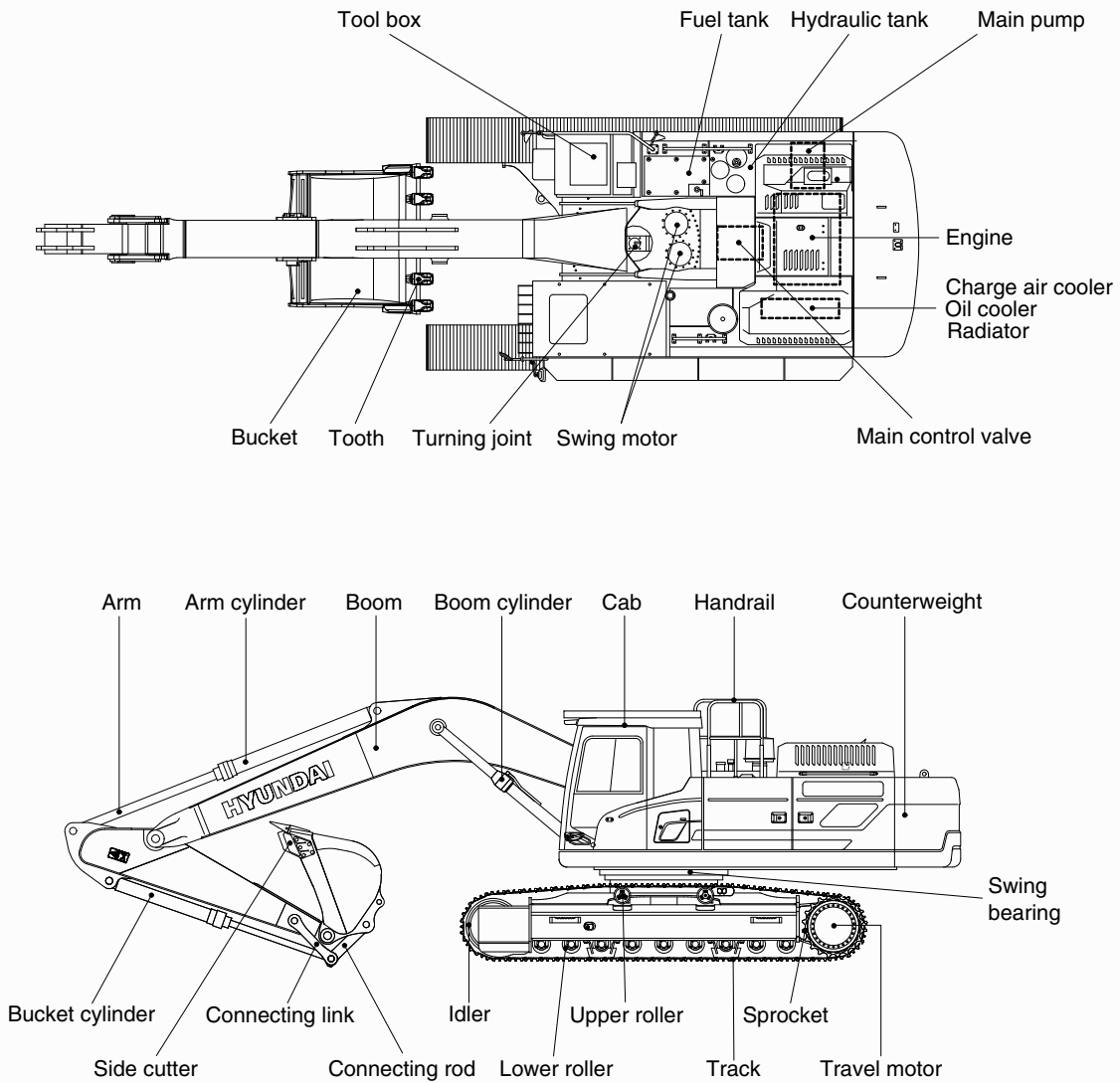


SPECIFICATIONS

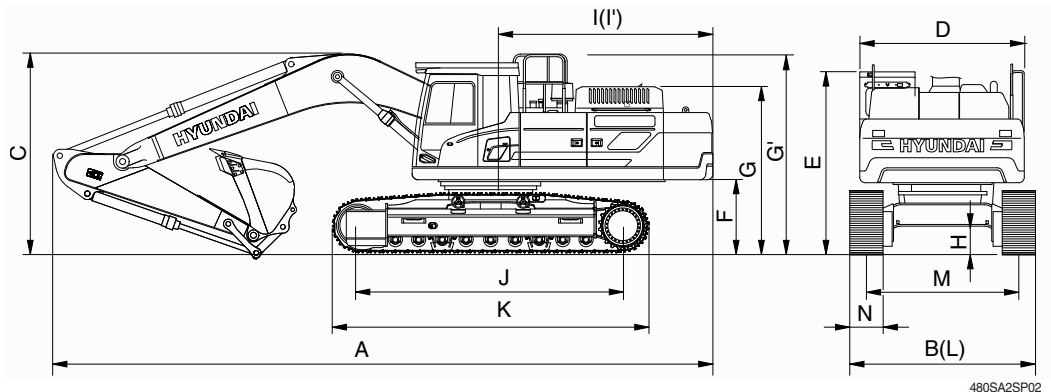
1. MAJOR COMPONENT



480SA2SP01

2. SPECIFICATIONS

(1)HX520L (1/1)

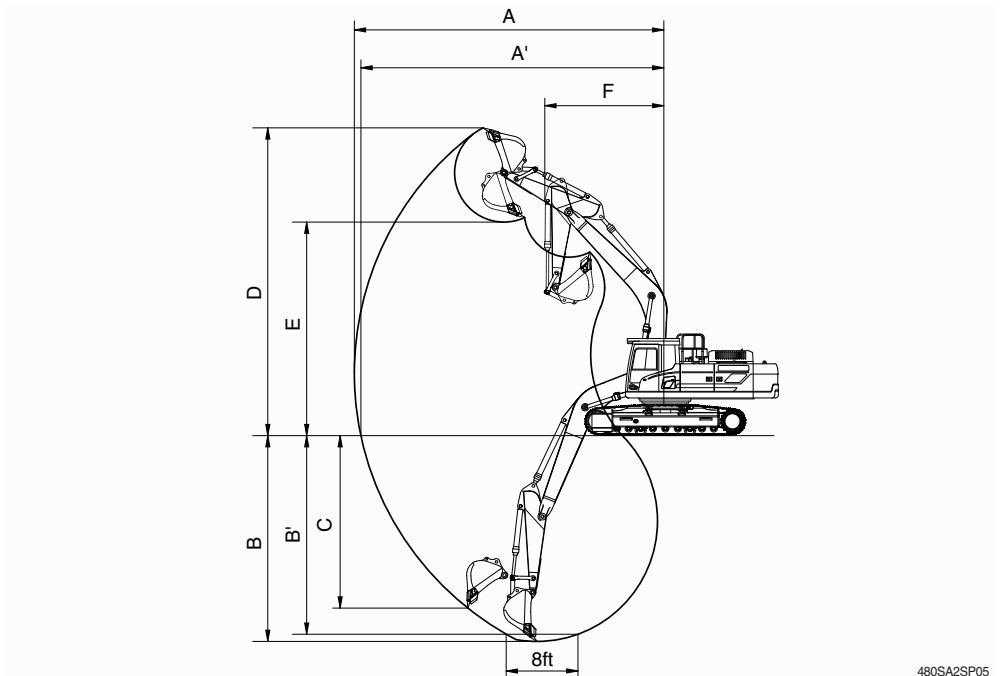


480SA2SP02

Description		Unit		Specification
		m (ft-in)	Boom	6.55 (21' 6")
			Arm	2.55 (8' 4")
		mm (in)	Shoe	600 (24)
Operating weight		kg (lb)		50080 (110407)
Bucket capacity (SAE heaped), standard		m³ (yd³)		2.20 (2.88)
Overall length	A	mm (ft-in)		11680 (38' 4")
Overall width	B			3340 (10' 11")
Overall height of boom	C			3790 (12' 5")
Superstructure width	D			2980 (9' 9")
Overall height of cab	E			3240 (10' 8")
Ground clearance of counterweight	F			1370 (4' 6")
Overall height of engine hood	G			3140 (10' 4")
Overall height of handrail	G'			3610 (11' 10")
Minimum ground clearance	H			585 (1' 11")
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)	K			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)		3.2/5.2 (2.0/3.2)
Swing speed		rpm		8.8
Gradeability		Degree (%)		35 (70)
Ground pressure		kgf/cm² (psi)		0.84 (12.0)
Max traction force		kg (lb)		39674 (87466)

3. WORKING RANGE AND DIGGING FORCE

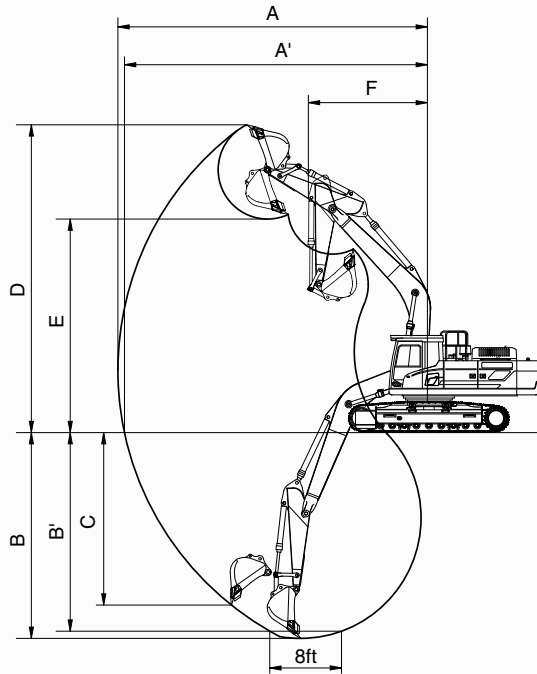
(1)HX520L



480SA2SP05

Description	m (ft-in)	Boom	7.06 (23' 2")			
		Arm	2.55 (8' 4")	2.90 (9' 6")	3.38 (11' 1")	4.00 (13' 1")
Max digging reach	mm (ft-in)	A	11410 (37' 5")	11670 (38' 3")	12060 (39' 7")	12610 (41' 4")
Max digging reach on ground		A'	11190 (36' 9")	11460 (37' 7")	11850 (38' 11")	12410 (40' 9")
Max digging depth		B	6900 (22' 8")	7250 (23' 9")	7730 (25' 4")	8350 (27' 5")
Max digging depth (8 ft level)		B'	6730 (22' 1")	7090 (23' 3")	7590 (24' 11")	8220 (27' 0")
Max vertical wall digging depth		C	5280 (17' 4")	5710 (18' 9")	5490 (18' 0")	6170 (20' 3")
Max digging height		D	11070 (36' 4")	11090 (36' 5")	11060 (36' 3")	11330 (37' 2")
Max dumping height		E	7600 (24' 11")	7630 (25' 0")	7710 (25' 4")	7920 (26' 0")
Min swing radius		F	4820 (15' 10")	4880 (16' 0")	4870 (16' 0")	4630 (15' 2")
Bucket digging force	kN	SAE	212.8 [231.0]	212.8 [231.0]	212.8 [231.0]	212.8 [231.0]
	kgf		21700 [23560]	21700 [23560]	21700 [23560]	21700 [23560]
	lbf		47840 [51941]	47840 [51941]	47840 [51941]	47840 [51941]
	kN	ISO	247.1 [268.3]	247.1 [268.3]	247.1 [268.3]	247.1 [268.3]
	kgf		25200 [27360]	25200 [27360]	25200 [27360]	25200 [27360]
	lbf		55556 [60318]	55556 [60318]	55556 [60318]	55556 [60318]
Arm digging force	kN	SAE	235.4 [255.6]	218.7 [237.4]	198.1 [215.1]	173.6 [188.5]
	kgf		24000 [26060]	22300 [24210]	20200 [21930]	17700 [19220]
	lbf		52911 [57452]	49163 [53374]	44533 [48347]	39022 [42373]
	kN	ISO	246.1 [267.2]	227.5 [247.0]	205.0 [222.5]	179.5 [194.9]
	kgf		25100 [27250]	23200 [25190]	20900 [22690]	18300 [19870]
	lbf		55336 [60076]	51147 [55534]	46077 [50023]	40345 [43806]

[] : Power boost



480SA2SP05

Description	m (ft-in)	Boom	6.55 (21' 6")	9.00 (29' 6")
		Arm	2.55 (8' 4")	6.00 (19' 8")
Max digging reach	mm (ft-in)	A	10870 (35' 8")	16110 (52' 10")
Max digging reach on ground		A'	10640 (34' 11")	15950 (52' 4")
Max digging depth		B	6460 (21' 2")	11710 (38' 5")
Max digging depth (8 ft level)		B'	6290 (20' 8")	11620 (38' 1")
Max vertical wall digging depth		C	4840 (15' 11")	8660 (28' 5")
Max digging height		D	10670 (35' 0")	13100 (43' 0")
Max dumping height		E	7210 (23' 8")	9800 (32' 2")
Min swing radius		F	4440 (14' 7")	5630 (18' 6")
Bucket digging force	kN	SAE	240.3 [260.9]	212.8 -
	kgf		24500 [26600]	21700 -
	lbf		54013 [58643]	47840 -
	kN	ISO	279.5 [303.4]	247.1 -
	kgf		28500 [30940]	25200 -
	lbf		62832 [68211]	55556 -
Arm digging force	kN	SAE	235.4 [255.6]	127.5 -
	kgf		24000 [26060]	13000 -
	lbf		52911 [57452]	28660 -
	kN	ISO	246.1 [267.2]	130.4 -
	kgf		25100 [27250]	13300 -
	lbf		55336 [60076]	29321 -

[] : Power boost

4. WEIGHT

Item	HX520L	
	kg	lb
Upperstructure assembly		
· Main frame weld assembly	4313	9508
· Engine assembly	860	1896
· Main pump assembly	194	428
· Main control valve assembly	421	928
· Swing motor assembly	667	1470
· Hydraulic oil tank WA	418	922
· Fuel tank WA	376	829
· Counterweight	9700	21385
· Cab assembly	495	1092
Lower chassis assembly		
· Track frame weld assembly	6600	14550
· Swing bearing	719	1585
· Travel motor assembly (2EA)	1264	2787
· Turning joint	96	212
· Sprocket (2EA)	188	415
· Track recoil spring (2EA)	653	1440
· Idler (2EA)	639	1408
· Upper roller (HX520L- 4EA / HX520LT3 - 6EA)	351	774
· Lower roller (18EA)	1579	3481
· Track-chain assembly (600 mm triple grouser shoe) (2EA)	5534	12200
· Track-chain assembly (700 mm triple grouser shoe) (2EA)	6054	13347
· Track-chain assembly (800 mm triple grouser shoe) (2EA)	6584	14515
· Track-chain assembly (900 mm triple grouser shoe) (2EA)	7092	15635
· Track-chain assembly (600 mm double grouser shoe) (2EA)	5566	12271
· Track-chain assembly (600 mm HD triple grouser shoe) (2EA)	5714	12597
Front attachment assembly		
· 7.06 m boom assembly	3640	8025
· 3.38 m arm assembly	1845	4067
· 2.20 m³ SAE heaped bucket	2020	4453
· Boom cylinder assembly (2EA)	1142	2518
· Arm cylinder assembly	591	1303
· Bucket cylinder assembly	366	807
· Bucket control linkage total	519	1144

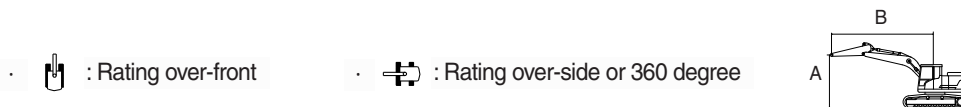
※ This information is different with operating and transportation weight because it is not including harness, pipe, oil, fuel so on.











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

5. LIFTING CAPACITIES

1) HX520L

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX520L	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									*13880 *30600	*13880 *30600	5.79 (19.0)
7.5 m (24.6 ft)	kg lb					*13190 *29080	*13190 *29080			*12600 *27780	10960 24160	7.22 (23.7)
6.0 m (19.7 ft)	kg lb					*13980 *30820	*13980 *30820	*12410 *27360	10200 22490	*12070 *26610	8900 19620	8.12 (26.6)
4.5 m (14.8 ft)	kg lb			*20370 *44910	*20370 *44910	*15430 *34020	13870 30580	*12960 *28570	9900 21830	*11830 *26080	7840 17280	8.67 (28.4)
3.0 m (9.8 ft)	kg lb					*16960 *37390	13100 28880	*13650 *30090	9520 20990	*11730 *25860	7320 16140	8.94 (29.3)
1.5 m (4.9 ft)	kg lb					*17890 *39440	12510 27580	*14120 *31130	9190 20260	*11690 *25770	7170 15810	8.94 (29.3)
0.0 m (0.0 ft)	kg lb			*21030 *46360	18620 41050	*17850 *39350	12210 26920	*14030 *30930	8990 19820	*11620 *25620	7390 16290	8.69 (28.5)
-1.5 m (-4.9 ft)	kg lb	*15060 *33200	*15060 *33200	*21280 *46910	18720 41270	*16720 *36860	12170 26830	*13030 *28730	8970 19780	*11390 *25110	8070 17790	8.15 (26.7)
-3.0 m (-9.8 ft)	kg lb	*20530 *45260	*20530 *45260	*17830 *39310	*17830 *39310	*14160 *31220	12360 27250			*10720 *23630	9590 21140	7.26 (23.8)

Note 1. Lifting capacity are based on ISO 10567.

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

※ Lifting capacities are based upon a standard machine conditions.

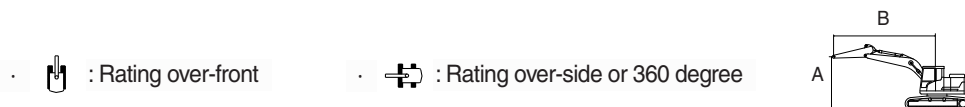
Lifting capacities will vary with different work tools, ground conditions and attachments.













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

Consult with your local Hyundai 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	
HX520L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		6550	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											*11820 *26060	*11820 *26060	6.19 (20.3)
7.5 m (24.6 ft)	kg lb							*11250 *24800	10350 22820			*10890 *24010	10250 22600	7.54 (24.7)
6.0 m (19.7 ft)	kg lb					*13340 *29410	*13340 *29410	*11880 *26190	10240 22580			*10600 *23370	8420 18560	8.41 (27.6)
4.5 m (14.8 ft)	kg lb			*19300 *42550	*19300 *42550	*14830 *32690	13940 30730	*12520 *27600	9900 21830			*10710 *23610	7450 16420	8.94 (29.3)
3.0 m (9.8 ft)	kg lb			*22770 *50200	19820 43700	*16450 *36270	13110 28900	*13290 *29300	9480 20900	*11400 *25130	7190 15850	*11180 *24650	6950 15320	9.20 (30.2)
1.5 m (4.9 ft)	kg lb			*19910 *43890	18720 41270	*17560 *38710	12450 27450	*13870 *30580	9110 20080	*11500 *25350	7020 15480	*11210 *24710	6800 14990	9.20 (30.2)
0.0 m (0.0 ft)	kg lb			*23720 *52290	18390 40540	*17760 *39150	12080 26630	*13950 *30750	8870 19550			*11220 *24740	6970 15370	8.96 (29.4)
-1.5 m (-4.9 ft)	kg lb	*16270 *35870	*16270 *35870	*21890 *48260	18420 40610	*16900 *37260	11980 26410	*13220 *29150	8800 19400			*11120 *24520	7550 16640	8.44 (27.7)
-3.0 m (-9.8 ft)	kg lb	*22850 *50380	*22850 *50380	*18760 *41360	18700 41230	*14740 *32500	12120 26720	*10960 *24160	8970 19780			*10700 *23590	8850 19510	7.58 (24.9)
-4.5 m (-14.8 ft)	kg lb			*13560 *29890	*13560 *29890	*10150 *22380	*10150 *22380					*9330 *20570	*9330 *20570	6.27 (20.6)

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.

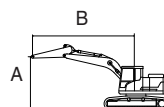
Consult with your local Hyundai dealer regarding the lifting capacities for specific work tools and attachments.













⚠ 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	
HX520L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		7060	2550	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											*12380 *27290	*12380 *27290	6.60 (21.6)
7.5 m (24.6 ft)	kg lb							*11560 *25490	10350 22820			*11490 *25330	9480 20900	7.87 (25.8)
6.0 m (19.7 ft)	kg lb					*13640 *30070	*13640 *30070	*11840 *26100	10150 22380			*11100 *24470	7900 17420	8.71 (28.6)
4.5 m (14.8 ft)	kg lb					*15260 *33640	13570 29920	*12560 *27690	9760 21520	*11060 *24380	7350 16200	*10910 *24050	7050 15540	9.22 (30.3)
3.0 m (9.8 ft)	kg lb					*16820 *37080	12750 28110	*13340 *29410	9340 20590	*11320 *24960	7160 15790	*10840 *23900	6610 14570	9.47 (31.1)
1.5 m (4.9 ft)	kg lb					*17670 *38960	12180 26850	*13860 *30560	8990 19820	*11470 *25290	6980 15390	*10810 *23830	6490 14310	9.48 (31.1)
0.0 m (0.0 ft)	kg lb					*17570 *38740	11930 26300	*13880 *30600	8790 19380	*11210 *24710	6880 15170	*10770 *23740	6650 14660	9.24 (30.3)
-1.5 m (-4.9 ft)	kg lb			*20510 *45220	18440 40650	*16560 *36510	11900 26230	*13170 *29030	8750 19290			*10610 *23390	7190 15850	8.74 (28.7)
-3.0 m (-9.8 ft)	kg lb	*19190 *42310	*19190 *42310	*17720 *39070	*17720 *39070	*14510 *31990	12070 26610	*11260 *24820	8900 19620			*10150 *22380	8340 18390	7.92 (26.0)
-4.5 m (-14.8 ft)	kg lb			*13240 *29190	*13240 *29190	*10610 *23390	*10610 *23390					*8830 *19470	*8830 *19470	6.66 (21.9)

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.**

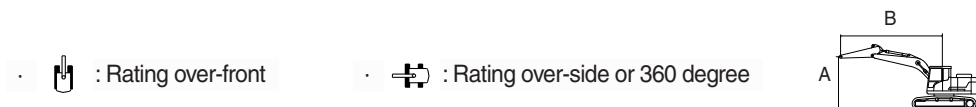
Lifting capacities will vary with different work tools, ground conditions and attachments.













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

Consult with your local Hyundai 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	
HX520L	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											*11510 *25380	*11510 *25380	6.97 (22.9)
7.5 m (24.6 ft)	kg lb							*10980 *24210	10420 22970			*10810 *23830	8910 19640	8.19 (26.9)
6.0 m (19.7 ft)	kg lb					*13030 *28730	*13030 *28730	*11370 *25070	10180 22440			*10500 *23150	7480 16490	8.99 (29.5)
4.5 m (14.8 ft)	kg lb			*19780 *43610	*19780 *43610	*14660 *32320	13630 30050	*12140 *26760	9760 21520	*10690 *23570	7330 16160	*10370 *22860	6690 14750	9.49 (31.1)
3.0 m (9.8 ft)	kg lb					*16310 *35960	12750 28110	*12980 *28620	9300 20500	*11040 *24340	7100 15650	*10340 *22800	6280 13850	9.74 (31.9)
1.5 m (4.9 ft)	kg lb					*17350 *38250	12110 26700	*13600 *29980	8910 19640	*11280 *24870	6890 15190	*10360 *22840	6140 13540	9.74 (32.0)
0.0 m (0.0 ft)	kg lb			*14480 *31920	*14480 *31920	*17470 *38510	11780 25970	*13750 *30310	8670 19110	*11190 *24670	6760 14900	*10380 *22880	6270 13820	9.51 (31.2)
-1.5 m (-4.9 ft)	kg lb			*21210 *46760	18090 39880	*16700 *36820	11700 25790	*13230 *29170	8580 18920	*10370 *22860	6760 14900	*10320 *22750	6740 14860	9.02 (29.6)
-3.0 m (-9.8 ft)	kg lb	*21630 *47690	*21630 *47690	*18580 *40960	18360 40480	*14930 *32910	11830 26080	*11720 *25840	8690 19160			*10040 *22130	7730 17040	8.23 (27.0)
-4.5 m (-14.8 ft)	kg lb			*14450 *31860	*14450 *31860	*11610 *25600	*11610 *25600					*9130 *20130	*9130 *20130	7.04 (23.1)

Note 1. Lifting capacity are based on ISO 10567.

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

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

4. *Indicates load limited by hydraulic capacity.

※ **Lifting capacities are based upon a standard machine conditions.**

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


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

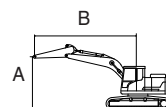
Consult with your local Hyundai dealer regarding the lifting capacities for specific work tools and attachments.













⚠ 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	
HX520L	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							*9510 *20970	*9510 *20970			*9450 *20830	*9450 *20830	7.51 (24.6)
7.5 m (24.6 ft)	kg lb							*10350 *22820	*10350 *22820			*8950 *19730	8240 18170	8.65 (28.4)
6.0 m (19.7 ft)	kg lb							*10850 *23920	10330 22770	*9990 *22020	7610 16780	*8830 *19470	7020 15480	9.41 (30.9)
4.5 m (14.8 ft)	kg lb			*18480 *40740	*18480 *40740	*14010 *30890	13910 30670	*11700 *25790	9900 21830	*10330 *22770	7420 16360	*8960 *19750	6310 13910	9.89 (32.5)
3.0 m (9.8 ft)	kg lb					*15810 *34860	13010 28680	*12650 *27890	9420 20770	*10790 *23790	7160 15790	*9350 *20610	5930 13070	10.12 (33.2)
1.5 m (4.9 ft)	kg lb					*17100 *37700	12290 27090	*13410 *29560	9000 19840	*11150 *24580	6930 15280	9870 21760	5800 12790	10.13 (33.2)
0.0 m (0.0 ft)	kg lb			*17130 *37770	*17130 *37770	*17540 *38670	11870 26170	*13740 *30290	8710 19200	*11240 *24780	6750 14880	*9970 *21980	5900 13010	9.91 (32.5)
-1.5 m (-4.9 ft)	kg lb	*12220 *26940	*12220 *26940	*22260 *49070	18060 39820	*17080 *37650	11720 25840	*13470 *29700	8580 18920	*10790 *23790	6690 14750	*10000 *22050	6290 13870	9.44 (31.0)
-3.0 m (-9.8 ft)	kg lb	*20690 *45610	*20690 *45610	*19920 *43920	18260 40260	*15660 *34520	11780 25970	*12340 *27210	8610 18980			*9900 *21830	7100 15650	8.69 (28.5)
-4.5 m (-14.8 ft)	kg lb	*19790 *43630	*19790 *43630	*16250 *35830	*16250 *35830	*12920 *28480	12050 26570	*9580 *21120	8890 19600			*9390 *20700	8790 19380	7.57 (24.8)

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.**

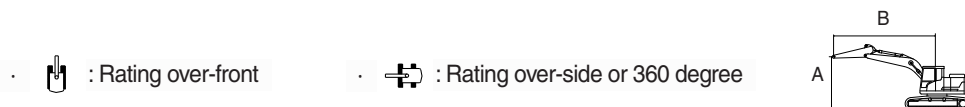
Lifting capacities will vary with different work tools, ground conditions and attachments.

















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

Consult with your local Hyundai 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	
HX520L	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)
																				
9.0m	kg																	*7340	*7340	8.24
29.5ft	lb																	*16180	*16180	(27.0)
7.5m	kg											*8410	7900					*7010	*7010	9.29
24.6ft	lb											*18540	17420					*15450	*15450	(30.5)
6.0m	kg									*10200	*10200	*9450	7800					*6930	6450	10.01
19.7ft	lb									*22490	*22490	*20830	17200					*15280	14220	(32.8)
4.5m	kg							*13140	*13140	*11140	10130	*9910	7580					*7030	5860	10.46
14.8ft	lb							*28970	*28970	*24560	22330	*21850	16710					*15500	12920	(34.3)
3.0m	kg					*20800	20410	*15100	13370	*12210	9630	*10480	7300		*8720	5690		*7320	5530	10.68
9.8ft	lb					*45860	45000	*33290	29480	*26920	21230	*23100	16090		*19220	12540		*16140	12190	(35.0)
1.5m	kg					*20070	18940	*16700	12570	*13140	9170	*10990	7030		9410	5560		*7820	5410	10.68
4.9ft	lb					*44250	41760	*36820	27710	*28970	20220	*24230	15500		20750	12260		*17240	11930	(35.0)
0.0m	kg					*19100	18270	*17520	12050	*13700	8820	*11260	6820					*8600	5480	10.47
0.0ft	lb					*42110	40280	*38620	26570	*30200	19440	*24820	15040					*18960	12080	(34.4)
-1.5m	kg			*12230	*12230	*23290	18100	*17450	11800	*13710	8630	*11110	6710					*9540	5790	10.03
-4.9ft	lb			*26960	*26960	*51350	39900	*38470	26010	*30230	19030	*24490	14790					*21030	12760	(32.9)
-3.0m	kg	*14130	*14130	*18540	*18540	*21430	18190	*16470	11770	*12980	8600	*10210	6720					*9570	6420	9.33
-9.8ft	lb	*31150	*31150	*40870	*40870	*47250	40100	*36310	25950	*28620	18960	*22510	14820					*21100	14150	(30.6)
-4.5m	kg			*23840	*23840	*18340	*18340	*14340	11950	*11120	8740							*9360	7670	8.30
-14.8ft	lb			*52560	*52560	*40430	*40430	*31610	26350	*24520	19270							*20640	16910	(27.2)
-6.0m	kg					*13350	*13350	*10290	*10290									*8450	*8450	6.78
-19.7ft	lb					*29430	*29430	*22690	*22690									*18630	*18630	(22.3)

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 Hyundai 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.

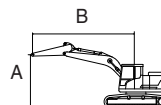
Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outrigger	
HX520L	MONO BOOM	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		9000	6000	10700	600	-	-	-	-	-























: 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)		10.5 m (34.4 ft)		12.0 m (39.4 ft)		13.5 m (44.3 ft)		Capacity	Reach		
																						m (ft)	
10.5m	kg																				*4060	*4060	11.51
34.4ft	lb																				*8950	*8950	(37.7)
9.0m	kg																*4870	*4870			*3950	*3950	12.46
29.5ft	lb																*10740	*10740			*8710	*8710	(40.9)
7.5m	kg													*5930	*5930	*5620	5150				*3940	*3940	13.17
24.6ft	lb													*13070	*13070	*12390	11350				*8690	*8690	(43.2)
6.0m	kg													*6270	*6270	*5810	5000	*4500	3900	*3990	3770	13.69	
19.7ft	lb													*13820	*13820	*12810	11020	*9920	8600	*8800	8310	(44.9)	
4.5m	kg									*8790	*8790	*7540	*7540	*6680	6130	*6060	4800	*5520	3790	*4110	3480	14.02	
14.8ft	lb									*19380	*19380	*16620	*16620	*14730	13510	*13360	10580	*12170	8360	*9060	7670	(46.0)	
3.0m	kg					*17920	*17920	*12630	*12630	*9890	9810	*8240	7430	*7130	5780	*6350	4580	*5750	3650	*4300	3290	14.18	
9.8ft	lb					*39510	*39510	*27840	*27840	*21800	21630	*18170	16380	*15720	12740	*14000	10100	*12680	8050	*9480	7250	(46.5)	
1.5m	kg					*9790	*9790	*14170	12320	*10870	9040	*8880	6930	*7550	5450	*6610	4360	*5890	3510	*4580	3190	14.19	
4.9ft	lb					*21580	*21580	*31240	27160	*23960	19930	*19580	15280	*16640	12020	*14570	9610	*12990	7740	*10100	7030	(46.5)	
0.0m	kg					*9020	*9020	*15100	11450	*11570	8440	*9370	6520	*7880	5170	*6810	4170	*5960	3400	*4970	3170	14.03	
0.0ft	lb					*19890	*19890	*33290	25240	*25510	18610	*20660	14370	*17370	11400	*15010	9190	*13140	7500	*10960	6990	(46.0)	
-1.5m	kg	*4710	*4710	*6130	*6130	*10400	*10400	*15390	10970	*11920	8030	*9650	6210	*8060	4950	*6890	4020	*5910	3310	*5510	3230	13.70	
-4.9ft	lb	*10380	*10380	*13510	*13510	*22930	*22930	*33930	24180	*26280	17700	*21270	13690	*17770	10910	*15190	8860	*13030	7300	*12150	7120	(45.0)	
-3.0m	kg	*7100	*7100	*8690	*8690	*12720	*12720	*15140	10770	*11890	7820	*9660	6030	*8040	4810	*6790	3930			*5880	3400	13.20	
-9.8ft	lb	*15650	*15650	*19160	*19160	*28040	*28040	*33380	23740	*26210	17240	*21300	13290	*17730	10600	*14970	8660			*12960	7500	(43.3)	
-4.5m	kg	*9580	*9580	*11500	*11500	*15760	*15760	*14400	10760	*11470	7750	*9360	5960	*7750	4770	*6400	3930			*5950	3710	12.50	
-14.8ft	lb	*21120	*21120	*25350	*25350	*34740	*34740	*31750	23720	*25290	17090	*20640	13140	*17090	10520	*14110	8660			*13120	8180	(41.0)	
-6.0m	kg	*12310	*12310	*14730	*14730	*16720	*16720	*13140	10920	*10590	7830	*8650	6010	*7060	4830					*5980	4240	11.55	
-19.7ft	lb	*27140	*27140	*32470	*32470	*36860	*36860	*28970	24070	*23350	17260	*19070	13250	*15560	10650					*13180	9350	(37.9)	
-7.5m	kg			*18050	*18050	*13990	*13990	*11240	11230	*9120	8040	*7360	6190							*5870	5160	10.31	
-24.6ft	lb			*39790	*39790	*30840	*30840	*24780	24760	*20110	17730	*16230	13650							*12940	11380	(33.8)	
-9.0m	kg					*10190	*10190	*8390	*8390	*6720	*6720									*5410	*5410	8.62	
-29.5ft	lb					*22470	*22470	*18500	*18500	*14820	*14820									*11930	*11930	(28.3)	

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.

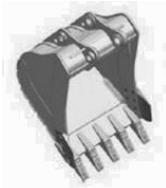
Consult with your local Hyundai dealer regarding the lifting capacities for specific work tools and attachments.

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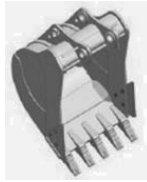
6. BUCKET SELECTION GUIDE

1) HX500L

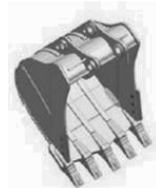
(2) 9700 kg counterweight



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			
						2.55 m (8' 4") Arm	2.90 m (9' 6") 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
m³ (yd³)	m³ (yd³)	mm (in)	kg (lb)	EA							
General bucket	1.38 (1.80)	1.24 (1.62)	1130 (44.5)	1640 (3620)	4	●	●	●	●	●	●
	2.20 (2.88)	1.93 (2.52)	1600 (63.0)	2020 (4450)	5	●	●	●	◐	◐	■
	3.00 (3.92)	2.64 (3.45)	1905 (75.0)	2425 (5350)	6	■	■	■	▲	▲	X
Heavy duty	2.20 (2.88)	1.93 (2.52)	1600 (63.0)	2325 (5130)	5	●	●	●	◐	◐	■
	2.79 (3.65)	2.46 (3.22)	1795 (70.7)	2615 (5770)	5	◐	■	■	■	▲	▲
	3.20 (4.19)	2.82 (3.69)	2015 (79.3)	2860 (6310)	6	■	▲	▲	▲	X	X
	2.43 (3.18)	2.11 (2.76)	1745 (68.7)	2344.45 (5066)	5	■	X	X	X	X	-
Rock heavy duty	2.20 (2.88)	2.11 (2.76)	1600 (63.0)	2605 (5740)	5	●	◐	◐	■	■	-
	2.43 (3.18)	0.76 (0.99)	1745 (68.7)	2730 (6020)	5	■	■	■	▲	▲	-
	2.79 (3.65)	2.46 (3.22)	1795 (70.7)	2970 (6550)	5	■	▲	▲	X	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 Hyundai 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 HD	(24)	600	(24)
HX520L	Operating weight	kg	(lb)	48860	107720	49580	109310	50110	110470	50620	111600	49250	108580	49100	108250
	Ground pressure	kgf/cm ²	(psi)	0.85	(12.1)	0.74	(10.5)	0.65	(9.3)	0.59	(8.3)	0.86	(12.2)	0.85	(12.1)
	Overall width	mm	(ft-in)	3340	(10' 11")	3440	(11' 3")	3540	(11' 7")	3640	(11' 11")	3340	(10' 11")	3340	(10' 11")
	Link quantity	EA		53		53		53		53		53		53	
HX520LT3	Operating weight	kg	(lb)	51390	113300	52120	114900	52650	116070	53160	117200	51780	114160	51630	113820
	Ground pressure	kgf/cm ²	(psi)	0.89	(12.7)	0.78	(11.0)	0.69	(9.7)	0.62	(8.8)	0.90	(12.8)	0.90	(12.7)
	Overall width	mm	(ft-in)	3540	(11' 7")	3640	(11' 11")	3740	(12' 3")	3840	(12' 7")	3540	(11' 7")	3540	(11' 7")
	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

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	335 Hp (250 kW) at 2100 rpm
Net power	330 Hp (246 kW) at 2100 rpm
Max. pHXower	370 Hp (276 kW) at 1800 rpm
Peak Torque	1674 N·m (1235 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 × 405 ℓ /min (107 U.S. gpm/89.1 U.K. gpm)
Rated speed	1800 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	24.7 ℓ /min (6.5 U.S. gpm/5.4 U.K. gpm)

4) MAIN CONTROL VALVE

Item	Specification
Type	9 spools
Operating method	Hydraulic pilot system
Main relief valve pressure	330 kgf/cm ² (4690 psi) [360 kgf/cm ² (5120 psi)]
Port relief valve pressure	Boom 400 kgf/cm ² (5690 psi)
	Arm 400 kgf/cm ² (5690 psi)
	Bucket 400 kgf/cm ² (5690 psi)

[] : Power boost

5) SWING MOTOR

Item	Specification
Type	Two fixed displacement axial piston motor
Capacity	142.8 cc/rev
Relief pressure	285 kgf/cm ² (4054 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	63 kgf · m (456 lbf · ft)
Brake release pressure	Cranking 20.9 kgf · m (151 lbf · ft)
	Full stroke 35.5 kgf · m (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 × 1850 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Stroke	HX480LT3
		HX480LT3★
		HX520LT3
	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.

★ Only for 6.55 m (21' 6") boom and 2.55 m (8' 4") arm.

9. RECOMMENDED OILS

HYUNDAI 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 HYUNDAI and, therefore, will meet the highest safety and quality requirements.

We recommend that you use only HYUNDAI genuine lubricating oils and grease officially approved by HYUNDAI.

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			
Swing drive	Gear oil	7.0 (1.8) × 2	★SAE 75W-90								
Final drive		12.5 (3.3) × 2						SAE 80W-90			
Hydraulic tank	Hydraulic oil	Tank : 275 (72.6)	★ISO VG 15								
								ISO VG 32			
		System : 499 (132)						ISO VG 46			
								ISO VG 68			
Fuel tank	Diesel fuel★ ¹	660 (174)	★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

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

※ Do not mix HYUNDAI 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 HYUNDAI genuine lubricating oils and grease for use in regions with extremely low temperatures, please contact your local HYUNDAI dealers.