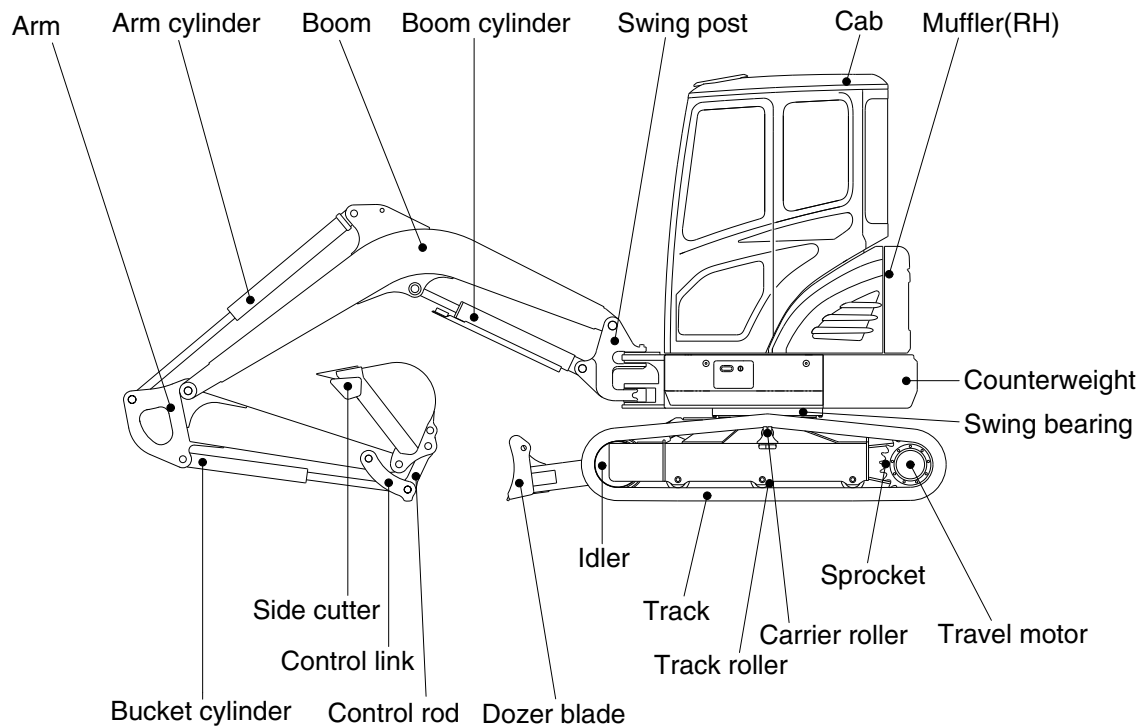
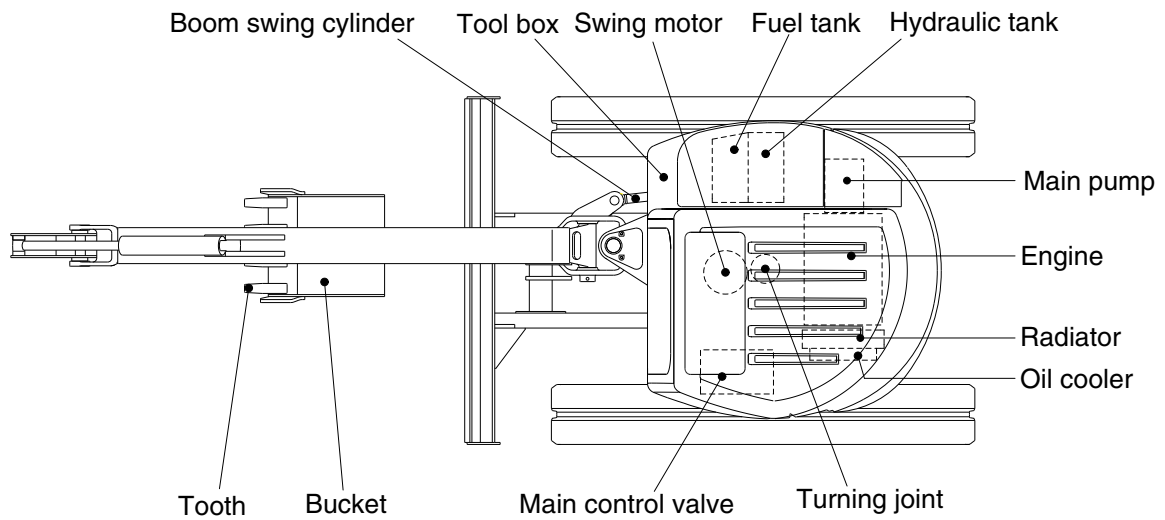


SPECIFICATIONS

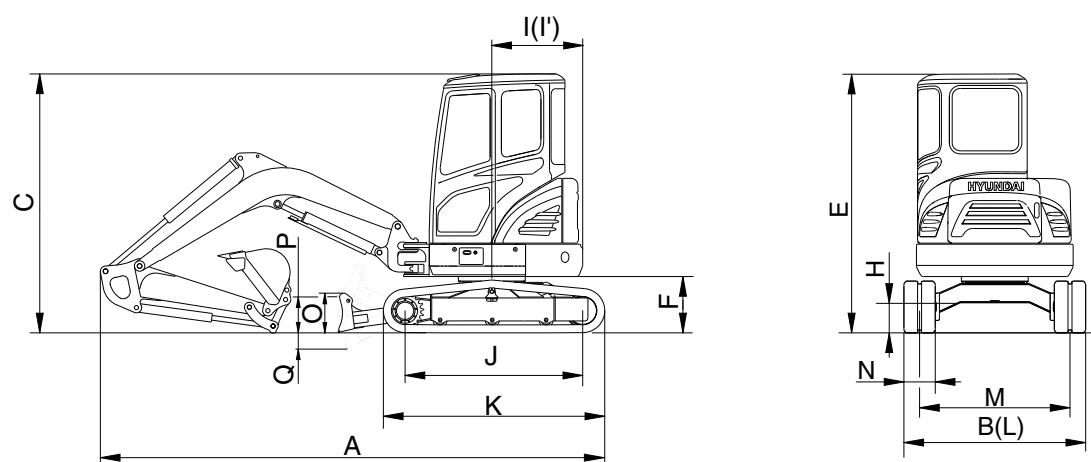
1. MAJOR COMPONENT



30Z9AK2SP01

2. SPECIFICATIONS

1) 2.03 m (6' 8") MONO BOOM, 1.12 m (3' 8") ARM, WITH BOOM SWING POST

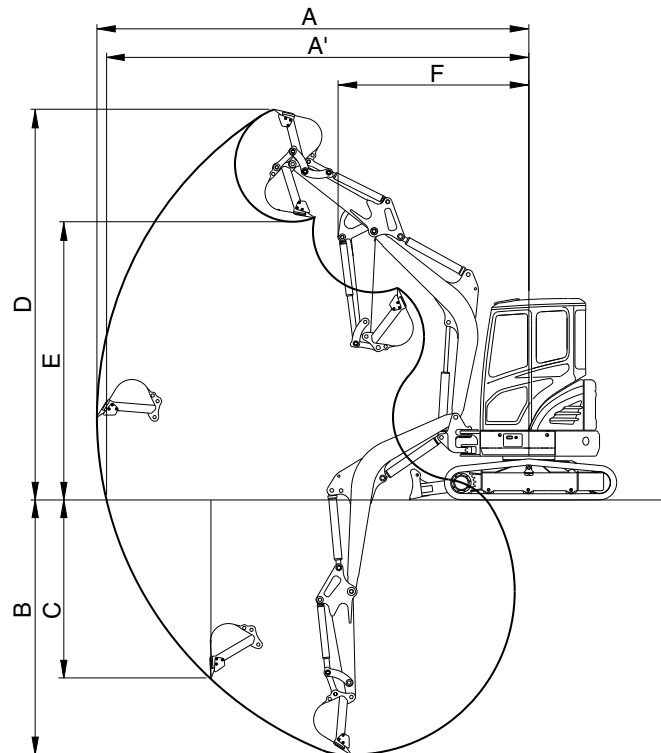


30Z9AK2SP02

Description		Unit	Specification
Operating weight (cabin / canopy)		kg (lb)	3005 (6620) / 2895 (6380)
Bucket capacity (SAE heaped), standard		m ³ (yd ³)	0.08 (0.10)
Overall length	A	mm (ft-in)	4180 (13' 3")
Overall width, with 300 mm shoe	B		1550 (5' 1")
Overall height (cabin / canopy)	C		2485 (8' 2") / 2465 (8' 1")
Overall height of (cabin / canopy)	E		2485 (8' 2") / 2465 (8' 1")
Ground clearance of counterweight	F		540 (1' 9")
Minimum ground clearance	H		290 (0' 11")
Rear-end distance	I		775 (2' 7")
Rear-end swing radius	I'		775 (2' 7")
Distance between tumblers	J		1550 (4' 11")
Undercarriage length	K		1970 (6' 6")
Undercarriage width	L		1500 (4' 11")
Track gauge	M		1250 (4' 1")
Track shoe width, standard	N		300 (9.8")
Height of blade	O		300 (1' 0")
Ground clearance of blade up	P		350 (1' 2")
Depth of blade down	Q		370 (1' 3")
Travel speed (low/high)		km/hr (mph)	2.4/4.3 (1.5/2.7)
Swing speed		rpm	9.1
Gradeability		Degree (%)	30 (58)
Ground pressure 300 mm rubber shoe (cab / canopy)		kgf/cm ² (psi)	0.27 (3.84) / 0.26 (3.70)

3. WORKING RANGE

1) 2.03 m (6' 8") MONO BOOM WITH BOOM SWING POST



30Z9AK2SP03

Description		1.12 m (3' 8") Arm
Max digging reach	A	4650 mm (15' 3")
Max digging reach on ground	A'	4515 mm (14' 10")
Max digging depth	B	2500 mm (8' 2")
Max vertical wall digging depth	C	2085 mm (6' 10")
Max digging height	D	4270 mm (14' 10")
Max dumping height	E	2890 mm (9' 6")
Min swing radius	F	2055 mm (6' 9")
Boom swing radius (left/right)		75°/50°
Bucket digging force	SAE	17.9 kN
		1830 kgf
		4030 lbf
	ISO	20.1 kN
		2050 kgf
		4520 lbf
Arm crowd force	SAE	13.1 kN
		1340 kgf
		2950 lbf
	ISO	13.7 kN
		1400 kgf
		3090 lbf

4. WEIGHT

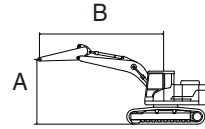
Item	kg	lb
Upperstructure assembly	1640	3620
Main frame weld assembly	310	684
Engine assembly	136	300
Main pump assembly	19	42
Main control valve assembly	25	55
Swing motor assembly	34	75
Hydraulic oil tank assembly	35	77
Fuel tank assembly	15	33
Boom swing post	80	180
Counterweight	230	507
Cab assembly	210	460
Lower chassis assembly	910	2010
Track frame weld assembly	400	880
Swing bearing	50	110
Travel motor assembly	36	80
Turning joint	11	24
Track recoil spring	14	31
Idler	21	45
Carrier roller	3	7
Track roller	10	22
Sprocket	7	15
Rubber track (300 mm)	149	328
Dozer blade assembly	125	275
Front attachment assembly (2.03 m boom, 1.12 m arm, 0.08 m³ SAE heaped bucket)	330	730
2.03 m boom assembly	94	207
1.12 m arm assembly	54	119
0.08 m³ SAE heaped bucket	62	137
Boom cylinder assembly	26	57
Arm cylinder assembly	26	57
Bucket cylinder assembly	20	44
Bucket control link assembly	20	45
Dozer cylinder assembly	24	53
Boom swing cylinder assembly	23	51

5. LIFTING CAPACITIES

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtrigger	
R30Z-9AK	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	220	250	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m	kg											*720	560	2.64
(11.5 ft)	lb											*1590	1230	(8.6)
3.0 m	kg					*690	460					*620	410	3.20
(9.8 ft)	lb					*1520	1010					*1370	900	(10.5)
2.5 m	kg					*690	460	*700	350			*580	340	3.55
(8.2 ft)	lb					*1520	1010	*1540	770			*1280	750	(11.7)
2.0 m	kg			*830	600	*760	450	*720	350			*570	300	3.78
(6.6 ft)	lb			*1830	1320	*1680	990	*1590	770			*1260	660	(12.4)
1.5 m	kg			*1060	570	*870	430	*780	340			*580	280	3.91
(4.9 ft)	lb			*2340	1260	*1920	950	*1720	750			*1280	620	(12.8)
1.0 m	kg			*1300	550	*990	420	*840	330			*600	270	3.95
(3.3 ft)	lb			*2870	1210	*2180	930	*1850	740			*1320	600	(13.0)
0.5 m	kg			*1450	530	*1090	400	*890	320			*650	270	3.91
(1.6 ft)	lb			*3200	1170	*2400	880	*1960	710			*1430	600	(12.8)
Ground Line	kg	*1550	730	*1500	520	*1130	400	*900	320			*740	290	3.78
	lb	*3420	1610	*3310	1150	*2490	880	*1980	710			*1630	640	(12.4)
-0.5 m	kg	*2020	730	*1450	510	*1100	390	*850	320			*820	310	3.56
(-1.6 ft)	lb	*4450	1610	*3200	1120	*2430	860	*1870	710			*1810	680	(11.7)
-1.0 m	kg	*1770	740	*1300	520	*970	400					*840	360	3.21
(-3.3 ft)	lb	*3900	1630	*2870	1150	*2140	880					*1850	790	(10.5)
-1.5 m	kg	*1330	750	*950	530							*830	490	2.66
(-4.9 ft)	lb	*2930	1650	*2090	1170							*1830	1080	(8.7)

Note 1. Lifting capacity are based on SAE J1097 and ISO 10567.

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

3. The load point is a hook located on the back of the bucket.

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

※ Please be aware of the local regulations and instructions for lifting operations.

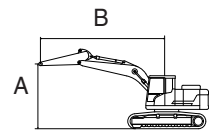
▲ Failure to comply to the rated load can cause possible personal injury or property damage.

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

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Cabin	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	220	250	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

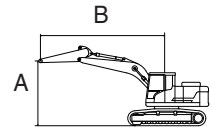


Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m (11.5 ft)	kg lb											*720 *1590	620 1370	2.64 (8.6)
3.0 m (9.8 ft)	kg lb					*690 *1520	500 1100					*620 *1370	450 990	3.20 (10.5)
2.5 m (8.2 ft)	kg lb					*690 *1520	500 1100	*700 *1540	390 860			*580 *1280	380 840	3.55 (11.7)
2.0 m (6.6 ft)	kg lb			*830 *1830	660 1460	*760 *1680	490 1080	*720 *1590	380 840			*570 *1260	340 750	3.78 (12.4)
1.5 m (4.9 ft)	kg lb			*1060 *2340	630 1390	*870 *1920	480 1060	*780 *1720	380 840			*580 *1280	320 710	3.91 (12.8)
1.0 m (3.3 ft)	kg lb			*1300 *2870	600 1320	*990 *2180	460 1010	*840 *1850	370 820			*600 *1320	310 680	3.95 (13.0)
0.5 m (1.6 ft)	kg lb			*1450 *3200	580 1280	*1090 *2400	450 990	*890 *1960	360 790			*650 *1430	310 680	3.91 (12.8)
Ground Line	kg lb	*1550 *3420	810 1790	*1500 *3310	580 1280	*1130 *2490	440 970	*900 *1980	360 790			*740 *1630	320 710	3.78 (12.4)
-0.5 m (-1.6 ft)	kg lb	*2020 *4450	810 1790	*1450 *3200	570 1260	*1100 *2430	440 970	*850 *1870	360 790			*820 *1810	350 770	3.56 (11.7)
-1.0 m (-3.3 ft)	kg lb	*1770 *3900	820 1810	*1300 *2870	580 1280	*970 *2140	440 970					*840 *1850	410 900	3.21 (10.5)
-1.5 m (-4.9 ft)	kg lb	*1330 *2930	830 1830	*950 *2090	590 1300							*830 *1830	540 1190	2.66 (8.7)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	220	250	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

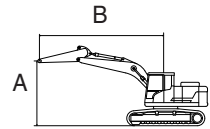


Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m	kg											660	530	2.64
(11.5 ft)	lb											1460	1170	(8.6)
3.0 m	kg					530	430					480	380	3.20
(9.8 ft)	lb					1170	950					1060	840	(10.5)
2.5 m	kg					530	430	410	330			400	320	3.55
(8.2 ft)	lb					1170	950	900	730			880	710	(11.7)
2.0 m	kg			710	560	520	420	400	320			350	280	3.78
(6.6 ft)	lb			1570	1230	1150	930	880	710			770	620	(12.4)
1.5 m	kg			680	530	510	400	400	320			330	260	3.91
(4.9 ft)	lb			1500	1170	1120	880	880	710			730	570	(12.8)
1.0 m	kg			650	510	490	390	390	310			320	260	3.95
(3.3 ft)	lb			1430	1120	1080	860	860	680			710	570	(13.0)
0.5 m	kg			630	490	480	380	380	300			320	260	3.91
(1.6 ft)	lb			1390	1080	1060	840	840	660			710	570	(12.8)
Ground Line	kg	890	670	620	480	470	370	380	300			340	270	3.78
	lb	1960	1480	1370	1060	1040	820	840	660			750	600	(12.4)
-0.5 m	kg	890	670	620	480	470	370	370	300			370	290	3.56
(-1.6 ft)	lb	1960	1480	1370	1060	1040	820	820	660			820	640	(11.7)
-1.0 m	kg	900	680	620	480	470	370					430	340	3.21
(-3.3 ft)	lb	1980	1500	1370	1060	1040	820					950	750	(10.5)
-1.5 m	kg	920	700	630	490							580	450	2.66
(-4.9 ft)	lb	2030	1540	1390	1080							1280	990	(8.7)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Cabin	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	220	250	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

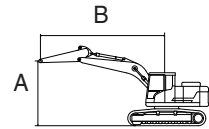


Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m	kg											*720	580	2.64
(11.5 ft)	lb											*1590	1280	(8.6)
3.0 m	kg					590	470					530	420	3.20
(9.8 ft)	lb					1300	1040					1170	930	(10.5)
2.5 m	kg					590	470	450	360			440	350	3.55
(8.2 ft)	lb					1300	1040	990	790			970	770	(11.7)
2.0 m	kg			780	620	580	460	450	360			390	320	3.78
(6.6 ft)	lb			1720	1370	1280	1010	990	790			860	710	(12.4)
1.5 m	kg			750	590	560	450	440	350			370	300	3.91
(4.9 ft)	lb			1650	1300	1230	990	970	770			820	660	(12.8)
1.0 m	kg			720	560	550	430	430	340			360	290	3.95
(3.3 ft)	lb			1590	1230	1210	950	950	750			790	640	(13.0)
0.5 m	kg			700	540	530	420	420	340			360	290	3.91
(1.6 ft)	lb			1540	1190	1170	930	930	750			790	640	(12.8)
Ground Line	kg	990	750	690	530	530	410	420	330			380	300	3.78
	lb	2180	1650	1520	1170	1170	900	930	730			840	660	(12.4)
-0.5 m	kg	990	750	690	530	520	410	420	330			410	320	3.56
(-1.6 ft)	lb	2180	1650	1520	1170	1150	900	930	730			900	710	(11.7)
-1.0 m	kg	1000	760	690	540	530	410					480	380	3.21
(-3.3 ft)	lb	2200	1680	1520	1190	1170	900					1060	840	(10.5)
-1.5 m	kg	1020	770	710	550							640	500	2.66
(-4.9 ft)	lb	2250	1700	1570	1210							1410	1100	(8.7)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	350	250	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

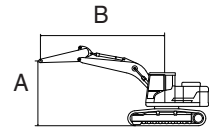


Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m (11.5 ft)	kg lb											*720 *1590	630 1390	2.64 (8.6)
3.0 m (9.8 ft)	kg lb					*690 *1520	520 1150					*620 *1370	470 1040	3.20 (10.5)
2.5 m (8.2 ft)	kg lb					*690 *1520	520 1150	*700 *1540	400 880			*580 *1280	390 860	3.55 (11.7)
2.0 m (6.6 ft)	kg lb			*830 *1830	680 1500	*760 *1680	510 1120	*720 *1590	400 880			*570 *1260	350 770	3.78 (12.4)
1.5 m (4.9 ft)	kg lb			*1060 *2340	650 1430	*870 *1920	490 1080	*780 *1720	390 860			*580 *1280	330 730	3.91 (12.8)
1.0 m (3.3 ft)	kg lb			*1300 *2870	630 1390	*990 *2180	480 1060	*840 *1850	380 840			*600 *1320	320 710	3.95 (13.0)
0.5 m (1.6 ft)	kg lb			*1450 *3200	610 1340	*1090 *2400	470 1040	*890 *1960	370 820			*650 *1430	320 710	3.91 (12.8)
Ground Line	kg lb	*1550 *3420	840 1850	*1500 *3310	600 1320	*1130 *2490	460 1010	*900 *1980	370 820			*740 *1630	330 730	3.78 (12.4)
-0.5 m (-1.6 ft)	kg lb	*2020 *4450	840 1850	*1450 *3200	590 1300	*1100 *2430	460 1010	*850 *1870	370 820			*820 *1810	360 790	3.56 (11.7)
-1.0 m (-3.3 ft)	kg lb	*1770 *3900	850 1870	*1300 *2870	600 1320	*970 *2140	460 1010					*840 *1850	420 930	3.21 (10.5)
-1.5 m (-4.9 ft)	kg lb	*1330 *2930	860 1900	*950 *2090	610 1340							*830 *1830	560 1230	2.66 (8.7)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Cabin	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	350	250	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

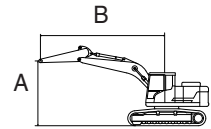


Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m (11.5 ft)	kg lb											*720 *1590	690 1520	2.64 (8.6)
3.0 m (9.8 ft)	kg lb					*690 *1520	570 1260					*620 *1370	510 1120	3.20 (10.5)
2.5 m (8.2 ft)	kg lb					*690 *1520	560 1230	*700 *1540	440 970			*580 *1280	430 950	3.55 (11.7)
2.0 m (6.6 ft)	kg lb			*830 *1830	740 1630	*760 *1680	550 1210	*720 *1590	440 970			*570 *1260	380 840	3.78 (12.4)
1.5 m (4.9 ft)	kg lb			*1060 *2340	710 1570	*870 *1920	540 1190	*780 *1720	430 950			*580 *1280	360 790	3.91 (12.8)
1.0 m (3.3 ft)	kg lb			*1300 *2870	680 1500	*990 *2180	530 1170	*840 *1850	420 930			*600 *1320	350 770	3.95 (13.0)
0.5 m (1.6 ft)	kg lb			*1450 *3200	660 1460	*1090 *2400	510 1120	*890 *1960	410 900			*650 *1430	350 770	3.91 (12.8)
Ground Line	kg lb	*1550 *3420	920 2030	*1500 *3310	650 1430	*1130 *2490	510 1120	*900 *1980	410 900			*740 *1630	370 820	3.78 (12.4)
-0.5 m (-1.6 ft)	kg lb	*2020 *4450	920 2030	*1450 *3200	650 1430	*1100 *2430	500 1100	*850 *1870	410 900			*820 *1810	400 880	3.56 (11.7)
-1.0 m (-3.3 ft)	kg lb	*1770 *3900	930 2050	*1300 *2870	660 1460	*970 *2140	510 1120					*840 *1850	460 1010	3.21 (10.5)
-1.5 m (-4.9 ft)	kg lb	*1330 *2930	940 2070	*950 *2090	670 1480							*830 *1830	610 1340	2.66 (8.7)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	350	250	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

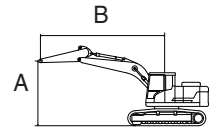


Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m (11.5 ft)	kg											*720	600	2.64
	lb											*1590	1320	(8.6)
3.0 m (9.8 ft)	kg					600	490					540	440	3.20
	lb					1320	1080					1190	970	(10.5)
2.5 m (8.2 ft)	kg					600	490	460	380			450	370	3.55
	lb					1320	1080	1010	840			990	820	(11.7)
2.0 m (6.6 ft)	kg			800	640	590	480	460	370			410	330	3.78
	lb			1760	1410	1300	1060	1010	820			900	730	(12.4)
1.5 m (4.9 ft)	kg			770	610	580	460	450	370			380	310	3.91
	lb			1700	1340	1280	1010	990	820			840	680	(12.8)
1.0 m (3.3 ft)	kg			740	580	560	450	450	360			370	300	3.95
	lb			1630	1280	1230	990	990	790			820	660	(13.0)
0.5 m (1.6 ft)	kg			720	570	550	440	440	350			370	300	3.91
	lb			1590	1260	1210	970	970	770			820	660	(12.8)
Ground Line	kg	1020	780	710	560	540	430	430	350			390	310	3.78
	lb	2250	1720	1570	1230	1190	950	950	770			860	680	(12.4)
-0.5 m (-1.6 ft)	kg	1020	780	710	550	540	430	430	350			420	340	3.56
	lb	2250	1720	1570	1210	1190	950	950	770			930	750	(11.7)
-1.0 m (-3.3 ft)	kg	1030	790	710	560	540	430					490	390	3.21
	lb	2270	1740	1570	1230	1190	950					1080	860	(10.5)
-1.5 m (-4.9 ft)	kg	1050	800	730	570							660	520	2.66
	lb	2310	1760	1610	1260							1460	1150	(8.7)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Cabin	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1120	350	250	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

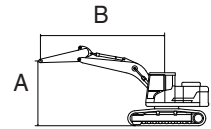


Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m (11.5 ft)	kg lb											*720 *1590	650 1430	2.64 (8.6)
3.0 m (9.8 ft)	kg lb					660 1460	530 1170					590 1300	480 1060	3.20 (10.5)
2.5 m (8.2 ft)	kg lb					660 1460	530 1170	510 1120	410 900			500 1100	400 880	3.55 (11.7)
2.0 m (6.6 ft)	kg lb			*830 *1830	690 1520	650 1430	520 1150	510 1120	410 900			450 990	360 790	3.78 (12.4)
1.5 m (4.9 ft)	kg lb			840 1850	670 1480	630 1390	510 1120	500 1100	400 880			420 930	340 750	3.91 (12.8)
1.0 m (3.3 ft)	kg lb			810 1790	640 1410	620 1370	490 1080	490 1080	390 860			410 900	330 730	3.95 (13.0)
0.5 m (1.6 ft)	kg lb			790 1740	620 1370	600 1320	480 1060	480 1060	390 860			410 900	330 730	3.91 (12.8)
Ground Line	kg lb	1120 2470	850 1870	780 1720	610 1340	600 1320	470 1040	480 1060	380 840			430 950	340 750	3.78 (12.4)
-0.5 m (-1.6 ft)	kg lb	1120 2470	860 1900	780 1720	610 1340	590 1300	470 1040	480 1060	380 840			470 1040	370 820	3.56 (11.7)
-1.0 m (-3.3 ft)	kg lb	1130 2490	860 1900	780 1720	610 1340	600 1320	470 1040					540 1190	430 950	3.21 (10.5)
-1.5 m (-4.9 ft)	kg lb	1150 2540	880 1940	800 1760	630 1390							730 1610	580 1280	2.66 (8.7)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1350	220	250	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

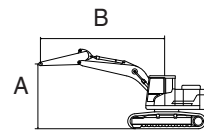


Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m (11.5 ft)	kg lb											*550 *1210	460 1010	2.99 (9.8)
3.0 m (9.8 ft)	kg lb											*490 *1080	360 790	3.48 (11.4)
2.5 m (8.2 ft)	kg lb					*590 *1300	460 1010	*620 *1370	350 770			*470 *1040	300 660	3.80 (12.5)
2.0 m (6.6 ft)	kg lb					*670 *1480	450 990	*660 *1460	350 770	*470 *1040	270 600	*460 *1010	270 600	4.01 (13.1)
1.5 m (4.9 ft)	kg lb	*1220 *2690	830 1830	*920 *2030	580 1280	*790 *1740	430 950	*720 *1590	340 750	*680 *1500	270 600	*470 *1040	260 570	4.13 (13.5)
1.0 m (3.3 ft)	kg lb			*1180 *2600	550 1210	*930 *2050	420 930	*790 *1740	330 730	*710 *1570	270 600	*480 *1060	250 550	4.17 (13.7)
0.5 m (1.6 ft)	kg lb	*1340 *2950	730 1610	*1380 *3040	530 1170	*1040 *2290	400 880	*860 *1900	320 710	*740 *1630	260 570	*520 *1150	250 550	4.13 (13.5)
Ground Line	kg lb	*1540 *3400	720 1590	*1480 *3260	510 1120	*1110 *2450	390 860	*890 *1960	310 680	*610 *1340	260 570	*580 *1280	260 570	4.01 (13.2)
-0.5 m (-1.6 ft)	kg lb	*2020 *4450	720 1590	*1480 *3260	510 1120	*1120 *2470	390 860	*890 *1960	310 680			*670 *1480	280 620	3.80 (12.5)
-1.0 m (-3.3 ft)	kg lb	*1920 *4230	720 1590	*1380 *3040	510 1120	*1040 *2290	390 860					*790 *1740	320 710	3.49 (11.4)
-1.5 m (-4.9 ft)	kg lb	*1570 *3460	730 1610	*1140 *2510	520 1150	*800 *1760	400 880					*800 *1760	400 880	3.01 (9.9)
-2.0 m (-6.6 ft)	kg lb	*890 *1960	760 1680									*740 *1630	650 1430	2.21 (7.2)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Cabin	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1350	220	250	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

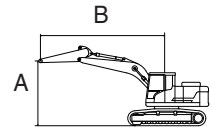


Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m (11.5 ft)	kg lb											*550 *1210	500 1100	2.99 (9.8)
3.0 m (9.8 ft)	kg lb											*490 *1080	390 860	3.48 (11.4)
2.5 m (8.2 ft)	kg lb					*590 *1300	510 1120	*620 *1370	390 860			*470 *1040	340 750	3.80 (12.5)
2.0 m (6.6 ft)	kg lb					*670 *1480	500 1100	*660 *1460	390 860	*470 *1040	310 680	*460 *1010	310 680	4.01 (13.1)
1.5 m (4.9 ft)	kg lb	*1220 *2690	910 2010	*920 *2030	640 1410	*790 *1740	480 1060	*720 *1590	380 840	*680 *1500	300 660	*470 *1040	290 640	4.13 (13.5)
1.0 m (3.3 ft)	kg lb			*1180 *2600	610 1340	*930 *2050	460 1010	*790 *1740	370 820	*710 *1570	300 660	*480 *1060	280 620	4.17 (13.7)
0.5 m (1.6 ft)	kg lb	*1340 *2950	810 1790	*1380 *3040	580 1280	*1040 *2290	450 990	*860 *1900	360 790	*740 *1630	290 640	*520 *1150	280 620	4.13 (13.5)
Ground Line	kg lb	*1540 *3400	800 1760	*1480 *3260	570 1260	*1110 *2450	440 970	*890 *1960	350 770	*610 *1340	290 640	*580 *1280	290 640	4.01 (13.2)
-0.5 m (-1.6 ft)	kg lb	*2020 *4450	800 1760	*1480 *3260	560 1230	*1120 *2470	430 950	*890 *1960	350 770			*670 *1480	310 680	3.80 (12.5)
-1.0 m (-3.3 ft)	kg lb	*1920 *4230	800 1760	*1380 *3040	570 1260	*1040 *2290	430 950					*790 *1740	350 770	3.49 (11.4)
-1.5 m (-4.9 ft)	kg lb	*1570 *3460	810 1790	*1140 *2510	570 1260	*800 *1760	440 970					*800 *1760	440 970	3.01 (9.9)
-2.0 m (-6.6 ft)	kg lb	*890 *1960	840 1850									*740 *1630	720 1590	2.21 (7.2)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1350	220	250	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

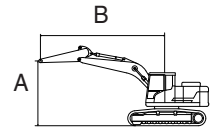


Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m (11.5 ft)	kg lb											530 1170	430 950	2.99 (9.8)
3.0 m (9.8 ft)	kg lb											410 900	330 730	3.48 (11.4)
2.5 m (8.2 ft)	kg lb					540 1190	430 950	410 900	330 730			350 770	280 620	3.80 (12.5)
2.0 m (6.6 ft)	kg lb					530 1170	420 930	410 900	330 730	320 710	260 570	320 710	260 570	4.01 (13.1)
1.5 m (4.9 ft)	kg lb	1010 2230	780 1720	690 1520	540 1190	510 1120	410 900	400 880	320 710	320 710	250 550	300 660	240 530	4.13 (13.5)
1.0 m (3.3 ft)	kg lb			660 1460	510 1120	490 1080	390 860	390 860	310 680	310 680	250 550	290 640	230 510	4.17 (13.7)
0.5 m (1.6 ft)	kg lb	900 1980	680 1500	630 1390	490 1080	480 1060	380 840	380 840	300 660	310 680	240 530	290 640	230 510	4.13 (13.5)
Ground Line	kg lb	880 1940	660 1460	610 1340	470 1040	470 1040	360 790	370 820	290 640	300 660	240 530	300 660	240 530	4.01 (13.2)
-0.5 m (-1.6 ft)	kg lb	880 1940	660 1460	610 1340	470 1040	460 1010	360 790	370 820	290 640			330 730	260 570	3.80 (12.5)
-1.0 m (-3.3 ft)	kg lb	890 1960	670 1480	610 1340	470 1040	460 1010	360 790					370 820	290 640	3.49 (11.4)
-1.5 m (-4.9 ft)	kg lb	900 1980	680 1500	620 1370	480 1060	470 1040	370 820					470 1040	370 820	3.01 (9.9)
-2.0 m (-6.6 ft)	kg lb	*890 *1960	700 1540									*740 *1630	600 1320	2.21 (7.2)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Cabin	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1350	220	250	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

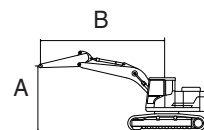


Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m (11.5 ft)	kg lb											*550 *1210	470 1040	2.99 (9.8)
3.0 m (9.8 ft)	kg lb											460 1010	370 820	3.48 (11.4)
2.5 m (8.2 ft)	kg lb					590 1300	470 1040	460 1010	370 820			390 860	320 710	3.80 (12.5)
2.0 m (6.6 ft)	kg lb					580 1280	460 1010	450 990	360 790	360 790	290 640	360 790	290 640	4.01 (13.1)
1.5 m (4.9 ft)	kg lb	1110 2450	850 1870	760 1680	600 1320	560 1230	450 990	440 970	350 770	360 790	280 620	340 750	270 600	4.13 (13.5)
1.0 m (3.3 ft)	kg lb			730 1610	570 1260	550 1210	430 950	430 950	340 750	350 770	280 620	330 730	260 570	4.17 (13.7)
0.5 m (1.6 ft)	kg lb	1000 2200	750 1650	700 1540	540 1190	530 1170	420 930	420 930	330 730	350 770	270 600	330 730	260 570	4.13 (13.5)
Ground Line	kg lb	980 2160	740 1630	690 1520	530 1170	520 1150	410 900	420 930	330 730	340 750	270 600	340 750	270 600	4.01 (13.2)
-0.5 m (-1.6 ft)	kg lb	980 2160	740 1630	680 1500	520 1150	520 1150	400 880	410 900	320 710			370 820	290 640	3.80 (12.5)
-1.0 m (-3.3 ft)	kg lb	990 2180	740 1630	680 1500	530 1170	520 1150	400 880					420 930	330 730	3.49 (11.4)
-1.5 m (-4.9 ft)	kg lb	1000 2200	750 1650	690 1520	530 1170	530 1170	410 900					520 1150	410 900	3.01 (9.9)
-2.0 m (-6.6 ft)	kg lb	*890 *1960	780 1720									*740 *1630	670 1480	2.21 (7.2)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1350	350	250	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

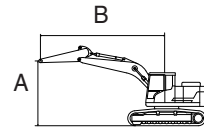


Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m (11.5 ft)	kg lb											*550 *1210	520 1150	2.99 (9.8)
3.0 m (9.8 ft)	kg lb											*490 *1080	410 900	3.48 (11.4)
2.5 m (8.2 ft)	kg lb					*590 *1300	520 1150	*620 *1370	400 880			*470 *1040	350 770	3.80 (12.5)
2.0 m (6.6 ft)	kg lb					*670 *1480	510 1120	*660 *1460	400 880	*470 *1040	320 710	*460 *1010	320 710	4.01 (13.1)
1.5 m (4.9 ft)	kg lb	*1220 *2690	940 2070	*920 *2030	660 1460	*790 *1740	500 1100	*720 *1590	390 860	*680 *1500	320 710	*470 *1040	300 660	4.13 (13.5)
1.0 m (3.3 ft)	kg lb			*1180 *2600	630 1390	*930 *2050	480 1060	*790 *1740	380 840	*710 *1570	310 680	*480 *1060	290 640	4.17 (13.7)
0.5 m (1.6 ft)	kg lb	*1340 *2950	840 1850	*1380 *3040	610 1340	*1040 *2290	470 1040	*860 *1900	370 820	*740 *1630	310 680	*520 *1150	290 640	4.13 (13.5)
Ground Line	kg lb	*1540 *3400	830 1830	*1480 *3260	590 1300	*1110 *2450	460 1010	*890 *1960	370 820	*610 *1340	300 660	*580 *1280	300 660	4.01 (13.2)
-0.5 m (-1.6 ft)	kg lb	*2020 *4450	830 1830	*1480 *3260	590 1300	*1120 *2470	450 990	*890 *1960	360 790			*670 *1480	320 710	3.80 (12.5)
-1.0 m (-3.3 ft)	kg lb	*1920 *4230	830 1830	*1380 *3040	590 1300	*1040 *2290	450 990					*790 *1740	370 820	3.49 (11.4)
-1.5 m (-4.9 ft)	kg lb	*1570 *3460	840 1850	*1140 *2510	600 1320	*800 *1760	460 1010					*800 *1760	460 1010	3.01 (9.9)
-2.0 m (-6.6 ft)	kg lb	*890 *1960	870 1920									*740 *1630	*740 *1630	2.21 (7.2)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Cabin	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1350	350	250	-	Down	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

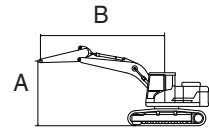


Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m (11.5 ft)	kg lb											*550 *1210	*550 1210	2.99 (9.8)
3.0 m (9.8 ft)	kg lb											*490 *1080	440 970	3.48 (11.4)
2.5 m (8.2 ft)	kg lb					*590 *1300	570 1260	*620 *1370	440 970			*470 *1040	380 840	3.80 (12.5)
2.0 m (6.6 ft)	kg lb					*670 *1480	560 1230	*660 *1460	440 970	*470 *1040	350 770	*460 *1010	350 770	4.01 (13.1)
1.5 m (4.9 ft)	kg lb	*1220 *2690	1020 2250	*920 *2030	720 1590	*790 *1740	540 1190	*720 *1590	430 950	*680 *1500	350 770	*470 *1040	330 730	4.13 (13.5)
1.0 m (3.3 ft)	kg lb			*1180 *2600	690 1520	*930 *2050	530 1170	*790 *1740	420 930	*710 *1570	340 750	*480 *1060	320 710	4.17 (13.7)
0.5 m (1.6 ft)	kg lb	*1340 *2950	920 2030	*1380 *3040	660 1460	*1040 *2290	510 1120	*860 *1900	410 900	*740 *1630	340 750	*520 *1150	320 710	4.13 (13.5)
Ground Line	kg lb	*1540 *3400	910 2010	*1480 *3260	650 1430	*1110 *2450	500 1100	*890 *1960	400 880	*610 *1340	330 730	*580 *1280	330 730	4.01 (13.2)
-0.5 m (-1.6 ft)	kg lb	*2020 *4450	910 2010	*1480 *3260	640 1410	*1120 *2470	500 1100	*890 *1960	400 880			*670 *1480	360 790	3.80 (12.5)
-1.0 m (-3.3 ft)	kg lb	*1920 *4230	910 2010	*1380 *3040	650 1430	*1040 *2290	500 1100					*790 *1740	400 880	3.49 (11.4)
-1.5 m (-4.9 ft)	kg lb	*1570 *3460	920 2030	*1140 *2510	650 1430	*800 *1760	510 1120					*800 *1760	500 1100	3.01 (9.9)
-2.0 m (-6.6 ft)	kg lb	*890 *1960	*890 *1960									*740 *1630	*740 *1630	2.21 (7.2)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Canopy	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1350	350	250	-	Up	-	-	-

·  : Rating over-front

·  : Rating over-side or 360 degree

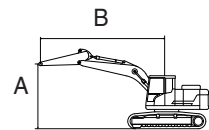


Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m (11.5 ft)	kg lb											*550 *1210	490 1080	2.99 (9.8)
3.0 m (9.8 ft)	kg lb											470 1040	380 840	3.48 (11.4)
2.5 m (8.2 ft)	kg lb					*590 *1300	490 1080	470 1040	380 840			410 900	330 730	3.80 (12.5)
2.0 m (6.6 ft)	kg lb					600 1320	480 1060	460 1010	380 840	370 820	300 660	370 820	300 660	4.01 (13.1)
1.5 m (4.9 ft)	kg lb	1140 2510	880 1940	780 1720	620 1370	580 1280	470 1040	450 990	370 820	370 820	300 660	350 770	280 620	4.13 (13.5)
1.0 m (3.3 ft)	kg lb			750 1650	590 1300	560 1230	450 990	440 970	360 790	360 790	290 640	340 750	270 600	4.17 (13.7)
0.5 m (1.6 ft)	kg lb	1030 2270	780 1720	720 1590	570 1260	550 1210	440 970	430 950	350 770	360 790	290 640	340 750	270 600	4.13 (13.5)
Ground Line	kg lb	1010 2230	770 1700	710 1570	550 1210	540 1190	430 950	430 950	340 750	350 770	280 620	350 770	280 620	4.01 (13.2)
-0.5 m (-1.6 ft)	kg lb	1010 2230	770 1700	700 1540	550 1210	530 1170	420 930	420 930	340 750			380 840	300 660	3.80 (12.5)
-1.0 m (-3.3 ft)	kg lb	1010 2230	770 1700	700 1540	550 1210	530 1170	420 930					430 950	340 750	3.49 (11.4)
-1.5 m (-4.9 ft)	kg lb	1030 2270	780 1720	710 1570	560 1230	540 1190	430 950					540 1190	430 950	3.01 (9.9)

Model	Type	Boom	Arm	Counterweight	Shoe	Wheel	Dozer		Outtriger	
R30Z-9AK	Cabin	Length [mm]	Length [mm]	weight [kg]	width [mm]	width [mm]	Front	Rear	Front	Rear
		2030	1350	350	250	-	Up	-	-	-

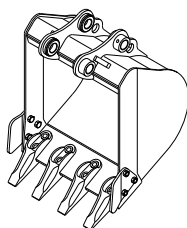
·  : Rating over-front

·  : Rating over-side or 360 degree



Lift-point height (A)		Lift-point radius (B)										At max. reach		
		2.0 m (6.6 ft)		2.5 m (8.2 ft)		3.0 m (9.8 ft)		3.5 m (11.5 ft)		4.0 m (13.1 ft)		Capacity		Reach
														m (ft)
3.5 m (11.5 ft)	kg lb											*550 *1210	530 1170	2.99 (9.8)
3.0 m (9.8 ft)	kg lb											*490 *1080	420 930	3.48 (11.4)
2.5 m (8.2 ft)	kg lb					*590 *1300	530 1170	510 1120	420 930			450 990	360 790	3.80 (12.5)
2.0 m (6.6 ft)	kg lb					650 1430	520 1150	510 1120	410 900	410 900	330 730	410 900	330 730	4.01 (13.1)
1.5 m (4.9 ft)	kg lb	*1220 *2690	960 2120	850 1870	670 1480	640 1410	510 1120	500 1100	400 880	400 880	330 730	380 840	310 680	4.13 (13.5)
1.0 m (3.3 ft)	kg lb			820 1810	640 1410	620 1370	490 1080	490 1080	390 860	400 880	320 710	370 820	300 660	4.17 (13.7)
0.5 m (1.6 ft)	kg lb	1130 2490	860 1900	790 1740	620 1370	600 1320	480 1060	480 1060	380 840	390 860	320 710	380 840	300 660	4.13 (13.5)
Ground Line	kg lb	1110 2450	850 1870	780 1720	610 1340	590 1300	470 1040	470 1040	380 840	390 860	310 680	390 860	310 680	4.01 (13.2)
-0.5 m (-1.6 ft)	kg lb	1110 2450	840 1850	770 1700	600 1320	590 1300	460 1010	470 1040	370 820			420 930	330 730	3.80 (12.5)
-1.0 m (-3.3 ft)	kg lb	1120 2470	850 1870	770 1700	600 1320	590 1300	460 1010					470 1040	380 840	3.49 (11.4)
-1.5 m (-4.9 ft)	kg lb	1130 2490	860 1900	780 1720	610 1340	600 1320	470 1040					590 1300	470 1040	3.01 (9.9)
-2.0 m (-6.6 ft)	kg lb	*890 *1960	880 1940									*740 *1630	*740 *1630	2.21 (7.2)

6. BUCKET SELECTION GUIDE



0.08 m³ SAE
heaped bucket

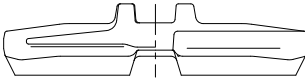
Capacity		Width		Weight	Recommendation
					2.03 m (6' 8") boom
SAE heaped	CECE heaped	Without side cutter	With side cutter		1.12 m (3' 8") arm
0.08m ³ (0.10yd ³)	0.06 m ³ (0.08 yd ³)	450 mm (17.7")	510 mm (20")	60 kg (132 lb)	Applicable for materials with density of 1600 kgf/m ³ (2700 lb /yd ³) or less

7. UNDERCARRIAGE

(1) TRACKS

X-leg type center frame is integrally welded with reinforced box-section track frames. The design includes dry tracks, lubricated rollers, idlers, sprockets, hydraulic track adjusters with shock absorbing springs and assembled track-type tractor shoes with triple grousers.

(2) TYPES OF SHOES

Model	Shapes		Rubber track	
				
			Cab	Canopy
R30Z-9AK	Shoe width	mm (in)	300 (12")	300 (12")
	Operating weight	kg (lb)	3005 (6620)	2895 (6380)
	Ground pressure	kgf/cm ² (psi)	0.29 (4.12)	0.27 (3.84)
	Overall width	mm (ft-in)	1550 (5' 1")	1550 (5' 1")

(3) NUMBER OF ROLLERS AND SHOES ON EACH SIDE

Item	Quantity
Carrier rollers	1 EA
Track rollers	3 EA

8. SPECIFICATIONS FOR MAJOR COMPONENTS

1) ENGINE

Item	Specification
Model	Kubota D1305
Type	4-cycle vertical overhead valve, diesel fuel
Cooling method	Water cooling
Number of cylinders and arrangement	3 cylinders, in-line
Firing order	1-2-3
Combustion chamber type	Swirl chamber type
Cylinder bore × stroke	78 × 88 mm (3.07" × 3.46")
Piston displacement	1261 cc (77.0 cu in)
Compression ratio	24 : 1
Rated gross horse power (SAE J1995)	24.9 Hp at 2400 rpm (18.5 kW at 2400 rpm)
Maximum torque at 1600 rpm	8.3 kgf · m (60.0 lbf · ft)
Engine oil quantity	5.7 l (1.5 U.S. gal)
Dry weight	102 kg (225 lb)
High idling speed	2350 ± 50 rpm
Low idling speed	1400 ± 50 rpm
Rated fuel consumption	192 g/Hp · hr at 2400 rpm (257 g/kW · hr at 2400 rpm)
Starting motor	12V-1.4 kW
Alternator	12V-40 A
Battery	1 × 12 V × 58 Ah (5h rating)

2) MAIN PUMP

Item	Specification
Type	Variable displacement tandem axis piston pumps
Capacity	2 × 12 cc/rev
Rated oil flow	2 × 27.6 l /min (7.3 U.S. gpm / 6.1 U.K. gpm)
Rated speed	2300 rpm

3) GEAR PUMP

Item	Specification
Type	Fixed displacement gear pump single stage
Capacity	8.5/4.5 cc/rev
Rated oil flow	19.6/10.4 l /min (5.2/2.7 U.S. gpm / 4.3/2.3 U.K. gpm)

4) MAIN CONTROL VALVE

Item	Specification
Type	Sectional, 9 spools (12 blocks)
Operating method	Hydraulic pilot system
Main relief valve pressure : P1, P2 / P3	220 kgf/cm ² (3130 psi) / 175 kgf/cm ² (2490 psi)
Overload relief valve pressure	240 kgf/cm ² (3410 psi)

5) SWING MOTOR

Item	Specification
Type	Fixed displacement axial piston motor
Capacity	12.5 cc/rev
Relief pressure	170 kgf/cm ² (2420 psi)
Braking system	Automatic, spring applied hydraulic released
Braking torque	7.0 kgf · m (50.6 lbf · ft)
Brake release pressure	25~50 kgf/cm ² (356~710 psi)
Reduction gear type	2 - stage planetary

6) TRAVEL MOTOR

Item	Specification
Type	Variable displacement axial piston motor
Relief pressure	220 kgf/cm ² (3130 psi)
Reduction gear type	2-stage planetary
Braking system	Automatic, spring applied hydraulic released
Brake release pressure	19 kgf/cm ² (270 psi)
Braking torque	5.7 kgf · m (41 lbf · ft)

7) CYLINDER

Item		Specification
Boom cylinder	Bore dia × Rod dia × Stroke	ø 75 × ø 45 × 565 mm
	Cushion	Extend only
Arm cylinder	Bore dia × Rod dia × Stroke	ø 70 × ø 45 × 500 mm
	Cushion	Extend and retract
Bucket cylinder	Bore dia × Rod dia × Stroke	ø 55 × ø 35 × 420 mm
	Cushion	-
Boom swing cylinder	Bore dia × Rod dia × Stroke	ø 75 × ø 40 × 400 mm
	Cushion	-
Dozer cylinder	Bore dia × Rod dia × Stroke	ø 95 × ø 50 × 140 mm
	Cushion	-

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

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

8) BUCKET

Item	Capacity		Tooth quantity	Width	
	SAE heaped	CECE heaped		Without side cutter	With side cutter
Standard	0.08 m ³ (0.10 yd ³)	0.06 m ³ (0.08 yd ³)	4	450 mm (17.7")	510 mm (20")

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	5.7 (1.5)	★SAE 5W-40								
								SAE 30			
				SAE 10W							
				SAE 10W-30							
					SAE 15W-40						
Final drive	Gear oil	0.6×2 (0.16×2)	★SAE 75W-90								
					SAE 85W-140						
Hydraulic tank	Hydraulic oil	Tank; 27 (7.1)	★ISO VG 15								
		System; 55 (14.5)			ISO VG 46, HBHO VG 46★ ³						
					ISO VG 68						
Fuel tank	Diesel fuel★ ¹	30 (7.9)	★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	5.0 (1.3)			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

★ : Cold region (Russia, CIS, Mongolia)

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

★² : Soft water
City water or distilled water

★³ : Hyundai Bio Hydraulic Oil

※ 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 HYUNDAI dealers.