5.7 (2.2/3.5)	3.5/5.7 (2.2/3.5)	3.5/5.7 (2.2/3.5)	3.5/5.7 (2.2/3.5)
Swing speed	rpm		10.4	10.4	10.4	10.4
Gradeability	Degree (%)		35 (70)	35 (70)	35 (70)	35 (70)
Ground pressure	kgf/cm ² (psi)		0.70 (9.92)	0.70 (9.94)	0.70 (9.88)	0.69 (9.86)
Max traction force	kg (lb)		32517 (71688)	32517 (71688)	32517 (71688)	32517 (71688)

3. WORKING RANGE AND DIGGING FORCE

1) HX380A L/NL, MONO BOOM



380A2SP05

Description	m (ft-in)	Boom	6.15 (20' 2")			
		Arm	2.50 (8' 2")	2.50 (8' 2")	3.20 (10' 6")	3.90 (12' 10")
Max digging reach	mm (ft-in)	A	10300 (33' 10")	10650 (34' 11")	11160 (36' 7")	11820 (38' 9")
Max digging reach on ground		A'	10060 (33' 0")	10410 (34' 2")	10930 (35' 10")	11620 (38' 1")
Max digging depth		B	6560 (21' 6")	6820 (22' 5")	7520 (24' 8")	8220 (27' 0")
Max digging depth (8 ft level)		B'	6380 (20' 11")	6640 (21' 9")	7360 (24' 2")	8080 (26' 6")
Max vertical wall digging depth		C	4780 (15' 8")	5030 (16' 6")	5480 (18' 0")	6300 (20' 8")
Max digging height		D	10000 (32' 10")	10330 (33' 11")	10270 (33' 8")	10610 (34' 10")
Max dumping height		E	6870 (22' 6")	7190 (23' 7")	7190 (23' 7")	7500 (24' 7")
Min swing radius		F	4310 (14' 2")	4490 (14' 9")	4490 (14' 9")	4350 (14' 3")
Bucket digging force	kN	SAE	228.5 [249.3]	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]
	kgf		23300 [25420]	20500 [22360]	20500 [22360]	20500 [22360]
	lbf		51370 [56040]	45190 [49300]	45190 [49300]	45190 [49300]
	kN	ISO	259.9 [283.5]	228.5 [249.3]	228.5 [249.3]	228.5 [249.3]
	kgf		26500 [28910]	23300 [25420]	23300 [25420]	23300 [25420]
	lbf		58420 [63740]	51370 [56040]	51370 [56040]	51370 [56040]
Arm digging force	kN	SAE	192.2 [209.7]	192.2 [209.7]	160.8 [175.4]	137.3 [149.7]
	kgf		19600 [21380]	19600 [21380]	16400 [17890]	14000 [15270]
	lbf		43210 [47130]	43210 [47130]	36160 [39440]	30860 [33660]
	kN	ISO	200.1 [218.2]	200.1 [218.2]	165.7 [180.8]	141.2 [154.1]
	kgf		20400 [22250]	20400 [22250]	16900 [18440]	14400 [15710]
	lbf		44970 [49050]	44970 [49050]	37260 [40650]	31750 [34630]

[] : Power boost

4. WEIGHT

Item	HX380A L		HX380A NL	
	kg	lb	kg	lb
Upperstructure assembly				
· Main frame weld assembly	3,130	6,900	3,130	6,900
· Engine assembly	778	1,715	778	1,715
· Aftertreatment assembly	93	205	93	205
· Main pump assembly	170	375	170	375
· Main control valve assembly	380	838	380	838
· Swing motor assembly	440	970	440	970
· Hydraulic oil tank WA	410	904	410	904
· Fuel tank WA	340	750	340	750
· Counterweight	6,500	14,330	6,500	14,330
· Cab assembly	980	2,161	980	2,161
Lower chassis assembly				
· Track frame weld assembly	5,150	11,354	4,940	10,891
· Swing bearing	547	1,206	547	1,206
· Travel motor assembly (2EA)	760	1,675	760	1,675
· Turning joint	50	110	50	110
· Sprocket (2EA)	170	375	170	375
· Track recoil spring (2EA)	455	1,004	455	1,004
· Idler (2EA)	522	1,146	520	1,146
· Upper roller (2EA)	160	353	160	353
· Lower roller (18EA)	1,431	3,155	1,431	3,155
· Track-chain assembly (600 mm triple grouser shoe) (2EA)	4,723	10,413	4,723	10,413
· Track-chain assembly (800 mm triple grouser shoe) (2EA)	5,621	12,392	-	-
Front attachment assembly				
· 6.50 m boom assembly	3,150	6,944	3,150	6,944
· 3.20 m arm assembly	1,450	3,197	1,450	3,197
· 1.62 m³ SAE heaped bucket	1,470	3,241	1,470	3,241
· Boom cylinder assembly (2EA)	720	1,587	720	1,587
· Arm cylinder assembly	450	992	450	992
· Bucket cylinder assembly	300	661	300	661
· Bucket control linkage total	360	794	360	794

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

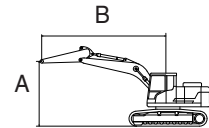
※ Refer to Transportation for actual weight information and Specifications for operating weight.















5. LIFTING CAPACITIES

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtrigger	
HX380A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6500	3200	6500	600	-	-	-	-	-

 : Rating over-front

 : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)												At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
7.5 m	kg									*7790	*7790			*7050	*7050	7.80
(24.6 ft)	lb									*17170	*17170			*15540	*15540	(25.6)
6.0 m	kg									*8000	*8000			*6910	6290	8.64
(19.7 ft)	lb									*17640	*17640			*15230	13870	(28.4)
4.5 m	kg					*12530	*12530	*9960	*9960	*8720	7770	*8150	5760	*7020	5580	9.17
(14.8 ft)	lb					*27620	*27620	*21960	*21960	*19220	17130	*17970	12700	*15480	12300	(30.1)
3.0 m	kg					*16270	15710	*11750	10320	*9660	7420	*8570	5600	*7360	5200	9.42
(9.8 ft)	lb					*35870	34630	*25900	22750	*21300	16360	*18890	12350	*16230	11460	(30.9)
1.5 m	kg					*17950	14680	*13320	9750	*10570	7110	8960	5440	*7970	5070	9.43
(4.9 ft)	lb					*39570	32360	*29370	21500	*23300	15670	19750	11990	*17570	11180	(30.9)
0.0 m	kg					*18930	14280	*14290	9390	*11200	6880	8840	5330	8580	5180	9.19
(0.0 ft)	lb					*41730	31480	*31500	20700	*24690	15170	19490	11750	18920	11420	(30.1)
-1.5 m	kg			*12410	*12410	*19670	14220	*14520	9260	*11370	6780			9280	5580	8.68
(-4.9 ft)	lb			*27360	*27360	*43360	31350	*32010	20410	*25070	14950			20460	12300	(28.5)
-3.0 m	kg	*15020	*15020	*20150	*20150	*18480	14370	*13910	9310	*10750	6850			*10070	6460	7.85
(-9.8 ft)	lb	*33110	*33110	*44420	*44420	*40740	31680	*30670	20530	*23700	15100			*22200	14240	(25.7)
-4.5 m	kg			*21800	*21800	*15950	14760	*11940	9590					*10520	8480	6.57
(-14.8 ft)	lb			*48060	*48060	*35160	32540	*26320	21140					*23190	18700	(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.

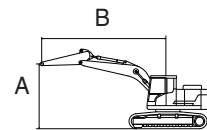
Consult with your local HD Hyundai Construction Equipment dealer regarding the lifting capacities for specific work tools and attachments.











▲ 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		Outtriger	
HX380A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6500	2500	6500	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									*8970 *19780	8610 18980	7.16 (23.5)
6.0 m (19.7 ft)	kg lb					*9570 *21100	*9570 *21100	*8920 *19670	7920 17460	*8920 *19670	6950 15320	8.08 (26.5)
4.5 m (14.8 ft)	kg lb			*14460 *31880	*14460 *31880	*11020 *24290	10780 23770	*9500 *20940	7680 16930	*9030 *19910	6110 13470	8.64 (28.3)
3.0 m (9.8 ft)	kg lb					*12690 *27980	10160 22400	*10330 *22770	7380 16270	*9240 *20370	5680 12520	8.91 (29.2)
1.5 m (4.9 ft)	kg lb					*14020 *30910	9690 21360	*11090 *24450	7110 15670	9120 20110	5560 12260	8.91 (29.2)
0.0 m (0.0 ft)	kg lb			*14720 *32450	14400 31750	*14660 *32320	9450 20830	*11510 *25380	6950 15320	9450 20830	5730 12630	8.66 (28.4)
-1.5 m (-4.9 ft)	kg lb			*19240 *42420	14470 31900	*14510 *31990	9400 20720	*11360 *25040	6920 15260	*10230 *22550	6260 13800	8.12 (26.6)
-3.0 m (-9.8 ft)	kg lb	*22870 *50420	*22870 *50420	*17520 *38620	14710 32430	*13390 *29520	9540 21030			*10550 *23260	7460 16450	7.22 (23.7)
-4.5 m (-14.8 ft)	kg lb			*14070 *31020	*14070 *31020					*10500 *23150	10480 23100	5.80 (19.0)

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.

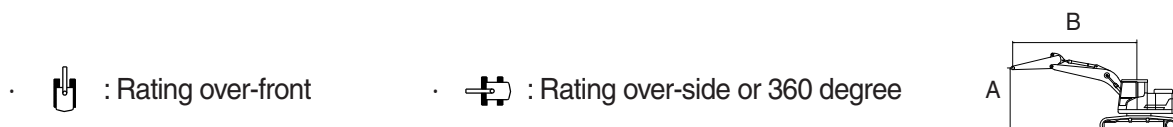
Lifting capacities will vary with different work tools, ground conditions and attachments.















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

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		Outtriger	
HX380A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6500	3900	6500	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													*5580	*5580	7.43
	lb													*12300	*12300	(24.4)
7.5 m (24.6 ft)	kg									*6800	*6800			*5240	*5240	8.59
	lb									*14990	*14990			*11550	*11550	(28.2)
6.0 m (19.7 ft)	kg									*7180	*7180	*6500	6030	*5130	*5130	9.36
	lb									*15830	*15830	*14330	13290	*11310	*11310	(30.7)
4.5 m (14.8 ft)	kg							*8930	*8930	*7990	7950	*7510	5900	*5200	5030	9.85
	lb							*19690	*19690	*17610	17530	*16560	13010	*11460	11090	(32.3)
3.0 m (9.8 ft)	kg					*14540	*14540	*10830	10620	*9040	7580	*8060	5700	*5420	4720	10.08
	lb					*32060	*32060	*23880	23410	*19930	16710	*17770	12570	*11950	10410	(33.1)
1.5 m (4.9 ft)	kg					*17770	15140	*12620	9970	*10080	7230	*8650	5500	*5810	4600	10.09
	lb					*39180	33380	*27820	21980	*22220	15940	*19070	12130	*12810	10140	(33.1)
0.0 m (0.0 ft)	kg			*7060	*7060	*19500	14470	*13900	9520	*10910	6950	8860	5350	*6450	4670	9.87
	lb			*15560	*15560	*42990	31900	*30640	20990	*24050	15320	19530	11790	*14220	10300	(32.4)
-1.5 m (-4.9 ft)	kg	*7760	*7760	*11450	*11450	*19920	14240	*14490	9290	*11330	6790	8770	5270	*7490	4970	9.39
	lb	*17110	*17110	*25240	*25240	*43920	31390	*31940	20480	*24980	14970	19330	11620	*16510	10960	(30.8)
-3.0 m (-9.8 ft)	kg	*12390	*12390	*16990	*16990	*19280	14280	*14310	9250	*11160	6760			*9290	5610	8.63
	lb	*27320	*27320	*37460	*37460	*42510	31480	*31550	20390	*24600	14900			*20480	12370	(28.3)
-4.5 m (-14.8 ft)	kg	*17960	*17960	*24770	*24770	*17460	14540	*13090	9410					*9810	6940	7.50
	lb	*39590	*39590	*54610	*54610	*38490	32060	*28860	20750					*21630	15300	(24.6)
-6.0 m (-19.7 ft)	kg			*18940	*18940	*13630	32060							*10220	*10220	5.76
	lb			*41760	*41760	*30050	30050							*22530	*22530	(18.9)

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.

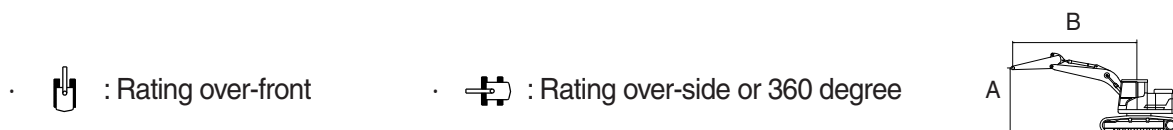
Lifting capacities will vary with different work tools, ground conditions and attachments.















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		Outtriger	
HX380A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6500	3200	7000	800	-	-	-	-	-



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									*7790	*7790			*7050	*7050	7.80
	lb									*17170	*17170			*15540	*15540	(25.6)
6.0 m (19.7 ft)	kg									*8000	*8000			*6910	6650	8.64
	lb									*17640	*17640			*15230	14660	(28.4)
4.5 m (14.8 ft)	kg					*12530	*12530	*9960	*9960	*8720	8200	*8150	6100	*7020	5910	9.17
	lb					*27620	*27620	*21960	*21960	*19220	18080	*17970	13450	*15480	13030	(30.1)
3.0 m (9.8 ft)	kg					*16270	*16270	*11750	10890	*9660	7850	*8570	5950	*7360	5530	9.42
	lb					*35870	*35870	*25900	24010	*21300	17310	*18890	13120	*16230	12190	(30.9)
1.5 m (4.9 ft)	kg					*17950	15530	*13320	10320	*10570	7530	*9030	5780	*7970	5400	9.43
	lb					*39570	34240	*29370	22750	*23300	16600	*19910	12740	*17570	11900	(30.9)
0.0 m (0.0 ft)	kg					*18930	15130	*14290	9960	*11200	7310	*9310	5670	*8980	5510	9.19
	lb					*41730	33360	*31500	21960	*24690	16120	*20530	12500	*19800	12150	(30.1)
-1.5 m (-4.9 ft)	kg			*12410	*12410	*19670	15070	*14520	9830	*11370	7210			*9570	5940	8.68
	lb			*27360	*27360	*43360	33220	*32010	21670	*25070	15900			*21100	13100	(28.5)
-3.0 m (-9.8 ft)	kg	*15020	*15020	*20150	*20150	*18480	15220	*13910	9880	*10750	7270			*10070	6870	7.85
	lb	*33110	*33110	*44420	*44420	*40740	33550	*30670	21780	*23700	16030			*22200	15150	(25.7)
-4.5 m (-14.8 ft)	kg			*21800	*21800	*15950	15610	*11940	10160					*10520	8990	6.57
	lb			*48060	*48060	*35160	34410	*26320	22400					*23190	19820	(21.6)

Note 1. Lifting capacity are based on ISO 10567.

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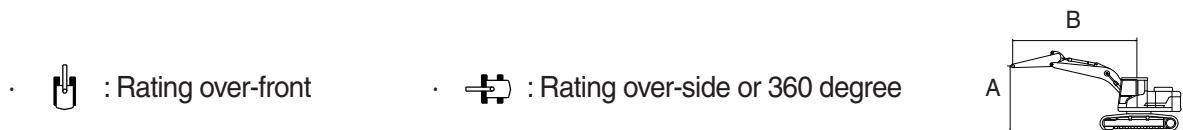
Lifting capacities will vary with different work tools, ground conditions and attachments.











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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
HX380A L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6150	2500	6500	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					*9240 *20370	*9240 *20370			*9470 *20880	*9470 *20880	6.71 (22.0)
6.0 m (19.7 ft)	kg lb					*9720 *21430	*9720 *21430	*9360 *20640	7940 17500	*9400 *20720	7600 16760	7.69 (25.2)
4.5 m (14.8 ft)	kg lb			*14000 *30860	*14000 *30860	*11060 *24380	10960 24160	*9770 *21540	7760 17110	*9530 *21010	6610 14570	8.27 (27.1)
3.0 m (9.8 ft)	kg lb					*12720 *28040	10380 22880	*10540 *23240	7500 16530	*9770 *21540	6130 13510	8.55 (28.1)
1.5 m (4.9 ft)	kg lb					*14120 *31130	9910 21850	*11290 *24890	7250 15980	9800 21610	6000 13230	8.56 (28.1)
0.0 m (0.0 ft)	kg lb			*20360 *44890	14680 32360	*14840 *32720	9650 21270	*11690 *25770	7090 15630	10180 22440	6200 13670	8.29 (27.2)
-1.5 m (-4.9 ft)	kg lb	*14540 *32060	*14540 *32060	*19660 *43340	14710 32430	*14710 *32430	9590 21140	*11390 *25110	7090 15630	*10910 *24050	6830 15060	7.72 (25.3)
-3.0 m (-9.8 ft)	kg lb	*24010 *52930	*24010 *52930	*17760 *39150	14950 32960	*13350 *29430	9750 21500			*11280 *24870	8310 18320	6.77 (22.2)
-4.5 m (-14.8 ft)	kg lb			*13520 *29810	*13520 *29810					*11150 *24580	*11150 *24580	5.23 (17.2)

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).

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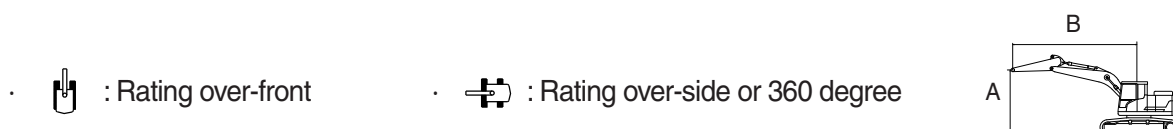
Lifting capacities will vary with different work tools, ground conditions and attachments.











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

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▲ 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	
HX380A NL	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6500	2500	6500	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									*8970 *19780	7470 16470	7.16 (23.5)
6.0 m (19.7 ft)	kg lb					*9570 *21100	*9570 *21100	*8920 *19670	6860 15120	*8920 *19670	6020 13270	8.08 (26.5)
4.5 m (14.8 ft)	kg lb			*14460 *31880	14130 31150	*11020 *24290	9290 20480	*9500 *20940	6630 14620	*9030 *19910	5260 11600	8.64 (28.3)
3.0 m (9.8 ft)	kg lb					*12690 *27980	8690 19160	*10330 *22770	6340 13980	9190 20260	4880 10760	8.91 (29.2)
1.5 m (4.9 ft)	kg lb					*14020 *30910	8240 18170	*11090 *24450	6080 13400	9050 19950	4760 10490	8.91 (29.2)
0.0 m (0.0 ft)	kg lb			*14720 *32450	12010 26480	*14660 *32320	8000 17640	*11510 *25380	5920 13050	9370 20660	4890 10780	8.66 (28.4)
-1.5 m (-4.9 ft)	kg lb			*19240 *42420	12070 26610	*14510 *31990	7960 17550	*11360 *25040	5900 13010	*10230 *22550	5350 11790	8.12 (26.6)
-3.0 m (-9.8 ft)	kg lb	*22870 *50420	*22870 *50420	*17520 *38620	12300 27120	*13390 *29520	8090 17840			*10550 *23260	6370 14040	7.22 (23.7)
-4.5 m (-14.8 ft)	kg lb			*14070 *31020	12770 28150					*10500 *23150	8930 19690	5.80 (19.0)

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.

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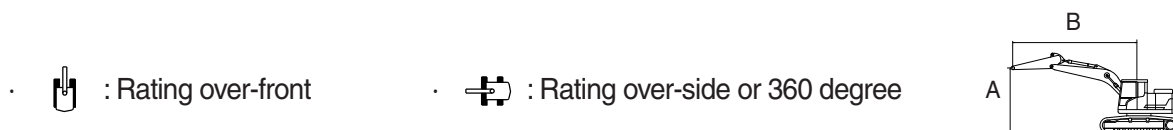
Lifting capacities will vary with different work tools, ground conditions and attachments.















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

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	
HX380A NL	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6500	3200	6500	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									*7790 *17170	7100 15650			*7050 *15540	6610 14570	7.80 (25.6)
6.0 m (19.7 ft)	kg lb									*8000 *17640	6990 15410			*6910 *15230	5440 11990	8.64 (28.4)
4.5 m (14.8 ft)	kg lb					*12530 *27620	*12530 *27620	*9960 *21960	9490 20920	*8720 *19220	6720 14820	*8150 *17970	4960 10930	*7020 *15480	4800 10580	9.17 (30.1)
3.0 m (9.8 ft)	kg lb					*16270 *35870	13240 29190	*11750 *25900	8830 19470	*9660 *21300	6380 14070	*8570 *18890	4810 10600	*7360 *16230	4450 9810	9.42 (30.9)
1.5 m (4.9 ft)	kg lb					*17950 *39570	12270 27050	*13320 *29370	8290 18280	*10570 *23300	6070 13380	8890 19600	4650 10250	*7970 *17570	4330 9550	9.43 (30.9)
0.0 m (0.0 ft)	kg lb					*18930 *41730	11880 26190	*14290 *31500	7950 17530	*11200 *24690	5850 12900	8760 19310	4540 10010	8510 18760	4410 9720	9.19 (30.1)
-1.5 m (-4.9 ft)	kg lb			*12410 *27360	*12410 *27360	*19670 *43360	11830 26080	*14520 *32010	7810 17220	*11370 *25070	5760 12700			9210 20300	4740 10450	8.68 (28.5)
-3.0 m (-9.8 ft)	kg lb	*15020 *33110	*15020 *33110	*20150 *44420	*20150 *44420	*18480 *40740	11970 26390	*13910 *30670	7860 17330	*10750 *23700	5820 12830			*10070 *22200	5500 12130	7.85 (25.7)
-4.5 m (-14.8 ft)	kg lb			*21800 *48060	*21800 *48060	*15950 *35160	12340 27210	*11940 *26320	8140 17950					*10520 *23190	7220 15920	6.57 (21.6)

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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX380A NL	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6500	3900	6500	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													*5580 *12300	*5580 *12300	7.43 (24.4)
7.5 m (24.6 ft)	kg lb									*6800 *14990	*6800 *14990			*5240 *11550	*5240 *11550	8.59 (28.2)
6.0 m (19.7 ft)	kg lb									*7180 *15830	*7180 *15830	*6500 *14330	5220 11510	*5130 *11310	4830 10650	9.36 (30.7)
4.5 m (14.8 ft)	kg lb							*8930 *19690	*8930 *19690	*7990 *17610	6890 15190	*7510 *16560	5090 11220	*5200 *11460	4320 9520	9.85 (32.3)
3.0 m (9.8 ft)	kg lb					*14540 *32060	13890 30620	*10830 *23880	9120 20110	*9040 *19930	6540 14420	*8060 *17770	4900 10800	*5420 *11950	4030 8880	10.08 (33.1)
1.5 m (4.9 ft)	kg lb					*17770 *39180	12700 28000	*12620 *27820	8500 18740	*10080 *22220	6190 13650	*8650 *19070	4710 10380	*5810 *12810	3920 8640	10.09 (33.1)
0.0 m (0.0 ft)	kg lb			*7060 *15560	*7060 *15560	*19500 *42990	12070 26610	*13900 *30640	8070 17790	*10910 *24050	5920 13050	8780 19360	4550 10030	*6450 *14220	3970 8750	9.87 (32.4)
-1.5 m (-4.9 ft)	kg lb	*7760 *17110	*7760 *17110	*11450 *25240	*11450 *25240	*19920 *43920	11850 26120	*14490 *31940	7850 17310	*11330 *24980	5760 12700	8700 19180	4480 9880	*7490 *16510	4220 9300	9.39 (30.8)
-3.0 m (-9.8 ft)	kg lb	*12390 *27320	*12390 *27320	*16990 *37460	*16990 *37460	*19280 *42510	11880 26190	*14310 *31550	7810 17220	*11160 *24600	5740 12650			9270 20440	4770 10520	8.63 (28.3)
-4.5 m (-14.8 ft)	kg lb	*17960 *39590	*17960 *39590	*24770 *54610	23970 52840	*17460 *38490	12130 26740	*13090 *28860	7960 17550					*9810 *21630	5910 13030	7.50 (24.6)
-6.0 m (-19.7 ft)	kg lb			*18940 *41760	*18940 *41760	*13630 *30050	12670 27930							*10220 *22530	8900 19620	5.76 (18.9)

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Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
HX380A NL	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6150	2500	6500	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					*9240 *20370	*9240 *20370			*9470 *20880	8350 18410	6.71 (22.0)
6.0 m (19.7 ft)	kg lb					*9720 *21430	*9720 *21430	*9360 *20640	6890 15190	*9400 *20720	6590 14530	7.69 (25.2)
4.5 m (14.8 ft)	kg lb			*14000 *30860	*14000 *30860	*11060 *24380	9460 20860	*9770 *21540	6720 14820	*9530 *21010	5710 12590	8.27 (27.1)
3.0 m (9.8 ft)	kg lb					*12720 *28040	8900 19620	*10540 *23240	6460 14240	*9770 *21540	5280 11640	8.55 (28.1)
1.5 m (4.9 ft)	kg lb					*14120 *31130	8450 18630	*11290 *24890	6220 13710	9720 21430	5150 11350	8.56 (28.1)
0.0 m (0.0 ft)	kg lb			*20360 *44890	12280 27070	*14840 *32720	8200 18080	*11690 *25770	6070 13380	10100 22270	5310 11710	8.29 (27.2)
-1.5 m (-4.9 ft)	kg lb	*14540 *32060	*14540 *32060	*19660 *43340	12310 27140	*14710 *32430	8150 17970	*11390 *25110	6060 13360	*10910 *24050	5850 12900	7.72 (25.3)
-3.0 m (-9.8 ft)	kg lb	*24010 *52930	*24010 *52930	*17760 *39150	12540 27650	*13350 *29430	8300 18300			*11280 *24870	7110 15670	6.77 (22.2)
-4.5 m (-14.8 ft)	kg lb			*13520 *29810	13080 28840					*11150 *24580	10580 23320	5.23 (17.2)

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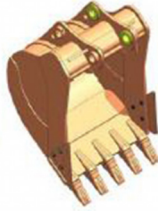
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6. BUCKET SELECTION GUIDE

1) GENERAL BUCKET



General bucket



Heavy duty
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO			
	SAE Heaped	CECE heaped	Without side cutter			Recommendation		mm (ft-in)	
						6.15 m (20' 2") Boom	6.5 m (21' 4") Boom		
	m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA	2.50 m (8' 2") Arm	2.50 m (8' 2") Arm	3.20 m (10' 6") Arm	3.90 m (12' 10") Arm
General bucket	1.46 (1.91)	1.28 (1.67)	1,305 (51.4")	1,400 (3,090)	4	●	●	●	●
	1.62 (2.12)	1.42 (1.86)	1,415 (55.7")	1,500 (3,310)	5	●	●	●	◐
	1.90 (2.49)	1.65 (2.16)	1,600 (63.0")	1,610 (3,550)	5	●	●	◐	■
	2.10 (2.75)	1.84 (2.41)	1,735 (68.3")	1,690 (3,730)	5	●	◐	■	▲
	2.32 (3.03)	2.02 (2.64)	1,885 (74.2")	1,800 (3,970)	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

※ 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) HEAVY DUTY AND ROCK HEAVY DUTY BUCKET



General bucket



Heavy duty
(with side cutter)



Rock heavy duty

Type	Capacity		Width	Weight	Tooth	MONO			
						Recommendation		mm (ft-in)	
	SAE Heaped	CECE heaped	Without side cutter			6.15 m (20' 2") Boom	6.5 m (21' 4") Boom		
							2.50 m (8' 2") Arm	2.50 m (8' 2") Arm	3.20 m (10' 6") Arm
	m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA				
Heavy duty	1.46 (1.91)	1.28 (1.67)	1,305 (51.4")	1,560 (3,440)	4	●	●	●	●
	1.62 (2.12)	1.42 (1.86)	1,415 (55.7")	1,660 (3,660)	5	●	●	●	◐
	1.90 (2.49)	1.65 (2.16)	1,600 (63.0")	1,790 (3,950)	5	●	●	◐	■
	2.10 (2.75)	1.84 (2.41)	1,735 (68.3")	1,880 (4,140)	5	◐	◐	■	▲
Rock heavy duty	1.46 (1.91)	1.28 (1.67)	1,305 (51.4")	1,750 (3,860)	4	●	●	●	◐
	1.62 (2.12)	1.42 (1.86)	1,415 (55.7")	1,850 (4,080)	5	●	●	●	◐
	1.90 (2.49)	1.65 (2.16)	1,600 (63.0")	1,990 (4,390)	5	●	◐	■	■

●	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

※ 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)
HX380A L	Operating weight	kg	(lb)	39100	62020	39550	87010	40000	88000	40460	89012	39520	86944
	Ground pressure	kgf/cm ²	(psi)	0.7	9.97	0.61	8.64	0.54	7.65	0.48	6.88	0.71	10.07
	Link quantity	EA		51		51		51		51		51	
HX380 NL	Operating weight	kg	(lb)	38890	85558	-	-	-	-	-	-	-	-
	Ground pressure	kgf/cm ²	(psi)	0.7	9.92	-	-	-	-	-	-	-	-
	Link quantity	EA		51		-		-		-		-	

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
600 mm HD triple grouser	Option	A
600 mm double grouser	Option	A
700 mm triple 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">· 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 / 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	8.9 ℓ (543 cu in)
Compression ratio	16.72 : 1
Gross power	365 Hp (272 kW) at 2100 rpm
Net power	359 Hp (268 kW) at 2100 rpm
Max. pHXower	380 Hp (283 kW) at 1800 rpm
Peak Torque	1795 N·m (1324 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 × 200 cc/rev
Maximum pressure	330 kgf/cm ² (4690 psi) [360 kgf/cm ² (5120 psi)]
Rated oil flow	2 × 340 ℓ /min (89.8 U.S. gpm/74.8 U.K. gpm)
Rated speed	1700 rpm

[] : Power boost

3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	15 cc/rev
Maximum pressure	40 kgf/cm ² (570 psi)
Rated oil flow	25.5 ℓ /min (6.7 U.S. gpm/5.6 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	390 kgf/cm² (5550 psi)
	Arm	390 kgf/cm² (5550 psi)
	Bucket	390 kgf/cm² (5550 psi)

[] : Power boost

5) SWING MOTOR

Item	Specification
Type	Axial piston motor
Capacity	240 cc/rev
Relief pressure	290 kgf/cm ² (4120 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	134 kgf · m (969 lbf · ft) over
Brake release pressure	26 kgf/cm ² (370 psi) below
Reduction gear type	2 - stage planetary

6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement axial piston motor
Capacity	185/114 cc/rev
Relief pressure	360 kgf/cm ² (5120 psi)
Braking system	Auto matic, spring applied hydraulic released
Braking torque	57.1 kgf · m (413 lbf · ft)
Brake release pressure	10.6 kgf/cm ² (151 psi)
Reduction gear type	3-stage planetary

7) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Stroke	Ø 160 × 1500 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Stroke	Ø 170 × 1760 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Stroke	Ø 150 × 1295 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 5W-30, 5W-40							
				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	8.0 (2.1)	★SAE 75W-90								
Final drive		5.5×2 (1.5×2)		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★ 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	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)

★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 dealer.