

Wheel Excavators

R55W-7	2-1
R55W-7A	2-5
R55W-9	2-9
R55W-9A	2-13
R60W-9S	2-18
R140W-7	2-23
R140W-7A	2-27
R140W-9	2-31
R140W-9A	2-36
R140W-9S	2-40
HW140	2-45
R160W-9A	2-50
HW160	2-55
R170W-7	2-60
R170W-7A	2-64
R170W-9	2-68
R170W-9S	2-73
R180W-9A	2-78
R180W-9S	2-82
HW180	2-87
R200W-7	2-92
R200W-7A	2-96
R210W-9	2-100
R210W-9 MH	2-105
R210W-9A	2-110
R210W-9A MH	2-114
R210W-9S	2-118
HW210	2-123

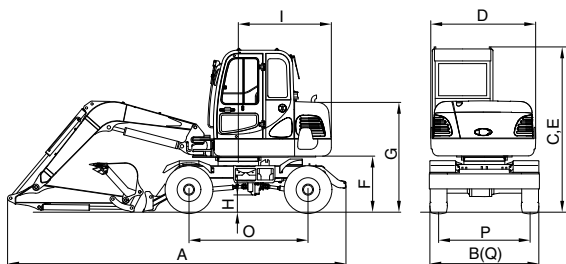
R55W-7

Specification

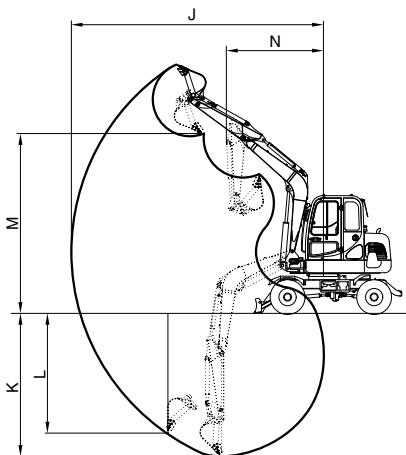
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	5.6 (12350)
	Bucket capacity	m ³ (yd ³)	0.18 (0.24)
	Overall length	A mm (ft-in)	5970 (19' 6")
	Overall width	B mm (ft-in)	1925 (6' 4")
	Overall height	C mm (ft-in)	2850 (9' 4")
	Superstructure width	D mm (ft-in)	1830 (6' 0")
	Overall height of cab	E mm (ft-in)	2850 (9' 4")
	Ground clearance of counterweight	F mm (ft-in)	986 (3' 3")
	Engine cover height	G mm (ft-in)	1930 (6' 4")
	Minimum ground clearance	H mm (ft-in)	290 (11.4")
	Rear-end swing radius	I mm (ft-in)	1650 (5' 5")
Engine	Model	-	Yanmar 4TNV94L
	Rated horse power (Gross)	hp/rpm	57/2400
	Maximum torque (at 1440 rpm)	kgf·m (lbf·ft)	20.6 (148)
	Piston displacement	cc (cu in)	3054 (186.3)
Performance	Swing speed	rpm	9.9
	Travel speed (low/high)	km/h (mph)	11.0/27 (6.8/16.8)
	Gradeability	degree	35
	Max traction force	ton (lb)	-
	Bucket digging force (SAE)	ton (lb)	3.85 (8490)
	Arm crowd force (SAE)	ton (lb)	2.9 (6390)
	Boom (raise/lower)	sec	2.7/2.7
	Arm (in/out)	sec	3.0/2.3
	Bucket (load/dump)	sec	3.6/2.4
Working range	Max digging reach	J mm (ft-in)	6150 (20' 2")
	Max digging depth	K mm (ft-in)	3500 (11' 6")
	Max vertical wall digging depth	L mm (ft-in)	2960 (9' 9")
	Max dumping height	M mm (ft-in)	4340 (14' 3")
	Min swing radius	N mm (ft-in)	2350 (7' 9")
Under-carriage	Wheel base	O mm (ft-in)	2100 (6' 11")
	Tread	P mm (ft-in)	1600 (5' 3")
	Dozer blade width	Q mm (ft-in)	1925 (6' 4")
Tire	Size	-	12-16.5, 12PR
	Air pressure	kgf/cm ² (psi)	5.25 (75)

※ STD : 3.0 m boom, 1.6 m arm, 0.18 m³ bucket

Dimension



Working range



R55W-7

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×25
	Rated oil flow	lpm (U.S. gpm)	2×60 (15.9)
	Rated speed	rpm	2400
Gear pump	Capacity	cc/rev	16.2+6.5
	Rated oil flow	lpm (U.S. gpm)	38.9+15.6 (10.3+4.1)
	Maximum pressure	kgf/cm ² (psi)	200+30 (2840+430)
Main control valve	Main relief pressure	kgf/cm ² (psi)	220 (3130)
	Port relief pressure	kgf/cm ² (psi)	240 (3410)
	Spools	ea	10
Swing motor	Capacity	cc/rev	28.9
	Relief pressure	kgf/cm ² (psi)	200 (2840)
	Brake release pressure	kgf/cm ² (psi)	20~40 (284~570)
Travel motor	Capacity	cc/rev	80
	Relief pressure	kgf/cm ² (psi)	220 (3130)
Transmission	Gear ratio (1st/2nd)	-	6.357/1.961
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	28~32 (400~460)
	Lubrication pressure	kgf/cm ² (psi)	-
Axle	Gear ratio	-	8.639
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	55 (780)
	Steering pressure	kgf/cm ² (psi)	140 (1990)
Battery	Capacity	V-AH	12-100

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (With cover)	31M8-50111	31Y1-24310
Boom cylinder (W/O cover)	31M8-51110	31Y1-24310
Arm cylinder	31M8-51120	31Y1-24350
Bucket cylinder	31M8-51130	31Y1-24370
Dozer cylinder	-#0262	31Y1-24440
	#0263-	31Y1-24440
Swing cylinder	-#0012	31Y1-24420
	#0013-	31Y1-24420

※ The part numbers are only reference.

R55W-7

Filter

Description		Part No.	Service interval (hr)
Engine oil		XJAU-00153	250
Fuel		XJAU-00219	500
Hydraulic	Return	31EE-01060	250
	Line	31E3-0018	250
	Drain	-	-
	Air breather	31EE-02110	250
Air cleaner	Inner #0028	11M8-20110	As required
	#0029-	11FK-20090	As required
	Outer #0028	11M8-20120	* ¹ 500 (clean)
	#0029-	11FK-20080	* ¹ 500 (clean)
Air conditioner	Inner #0632	11M8-90170	As required
	#0633-	11M8-90171	As required
	Outer	-	-

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		9.2 (2.4)	250
Fuel		120 (31.7)	-
Gear box		1.85 (0.49)	1000
Axle	Casing (FR)	4.8 (1.27)	1000
	Casing (RR)	3.9 (1.0)	1000
	Hub	0.45 × 2 (0.12 × 2)	1000
Hydraulic oil	Tank	70 (18.5)	* ¹ 2000 * ² 5000
	System	-	-
Swing drive		1.5 (0.4)	1000
Engine coolant		10 (2.6)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	952-36001A	
Bucket side cutter (LH)	61M5-30270	
Bucket side cutter (RH)	61M5-30280	

※ The part numbers are only reference.

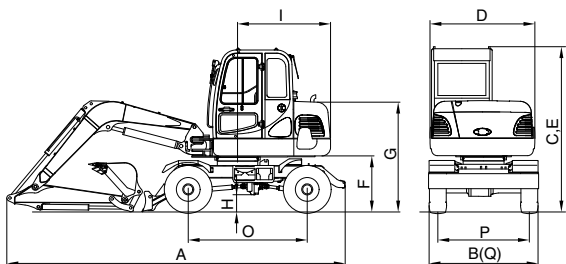
R55W-7A

Specification

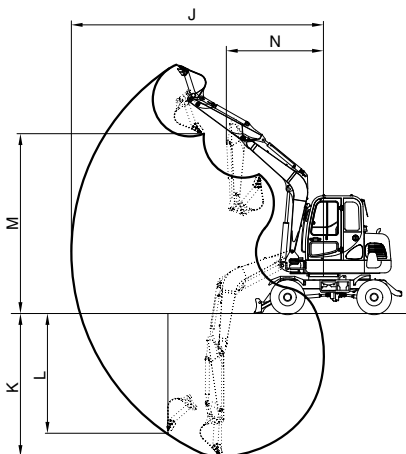
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	5.6 (12350)
	Bucket capacity	m ³ (yd ³)	0.18 (0.24)
	Overall length	A mm (ft-in)	5970 (19' 6")
	Overall width	B mm (ft-in)	1925 (6' 4")
	Overall height	C mm (ft-in)	2850 (9' 4")
	Superstructure width	D mm (ft-in)	1830 (6' 0")
	Overall height of cab	E mm (ft-in)	2850 (9' 4")
	Ground clearance of counterweight	F mm (ft-in)	986 (3' 3")
	Engine cover height	G mm (ft-in)	1930 (6' 4")
	Minimum ground clearance	H mm (ft-in)	290 (11.4")
	Rear-end swing radius	I mm (ft-in)	1650 (5' 5")
Engine	Model	-	Yanmar 4TNV98-EPHYB
	Rated horse power (Gross)	hp/rpm	57/2400
	Maximum torque (at 1550 rpm)	kgf-m (lbf-ft)	20.5 (148)
	Piston displacement	cc (cu in)	3319 (203)
Performance	Swing speed	rpm	9.3
	Travel speed (low/high)	km/h (mph)	11.0/27 (6.8/16.8)
	Gradeability	degree	35
	Max traction force	ton (lb)	-
	Bucket digging force (SAE)	ton (lb)	3.85 (8490)
	Arm crowd force (SAE)	ton (lb)	2.9 (6390)
	Boom (raise/lower)	sec	2.6/2.8
	Arm (in/out)	sec	2.9/2.6
	Bucket (load/dump)	sec	3.6/2.4
Working range	Max digging reach	J mm (ft-in)	6150 (20' 2")
	Max digging depth	K mm (ft-in)	3500 (11' 6")
	Max vertical wall digging depth	L mm (ft-in)	2960 (9' 9")
	Max dumping height	M mm (ft-in)	4340 (14' 3")
	Min swing radius	N mm (ft-in)	2350 (7' 9")
Under-carrage	Wheel base	O mm (ft-in)	2100 (6' 11")
	Tread	P mm (ft-in)	1600 (5' 3")
	Dozer blade width	Q mm (ft-in)	1925 (6' 4")
Tire	Size	-	12-16.5, 12PR
	Air pressure	kgf/cm ² (psi)	5.25 (75)

※ STD : 3.0 m boom, 1.6 m arm, 0.18 m³ bucket

Dimension



Working range



R55W-7A

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×26.3
	Rated oil flow	lpm (U.S. gpm)	2×58 (15.3)
	Rated speed	rpm	2200
Gear pump	Capacity	cc/rev	16.2+6.5
	Rated oil flow	lpm (U.S. gpm)	38.9+15.6 (10.3+4.1)
	Maximum pressure	kgf/cm ² (psi)	200+30 (2840+430)
Main control valve	Main relief pressure	kgf/cm ² (psi)	220 (3130)
	Port relief pressure	kgf/cm ² (psi)	240 (3410)
	Spools	ea	10
Swing motor	Capacity	cc/rev	30.4
	Relief pressure	kgf/cm ² (psi)	200 (2840)
	Brake release pressure	kgf/cm ² (psi)	20~40 (284~570)
Travel motor	Capacity	cc/rev	80
	Relief pressure	kgf/cm ² (psi)	220 (3130)
Transmission	Gear ratio (1st/2nd)	-	6.357/1.961
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	28~32 (398~455)
	Lubrication pressure	kgf/cm ² (psi)	-
Axle	Gear ratio	-	8.67
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	55 (780)
	Steering pressure	kgf/cm ² (psi)	140 (1990)
Battery	Capacity	V-AH	12-100

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (W/O cover)	31M8-50110	31Y1-24310
Boom cylinder (With cover)	31M8-50111	31Y1-24310
Arm cylinder	31M8-51120	31Y1-24350
Bucket cylinder	31M8-51130	31Y1-24370
Dozer cylinder	31M8-70011	31Y1-24440
Swing cylinder	31M8-11012	31Y1-24420

※ The part numbers are only reference.

R55W-7A

Filter

Description		Part No.	Service interval (hr)
Engine oil		XJAU-00890	500
Fuel		XJAU-00949	500
Hydraulic	Return	31MH-01310	1000
	Line	31E3-0018	1000
	Drain	-	-
	Air breather	31EE-02110	250
Air cleaner	Inner	11M8-20110	As required * ¹ 500 (clean)
	Outer	11M8-20120	
Air conditioner	Inner	11M8-90171	As required
	Outer	-	-

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		11.6 (3.1)	500
Fuel		120 (31.7)	-
Gear box		1.85 (0.49)	1000
Axle	Casing (FR)	4.5 (1.19)	1000
	Casing (RR)	4.5 (1.19)	1000
	Hub	0.4 × 2 (0.11 × 2)	1000
Hydraulic oil	Tank	70 (18.5)	* ¹ 2000 * ² 5000
	System	-	-
Swing drive		1.5 (0.4)	1000
Engine coolant		10 (2.6)	2000

*¹ Conventional hydraulic oil *² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	952-36001AB	
Bucket side cutter (LH)	61M5-30270	
Bucket side cutter (RH)	61M5-30280	

※ The part numbers are only reference.

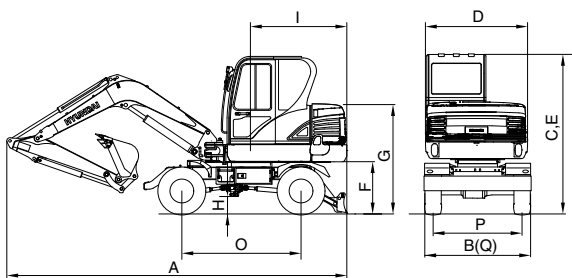
R55W-9

Specification

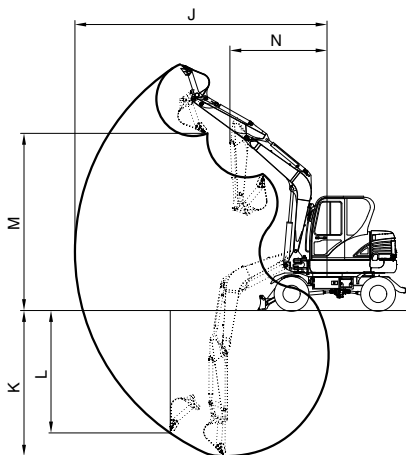
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	5.6 (12240)
	Bucket capacity	m ³ (yd ³)	0.18 (0.24)
	Overall length	A mm (ft-in)	5970 (19' 6")
	Overall width	B mm (ft-in)	1925 (6' 4")
	Overall height	C mm (ft-in)	2850 (9' 4")
	Superstructure width	D mm (ft-in)	1850 (6' 1")
	Overall height of cab	E mm (ft-in)	2850 (9' 4")
	Ground clearance of counterweight	F mm (ft-in)	986 (3' 3")
	Engine cover height	G mm (ft-in)	1970 (6' 6")
	Minimum ground clearance	H mm (ft-in)	290 (11.4")
	Rear-end swing radius	I mm (ft-in)	1650 (5' 5")
Engine	Model	-	Yanmar 4TNV98-EPHYBU
	Rated horse power (Gross)	hp/rpm	57/2400
	Maximum torque (at 1550 rpm)	kgf-m (lbf-ft)	20.5 (148)
	Piston displacement	cc (cu in)	3319 (203)
Performance	Swing speed	rpm	9.1
	Travel speed (low/high)	km/h (mph)	11.3/27 (7.0/16.8)
	Gradeability	degree	35
	Max traction force	ton (lb)	3.5 (7720)
	Bucket digging force (SAE)	ton (lb)	3.85 (8490)
	Arm crowd force (SAE)	ton (lb)	2.9 (6390)
	Boom (raise/lower)	sec	3.1/2.5
	Arm (in/out)	sec	3.0/3.0
	Bucket (load/dump)	sec	4.1/2.7
Working range	Max digging reach	J mm (ft-in)	6150 (20' 2")
	Max digging depth	K mm (ft-in)	3500 (11' 6")
	Max vertical wall digging depth	L mm (ft-in)	2960 (9' 9")
	Max dumping height	M mm (ft-in)	4340 (14' 3")
	Min swing radius	N mm (ft-in)	2350 (7' 9")
Under-carrage	Wheel base	O mm (ft-in)	2100 (6' 11")
	Tread	P mm (ft-in)	1600 (5' 3")
	Dozer blade width	Q mm (ft-in)	1925 (6' 4")
Tire	Size	-	12-16.5, 12PR
	Air pressure	kgf/cm ² (psi)	5.25 (75)

※ STD : 3.0 m boom, 1.6 m arm, 0.18 m³ bucket

Dimension



Working range



R55W-9

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×25
	Rated oil flow	lpm (U.S. gpm)	2×60 (15.9)
	Rated speed	rpm	2400
Gear pump	Capacity	cc/rev	16.2+6.5
	Rated oil flow	lpm (U.S. gpm)	38.9+15.6 (10.3+4.1)
	Maximum pressure	kgf/cm ² (psi)	220+30 (3130+430)
Main control valve	Main relief pressure	kgf/cm ² (psi)	220 (3130)
	Port relief pressure	kgf/cm ² (psi)	240 (3410)
	Spools	ea	10
Swing motor	Capacity	cc/rev	32.3
	Relief pressure	kgf/cm ² (psi)	220 (3130)
	Brake release pressure	kgf/cm ² (psi)	20~40 (284~570)
Travel motor	Capacity	cc/rev	80
	Relief pressure	kgf/cm ² (psi)	220 (3130)
Transmission	Gear ratio (1st/2nd)	-	6.357/1.961
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	28~32 (398~455)
	Lubrication pressure	kgf/cm ² (psi)	-
Axle	Gear ratio	-	8.67
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	55 (780)
	Steering pressure	kgf/cm ² (psi)	140 (1990)
Battery	Capacity	V-AH	12-100

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder* ¹ #1281/#1282-1595	31M9-50112/3	XKCD-01026
#1596-1634/#1635-	31M9-50113YL/4	XKCD-02984/03076
Boom cylinder* ² #1282-1595/#1596-	31M9-55110/1	XKCC-00776
Arm cylinder * ¹ #1281/#1282-1595	31M9-50120/1	XKCD-00999
#1596-1634/#1635-	31M9-50122/3	XKCD-02982/03072
Arm cylinder* ² #1282-1595/#1596-	31M9-55120/1	XKCC-00800
Bucket cylinder* ¹ #1281/#1282-1595	31M9-50130/1	XKCD-01049
#1596-1634	31M9-50132	XKCD-01049
#1635-1663/#1664-	31M9-50133/4	XKCD-03080
Bucket cylinder* ² #1282-1595/#1596-	31M9-55130/1	XKCC-00825
Dozer cylinder #1063/#1064-	31M9-70011/810	XKCC-00037
Swing cylinder #1281/#1282-	31M9-11011/2	XKCC-00339

※ The part numbers are only reference.

*¹ Dongyang *² SHPAC

R55W-9

Filter

Description		Part No.	Service interval (hr)
Engine oil		XJAU-00890	500
Fuel		XJAU-00949	500
Prefilter	-#1375	11LD-20250	500
	#1376-	XJAU-00954	500
Hydraulic	Return -#1643	31MH-01310	1000
	#1644-1840	31MH-01311	1000
	#1841-	31RF-10200	
	Line	31MH-20320	1000
	Drain	-	-
	Air breather	31EE-02110	1000
Air cleaner	Inner	11S7-40130	As required
	Outer	11S7-40120	* ¹ 500 (clean)
Air conditioner	Inner	XKAN-00030	As required
	Outer	11M9-90370	* ¹ 250 (clean)

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		11.6 (3.1)	500
Fuel		120 (31.7)	-
Gear box		1.8 (0.5)	1000
Axle	Casing (FR)	4.5 (1.19)	1000
	Casing (RR)	4.5 (1.19)	1000
	Hub	0.4 × 2 (0.11 × 2)	1000
Hydraulic oil	Tank	70 (18.5)	* ¹ 2000 * ² 5000
	System	-	-
Swing drive		1.5 (0.4)	1000
Engine coolant		9.5 (2.5)	2000

*¹ Conventional hydraulic oil *² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	952-36001ABGG	
Bucket side cutter (LH)	61M5-30270GG	
Bucket side cutter (RH)	61M5-30280GG	

※ The part numbers are only reference.

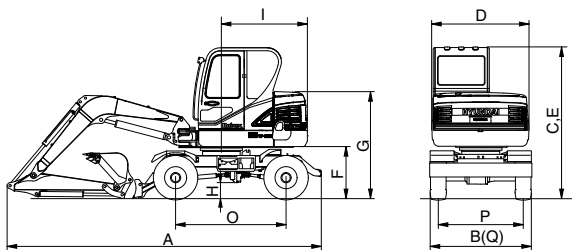
R55W-9A

Specification

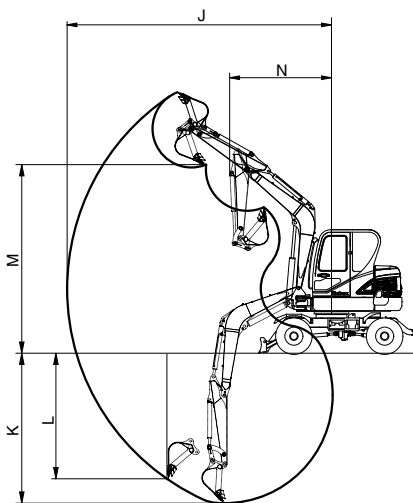
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	5.55 (12240)
	Bucket capacity	m ³ (yd ³)	0.18 (0.24)
	Overall length	A mm (ft-in)	5970 (19' 6")
	Overall width	B mm (ft-in)	1925 (6' 4")
	Overall height	C mm (ft-in)	2850 (9' 4")
	Superstructure width	D mm (ft-in)	1850 (6' 1")
	Overall height of cab	E mm (ft-in)	2850 (9' 4")
	Ground clearance of counterweight	F mm (ft-in)	986 (3' 3")
	Engine cover height	G mm (ft-in)	1970 (6' 6")
	Minimum ground clearance	H mm (ft-in)	290 (11.4")
	Rear-end swing radius	I mm (ft-in)	1650 (5' 5")
Engine	Model	-	Yanmar 4TNV98C
	Rated horse power (Gross)	hp/rpm	66.9/2400
	Maximum torque (at 1550 rpm)	kgf-m (lbf-ft)	24 (173.6)
	Piston displacement	cc (cu in)	3319 (203)
Performance	Swing speed	rpm	7.8
	Travel speed (low/high)	km/h (mph)	11.6/30 (7.2/18.7)
	Gradeability	degree	35
	Max traction force	ton (lb)	3.4 (7500)
	Bucket digging force (SAE)	ton (lb)	3.85 (8490)
	Arm crowd force (SAE)	ton (lb)	2.9 (6390)
	Boom (raise/lower)	sec	2.5/2.6
	Arm (in/out)	sec	2.7/2.7
	Bucket (load/dump)	sec	3.9/2.5
Working range	Max digging reach	J mm (ft-in)	6150 (20' 2")
	Max digging depth	K mm (ft-in)	3500 (11' 6")
	Max vertical wall digging depth	L mm (ft-in)	2960 (9' 9")
	Max dumping height	M mm (ft-in)	4340 (14' 3")
	Min swing radius	N mm (ft-in)	2350 (7' 9")
Under-carrage	Wheel base	O mm (ft-in)	2100 (6' 11")
	Tread	P mm (ft-in)	1600 (5' 3")
	Dozer blade width	Q mm (ft-in)	1925 (6' 4")
Tire	Size	-	12-16.5, 12PR
	Air pressure	kgf/cm ² (psi)	5.25 (75)

※ STD : 3.0 m boom, 1.6 m arm, 0.18 m³ bucket

Dimension



Working range



R55W-9A

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×25
	Rated oil flow	lpm (U.S. gpm)	2×63.5 (16.5)
	Rated speed	rpm	2500
Gear pump	Capacity	cc/rev	16.2+6.5
	Rated oil flow	lpm (U.S. gpm)	40.5+16.3 (10.7+4.3)
	Maximum pressure	kgf/cm ² (psi)	220+30 (3130+430)
Main control valve	Main relief pressure	kgf/cm ² (psi)	220 (3130)
	Port relief pressure	kgf/cm ² (psi)	240 (3410)
	Spools	ea	9
Swing motor	Capacity	cc/rev	32.3
	Relief pressure	kgf/cm ² (psi)	220 (3130)
	Brake release pressure	kgf/cm ² (psi)	20~40 (284~570)
Travel motor	Capacity	cc/rev	80
	Relief pressure	kgf/cm ² (psi)	220 (3130)
Transmission	Gear ratio (1st/2nd)	-	4.06/1.31
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	26~32 (370~455)
Axle	Gear ratio	-	8.67
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	52 (740)
	Steering pressure	kgf/cm ² (psi)	140 (1990)
Battery	Capacity	V-AH	12-100

R55W-9A

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder* ¹	31M9-50114	XKCD-03076
Boom cylinder* ²	31M9-55111	XKCC-00776
Boom cylinder* ³ #0040-	31M9-50113C	31Y1-40120
Boom safety lock cylinder	31ML-52911	XKCD-03336
Arm cylinder * ¹	31M9-50123	XKCD-03072
Arm cylinder* ²	31M9-55121	XKCC-00800
Arm cylinder* ³ #0040-	31M9-50121C	31Y1-40250
Arm safety lock cylinder	31M9-52920	XKCD-03438
Bucket cylinder* ¹	31M9-50134	XKCD-03080
Bucket cylinder* ²	31M9-55131	XKCC-00825
Bucket cylinder* ³ #0040-0314	31M9-50131C	31Y1-40370
#0315-	31M9-50132C	31Y1-40370
Dozer cylinder	31M9-70810	XKCC-00037
Swing cylinder	31M9-11012	XKCC-00339

※ The part numbers are only reference.

*¹ Dongyang *² SHPAC *³ Changzhou

R55W-9A

Filter

Description		Part No.	Service interval (hr)
Engine oil		XJAU-01138	500
Fuel		XJAU-01190	500
Prefilter		XJAU-01349	500
Hydraulic	Return #0143	31MH-01311	1000
	#0144-	31RF-10200	
	Line	31MH-20320	1000
	Drain	-	-
	Air breather	31EE-02110	1000
Air cleaner	Inner	11S7-40130	As required
	Outer	11S7-40120	* ¹ 500 (clean)
Air conditioner	Inner	XKAN-00030	As required
	Outer	11M9-90370	* ¹ 250 (clean)

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		11.6 (3.1)	500
Fuel		120 (31.7)	-
Gear box		1.8 (0.5)	1000
Axle	Casing (FR)	4.5 (1.19)	1000
	Casing (RR)	4.5 (1.19)	1000
	Hub	0.4 × 2 (0.11 × 2)	1000
Hydraulic oil	Tank	70 (18.5)	* ¹ 2000 * ² 5000
	System	120 (31.7)	-
Swing drive		1.5 (0.4)	1000
Engine coolant		9.5 (2.5)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	952-36001ABGG	
Bucket side cutter (LH)	61M5-30270GG	
Bucket side cutter (RH)	61M5-30280GG	

※ The part numbers are only reference.

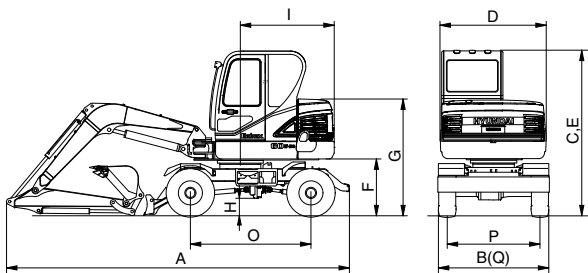
R60W-9S

Specification

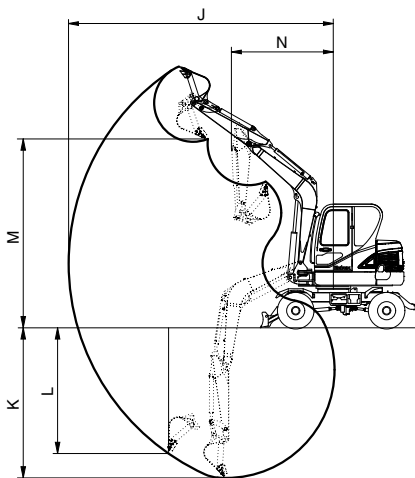
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	5.55 (12240)
	Bucket capacity	m ³ (yd ³)	0.18 (0.24)
	Overall length	A mm (ft-in)	5097 (19' 6")
	Overall width	B mm (ft-in)	1925 (6' 4")
	Overall height	C mm (ft-in)	2850 (9' 4")
	Superstructure width	D mm (ft-in)	1850 (6' 1")
	Overall height of cab	E mm (ft-in)	2850 (9' 4")
	Ground clearance of counterweight	F mm (ft-in)	986 (3' 3")
	Engine cover height	G mm (ft-in)	1970 (6' 6")
	Minimum ground clearance	H mm (ft-in)	290 (11.4")
	Rear-end swing radius	I mm (ft-in)	1650 (5' 5")
Engine	Model	-	Yanmar 4TNV94L-PHYBY
	Rated horse power (Gross)	ps/rpm	56/2400
	Maximum torque (at 1550 rpm)	kgf-m (lbf-ft)	20.4 (148)
	Piston displacement	cc (cu in)	3054 (186)
Performance	Swing speed	rpm	9.1
	Travel speed (low/high)	km/h (mph)	11.3/27 (7.0/16.8)
	Gradeability	degree	35
	Max traction force	ton (lb)	3.5 (7720)
	Bucket digging force (SAE)	ton (lb)	3.85 (8490)
	Arm crowd force (SAE)	ton (lb)	2.9 (6390)
	Boom (raise/lower)	sec	2.6/2.5
	Arm (in/out)	sec	2.5/2.6
	Bucket (load/dump)	sec	3.8/2.5
Working range	Max digging reach	J mm (ft-in)	6150 (20' 2")
	Max digging depth	K mm (ft-in)	3500 (11' 6")
	Max vertical wall digging depth	L mm (ft-in)	2960 (9' 9")
	Max dumping height	M mm (ft-in)	4340 (14' 3")
	Min swing radius	N mm (ft-in)	2350 (7' 9")
Under-carrage	Wheel base	O mm (ft-in)	2100 (6' 11")
	Tread	P mm (ft-in)	1600 (5' 3")
	Dozer blade width	Q mm (ft-in)	1925 (6' 4")
Tire	Size	-	12-16.5, 12PR
	Air pressure	kgf/cm ² (psi)	5.25 (75)

※ STD : 3.0 m boom, 1.6 m arm, 0.18 m³ bucket

Dimension



Working range



R60W-9S

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×25
	Rated oil flow	lpm (U.S. gpm)	2×60 (15.9)
	Rated speed	rpm	2400
Gear pump	Capacity	cc/rev	16.2+6.5
	Rated oil flow	lpm (U.S. gpm)	38.9+15.6 (10.3+4.1)
	Maximum pressure	kgf/cm ² (psi)	220+30 (3130+430)
Main control valve	Main relief pressure	kgf/cm ² (psi)	220 (3130)
	Port relief pressure	kgf/cm ² (psi)	240 (3410)
	Spools	ea	10
Swing motor	Capacity	cc/rev	32.3
	Relief pressure	kgf/cm ² (psi)	220 (3130)
	Brake release pressure	kgf/cm ² (psi)	20~40 (284~570)
Travel motor	Capacity	cc/rev	80
	Relief pressure	kgf/cm ² (psi)	220 (3130)
Transmission	Gear ratio (1st/2nd)	-	4.06/1.31
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	28~32 (398~455)
	Lubrication pressure	kgf/cm ² (psi)	-
Axle	Gear ratio	-	8.67
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	55 (780)
	Steering pressure	kgf/cm ² (psi)	140 (1990)
Battery	Capacity	V-AH	12-100

R60W-9S

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder* ¹	31M9-50114	XKCD-03076
Boom cylinder* ²	31M9-55111	XKCC-00776
Boom cylinder* ³	31M9-50113C	31Y1-40120
Boom safety lock cylinder	31ML-52911	XKCD-03336
Arm cylinder* ¹	31M9-50123	XKCD-03072
Arm cylinder* ²	31M9-55121	XKCC-00800
Arm cylinder* ³	31M9-50121C	31Y1-40250
Arm safety lock cylinder	31M9-52920	XKCD-03438
Bucket cylinder* ¹ -#5007	31M9-50133	XKCD-03080
#5008-	31M9-50134	XKCD-03080
Bucket cylinder* ²	31M9-55131	XKCC-00825
Bucket cylinder* ³ #0143-0384	31M9-50131C	31Y1-40370
#0385-	31M9-50132C	31Y1-40370
Dozer cylinder	31M9-70810	XKCC-00037
Swing cylinder	31M9-11012	XKCC-00339

※ The part numbers are only reference.

*¹ Dongyang *² SHPAC *³ Changzhou

R60W-9S

Filter

Description		Part No.	Service interval (hr)
Engine oil		XJAU-00890	500
Fuel		XJAU-00949	500
Prefilter		XJAU-00956	500
Hydraulic	Return -#0230	31MH-01311	1000
	#0231-	31RF-10200	1000
	Line	31MH-20320	1000
	Drain	-	-
	Air breather	31EE-02110	1000
Air cleaner	Inner	11M8-20110	As required
	Outer	11M8-20120	* ¹ 500 (clean)
Air conditioner	Inner	XKAN-00030	As required
	Outer	11M9-90370	* ¹ 250 (clean)

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		11.6 (3.1)	500
Fuel		120 (31.7)	-
Gear box		1.8 (0.5)	1000
Axle	Casing (FR)	4.5 (1.19)	1000
	Casing (RR)	4.5 (1.19)	1000
	Hub	0.4 × 2 (0.11 × 2)	1000
Hydraulic oil	Tank	70 (18.5)	* ¹ 2000 * ² 5000
	System	-	-
Swing drive		1.5 (0.4)	1000
Engine coolant		9.5 (2.5)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	952-36001ABGG	
Bucket side cutter (LH)	61M5-30270GG	
Bucket side cutter (RH)	61M5-30280GG	

※ The part numbers are only reference.

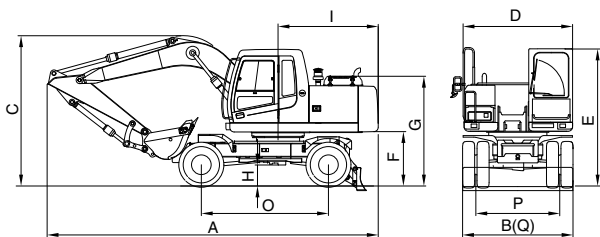
R140W-7

Specification

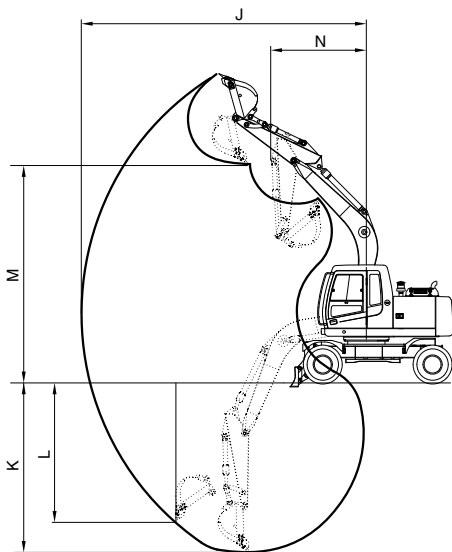
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	13.5 (29760)
	Bucket capacity	m ³ (yd ³)	0.58 (0.76)
	Overall length	A mm (ft-in)	7800 (25' 7")
	Overall width	B mm (ft-in)	2500 (8' 2")
	Overall height	C mm (ft-in)	3500 (11' 6")
	Superstructure width	D mm (ft-in)	2475 (8' 1")
	Overall height of cab	E mm (ft-in)	3140 (10' 4")
	Ground clearance of counterweight	F mm (ft-in)	1240 (4' 1")
	Engine cover height	G mm (ft-in)	2340 (7' 8")
	Minimum ground clearance	H mm (ft-in)	435 (1' 5")
	Rear-end swing radius	I mm (ft-in)	2310 (7' 7")
Engine	Model	-	Cummins B3.9-C
	Rated horse power (Gross)	hp/rpm	115/2100
	Maximum torque (at 1500 rpm)	kgf·m (lbf·ft)	47.7 (345)
	Piston displacement	cc (cu in)	3900 (238)
Performance	Swing speed	rpm	14.5
	Travel speed (low/high)	km/h (mph)	7.9/30.0 (4.9/18.7)
	Gradeability	degree	33
	Max traction force	ton (lb)	8.2 (18100)
	Bucket digging force (SAE)	ton (lb)	8.5 (18740)
	Arm crowd force (SAE)	ton (lb)	7.3 (16090)
	Boom (raise/lower)	sec	3.4/3.0
	Arm (in/out)	sec	2.8/2.4
	Bucket (load/dump)	sec	3.0/1.8
Working range	Max digging reach	J mm (ft-in)	7920 (26' 0")
	Max digging depth	K mm (ft-in)	4820 (15' 10")
	Max vertical wall digging depth	L mm (ft-in)	4230 (13' 11")
	Max dumping height	M mm (ft-in)	6060 (19' 11")
	Min swing radius	N mm (ft-in)	2680 (8' 10")
Under-carriage	Wheel base	O mm (ft-in)	2600 (8' 6")
	Tread	P mm (ft-in)	1929 (6' 4")
	Dozer blade width	Q mm (ft-in)	2490 (8' 2")
Tire	Size	-	9.00-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 4.6 m boom, 2.1 m arm, 0.58 m³ bucket

Dimension



Working range



R140W-7

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×62
	Rated oil flow	lpm (U.S. gpm)	2×130 (34.3)
	Rated speed	rpm	2100
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	29.3 (7.7)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	330 (4690)
	Port relief pressure	kgf/cm ² (psi)	380 (5400)
	Spools	ea	11
Swing motor	Capacity	cc/rev	64.3
	Relief pressure	kgf/cm ² (psi)	240 (3410)
	Brake release pressure	kgf/cm ² (psi)	30~50 (427~711)
Travel motor	Capacity	cc/rev	107
	Relief pressure	kgf/cm ² (psi)	360 (5120)
Transmission	Gear ratio (1st/2nd)	-	5.35/1.39
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~35 (426~498)
	Lubrication pressure	kgf/cm ² (psi)	3 (43)
Axle	Gear ratio	-	13.714
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	60 (853)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-80

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH/RH)	31N4-50110/20	31Y1-18170
Boom cylinder (LH/RH, Adjust)	31N4-50910/20	31Y1-21200
Arm cylinder -#0005	31N4-50130	31Y1-18110
-#0684/#0685-	31N4-50132/3	31Y1-18110
Bucket cylinder	31N4-60110	31Y1-18210
Dozer cylinder (FR-LH/RH)	35EA-70350/60	31Y1-17660
Dozer cylinder (RR-LH/RH)	31N4-70110/20	31Y1-23860
Outrigger cylinder (LH/RH)	35EA-70170/80	31Y1-14050
Adjust cylinder	31N4-52940	31Y1-16170

※ The part numbers are only reference.

R140W-7

Filter

Description		Part No.	Service interval (hr)
Engine oil		3934429 *11N4-70110	500
Fuel		11N4-70210 *11E1-70010	500
Prefilter #0228-		11LB-20310	500
Hydraulic	Return Line	E131-0212	250
	Drain	31E3-0018	250
	Air breather	31E9-0126	250
		31EE-02110	1000
Air cleaner	Inner #0452 #0453-	11EM-21051	As required
		11N6-24530	As required
		◆11E3-2006	As required
	Outer #0452 #0453-	11EM-21041	* ¹ 500 (clean)
		11N6-24520	* ¹ 500 (clean)
		◆E111-2009	* ¹ 500 (clean)
Air conditioner	Inner	11N6-90770	As required
	Outer	11N6-90760	* ¹ 250 (clean)

* : Tier II, #0072-, ◆ : Australia & New Zealand

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		15.3 (4.0)	500
Fuel		270 (71.3)	-
Transmission		3.2 (0.85)	1000
Axle	Casing (FR)	7.75 (2.0)	1000
	Casing (RR)	8.4 (2.2)	1000
	Hub	1.2 × 4 (0.32 × 4)	1000
Hydraulic oil	Tank	124 (32.7)	* ¹ 2000
	System	240 (63.4)	-
Swing drive		2.5 (0.66)	1000
Engine coolant		24 (6.4)	2000

*¹ Conventional hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	E161-3027	-#0556
	61N4-31210/BG	#0557-0614/#0615-
Bucket side cutter (LH)	61E3-3033/BG	-#0614/#0615-
Bucket side cutter (RH)	61E3-3034/BG	-#0614/#0615-

※ The part numbers are only reference.

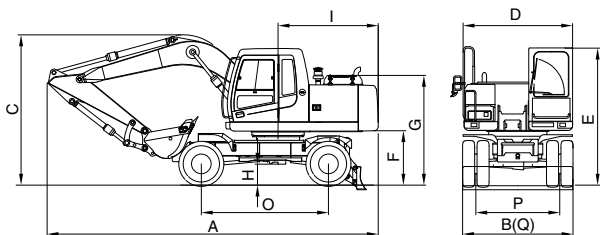
R140W-7A

Specification

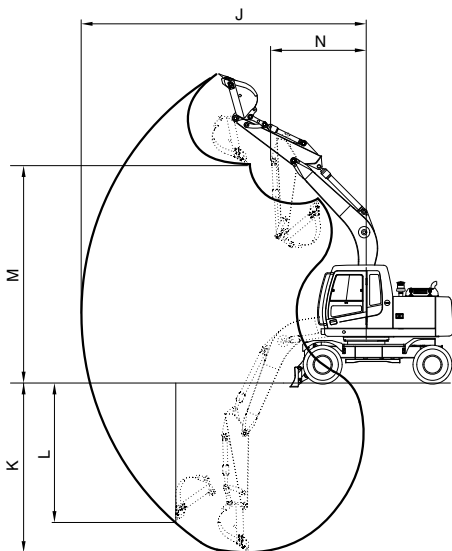
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	13.5 (29760)
	Bucket capacity	m ³ (yd ³)	0.58 (0.76)
	Overall length	A mm (ft-in)	7800 (25' 7")
	Overall width	B mm (ft-in)	2500 (8' 2")
	Overall height	C mm (ft-in)	3500 (11' 6")
	Superstructure width	D mm (ft-in)	2475 (8' 1")
	Overall height of cab	E mm (ft-in)	3140 (10' 4")
	Ground clearance of counterweight	F mm (ft-in)	1240 (4' 1")
	Engine cover height	G mm (ft-in)	2340 (7' 8")
	Minimum ground clearance	H mm (ft-in)	435 (1' 5")
	Rear-end swing radius	I mm (ft-in)	2310 (7' 7")
Engine	Model	-	Mistubishi D04FD-TAA
	Rated horse power (Gross)	hp/rpm	119/2000
	Maximum torque (at 1700 rpm)	kgf·m (lbf·ft)	45.4 (328)
	Piston displacement	cc (cu in)	4249 (260)
Performance	Swing speed	rpm	12.4
	Travel speed (low/high)	km/h (mph)	7.9/30.0 (4.9/18.7)
	Gradeability	degree	33
	Max traction force	ton (lb)	8.5 (18740)
	Bucket digging force (SAE)	ton (lb)	8.5 (18740)
	Arm crowd force (SAE)	ton (lb)	7.3 (16090)
	Boom (raise/lower)	sec	3.4/3.0
	Arm (in/out)	sec	3.2/2.9
	Bucket (load/dump)	sec	3.3/2.0
Working range	Max digging reach	J mm (ft-in)	7920 (26' 0")
	Max digging depth	K mm (ft-in)	4820 (15' 10")
	Max vertical wall digging depth	L mm (ft-in)	4230 (13' 11")
	Max dumping height	M mm (ft-in)	6060 (19' 11")
	Min swing radius	N mm (ft-in)	2680 (8' 10")
Under-carriage	Wheel base	O mm (ft-in)	2600 (8' 6")
	Tread	P mm (ft-in)	1929 (6' 4")
	Dozer blade width	Q mm (ft-in)	2490 (8' 2")
Tire	Size	-	9.00-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 4.6 m boom, 2.1 m arm, 0.58 m³ bucket

Dimension



Working range



R140W-7A

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×65
	Rated oil flow	lpm (U.S. gpm)	2×130 (34.3)
	Rated speed	rpm	2000
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	30 (7.9)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	330 (4690)
	Port relief pressure	kgf/cm ² (psi)	380 (5400)
	Spools	ea	11
Swing motor	Capacity	cc/rev	64.3
	Relief pressure	kgf/cm ² (psi)	240 (3410)
	Brake release pressure	kgf/cm ² (psi)	30~50 (427~711)
Travel motor	Capacity	cc/rev	107
	Relief pressure	kgf/cm ² (psi)	360 (5120)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~35 (426~498)
	Lubrication pressure	kgf/cm ² (psi)	3 (43)
Axle	Gear ratio	-	15.43
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	60 (853)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-80

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH/RH)	31N4-50110/20	31Y1-18170
Boom cylinder (LH/RH, Adjust)	31N4-50910/20	31Y1-21200
Arm cylinder -#0173/#0174-	31N4-50132/3	31Y1-18110
Bucket cylinder	31N4-60110	31Y1-18210
Dozer cylinder (FR-LH/RH)	35N4-70350/60	31Y1-17660
Dozer cylinder (RR-LH/RH)	31N4-70110/20	31Y1-23860
Outrigger cylinder (LH/RH)	35N4-70170/80	31Y1-14050
Adjust cylinder	31N4-52940	31Y1-16170

※ The part numbers are only reference.

R140W-7A

Filter

Description		Part No.	Service interval (hr)
Engine oil		XJAF-02362	500
Fuel		XJAF-03012	500
Prefilter		11NA-71041	500
Hydraulic	Return #0293	31N4-01460	1000
	#0294-	31N4-01461	1000
	Line	31MH-20320	1000
	Drain	31N8-01360	1000
	Air breather	31EE-02110	1000
Air cleaner	Inner	11N6-24530	As required
	Outer	11N6-24520	* ¹ 500 (clean)
Air conditioner	Inner	11N6-90770	As required
	Outer	11N6-90760	* ¹ 250 (Clean)

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		18.5 (4.9)	500
Fuel		270 (71.3)	-
Transmission		3.0 (0.8)	1000
Axle	Casing (FR)	7.8 (2.1)	1500
	Casing (RR)	8.4 (2.2)	1500
	Hub	1.2 × 2 (0.32 × 2)	1500
Hydraulic oil	Tank	124 (32.7)	* ¹ 2000
	System	240 (63.4)	-
Swing drive		2.5 (0.7)	1000
Engine coolant		22 (5.8)	2000

*¹ Conventional hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	61N4-31210BG	
Bucket side cutter (LH)	61E3-3033BG	
Bucket side cutter (RH)	61E3-3034BG	

※ The part numbers are only reference.

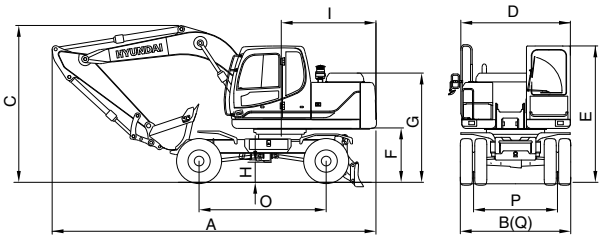
R140W-9

Specification

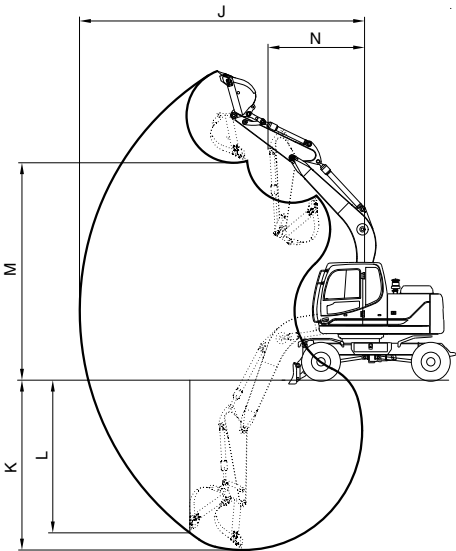
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	13.7 (30200)
	Bucket capacity	m ³ (yd ³)	0.58 (0.76)
	Overall length	A mm (ft-in)	7760 (25' 6")
	Overall width	B mm (ft-in)	2500 (8' 2")
	Overall height	C mm (ft-in)	3500 (11' 6")
	Superstructure width	D mm (ft-in)	2475 (8' 1")
	Overall height of cab	E mm (ft-in)	3140 (10' 4")
	Ground clearance of counterweight	F mm (ft-in)	1210 (4' 0")
	Engine cover height	G mm (ft-in)	2320 (7' 7")
	Minimum ground clearance	H mm (ft-in)	397 (1' 4")
	Rear-end swing radius	I mm (ft-in)	2330 (7' 8")
Engine	Model	-	Cummins QSB 6.7
	Rated horse power (Gross)	hp/rpm	146/2100
	Maximum torque (at 1500 rpm)	kgf-m (lbf-ft)	59.7 (432)
	Piston displacement	cc (cu in)	6700 (409)
Performance	Swing speed	rpm	11.6
	Travel speed (low/high)	km/h (mph)	10/37 (6.2/23.0)
	Gradeability	degree	35
	Max traction force	ton (lb)	8.5 (18740)
	Bucket digging force (SAE)	ton (lb)	8.8 (19620)
	Arm crowd force (SAE)	ton (lb)	7.5 (16530)
	Boom (raise/lower)	sec	3.18/2.7
	Arm (in-regen ON, OFF/out)	sec	2.52, 2.9/2.44
	Bucket (load/dump)	sec	3.25/2.19
Working range	Max digging reach	J mm (ft-in)	8140 (26' 8")
	Max digging depth	K mm (ft-in)	4810 (15' 9")
	Max vertical wall digging depth	L mm (ft-in)	4190 (13' 9")
	Max dumping height	M mm (ft-in)	6620 (21' 9")
	Min swing radius	N mm (ft-in)	2660 (8' 9")
Under-carrage	Wheel base	O mm (ft-in)	2600 (8' 6")
	Tread	P mm (ft-in)	1929 (6' 4")
	Dozer blade width	Q mm (ft-in)	2490 (8' 2")
Tire	Size	-	9.00-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 4.6 m boom, 2.1 m arm, 0.58 m³ bucket

Dimension



Working range



R140W-9

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×80
	Rated oil flow	lpm (U.S. gpm)	2×168 (44.4)
	Rated speed	rpm	2100
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	31.5 (8.3)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	11
Swing motor	Capacity	cc/rev	72
	Relief pressure -#0367/#0368-	kgf/cm ² (psi)	260 (3700)/240 (3410)
	Brake release pressure	kgf/cm ² (psi)	15~50 (213~711)
Travel motor	Capacity (min/max)	cc/rev	107
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~35 (426~498)
	Lubrication pressure	kgf/cm ² (psi)	3 (43)
Axle	Gear ratio	-	15.43
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	60 (853)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-100

R140W-9

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH) -#0043/#0044- DY POWER #0670-	31Q4-50110/1 31Q4-50111E	31Y1-31320 XKCD-05128
Boom cylinder (RH) -#0043/#0044- DY POWER #0670-	31Q4-50120/1 31Q4-50121E	31Y1-31320 XKCD-05128
Boom cylinder (LH,Adjust)#0017-0043/#0044- DY POWER #0670-	31Q4-50910/1 31Q4-50911E	31Y1-31320 XKCD-05128
Boom cylinder (RH,Adjust)#0017-0043/#0044- DY POWER #0670-	31Q4-50920/1 31Q4-50921E	31Y1-31320 XKCD-05128
Arm cylinder -#0004/-#0043/#0044- DY POWER #0670-	31Q4-50130/1/2 31Q4-50132E	31Y1-31150 XKCD-05097
Bucket cylinder -#0043/#0044-/#0330-/#0644-	31Q4-60111/2/3/4	31Y1-31490
Dozer cylinder (FR-LH) -#0172/#0173-/#0627-	31Q4-70130/1/2	XKCC-00071
Dozer cylinder (FR-RH) -#0172/#0173-/#0627-	31Q4-70140/1/2	XKCC-00071
Dozer cylinder (RR-LH) -#0006/-#0172/#0173-/#0627-	31Q4-70150/1/2/3	XKCD-01228
Dozer cylinder (RR-RH) -#0006/-#0172/#0173-/#0627-	31Q4-70160/1/2/3	XKCD-01228
Outrigger cylinder (LH) -#0309/#0310-	31Q4-70210/1	XKCC-00097
Outrigger cylinder (RH) -#0309/#0310-	31Q4-70220/1	XKCC-00097
Adjust cylinder -#0017-0043/#0044- DY POWER #0670-	31Q4-52940/1 31Q4-52941E	31Y1-16170 XKCD-05425

※ The part numbers are only reference.

R140W-9

Filter

Description		Part No.	Service interval (hr)		
Engine oil		11N8-70110	500		
Fuel		11LG-70010	500		
Prefilter		-#0005 #0006-0032 #0033-	11LB-20310 11NA-72010 11NA-72011	500	
Hydraulic	Return	-#0427 #0428-0626 #0627-0658 -#0659-	31N4-01460 31N4-01461 31Q6-01281 31RF-10100	1000 1000 1000 1000	
	Line	-#0269 #0270-	31Q6-20320 31Q6-20340	1000 1000	
	Drain	-#0658 #0659-	31N8-01360 31K6-01320	1000 1000	
	Air breather		31EE-02110	1000	
	Air cleaner	Inner		11N6-27030	As required * ¹ 500 (clean)
		Outer		11N6-27040	
	Air conditioner	Inner		11N6-90770	As required * ¹ 250 (Clean)
Outer			11Q6-90510		

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		24 (6.3)	500
Fuel		270 (71.3)	-
Transmission		2.5 (0.7)	1000
Axle	Casing (FR)	7.7 (2.03)	1000
	Casing (RR)	10.5 (2.77)	1000
	Hub	2.8 × 2 (0.74 × 2)	1000
Hydraulic oil	Tank	124 (32.8)	* ¹ 2000 * ² 5000 -
	System	240 (63.4)	
Swing drive		2.5 (0.7)	1000
Engine coolant		19.5 (5.2)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	61N4-31210GG	
Bucket side cutter (LH)	61E3-3033GG	
Bucket side cutter (RH)	61E3-3034GG	

※ The part numbers are only reference.

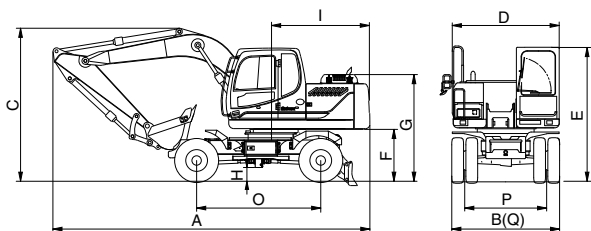
R140W-9A

Specification

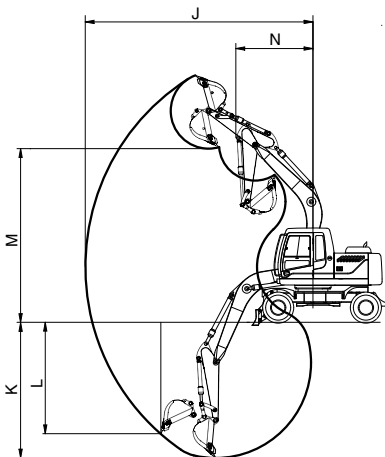
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	13.7 (30200)
	Bucket capacity	m ³ (yd ³)	0.58 (0.76)
	Overall length	A mm (ft-in)	7760 (25' 6")
	Overall width	B mm (ft-in)	2500 (8' 2")
	Overall height	C mm (ft-in)	3500 (11' 6")
	Superstructure width	D mm (ft-in)	2475 (8' 1")
	Overall height of cab	E mm (ft-in)	3140 (10' 4")
	Ground clearance of counterweight	F mm (ft-in)	1210 (4' 0")
	Engine cover height	G mm (ft-in)	2390 (7' 10")
	Minimum ground clearance	H mm (ft-in)	397 (1' 4")
	Rear-end swing radius	I mm (ft-in)	2330 (7' 8")
Engine	Model	-	Cummins QSB 6.7
	Rated horse power (Gross)	hp/rpm	146/2100
	Maximum torque (at 1500 rpm)	kgf·m (lbf·ft)	74.7 (540)
	Piston displacement	cc (cu in)	6700 (409)
Performance	Swing speed	rpm	11.7
	Travel speed (low/high)	km/h (mph)	10/39 (6.2/24.2)
	Gradeability	degree	35
	Max traction force	ton (lb)	8.5 (18740)
	Bucket digging force (SAE)	ton (lb)	8.8 (19620)
	Arm crowd force (SAE)	ton (lb)	7.5 (16530)
	Boom (raise/lower)	sec	3.4/2.8
	Arm (in-regen ON, OFF/out)	sec	2.7, 3.0/2.6
	Bucket (load/dump)	sec	3.6/2.3
Working range	Max digging reach	J mm (ft-in)	8140 (26' 8")
	Max digging depth	K mm (ft-in)	4810 (15' 9")
	Max vertical wall digging depth	L mm (ft-in)	4190 (13' 9")
	Max dumping height	M mm (ft-in)	6620 (21' 9")
	Min swing radius	N mm (ft-in)	2660 (8' 9")
Under-carriage	Wheel base	O mm (ft-in)	2600 (8' 6")
	Tread	P mm (ft-in)	1929 (6' 4")
	Dozer blade width	Q mm (ft-in)	2490 (8' 2")
Tire	Size	-	9.00-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 4.6 m boom, 2.1 m arm, 0.58 m³ bucket

Dimension



Working range



R140W-9A

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×80
	Rated oil flow	lpm (U.S. gpm)	2×172 (45.4)
	Rated speed	rpm	2150
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	32.3 (8.5)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	11
Swing motor	Capacity	cc/rev	72
	Relief pressure	kgf/cm ² (psi)	285 (4050)
	Brake release pressure	kgf/cm ² (psi)	15~50 (213~711)
Travel motor	Capacity (min/max)	cc/rev	107
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~32 (427~455)
Axle	Gear ratio	-	15.43
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	60 (853)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-100

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH)	31Q4-50111	31Y1-31320
Boom cylinder (RH)	31Q4-50121	31Y1-31320
Boom cylinder (LH,Adjust)	31Q4-50911	31Y1-31320
Boom cylinder (RH,Adjust)	31Q4-50921	31Y1-31320
Arm cylinder	31Q4-50132	31Y1-31150
Bucket cylinder -#0218/#0219-	31Q4-60113/4	31Y1-31490
Dozer cylinder (FR-LH) -#0033/#0034-	31Q4-70131/2	XKCC-00071
Dozer cylinder (FR-RH) -#0033/#0034-	31Q4-70141/2	XKCC-00071
Dozer cylinder (RR-LH) -#0033/#0034-	31Q4-70152/3	XKCD-01228
Dozer cylinder (RR-RH) -#0033/#0034-	31Q4-70162/3	XKCD-01228
Outrigger cylinder (LH)	31Q4-70211	XKCC-00097
Outrigger cylinder (RH)	31Q4-70221	XKCC-00097
Aujust cylinder (Adjust)	31Q4-52941	31Y1-16170

※ The part numbers are only reference.

R140W-9A

Filter

Description		Part No.	Service interval (hr)
Engine oil		11N8-70110	500
Fuel	-#0003	11Q7-70010	500
	#0004-	11Q7-71010	500
Prefilter	-#0037	11NA-71041	500
	#0038-	11QA-71040	500
Hydraulic	Return -#0035	31N4-01461	1000
	#0036-0281	31Q6-01281	1000
	#0282-	31RF-10100	1000
	Line	31Q6-20340	1000
	Drain -#0281	31N8-01360	1000
	#0282-	31K6-01320	1000
	Air breather	31EE-02110	1000
Air cleaner	Inner	11LL-45190	4000
	Outer	11Q6-10180	* ¹ 1000 (clean)
Air conditioner	Inner	11N6-90770	As required
	Outer	11Q6-90510	* ¹ 250 (Clean)

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		23.7 (6.3)	500
Fuel		270 (71.3)	-
Transmission		2.5 (0.7)	1000
Axle	Casing (FR)	9.0 (2.38)	1500
	Casing (RR)	11.2 (2.96)	1500
	Hub	2.4 × 2 (0.63 × 2)	1500
Hydraulic oil	Tank	124 (32.8)	* ¹ 2000 * ² 5000
	System	240 (63.4)	-
Swing drive		2.5 (0.7)	1000
Engine coolant		19.5 (5.2)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth point	61N4-31210GG	
Bucket side cutter (LH)	61E3-3033GG	
Bucket side cutter (RH)	61E3-3034GG	

※ The part numbers are only reference.

R140W-9S

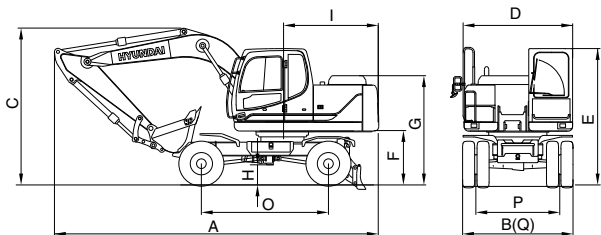
Specification

Item		Unit	Specification
Dimension	Operating weight	ton (lb)	13.7 (30200)
	Bucket capacity	m ³ (yd ³)	0.58 (0.76)
	Overall length	A mm (ft-in)	7760 (25' 6")
	Overall width	B mm (ft-in)	2500 (8' 2")
	Overall height	C mm (ft-in)	3500 (11' 6")
	Superstructure width	D mm (ft-in)	2475 (8' 1")
	Overall height of cab	E mm (ft-in)	3140 (10' 4")
	Ground clearance of counterweight	F mm (ft-in)	1210 (4' 0")
	Engine cover height	G mm (ft-in)	2320 (7' 7")
	Minimum ground clearance	H mm (ft-in)	397 (1' 4")
	Rear-end swing radius	I mm (ft-in)	2330 (7' 8")
Engine	Model	-	Cummins B 3.9
	Rated horse power (Gross)	hp/rpm	105/2100
	Maximum torque (at 1500 rpm)	kgf-m (lbf-ft)	45.6 (330)
	Piston displacement	cc (cu in)	3900 (238)
Performance	Swing speed	rpm	12.9
	Travel speed (low/high)	km/h (mph)	8/30 (5.0/18.6)
	Gradeability	degree	35
	Max traction force	ton (lb)	8.0 (17640)
	Bucket digging force (SAE)	ton (lb)	8.8 (19620)
	Arm crowd force (SAE)	ton (lb)	7.5 (16530)
	Boom (raise/lower/*lower)	sec	3.4/2.6/*2.8
	Arm (in-regen ON, OFF/*in/out)	sec	2.6, 3.0/*2.5/2.5
	Bucket (load/dump)	sec	3.3/2.0
Working range	Max digging reach	J mm (ft-in)	7750 (25' 5")
	Max digging depth	K mm (ft-in)	4650 (15' 3")
	Max vertical wall digging depth	L mm (ft-in)	4350 (14' 3")
	Max dumping height	M mm (ft-in)	5960 (19' 7")
	Min swing radius	N mm (ft-in)	2620 (8' 7")
Under-carrriage	Wheel base	O mm (ft-in)	2600 (8' 6")
	Tread	P mm (ft-in)	1944 (6' 5")
	Dozer blade width	Q mm (ft-in)	2490 (8' 2")
Tire	Size	-	9.00-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

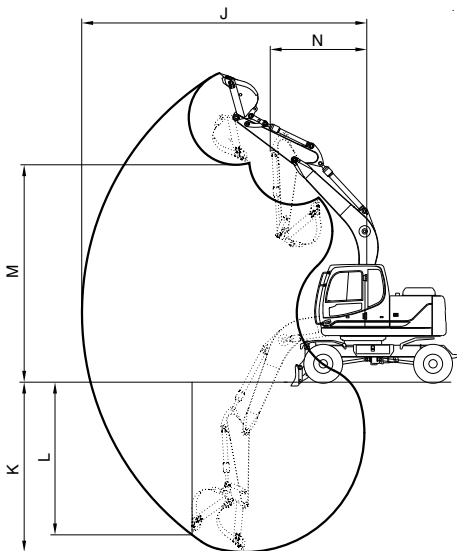
※ STD : 4.6 m boom, 2.1 m arm, 0.58 m³ bucket

* : Cluster type 2

Dimension



Working range



R140W-9S

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×62
	Rated oil flow	lpm (U.S. gpm)	2×130 (34.3)
	Rated speed	rpm	2100
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	31.5 (8.3)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	11
Swing motor	Capacity	cc/rev	72
	Relief pressure -#0036	kgf/cm ² (psi)	260 (3700)
	Relief pressure #0037-	kgf/cm ² (psi)	240 (3410)
	Brake release pressure	kgf/cm ² (psi)	15~50 (213~711)
Travel motor	Capacity (min/max)	cc/rev	43/107
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~35 (426~498)
	Lubrication pressure	kgf/cm ² (psi)	3 (43)
Axle	Gear ratio	-	15.43
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	60 (853)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-80

R140W-9S

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH)	31Q4-50111	31Y1-31320
DY POWER #0914-	31Q4-05111E	XKCD-05128
Boom cylinder (RH)	31Q4-50121	31Y1-31320
DY POWER #0914-	31Q4-05121E	XKCD-05128
Boom adjust cyl (LH)	31Q4-50911	31Y1-31320
DY POWER #0914-	31Q4-50911E	XKCD-05128
Boom adjust cyl (RH)	31Q4-50921	31Y1-31320
DY POWER #0914-	31Q4-50921E	XKCD-05128
Arm cylinder	31Q4-50132	31Y1-31150
DY POWER #0914-	31Q4-05132E	XKCD-05097
Bucket cylinder -#0007/#0008-/#0587-	31Q4-60112/3/4	31Y1-31490
DY POWER #0914-	31Q4-60114E	XKCD-05164
Dozer cylinder (FR-LH) -#0394/#0395-	31Q4-70131/2	XKCC-00071
Dozer cylinder (FR-RH) -#0394/#0395-	31Q4-70141/2	XKCC-00071
Dozer cylinder (RR-LH) -#0394/#0395-	31Q4-70152/3	XKCD-01228
Dozer cylinder (RR-RH) -#0394/#0395-	31Q4-70162/3	XKCD-01228
Outrigger cylinder (LH)	31Q4-70211	XKCC-00097
Outrigger cylinder (RH)	31Q4-70221	XKCC-00097
Adjust cylinder	31Q4-52941	31Y1-16170
DY POWER #0914-	31Q4-52941E	XKCD-05425

※ The part numbers are only reference.

R140W-9S

Filter

Description		Part No.	Service interval (hr)
Engine oil		11N4-70110	500
Fuel		11E1-70010 *11E1-70210	500
Prefilter		11LB-20310	500
Hydraulic	Return -#0098	31N4-01460	1000
	#0099-0394	31N4-01461	1000
	#0395-0681	31Q6-01281	1000
	#0682-	31RF-10100	
	Line	31Q6-20340	1000
	Drain -#0681	31N8-01360	1000
	#0682-	31K6-01320	
Air breather	31EE-02110	1000	
Air cleaner	Inner	11N6-27030	As required
	Outer	11N6-27040	*1500 (clean)
Air conditioner	Inner	11N6-90770	As required
	Outer	11Q6-90510	*1250 (Clean)

* : Fuel & water separator *1 Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		15.3 (4.0)	500
Fuel		270 (71.3)	-
Transmission		2.5 (0.7)	1000
Axle	Casing (FR)	7.7 (2.03)	1500
	Casing (RR)	10.5 (2.77)	1500
	Hub	2.8 × 2 (0.74 × 2)	1500
Hydraulic oil	Tank	124 (32.8)	*12000 *25000
	System	240 (63.4)	-
Swing drive		2.5 (0.7)	1000
Engine coolant		17 (4.5)	2000

*1 Conventional hydraulic oil *2 Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	61N4-31210GG	
Bucket side cutter (LH)	61E3-3033GG	
Bucket side cutter (RH)	61E3-3034GG	

※ The part numbers are only reference.

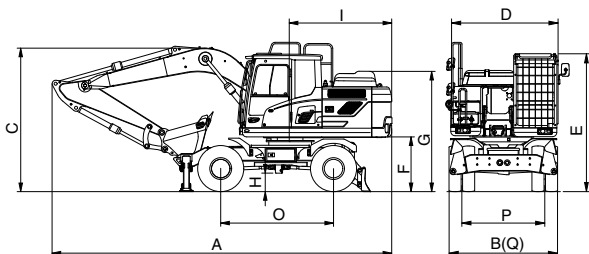
HW140

Specification

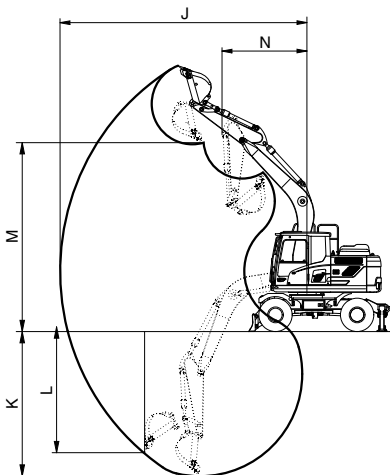
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	13.8 (30600)
	Bucket capacity	m ³ (yd ³)	0.58 (0.76)
	Overall length	A mm (ft-in)	7760 (25' 6")
	Overall width	B mm (ft-in)	2500 (8' 2")
	Overall height	C mm (ft-in)	3500 (11' 6")
	Superstructure width	D mm (ft-in)	2475 (8' 1")
	Overall height of cab	E mm (ft-in)	3140 (10' 4")
	Ground clearance of counterweight	F mm (ft-in)	1210 (4' 0")
	Engine cover height	G mm (ft-in)	2740 (9' 0")
	Minimum ground clearance	H mm (ft-in)	397 (1' 4")
	Rear-end swing radius	I mm (ft-in)	2330 (7' 8")
Engine	Model	-	Cummins QSB 6.7
	Rated horse power (Gross)	hp/rpm	157/2150
	Maximum torque (at 1500 rpm)	kgf-m (lbf-ft)	68.6 (496)
	Piston displacement	cc (cu in)	6700 (409)
Performance	Swing speed	rpm	11.7
	Travel speed (low/high)	km/h (mph)	10/39 (6.2/24.2)
	Gradeability	degree	35
	Max traction force	ton (lb)	8.5 (18740)
	Bucket digging force (SAE)	ton (lb)	8.8 (19620)
	Arm crowd force (SAE)	ton (lb)	7.5 (16530)
	Boom (raise/lower)	sec	3.4/2.7
	Arm (in-regen ON, OFF/out)	sec	2.7, 3.2/2.9
	Bucket (load/dump)	sec	3.7/2.3
Working range	Max digging reach	J mm (ft-in)	8140 (26' 8")
	Max digging depth	K mm (ft-in)	4810 (15' 9")
	Max vertical wall digging depth	L mm (ft-in)	4190 (13' 9")
	Max dumping height	M mm (ft-in)	6620 (21' 9")
	Min swing radius	N mm (ft-in)	2660 (8' 9")
Under-carrage	Wheel base	O mm (ft-in)	2600 (8' 6")
	Tread	P mm (ft-in)	1944 (6' 5")
	Dozer blade width	Q mm (ft-in)	2490 (8' 2")
Tire	Size	-	9.00-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 4.6 m boom, 2.1 m arm, 0.58 m³ bucket

Dimension



Working range



HW140

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×27.5
	Rated oil flow	lpm (U.S. gpm)	2×168 (44.4)
	Rated speed	rpm	2100
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	32.3 (8.5)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	11
Swing motor	Capacity	cc/rev	71
	Relief pressure	kgf/cm ² (psi)	285 (4054)
	Brake release pressure	kgf/cm ² (psi)	15~50 (213~711)
Travel motor	Capacity (min/max)	cc/rev	40/107
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~32 (427~455)
	Lubrication pressure	kgf/cm ² (psi)	3 (43)
Axle	Gear ratio	-	16.0
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	60 (850)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-100

HW140

Filter

Description		Part No.	Service interval (hr)
Engine oil		11N8-70110	500
Fuel		11Q7-71010	500
Prefilter	-#0003	11QA-71040	500
	#0004-	11KA-71040	500
Hydraulic	Return -#0051	31Q6-01281	1000
	#0052-	31RF-10100	1000
	Line	31Q6-20340	1000
	Drain -#0051	31N8-01360	1000
	#0052-	31K6-01320	1000
	Air breather -#0009	31EE-02110	1000
	#0010-	32QA-00140	1000
Air cleaner	Inner	11N6-27030	As required * ¹ 500 (clean)
	Outer	11N6-27040	
Air conditioner	Inner -#0024	11K6-90770	500
	#0025-	11K6-90780	500
	Outer	71LM-00290	500

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		23.7 (6.3)	500
Fuel		270 (71.3)	-
Transmission		2.5 (0.7)	1000
Axle	Casing (FR)	9.0 (2.38)	1500
	Casing (RR)	11.2 (2.96)	1500
	Hub	2.4 × 2 (0.63 × 2)	1500
Hydraulic oil	Tank	120 (31.7)	* ¹ 2000 * ² 5000
	System	210 (55.5)	-
Swing drive	Type1	3.5 (0.9)	1000
	Type2	2.5 (0.7)	1000
Engine coolant		19.5 (5.2)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	61N4-31210GG	
Bucket side cutter (LH)	61E3-3033GG	
Bucket side cutter (RH)	61E3-3034GG	

※ The part numbers are only reference.

HW140

Cylinder (included piping)

Description		Assy part No.	Seal kit part No.
Boom cylinder (LH)	-#0010	31K4-50110	31Y1-31320
HCE	#0011-	31Q4-50111GG	31Y1-31320
CHANGZHOU	#0011-	31Q4-50111CGG	31Y1-31320
DY POWER	#0222-	31K4-52110E	XKCD-05128
Boom cylinder (RH)	-#0010	31K4-50120	31Y1-31320
HCE	#0011-	31Q4-50121GG	31Y1-31320
CHANGZHOU	#0011-	31Q4-50121CGG	31Y1-31320
DY POWER	#0222-	31K4-52120E	XKCD-05128
Boom cylinder (LH,Adjust)	HCE	31K4-50910	31Y1-31320
CHANGZHOU	#0011-	31K4-50910C	31Y1-31320
DY POWER	#0222-	31K4-52910E	XKCD-05128
Boom cylinder (RH,Adjust)	HCE	31K4-50920	31Y1-31320
CHANGZHOU	#0011-	31K4-50920C	31Y1-31320
DY POWER	#0222-	31K4-52920E	XKCD-05128
Arm cylinder	HCE	31K4-50130	31Y1-31150
CHANGZHOU		31K4-50130C	31Y1-31150
DY POWER	#0222-	31K4-52130E	XKCD-05097
Bucket cylinder	HCE	31K4-60111	31Y1-31490
CHANGZHOU		31K4-60111C	31Y1-31490
DY POWER	#0222-	31K4-60111E	HK01430
Dozer cylinder (FR-LH)		31Q4-70132	XKCC-00071
Dozer cylinder (FR-RH)		31Q4-70142	XKCC-00071
Dozer cylinder (RR-LH)		31Q4-70153	XKCD-01228
Dozer cylinder (RR-RH)		31Q4-70163	XKCD-01228
Outrigger cylinder (LH)		31Q4-70211	XKCC-00097
Outrigger cylinder (RH)		31Q4-70221	XKCC-00097
Aujust cylinder (Adjust)	HCE	31K4-52940	31Y1-16170
CHANGZHOU		31K4-52940C	31Y1-16170

※ The part numbers are only reference.

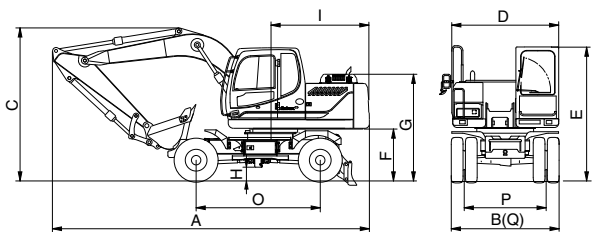
R160W-9A

Specification

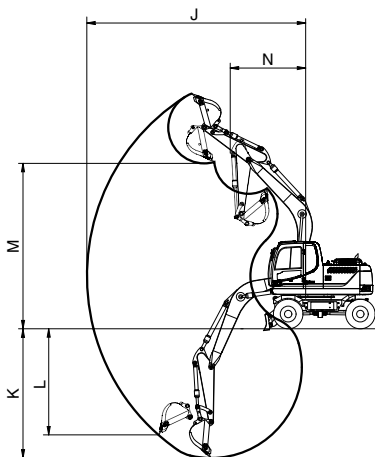
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	16.7 (36820)
	Bucket capacity	m ³ (yd ³)	0.7 (0.92)
	Overall length	A mm (ft-in)	8480 (27' 10")
	Overall width	B mm (ft-in)	2500 (8' 2")
	Overall height	C mm (ft-in)	3120 (10' 3")
	Superstructure width	D mm (ft-in)	2475 (8' 1")
	Overall height of cab	E mm (ft-in)	3190 (10' 6")
	Ground clearance of counterweight	F mm (ft-in)	1270 (4' 2")
	Engine cover height	G mm (ft-in)	2610 (8' 7")
	Minimum ground clearance	H mm (ft-in)	340 (1' 1")
	Rear-end swing radius	I mm (ft-in)	2430 (8'10")
Engine	Model	-	Cummins QSB 6.7
	Rated horse power (Gross)	hp/rpm	165/2200
	Maximum torque (at 1500 rpm)	kgf-m (lbf-ft)	74.7 (540)
	Piston displacement	cc (cu in)	6700 (409)
Performance	Swing speed	rpm	9.5
	Travel speed (low/high)	km/h (mph)	9.5/36.6 (5.9/22.7)
	Gradeability	degree	30
	Max traction force	ton (lb)	11.0 (24250)
	Bucket digging force (SAE)	ton (lb)	11.0 (24250)
	Arm crowd force (SAE)	ton (lb)	8.89 (19600)
	Boom (raise/lower)	sec	3.8/2.7
	Arm (in-regen ON, OFF/out)	sec	3.2, 3.8/3.2
	Bucket (load/dump)	sec	4.4/2.8
Working range	Max digging reach	J mm (ft-in)	8570 (28' 1")
	Max digging depth	K mm (ft-in)	5350 (17' 7")
	Max vertical wall digging depth	L mm (ft-in)	4740 (15' 7")
	Max dumping height	M mm (ft-in)	6220 (20' 5")
	Min swing radius	N mm (ft-in)	3140 (10' 4")
Under-carrage	Wheel base	O mm (ft-in)	2600 (8' 6")
	Tread	P mm (ft-in)	1914 (6' 3")
	Dozer blade width	Q mm (ft-in)	2500 (8' 2")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 5.0 m boom, 2.2 m arm, 0.7 m³ bucket

Dimension



Working range



R160W-9A

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×80
	Rated oil flow	lpm (U.S. gpm)	2×172 (45.4)
	Rated speed	rpm	2150
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	32.3 (8.5)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	11
Swing motor	Capacity	cc/rev	117.8
	Relief pressure	kgf/cm ² (psi)	285 (4050)
	Brake release pressure	kgf/cm ² (psi)	33~50 (469~711)
Travel motor	Capacity	cc/rev	140
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~32 (427~455)
Axle	Gear ratio	-	16.0
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	80 (1140)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-100

R160W-9A

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH/RH)	31Q5-50113/23	31Y1-34790
CHANGZHOU #0071-	31Q5-50113C/23C	31Y1-34790
DY POWER #0071-	31Q5-50113E/23E	XKCD-05324
Adjust boom cyl (LH/RH, Adjust)	31Q5-50910/20	31Y1-38470
DY POWER #0071-	31Q5-52910E/20E	XKCD-05324
Arm cylinder	31Q5-50132	31Y1-34600
CHANGZHOU #0071-	31Q5-50132C	31Y1-34600
DY POWER #0071-	31Q5-50132E	XKCD-05311
Bucket cylinder	31Q5-60112	31Y1-35030
CHANGZHOU #0071-	31Q5-60112C	31Y1-35030
DY POWER #0071-	31Q5-60112E	XKCD-05311
Dozer cylinder (LH)	31Q5-70112	XKCC-00097
Dozer cylinder (RH)	31Q5-70122	XKCC-00097
Outrigger cylinder (LH)	31Q5-70211	XKCC-00589
Outrigger cylinder (RH)	31Q5-70221	XKCC-00589
Adjust cylinder (Adjust)	31Q5-53100	31Y1-24090
CHANGZHOU #0071-	31Q5-53100C	31Y1-24090
DY POWER #0071-	31Q5-53100E	XKCD-05324

※ The part numbers are only reference.

R160W-9A

Filter

Description		Part No.	Service interval (hr)
Engine oil		11N8-70110	500
Fuel		11Q7-71010	500
Prefilter		11QA-71040	500
Hydraulic	Return -#0056	31Q6-01281	1000
	#0057-	31RF-10100	1000
	Line	31Q6-20340	1000
	Drain -#0056	31N8-01360	1000
	#0057-	31K6-01320	1000
Air breather		31EE-02110	1000
Air cleaner	Inner	11LL-45190	4000
	Outer	11Q6-10180	* ¹ 1000 (clean)
Air conditioner	Inner	11N6-90770	As required
	Outer	11Q6-90510	* ¹ 250 (Clean)

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		23.7 (6.3)	500
Fuel		270 (71.3)	-
Transmission		3.0 (0.79)	1000
Axle	Casing (FR)	10.5 (2.8)	1500
	Casing (RR)	12.5 (3.3)	1500
	Hub	2.5 × 2 (0.7 × 2)	1500
Hydraulic oil	Tank	125 (33.0)	* ¹ 2000 * ² 5000
	System	210 (55.5)	-
Swing drive		5.0 (1.3)	1000
Engine coolant		19.5 (5.2)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth point	61N6-31310GG	
Bucket side cutter (LH)	61E3-3033GG	
Bucket side cutter (RH)	61E3-3034GG	

※ The part numbers are only reference.

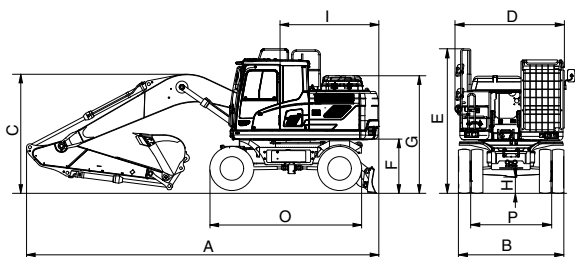
HW160

Specification

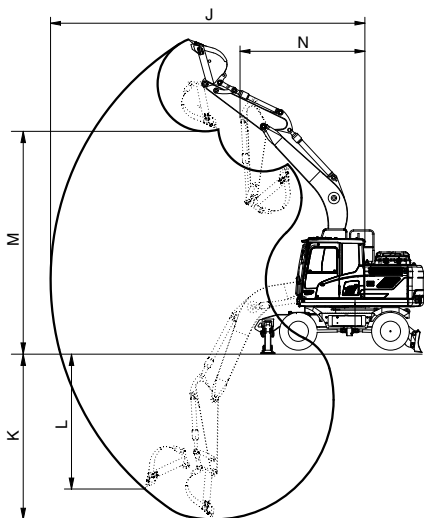
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	17.1 (37700)
	Bucket capacity	m ³ (yd ³)	0.70 (0.92)
	Overall length (travel/shipping) A	mm (ft-in)	8400 (27' 7")/8450 (27' 9")
	Overall width B	mm (ft-in)	2500 (8' 2")
	Overall height (travel/shipping) C	mm (ft-in)	3460 (11' 4")/3180 (10' 5")
	Superstructure width D	mm (ft-in)	2475 (8' 1")
	Overall height of cab E	mm (ft-in)	3190 (10' 6")
	Ground clearance of counterweight F	mm (ft-in)	1270 (4' 2")
	Engine cover height G	mm (ft-in)	2800 (9' 2")
	Minimum ground clearance H	mm (ft-in)	340 (1' 1")
	Rear-end swing radius I	mm (ft-in)	2430 (8' 0")
Engine	Model	-	Cummins QSB 6.7
	Rated horse power (Gross)	hp/rpm	180/1800
	Maximum torque (at 1500 rpm)	kgf-m (lbf-ft)	85.7 (620)
	Piston displacement	cc (cu in)	6700 (409)
Performance	Swing speed	rpm	9.3
	Travel speed (low/high)	km/h (mph)	9.5 (5.9)/35 (21.7)
	Gradeability	degree	35 (70)
	Max traction force	ton (lb)	10.72 (23630)
	Bucket digging force (SAE)	ton (lb)	10.0 (22050)
	Arm crowd force (SAE)	ton (lb)	7.75 (17090)
	Boom (raise/lower)	sec	3.7/2.6
	Arm (in-regen ON, OFF/out)	sec	2.7, 3.0/2.7
	Bucket (load/dump)	sec	4.0/2.6
Working range	Max digging reach J	mm (ft-in)	8570 (28' 1")
	Max digging depth K	mm (ft-in)	5350 (17' 7")
	Max vertical wall digging depth L	mm (ft-in)	4710 (15' 5")
	Max dumping height M	mm (ft-in)	6210 (20' 4")
	Min swing radius N	mm (ft-in)	3310 (10' 10")
Under-carrage	Wheel base O	mm (ft-in)	2600 (8' 6")
	Tread P	mm (ft-in)	1914 (6' 3")
	Dozer blade width Q	mm (ft-in)	2500 (8' 2")
Tire	Size	-	10.00-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 5.0 m boom, 2.2 m arm, 0.70 m³ bucket

Dimension



Working range



HW160

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×80
	Rated oil flow	lpm (U.S. gpm)	2×176
	Rated speed	rpm	2200
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	33.0 (8.7)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	11
Swing motor (Type 1)	Capacity	cc/rev	117.8
	Relief pressure	kgf/cm ² (psi)	285 (4054)
	Brake release pressure	kgf/cm ² (psi)	33~50 (469~711)
Swing motor (Type 2)	Capacity	cc/rev	142.8
	Relief pressure	kgf/cm ² (psi)	285 (4054)
	Brake release pressure	kgf/cm ² (psi)	22.3~36.6 (317~521)
Travel motor	Capacity (min/max)	cc/rev	140
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~32 (427~455)
	Lubrication pressure	kgf/cm ² (psi)	-
Axle	Gear ratio	-	16.0
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	61.2 (870)
	Steering pressure	kgf/cm ² (psi)	204 (2900)
Battery	Capacity	V-AH	24-100

HW160

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH)	32Q5-50110GG	31Y1-46500
CHANGZHOU #0051-	32Q5-50110CGG	31Y1-46500
DY POWER #0051-	32Q5-50110EGG	XKCD-05256
Boom cylinder (RH)	32Q5-50120GG	31Y1-46500
CHANGZHOU #0051-	32Q5-50120CGG	31Y1-46500
DY POWER #0051-	32Q5-50120EGG	XKCD-05256
Adjust boom cyl (LH/RH)	#0002 31Y1-46810	31Y1-46500
	#0003- 32K5-50910/20	31Y1-46500
CHANGZHOU #0051-	32K5-50910C/20C	31Y1-46500
DY POWER #0051-	32K5-50910E/20E	XKCD-05256
Arm cylinder	32Q5-50130GG	31Y1-34600
CHANGZHOU #0051-	32Q5-50130CGG	31Y1-46270
DY POWER #0051-	32Q5-50130EGG	XKCD-05231
Bucket cylinder	32Q5-60110GG	31Y1-46680
CHANGZHOU #0051-	32Q5-60110CGG	31Y1-46680
DY POWER #0051-	32Q5-60110EGG	31Y1-46680
Dozer cylinder (LH/RH)	31Q5-70112/22	XKCC-00097
Outrigger cylinder (LH/RH)	31Q5-70211/21	XKCC-00589
Adjust cylinder	31K5-52940	31Y1-24090
CHANGZHOU #0051-	31K5-52940C	31Y1-24090
DY POWER #0051-	31K5-52940E	31Y1-24090

※ The part numbers are only reference.

HW160

Filter

Description		Part No.	Service interval (hr)
Engine oil		11N8-70110	500
Fuel		5303743	500
Prefilter		11KA-71040	500
Hydraulic	Return	31RF-10100	1000
	Line	31Q6-20340	1000
	Drain	31K6-01320	1000
	Air breather	32QA-00140	1000
Air cleaner	Inner	11N6-27030	2000
	Outer	11N6-27040	* ¹ 500 (clean)
Air conditioner	Inner	11K6-90780	500
	Outer	71LM-00290	500

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		23.7 (6.3)	500
Fuel		290 (76.6)	-
DEF/AdBlue® Tank		27.0 (7.1)	-
Transmission		2.5 (0.7)	1000
Axle	Casing (FR)	10.5 (2.8)	1500
	Casing (RR)	12.5 (3.3)	1500
	Hub	2.5 × 2 (0.7 × 2)	1500
Axle-wide	Casing (FR)	11.6 (3.06)	1500
	Casing (RR)	14.0 (3.70)	1500
	Hub	2.5 × 2 (0.7 × 2)	1500
Hydraulic oil	Tank	125 (33.0)	* ¹ 2000 * ² 5000
	System	270 (71.3)	-
Swing drive (Type 1/2)		5.0 (1.32)/6.2 (1.64)	1000
Engine coolant		19.5 (5.2)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	61N6-31310GG	
Bucket side cutter (LH)	61E3-3033GG	
Bucket side cutter (RH)	61E3-3034GG	

※ The part numbers are only reference.

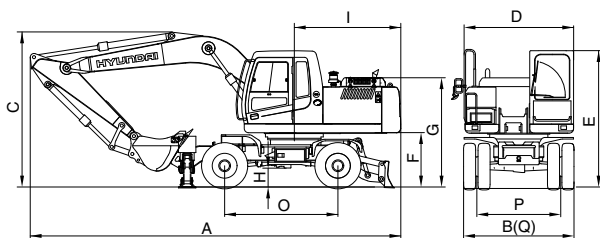
R170W-7

Specification

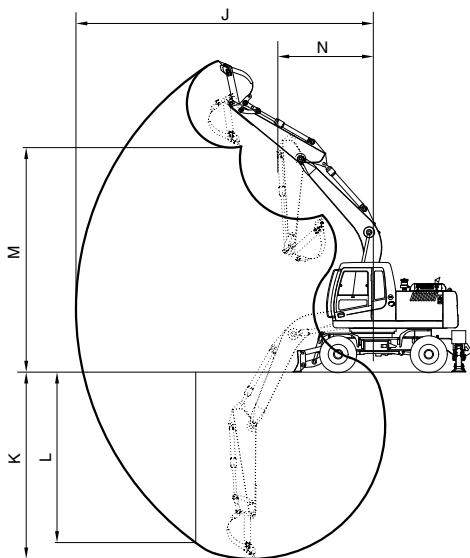
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	16.2 (35710)
	Bucket capacity	m ³ (yd ³)	0.76 (0.99)
	Overall length	A mm (ft-in)	8610 (28' 3")
	Overall width	B mm (ft-in)	2500 (8' 2")
	Overall height	C mm (ft-in)	3040 (10' 0")
	Superstructure width	D mm (ft-in)	2475 (8' 1")
	Overall height of cab	E mm (ft-in)	3150 (10' 4")
	Ground clearance of counterweight	F mm (ft-in)	1270 (4' 2")
	Engine cover height	G mm (ft-in)	2532 (8' 4")
	Minimum ground clearance	H mm (ft-in)	375 (1' 3")
	Rear-end swing radius	I mm (ft-in)	2530 (8' 4")
Engine	Model	-	Mistubishi S6S-DT
	Rated horse power (Gross)	hp/rpm	126/2100
	Maximum torque (at 1500 rpm)	kgf-m (lbf-ft)	42.5 (307)
	Piston displacement	cc (cu in)	4996 (305)
Performance	Swing speed	rpm	11.5
	Travel speed (low/high)	km/h (mph)	9.5/30 (5.9/18.6)
	Gradeability	degree	30
	Max traction force	ton (lb)	11.0 (24300)
	Bucket digging force (SAE)	ton (lb)	11.07 (24410)
	Arm crowd force (SAE)	ton (lb)	8.69 (19160)
	Boom (raise/lower)	sec	3.2/2.6
	Arm (in/out)	sec	3.3/2.8
	Bucket (load/dump)	sec	3.8/2.1
Working range	Max digging reach	J mm (ft-in)	8690 (28' 6")
	Max digging depth	K mm (ft-in)	5420 (17' 9")
	Max vertical wall digging depth	L mm (ft-in)	4890 (16' 1")
	Max dumping height	M mm (ft-in)	6350 (20' 10")
	Min swing radius	N mm (ft-in)	3180 (10' 5")
Under-cage	Wheel base	O mm (ft-in)	2600 (8' 6")
	Tread	P mm (ft-in)	1914 (6' 3")
	Dozer blade width	Q mm (ft-in)	2490 (8' 2")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	6.75 (96)

※ STD : 5.1 m boom, 2.2 m arm, 0.76 m³ bucket

Dimension



Working range



R170W-7

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×80
	Rated oil flow	lpm (U.S. gpm)	2×168 (44.4)
	Rated speed	rpm	2100
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	31.5 (8.3)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	330 (4690)
	Port relief pressure	kgf/cm ² (psi)	380 (5400)
	Spools	ea	11
Swing motor	Capacity	cc/rev	117.8
	Relief pressure	kgf/cm ² (psi)	240 (3410)
	Brake release pressure	kgf/cm ² (psi)	20 (284)
Travel motor	Capacity (min/max)	cc/rev	65/160
	Relief pressure	kgf/cm ² (psi)	360 (5120)
Transmission	Gear ratio (1st/2nd)	-	5.35/1.39
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~35 (426~498)
	Lubrication pressure	kgf/cm ² (psi)	3 (43)
Axle	Gear ratio	-	19.62
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	60 (853)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-100

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH)	31N5-50110	31Y1-20430
Boom cylinder (RH)	31N5-50120	31Y1-20430
Aujust boom cyl (LH,Adjust) #0022-	31N5-52911	31Y1-20430
Aujust boom cyl (RH,Adjust)#0022-	31N5-52921	31Y1-20430
Arm cylinder	31N5-50131	31Y1-20450
Bucket cylinder	31N5-60110	31Y1-20340
Dozer cylinder (LH)	31EK-70050	31Y1-14050
Dozer cylinder (RH)	31EK-70060	31Y1-14050
Outrigger cylinder (LH)	31EK-70531	31Y1-14200
Outrigger cylinder (RH)	31EK-70541	31Y1-14200
Adjust cylinder (Adjust) #0022-	31N5-52940	31Y1-24090

※ The part numbers are only reference.

R170W-7

Filter

Description		Part No.	Service interval (hr)	
Engine oil	-#1479 #1480-	32B40-10100 XJAF-00718	250	
Fuel		34362-00101	500	
Prefilter	#0356-	11LB-20310	500	
Hydraulic	Return	E131-0212	250	
	Line	31E3-0018	250	
	Drain	31E9-0126	250	
	Air breather	31EE-02110	250	
Air cleaner	Inner	-#0783 #0784-	11EM-21051 11N6-24530	As required As required
	Outer	-#0783 #0784-	11EM-21041 11N6-24520	* ¹ 500 (clean) * ¹ 500 (clean)
	Air conditioner	Inner	11N6-90770	As required
		Outer	11N6-90760	* ¹ 250 (clean)

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		16.5 (4.4)	250
Fuel		260 (68.7)	-
Transmission		3.2 (0.85)	1000
Axle	Casing (FR)	8.5 (2.2)	1000
	Casing (RR)	10 (2.6)	1000
	Hub	2×2.0 (0.5×2)	1000
Hydraulic oil	Tank	160 (42.3)	* ¹ 2000
	System	270 (71.3)	-
Swing drive		5.0 (1.3)	1000
Engine coolant		30 (7.9)	2000

*¹ Conventional hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	E161-3027	-#1255
	61N6-31310BG	#1256-
Bucket side cutter (LH)	61E3-3033/BG	-#1255/#1256-
Bucket side cutter (RH)	61E3-3034/BG	-#1255/#1256-

※ The part numbers are only reference.

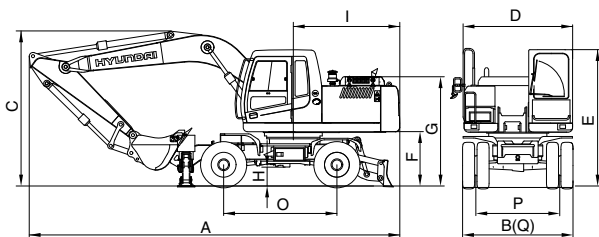
R170W-7A

Specification

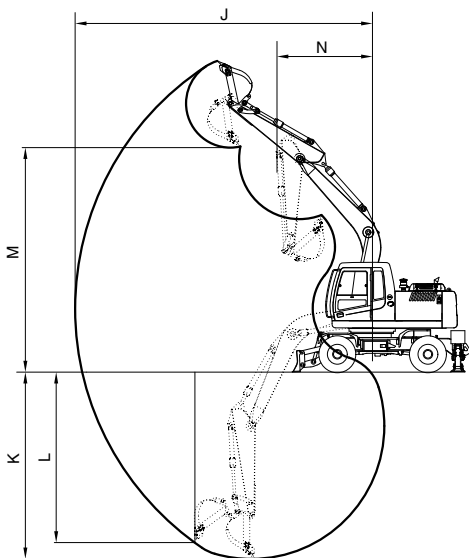
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	16.4 (36160)
	Bucket capacity	m ³ (yd ³)	0.76 (0.99)
	Overall length	A mm (ft-in)	8610 (28' 3")
	Overall width	B mm (ft-in)	2500 (8' 2")
	Overall height	C mm (ft-in)	3040 (10' 0")
	Superstructure width	D mm (ft-in)	2475 (8' 1")
	Overall height of cab	E mm (ft-in)	3150 (10' 4")
	Ground clearance of counterweight	F mm (ft-in)	1270 (4' 2")
	Engine cover height	G mm (ft-in)	2532 (8' 4")
	Minimum ground clearance	H mm (ft-in)	375 (1' 3")
	Rear-end swing radius	I mm (ft-in)	2530 (8' 4")
Engine	Model	-	Mistubishi D04FD-TAA
	Rated horse power (Gross)	hp/rpm	126/2000
	Maximum torque (at 1800 rpm)	kgf-m (lbf-ft)	47.7 (345)
	Piston displacement	cc (cu in)	4249 (259)
Performance	Swing speed	rpm	11.5
	Travel speed (low/high)	km/h (mph)	9.5/30 (5.9/18.6)
	Gradeability	degree	30
	Max traction force	ton (lb)	11.0 (24300)
	Bucket digging force (SAE)	ton (lb)	11.07 (24410)
	Arm crowd force (SAE)	ton (lb)	8.69 (19160)
	Boom (raise/lower)	sec	3.4/3.0
	Arm (in/out)	sec	3.6/2.7
	Bucket (load/dump)	sec	4.1/2.7
Working range	Max digging reach	J mm (ft-in)	8690 (28' 6")
	Max digging depth	K mm (ft-in)	5420 (17' 9")
	Max vertical wall digging depth	L mm (ft-in)	4890 (16' 1")
	Max dumping height	M mm (ft-in)	6350 (20' 10")
	Min swing radius	N mm (ft-in)	3180 (10' 5")
Under-carrage	Wheel base	O mm (ft-in)	2600 (8' 6")
	Tread	P mm (ft-in)	1914 (6' 3")
	Dozer blade width	Q mm (ft-in)	2490 (8' 2")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	6.75 (96)

※ STD : 5.1 m boom, 2.2 m arm, 0.76 m³ bucket

Dimension



Working range



R170W-7A

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×80
	Rated oil flow	lpm (U.S. gpm)	2×168 (44.4)
	Rated speed	rpm	2100
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	31.5 (8.3)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	330 (4690)
	Port relief pressure	kgf/cm ² (psi)	380 (5400)
	Spools	ea	11
Swing motor	Capacity	cc/rev	117.8
	Relief pressure	kgf/cm ² (psi)	240 (3410)
	Brake release pressure	kgf/cm ² (psi)	20 (284)
Travel motor	Capacity (min/max)	cc/rev	65/160
	Relief pressure	kgf/cm ² (psi)	360 (5120)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~35 (426~498)
	Lubrication pressure	kgf/cm ² (psi)	3 (43)
Axle	Gear ratio	-	22.11
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	60 (853)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-100

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH/RH)	31N5-50110/20	31Y1-20430
Adjust boom cyl (LH, Adjust)	31N5-52911	31Y1-20430
Adjust boom cyl (RH, Adjust)	31N5-52921	31Y1-20430
Arm cylinder	31N5-50131	31Y1-20450
Bucket cylinder	31N5-60110	31Y1-20340
Dozer cylinder (LH/RH)	31N5-70050/60	31Y1-14050
Outtrigger cylinder (LH/RH)	31N5-70530/40	31Y1-14200
Adjust cylinder (Adjust)	31N5-52940	31Y1-24090

※ The part numbers are only reference.

R170W-7A

Filter

Description		Part No.	Service interval (hr)
Engine oil		XJAF-02362	500
Fuel		XJAF-03012	500
Prefilter		11NA-71041	500
Hydraulic	Return -#0411	31N4-01460	1000
	#0412-	31N4-01461	1000
	Line	31MH-20320	1000
	Drain	31N8-01360	1000
	Air breather	31EE-02110	250
Air cleaner	Inner	11N6-24530	As required
	Outer	11N6-24520	* ¹ 500 (clean)
Air conditioner	Inner	11N6-90770	As required
	Outer	11N6-90760	* ¹ 250 (Clean)

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		18.5 (4.9)	500
Fuel		260 (68.7)	-
Transmission		3.0 (0.8)	1000
Axle	Casing (FR)	10.5 (2.8)	1500
	Casing (RR)	15.1 (4.0)	1500
	Hub	2.5 × 2 (0.7 × 2)	1500
Hydraulic oil	Tank	160 (42.3)	* ¹ 2000
	System	270 (71.3)	-
Swing drive		5.0 (1.3)	1000
Engine coolant		30 (7.9)	2000

*¹ Conventional hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	61N6-31310BG	
Bucket side cutter (LH)	61E3-3033BG	
Bucket side cutter (RH)	61E3-3034BG	

※ The part numbers are only reference.

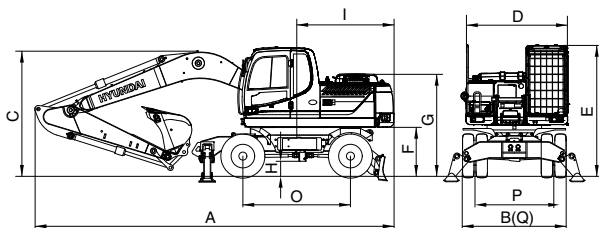
R170W-9

Specification

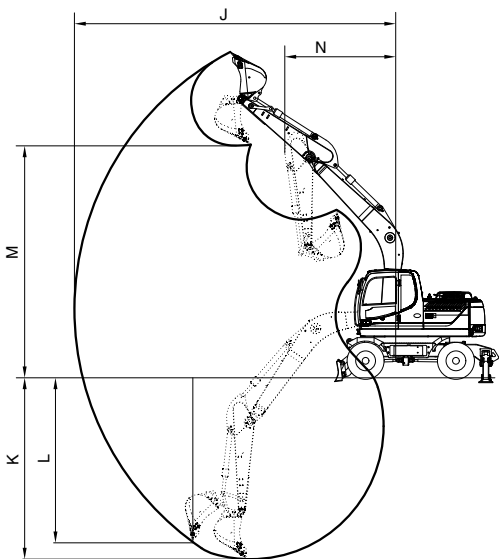
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	17.3 (38140)
	Bucket capacity	m ³ (yd ³)	0.76 (0.99)
	Overall length	A mm (ft-in)	8650 (28' 5")
	Overall width	B mm (ft-in)	2500 (8' 2")
	Overall height	C mm (ft-in)	3610 (11' 10")
	Superstructure width	D mm (ft-in)	2475 (8' 1")
	Overall height of cab	E mm (ft-in)	3190 (10' 6")
	Ground clearance of counterweight	F mm (ft-in)	1270 (4' 2")
	Engine cover height	G mm (ft-in)	2520 (8' 3")
	Minimum ground clearance	H mm (ft-in)	340 (1' 1")
	Rear-end swing radius	I mm (ft-in)	2480 (8' 2")
Engine	Model	-	Cummins QSB 6.7
	Rated horse power (Gross)	hp/rpm	163/2100
	Maximum torque (at 1400 rpm)	kgf-m (lbf-ft)	74.7 (540)
	Piston displacement	cc (cu in)	6700 (409)
Performance	Swing speed	rpm	11.0
	Travel speed (low/high)	km/h (mph)	10/36 (6.2/23.0)
	Gradeability	degree	35
	Max traction force	ton (lb)	9.4 (20810)
	Bucket digging force (SAE)	ton (lb)	11.0 (24250)
	Arm crowd force (SAE)	ton (lb)	8.89 (19600)
	Boom (raise/lower)	sec	3.29/3.27
	Arm (in-regen ON, OFF/out)	sec	3.17, 3.19/2.85
	Bucket (load/dump)	sec	3.29/1.96
Working range	Max digging reach	J mm (ft-in)	8760 (28' 9")
	Max digging depth	K mm (ft-in)	5120 (16' 10")
	Max vertical wall digging depth	L mm (ft-in)	4430 (14' 6")
	Max dumping height	M mm (ft-in)	6930 (22' 9")
	Min swing radius	N mm (ft-in)	3100 (10' 2")
Under-carrage	Wheel base	O mm (ft-in)	2600 (8' 6")
	Tread	P mm (ft-in)	1914 (6' 3")
	Dozer blade width	Q mm (ft-in)	2500 (8' 2")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 5.1 m boom, 2.2 m arm, 0.76 m³ bucket

Dimension



Working range



R170W-9

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×80
	Rated oil flow	lpm (U.S. gpm)	2×168 (44.4)
	Rated speed	rpm	2100
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	31.5 (8.3)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	11
Swing motor	Capacity	cc/rev	117.8
	Relief pressure	kgf/cm ² (psi)	285 (4050)
	Brake release pressure	kgf/cm ² (psi)	33~50 (469~711)
Travel motor	Capacity	cc/rev	140
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~35 (426~498)
	Lubrication pressure	kgf/cm ² (psi)	3 (43)
Axle	Gear ratio	-	16.0
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	60 (853)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-100

R170W-9

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH/RH) -#0090	31Q5-50112/22	31Y1-34790
Boom cylinder (LH/RH) #0091-	31Q5-50113/23	31Y1-34790
CHANGZHOU #0359-	31Q5-50113C/23C	31Y1-34790
DY POWER #0359-	31Q5-50113E/23E	XKCD-05324
Adjust boom cyl (LH/RH, Adjust) #0003-	31Q5-50910/20	31Y1-38470
DY POWER #0359-	31Q5-52910E/20E	XKCD-05324
Arm cylinder	31Q5-50132	31Y1-34600
CHANGZHOU #0359-	31Q5-50132C	31Y1-34600
DY POWER #0359-	31Q5-50132E	XKCD-05311
Bucket cylinder -#0087/#0088-	31Q5-60111/2	31Y1-35030
CHANGZHOU #0359-	31Q5-60112C	31Y1-35030
DY POWER #0359-	31Q5-60112E	XKCD-05343
Dozer cylinder (LH) -#0025/#0026-/#0263-	31Q5-70110/1/2	XKCC-00097
Dozer cylinder (RH) -#0025/#0026-/#0263-	31Q5-70120/1/2	XKCC-00097
Outrigger cylinder (LH) -#0025/#0026-	31Q5-70210/1	XKCC-00589
Outrigger cylinder (RH) -#0025/#0026-	31Q5-70220/1	XKCC-00589
Adjust cylinder (Adjust) #0003-	31Q5-53100	31Y1-24090
Quick clamp cylinder -#0185	XKBP-00078	XKBP-00102
Quick clamp cylinder #0186-	XKBN-00464	-

※ The part numbers are only reference.

R170W-9

Filter

Description		Part No.	Service interval (hr)	
Engine oil		11N8-70110	500	
Fuel		11LG-70010	500	
Prefilter		-#0003 #0004-	11NA-72010 11NA-72011	500
Hydraulic	Return	-#0142 #0143-0262 #0263-0321 #0322-	31N4-01460 31N4-01461 31Q6-01281 31RF-10100	1000 1000 1000 1000
	Line	-#0089 #0090-	31Q6-20320 31Q6-20340	1000 1000
	Drain	-#0321 #0322-	31N8-01360 31K6-01320	1000 1000
	Air breather		31EE-02110	250
	Air cleaner	Inner	11N6-27030	As required
		Outer	11N6-27040	* ¹ 500 (clean)
	Air conditioner	Inner	11N6-90770	As required
Outer		11Q6-90510	* ¹ 250 (Clean)	

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		24 (6.3)	500
Fuel		260 (68.7)	-
Transmission		3.0 (0.79)	1000
Axle	Casing (FR)	10.5 (2.77)	1000
	Casing (RR)	15.1 (4.0)	1000
	Hub	2.5 × 2 (0.66 × 2)	1000
Hydraulic oil	Tank	160 (42.3)	* ¹ 2000
	System	270 (71.3)	-
Swing drive		5.0 (1.3)	1000
Engine coolant		19.5 (5.2)	2000

*¹ Conventional hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	61N6-31310GG	
Bucket side cutter (LH)	61E3-3033GG	
Bucket side cutter (RH)	61E3-3034GG	

※ The part numbers are only reference.

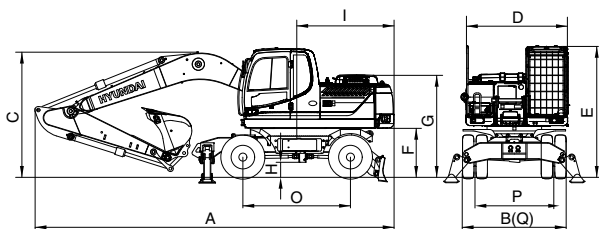
R170W-9S

Specification

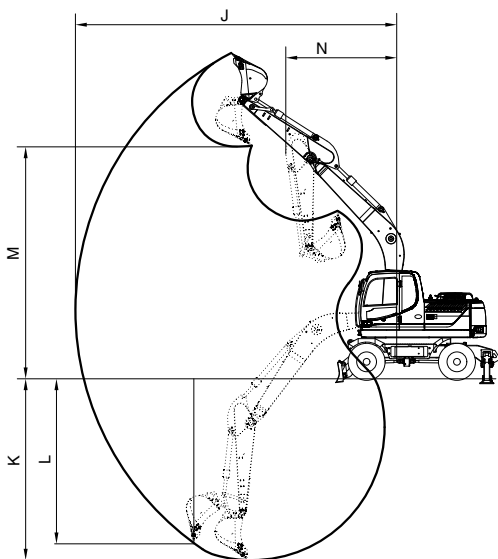
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	17.3 (38140)
	Bucket capacity	m ³ (yd ³)	0.76 (0.99)
	Overall length	A mm (ft-in)	8650 (28' 5")
	Overall width	B mm (ft-in)	2500 (8' 2")
	Overall height	C mm (ft-in)	3060 (10' 0")
	Superstructure width	D mm (ft-in)	2475 (8' 1")
	Overall height of cab	E mm (ft-in)	3190 (10' 6")
	Ground clearance of counterweight	F mm (ft-in)	1270 (4' 2")
	Engine cover height	G mm (ft-in)	2520 (8' 3")
	Minimum ground clearance	H mm (ft-in)	340 (1' 1")
	Rear-end swing radius	I mm (ft-in)	2480 (8' 2")
Engine	Model	-	Mitsubishi S6S-DT
	Rated horse power (Gross)	hp/rpm	126/2100
	Maximum torque (at 1500 rpm)	kgf-m (lbf-ft)	42.5 (307)
	Piston displacement	cc (cu in)	4996 (305)
Performance	Swing speed	rpm	11.0
	Travel speed (low/high)	km/h (mph)	8.4/30 (5.2/18.6)
	Gradeability	degree	35
	Max traction force	ton (lb)	11.0 (24250)
	Bucket digging force (SAE)	ton (lb)	11.0 (24250)
	Arm crowd force (SAE)	ton (lb)	8.89 (19600)
	Boom (raise/lower)	sec	3.0/3.2
	Arm (in-regen ON, OFF/out)	sec	3.3, 2.9/2.8
	Bucket (load/dump)	sec	2.1/3.8
Working range	Max digging reach	J mm (ft-in)	8690 (28' 6")
	Max digging depth	K mm (ft-in)	5420 (17' 9")
	Max vertical wall digging depth	L mm (ft-in)	4890 (16' 1")
	Max dumping height	M mm (ft-in)	6350 (20' 10")
	Min swing radius	N mm (ft-in)	3180 (10' 5")
Under-carrage	Wheel base	O mm (ft-in)	2600 (8' 6")
	Tread	P mm (ft-in)	1914 (6' 3")
	Dozer blade width	Q mm (ft-in)	2500 (8' 2")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 5.1 m boom, 2.2 m arm, 0.76 m³ bucket

Dimension



Working range



R170W-9S

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×80
	Rated oil flow	lpm (U.S. gpm)	2×168 (44.4)
	Rated speed	rpm	2100
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	31.5 (8.3)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	11
Swing motor	Capacity	cc/rev	117.8
	Relief pressure	kgf/cm ² (psi)	285 (4050)
	Brake release pressure	kgf/cm ² (psi)	33~50 (469~711)
Travel motor	Capacity	cc/rev	140
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
Axle	Gear ratio	-	22.11
	Brake type	-	Multi disc
Battery	Capacity	V-AH	24-100

R170W-9S

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH/RH) -#0067	31Q5-50112/22	31Y1-34790
Boom cylinder (LH/RH) #0068-	31Q5-50113/23	31Y1-34790
Adjust boom cyl (LH/RH, Adjust)	31Q5-50910/20	31Y1-38470
Arm cylinder	31Q5-50132	31Y1-34600
Bucket cylinder -#0051/#0052-	31Q5-60111/2	31Y1-35030
Dozer cylinder (LH/RH)	31Q5-70111/21	XKCC-00097
Outrigger cylinder (LH/RH)	31Q5-70211/21	XKCC-00589
Adjust cylinder (Adjust)	31Q5-53100	31Y1-24090
Quick clamp cylinder -#0441	XKBP-00078	XKBP-00102
Quick clamp cylinder #0442-	XKBN-00464	-

※ The part numbers are only reference.

R170W-9S

Filter

Description		Part No.	Service interval (hr)
Engine oil		XJAF-00718	250
Fuel		-	500
Prefilter		11LB-20310	500
Hydraulic	Return -#0242	31N4-01460	1000
	#0243-0791	31N4-01461	1000
	#0792-	31Q6-01281	1000
	Line	31Q6-20340	1000
	Drain	31N8-01360	1000
	Air breather	31EE-02110	1000
Air cleaner	Inner	11N6-27030	As required
	Outer	11N6-27040	* ¹ 500 (clean)
Air conditioner	Inner	11Q6-90510	As required
	Outer	11Q6-90240	* ¹ 250 (Clean)

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		16.5 (4.4)	250
Fuel		260 (68.7)	-
Transmission		3.0 (0.79)	1000
Axle	Casing (FR)	10.5 (2.77)	1000
	Casing (RR)	15.1 (4.0)	1000
	Hub	2.5 × 2 (0.66 × 2)	1000
Hydraulic oil	Tank	160 (42.3)	* ¹ 2000, * ² 5000
	System	270 (71.3)	-
Swing drive		5.0 (1.3)	1000
Engine coolant		17.5 (4.6)	2000

*¹ Conventional hydraulic oil *² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	61N6-31310GG	
Bucket side cutter (LH)	61E3-3033GG	
Bucket side cutter (RH)	61E3-3034GG	

※ The part numbers are only reference.

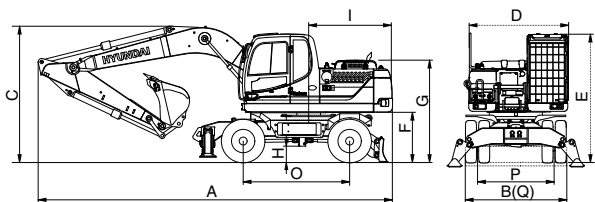
R180W-9A

Specification

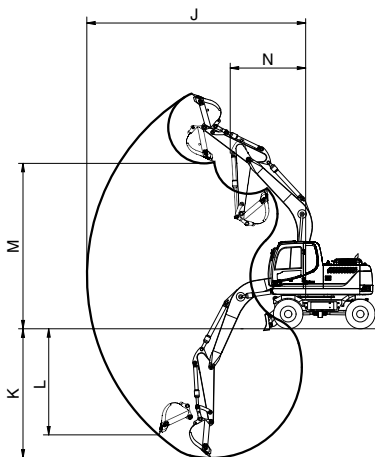
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	17.3 (38100)
	Bucket capacity	m ³ (yd ³)	0.76 (0.99)
	Overall length	A mm (ft-in)	8650 (28' 5")
	Overall width	B mm (ft-in)	2500 (8' 2")
	Overall height	C mm (ft-in)	3060 (10' 0")
	Superstructure width	D mm (ft-in)	2475 (8' 1")
	Overall height of cab	E mm (ft-in)	3190 (10' 6")
	Ground clearance of counterweight	F mm (ft-in)	1270 (4' 2")
	Engine cover height	G mm (ft-in)	2610 (8' 7")
	Minimum ground clearance	H mm (ft-in)	340 (1' 1")
	Rear-end swing radius	I mm (ft-in)	2480 (8' 2")
Engine	Model	-	Cummins QSB 6.7
	Rated horse power (Gross)	hp/rpm	165/2200
	Maximum torque (at 1500 rpm)	kgf-m (lbf-ft)	74.7 (540)
	Piston displacement	cc (cu in)	6700 (409)
Performance	Swing speed	rpm	9.1
	Travel speed (low/high)	km/h (mph)	9.5/35 (5.9/21.7)
	Gradeability	degree	30
	Max traction force	ton (lb)	11.0 (24250)
	Bucket digging force (SAE)	ton (lb)	11.0 (24250)
	Arm crowd force (SAE)	ton (lb)	7.88 (17370)
	Boom (raise/lower)	sec	3.6/2.8
	Arm (in-regen ON, OFF/out)	sec	2.9, 3.5/2.8
	Bucket (load/dump)	sec	4.3/2.8
Working range	Max digging reach	J mm (ft-in)	9200 (30' 3")
	Max digging depth	K mm (ft-in)	5900 (19' 5")
	Max vertical wall digging depth	L mm (ft-in)	5310 (17' 6")
	Max dumping height	M mm (ft-in)	6660 (21' 10")
	Min swing radius	N mm (ft-in)	3230 (10' 8")
Under-carrage	Wheel base	O mm (ft-in)	2600 (8' 6")
	Tread	P mm (ft-in)	1914 (6' 3")
	Dozer blade width	Q mm (ft-in)	2500 (8' 2")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 5.2 m boom, 2.6 m arm, 0.76 m³ bucket

Dimension



Working range



R180W-9A

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×80
	Rated oil flow	lpm (U.S. gpm)	2×172 (45.4)
	Rated speed	rpm	2150
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	32.3 (8.5)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	11
Swing motor	Capacity	cc/rev	117.8
	Relief pressure	kgf/cm ² (psi)	285 (4050)
	Brake release pressure	kgf/cm ² (psi)	33~50 (469~711)
Travel motor	Capacity	cc/rev	140
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~32 (427~455)
Axle	Gear ratio	-	16.0
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	80 (1140)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-100

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH/RH)	31Q5-50113/23	31Y1-34790
Adjust boom cyl (LH/RH, Adjust)	31Q5-50910/20	31Y1-38470
Arm cylinder	31Q5-50132	31Y1-34600
Bucket cylinder	31Q5-60112	31Y1-35030
Dozer cylinder (LH) -#0015/#0016-	31Q5-70111/2	XKCC-00097
Dozer cylinder (RH) -#0015/#0016-	31Q5-70121/2	XKCC-00097
Outrigger cylinder (LH)	31Q5-70211	XKCC-00589
Outrigger cylinder (RH)	31Q5-70221	XKCC-00589
Adjust cylinder (Adjust)	31Q5-53100	31Y1-24090

※ The part numbers are only reference.

R180W-9A

Filter

Description		Part No.	Service interval (hr)
Engine oil		11N8-70110	500
Fuel	-#0003	11Q7-70010	500
	#0004-	11Q7-71010	500
Prefilter	-#0018	11NA-71041	500
	#0019-	11QA-71040	500
Hydraulic	Return -#0015	31N4-01461	1000
	#0016-0103	31Q6-01281	1000
	#0104-	31RF-10100	1000
	Line	31Q6-20340	1000
	Drain -#0103	31N8-01360	1000
	#0104-	31K6-01320	1000
	Air breather	31EE-02110	1000
Air cleaner	Inner	11LL-45190	4000
	Outer	11Q6-10180	* ¹ 1000 (clean)
Air conditioner	Inner	11N6-90770	As required
	Outer	11Q6-90510	* ¹ 250 (Clean)

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		23.7 (6.3)	500
Fuel		260 (68.7)	-
Transmission		3.0 (0.79)	1000
Axle	Casing (FR)	10.5 (2.8)	1500
	Casing (RR)	12.5 (3.3)	1500
	Hub	2.5 × 2 (0.7 × 2)	1500
Hydraulic oil	Tank	160 (42.3)	* ¹ 2000 * ² 5000
	System	270 (71.3)	-
Swing drive		5.0 (1.3)	1000
Engine coolant		19.5 (5.2)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth point	61N6-31310GG	
Bucket side cutter (LH)	61E3-3033GG	
Bucket side cutter (RH)	61E3-3034GG	

※ The part numbers are only reference.

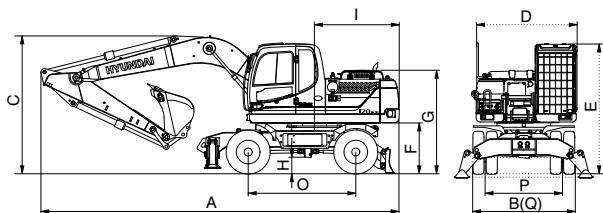
R180W-9S

Specification

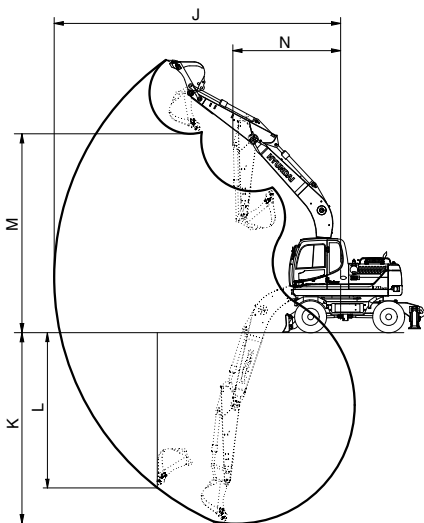
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	18.4 (40610)
	Bucket capacity	m ³ (yd ³)	0.76 (0.99)
	Overall length	A mm (ft-in)	8650 (28' 5")
	Overall width	B mm (ft-in)	2500 (8' 2")
	Overall height	C mm (ft-in)	3060 (10' 0")
	Superstructure width	D mm (ft-in)	2475 (8' 1")
	Overall height of cab	E mm (ft-in)	3190 (10' 6")
	Ground clearance of counterweight	F mm (ft-in)	1270 (4' 2")
	Engine cover height	G mm (ft-in)	2520 (8' 3")
	Minimum ground clearance	H mm (ft-in)	340 (1' 1")
	Rear-end swing radius	I mm (ft-in)	2480 (8' 2")
Engine	Model	-	Mistubishi S6S-DT
	Rated horse power (Gross)	hp/rpm	128/2100
	Maximum torque (at 1500 rpm)	kgf-m (lbf-ft)	42.5 (307)
	Piston displacement	cc (cu in)	4996 (305)
Performance	Swing speed	rpm	11.0
	Travel speed (low/high)	km/h (mph)	8/29 (5.0/18.0)
	Gradeability	degree	30
	Max traction force	ton (lb)	11.0 (24250)
	Bucket digging force (SAE)	ton (lb)	11.0 (24250)
	Arm crowd force (SAE)	ton (lb)	8.89 (19600)
	Boom (raise/lower)	sec	3.2/3.0
	Arm (in-regen ON, OFF/out)	sec	3.3, 2.9/2.8
	Bucket (load/dump)	sec	3.8/2.1
Working range	Max digging reach	J mm (ft-in)	8690 (28' 6")
	Max digging depth	K mm (ft-in)	5420 (17' 9")
	Max vertical wall digging depth	L mm (ft-in)	4890 (16' 1")
	Max dumping height	M mm (ft-in)	6350 (20' 10")
	Min swing radius	N mm (ft-in)	3180 (10' 5")
Under-carrage	Wheel base	O mm (ft-in)	2600 (8' 6")
	Tread	P mm (ft-in)	1914 (6' 3")
	Dozer blade width	Q mm (ft-in)	2500 (8' 2")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 5.1 m boom, 2.2 m arm, 0.76 m³ bucket

Dimension



Working range



R180W-9S

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×80
	Rated oil flow	lpm (U.S. gpm)	2×168 (44.4)
	Rated speed	rpm	2100
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	31.5 (8.3)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	11
Swing motor	Capacity	cc/rev	117.8
	Relief pressure	kgf/cm ² (psi)	285 (4050)
	Brake release pressure	kgf/cm ² (psi)	33~50 (469~711)
Travel motor	Capacity	cc/rev	140
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~35 (426~498)
	Lubrication pressure	kgf/cm ² (psi)	3 (43)
Axle	Gear ratio	-	22.11
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	60 (853)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-100

R180W-9S

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH/RH) -#0067	31Q5-50112/22	31Y1-34790
Boom cylinder (LH/RH) #0068-	31Q5-50113/23	31Y1-34790
CHANGZHOU #1273-	31Q5-50113C/23C	31Y1-34790
DY POWER #1273-	31Q5-50113E/23E	XKCD-05324
Adjust boom cyl (LH/RH, Adjust)	31Q5-50910/20	31Y1-38470
CHANGZHOU #1273-	31Q5-50910C/20C	31Y1-38470
DY POWER #1273-	31Q5-50910E/20E	XKCD-05324
Arm cylinder	31Q5-50132	31Y1-34600
CHANGZHOU #1273-	31Q5-50132C	31Y1-34600
DY POWER #1273-	31Q5-50132E	XKCD-05311
Bucket cylinder -#0051/#0052-	31Q5-60111/2	31Y1-35030
CHANGZHOU #1273-	31Q5-60112C	31Y1-35030
DY POWER #1273-	31Q5-60112E	XKCD-05343
Dozer cylinder (LH) -#0800/#0801-	31Q5-70111/2	XKCC-00097
Dozer cylinder (RH) -#0800/#0801-	31Q5-70121/2	XKCC-00097
Outrigger cylinder (LH/RH)	31Q5-70211/21	XKCC-00589
Adjust cylinder (Adjust)	31Q5-53100	31Y1-24090
CHANGZHOU #1273-	31Q5-53100C	31Y1-24090
DY POWER #1273-	31Q5-53100E	XKCD-05324

※ The part numbers are only reference.

R180W-9S

Filter

Description		Part No.	Service interval (hr)
Engine oil		XJAF-00718	250
Fuel		34362-00101	500
Prefilter		11LB-20310	500
Hydraulic	Return -#0242	31N4-01460	1000
	#0243-0791	31N4-01461	1000
	#0792-1130	31Q6-01281	1000
	#1131-	31RF-10100	
	Line	31Q6-20340	1000
	Drain -#1130	31N8-01360	1000
	#1131-	31K6-01320	
	Air breather	31EE-02110	1000
Air cleaner	Inner	11N6-27030	As required * ¹ 500 (clean)
	Outer	11N6-27040	
Air conditioner	Inner	11N6-90770	As required * ¹ 250 (Clean)
	Outer	11Q6-90510	

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		16.5 (4.4)	250
Fuel		260 (68.7)	-
Transmission		3.0 (0.79)	1000
Axle	Casing (FR)	10.5 (2.77)	1500
	Casing (RR)	15.1 (4.0)	1500
	Hub	2.5 × 2 (0.66 × 2)	1500
Hydraulic oil	Tank	160 (42.3)	* ¹ 2000 * ² 5000
	System	270 (71.3)	
Swing drive		5.0 (1.32)	1000
Engine coolant		17.5 (4.6)	2000

*¹ Conventional hydraulic oil *² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	61N6-31310GG	
Bucket side cutter (LH)	61E3-3033GG	
Bucket side cutter (RH)	61E3-3034GG	

※ The part numbers are only reference.

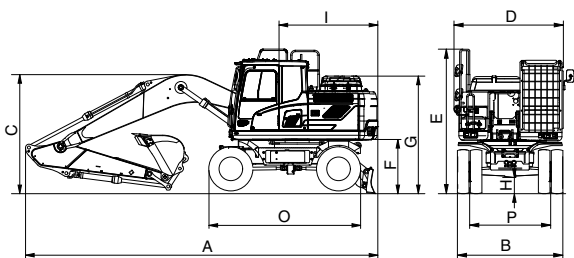
HW180

Specification

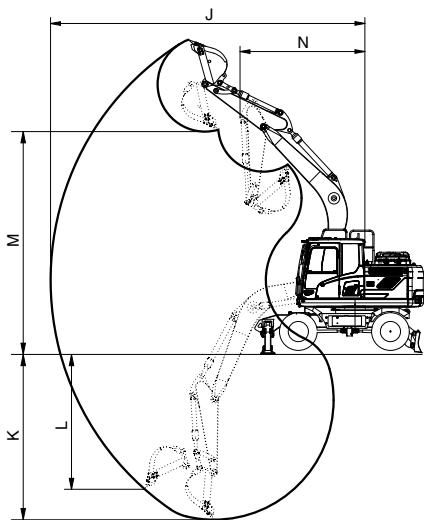
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	17.8 (39240)
	Bucket capacity	m ³ (yd ³)	0.76 (0.99)
	Overall length (travel/shipping) A	mm (ft-in)	8760 (28' 9")/8710 (28' 7")
	Overall width B	mm (ft-in)	2500 (8' 2")
	Overall height (travel/shipping) C	mm (ft-in)	3540 (11' 7")/3180 (10' 5")
	Superstructure width D	mm (ft-in)	2475 (8' 1")
	Overall height of cab E	mm (ft-in)	3190 (10' 6")
	Ground clearance of counterweight F	mm (ft-in)	1270 (4' 2")
	Engine cover height G	mm (ft-in)	2800 (9' 2")
	Minimum ground clearance H	mm (ft-in)	340 (1' 1")
	Rear-end swing radius I	mm (ft-in)	2430 (8' 0")
Engine	Model	-	Cummins QSB 6.7
	Rated horse power (Gross)	hp/rpm	180/1800
	Maximum torque (at 1500 rpm)	kgf-m (lbf-ft)	85.7 (620)
	Piston displacement	cc (cu in)	6700 (409)
Performance	Swing speed	rpm	9.3
	Travel speed (low/high)	km/h (mph)	9.5 (5.9)/35 (21.7)
	Gradeability	degree	35 (70)
	Max traction force	ton (lb)	10320 (22750)
	Bucket digging force (SAE)	ton (lb)	11.0 (24250)
	Arm crowd force (SAE)	ton (lb)	7.88 (17370)
	Boom (raise/lower)	sec	4.0/2.4
	Arm (in-regen ON, OFF/out)	sec	2.7, 3.0/3.2
	Bucket (load/dump)	sec	4.1/2.9
Working range	Max digging reach J	mm (ft-in)	9200 (30' 3")
	Max digging depth K	mm (ft-in)	5900 (19' 5")
	Max vertical wall digging depth L	mm (ft-in)	5310 (17' 6")
	Max dumping height M	mm (ft-in)	6660 (21' 10")
	Min swing radius N	mm (ft-in)	3230 (10' 8")
Under-cage	Wheel base O	mm (ft-in)	2600 (8' 6")
	Tread P	mm (ft-in)	1914 (6' 3")
	Dozer blade width Q	mm (ft-in)	2500 (8' 2")
Tire	Size	-	10.00-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 5.2 m boom, 2.6 m arm, 0.76 m³ bucket

Dimension



Working range



HW180

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×80
	Rated oil flow	lpm (U.S. gpm)	2×176 (46.5)
	Rated speed	rpm	2200
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	33.0 (8.7)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	11
Swing motor (Type 1)	Capacity	cc/rev	117.8
	Relief pressure	kgf/cm ² (psi)	285 (4054)
	Brake release pressure	kgf/cm ² (psi)	33~50 (469~711)
Swing motor (Type 2)	Capacity	cc/rev	142.8
	Relief pressure	kgf/cm ² (psi)	285 (4054)
	Brake release pressure	kgf/cm ² (psi)	22.3~36.6 (317~521)
Travel motor	Capacity (min/max)	cc/rev	140
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~32 (427~455)
	Lubrication pressure	kgf/cm ² (psi)	-
Axle	Gear ratio	-	16.0
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	61.2 (870)
	Steering pressure	kgf/cm ² (psi)	204 (2900)
Battery	Capacity	V-AH	24-100

HW180

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH)	31K5-50110	31Y1-34790
CHANGZHOU #0053-	31K5-50110C	31Y1-34790
DY POWER #0053-	31K5-50110E	31Y1-34790
Boom cylinder (RH)	31K5-50120	31Y1-34790
CHANGZHOU #0053-	31K5-50120C	31Y1-34790
DY POWER #0053-	31K5-50120E	31Y1-34790
Adjust boom cyl (LH/RH)	31K5-50910/20	31Y1-38470
CHANGZHOU #0053-	31K5-50910C/20C	31Y1-38470
DY POWER #0053-	31Q5-50910E/20E	XKCD-05324
Arm cylinder	31Q5-50132GG	31Y1-34600
DY POWER #0053-	31Q5-50132E	XKCD-05311
Bucket cylinder	31Q5-60112GG	31Y1-35030
CHANGZHOU #0053-	31Q5-60112CGG	31Y1-35030
DY POWER #0053-	31Q5-60112EGG	HK01410
Dozer cylinder (LH/RH)	31Q5-70112/22	XKCC-00097
Outrigger cylinder (LH/RH)	31Q5-70211/21	XKCC-00589
Aujust cylinder	31K5-52940	31Y1-24090
CHANGZHOU #0053-	31K5-52940C	31Y1-24090
DY POWER #0053-	31Q5-53100E	XKCD-05324

※ The part numbers are only reference.

HW180

Filter

Description		Part No.	Service interval (hr)
Engine oil		11N8-70110	500
Fuel		5303743	500
Prefilter		11KA-71040	500
Hydraulic	Return	31RF-10100	1000
	Line	31Q6-20340	1000
	Drain	31K6-01320	1000
	Air breather	32QA-00140	1000
Air cleaner	Inner	11N6-27030	2000
	Outer	11N6-27040	* ¹ 500 (clean)
Air conditioner	Inner	11K6-90780	500
	Outer	71LM-00290	500

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		23.7 (6.3)	500
Fuel		290 (76.6)	-
DEF/AdBlue® Tank		27.0 (7.1)	-
Transmission		2.5 (0.7)	1000
Axle	Casing (FR)	10.5 (2.8)	1500
	Casing (RR)	12.5 (3.3)	1500
	Hub	2.5×2 (0.7×2)	1500
Axle-wide	Casing (FR)	11.6 (3.06)	1500
	Casing (RR)	14.0 (3.70)	1500
	Hub	2.5×2 (0.7×2)	1500
Hydraulic oil	Tank	125 (33.0)	* ¹ 2000 * ² 5000
	System	270 (71.3)	-
Swing drive (Type 1/2)		5.0 (1.32)/6.2 (1.64)	1000
Engine coolant		19.5 (5.2)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth point	61N6-31310GG	
Bucket side cutter (LH)	61E3-3033GG	
Bucket side cutter (RH)	61E3-3034GG	

※ The part numbers are only reference.

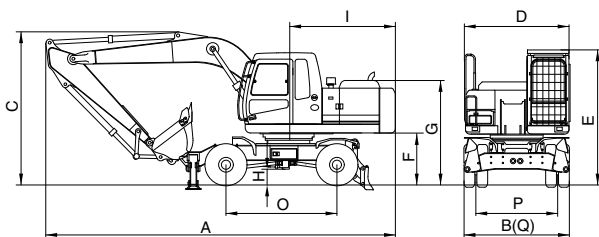
R200W-7

Specification

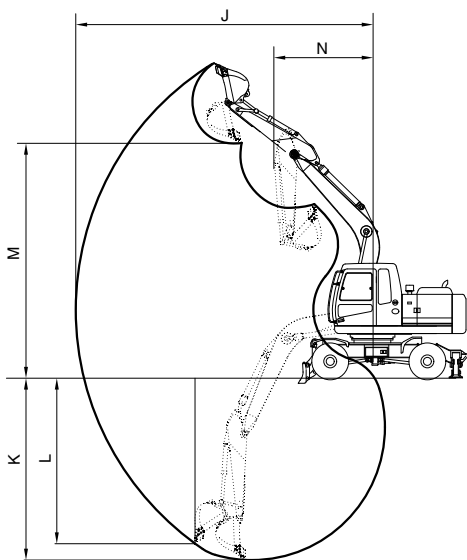
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	20.5 (45200)
	Bucket capacity	m ³ (yd ³)	0.80 (1.05)
	Overall length	A mm (ft-in)	9490 (31' 2")
	Overall width	B mm (ft-in)	2490 (8' 2")
	Overall height	C mm (ft-in)	3100 (10' 2")
	Superstructure width	D mm (ft-in)	2530 (8' 4")
	Overall height of cab	E mm (ft-in)	3180 (10' 5")
	Ground clearance of counterweight	F mm (ft-in)	1310 (4' 3")
	Engine cover height	G mm (ft-in)	2570 (8' 5")
	Minimum ground clearance	H mm (ft-in)	345 (1' 2")
	Rear-end swing radius	I mm (ft-in)	2800 (9' 2")
Engine	Model	-	Cummins B5.9-C
	Rated horse power (Gross)	hp/rpm	166/1950
	Maximum torque (at 1500 rpm)	kgf-m (lbf-ft)	68.4 (495)
	Piston displacement	cc (cu in)	5880 (359)
Performance	Swing speed	rpm	12.5
	Travel speed (low/high)	km/h (mph)	8.3/33 (5.2/20.5)
	Gradeability	degree	31.5
	Max traction force	ton (lb)	10.8 (23800)
	Bucket digging force (SAE)	ton (lb)	13.6 (29980)
	Arm crowd force (SAE)	ton (lb)	9.9 (21830)
	Boom (raise/lower)	sec	3.8/2.2
	Arm (in/out)	sec	3.0/3.0
	Bucket (load/dump)	sec	4.4/2.6
Working range	Max digging reach	J mm (ft-in)	9900 (32' 6")
	Max digging depth	K mm (ft-in)	6380 (20' 11")
	Max vertical wall digging depth	L mm (ft-in)	5810 (19' 1")
	Max dumping height	M mm (ft-in)	7050 (23' 2")
	Min swing radius	N mm (ft-in)	3540 (11' 7")
Under-carriage	Wheel base	O mm (ft-in)	2800 (9' 2")
	Tread	P mm (ft-in)	1874 (6' 2")
	Dozer blade width	Q mm (ft-in)	2490 (8' 2")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	6.75 (96)

※ STD : 5.65 m boom, 2.90 m arm, 0.80 m³ bucket

Dimension



Working range



R200W-7

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×113
	Rated oil flow	lpm (U.S. gpm)	2×220 (58.1)
	Rated speed	rpm	1950
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	29.3 (7.7)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	330 (4690)
	Port relief pressure	kgf/cm ² (psi)	390 (5550)
	Spools	ea	9
Swing motor	Capacity	cc/rev	151
	Relief pressure	kgf/cm ² (psi)	240 (3410)
	Brake release pressure	kgf/cm ² (psi)	33~50 (470~711)
Travel motor	Capacity (min/max)	cc/rev	65/160
	Relief pressure	kgf/cm ² (psi)	360 (5120)
Transmission	Gear ratio (1st/2nd)	-	5.35/1.39
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~35 (426~498)
	Lubrication pressure	kgf/cm ² (psi)	3 (43)
Axle	Gear ratio	-	13.55
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	60 (853)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-100

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH/RH) -#0614	31N6-53120/10	31Y1-18061
Boom cylinder (LH/RH) #0615-	31N6-53125/15	31Y1-15885
Arm cylinder -#0614/-#1070	31N6-50130/5	31Y1-15230/5
-#1723/#1724-2788/#2789-	31N6-50137/8/9	31Y1-15235/6/7
Arm cyl (Adjust) -#0614/-#1723	31N6-53210/5	31Y1-15230/5
#1724-	31N6-53216	31Y1-35212
Bucket cylinder -#0614/-#2462/#2463-	31N6-60110/5/6	31Y1-15700/5/6
Dozer cylinder (LH) -#1300/#1301-	31N6-70011/BG	31Y1-14360
Dozer cylinder (RH) -#1300/#1301-	31N6-70021/BG	31Y1-14360
Outrigger cyl (LH) -#0009/-#1300/#1301-	31N6-70031/2/2BG	31Y1-14270
Outrigger cyl (RH) -#0009/-#1300/#1301-	31N6-70041/2/2BG	31Y1-14270
Adjust cylinder #0136-	31N6-54131	31Y1-16180

※ The part numbers are only reference.

R200W-7

Filter

Description		Part No.	Service interval (hr)
Engine oil		11E1-70140	250
Fuel	#0194-	11E1-70010 *11E1-70210	500
Prefilter	#0426- #2489-	11LB-20310 *11LB-20310	500
Hydraulic	Return	E131-0212	250
	Line	31E3-0018	250
	Drain	31E9-0126	250
	Air breather	31EE-02110	-#1260 1000
		31EH-00480	#1261- 1000
Air cleaner	Inner -#0882	11EM-21051	As required
	#0883-	11N6-24530	As required
	Outer -#0882	11EM-21041	*1500 (clean)
	#0883-	11N6-24520	*1500 (clean)
Air conditioner	Inner	11N6-90770	As required
	Outer	11N6-90760	*1250 (clean)

*1 Replace the filter after 4 times cleanings.

*2 Fuel & water separator *3 W/O fuel warmer

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		14.2 (3.8)	250
Fuel		310 (82)	-
Transmission		3.2 (0.85)	1000
Axle	Casing (FR)	12×2 (3.2×2)	1000
	Casing (RR)	12×2 (3.2×2)	1000
	Hub	2×4 (0.5×4)	1000
Hydraulic oil	Tank	180 (47.6)	*12000 *25000
	System	270 (71.3)	-
Swing drive		5.0 (1.3)	1000
Engine coolant		35 (9.2)	2000

*1 Conventional hydraulic oil *2 Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	E161-3027	-#0291
	61N6-31310/BG	#0292-1300/-#1975
	61Q6-31310	#1976-
Bucket side cutter (LH)	63E1-3533/BG	-#1300/#1301-
Bucket side cutter (RH)	63E1-3534/BG	-#1300/#1301-

※ The part numbers are only reference.

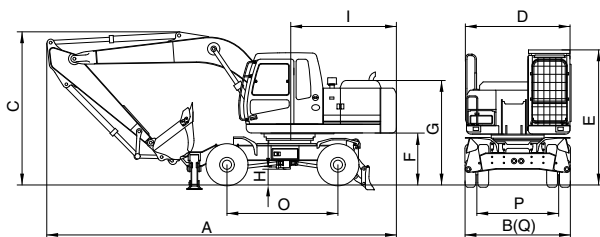
R200W-7A

Specification

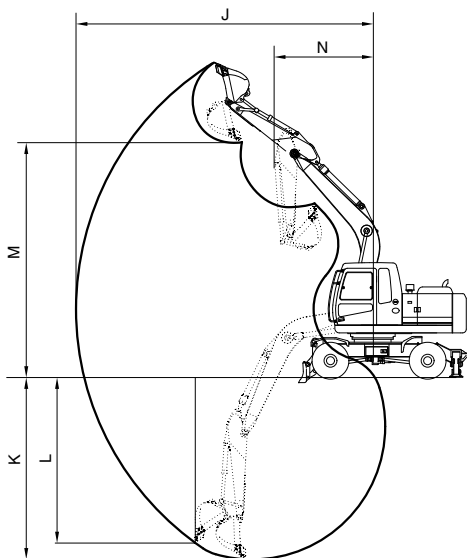
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	20.5 (45200)
	Bucket capacity	m ³ (yd ³)	0.80 (1.05)
	Overall length	A mm (ft-in)	9490 (31' 2")
	Overall width	B mm (ft-in)	2490 (8' 2")
	Overall height	C mm (ft-in)	3100 (10' 2")
	Superstructure width	D mm (ft-in)	2530 (8' 4")
	Overall height of cab	E mm (ft-in)	3180 (10' 5")
	Ground clearance of counterweight	F mm (ft-in)	1310 (4' 3")
	Engine cover height	G mm (ft-in)	2570 (8' 5")
	Minimum ground clearance	H mm (ft-in)	345 (1' 2")
	Rear-end swing radius	I mm (ft-in)	2800 (9' 2")
Engine	Model	-	Cummins QSB6.7
	Rated horse power (Gross)	hp/rpm	164/1900
	Maximum torque (at 1400 rpm)	kgf-m (lbf-ft)	66.9 (484)
	Piston displacement	cc (cu in)	6700 (409)
Performance	Swing speed	rpm	11.0
	Travel speed (low/high)	km/h (mph)	8.3/33 (5.2/20.5)
	Gradeability	degree	31.5
	Max traction force	ton (lb)	10.8 (23800)
	Bucket digging force (SAE)	ton (lb)	13.6 (29980)
	Arm crowd force (SAE)	ton (lb)	9.9 (21830)
	Boom (raise/lower)	sec	4.0/3.2
	Arm (in/out)	sec	3.7/2.8
	Bucket (load/dump)	sec	4.3/2.7
Working range	Max digging reach	J mm (ft-in)	9900 (32' 6")
	Max digging depth	K mm (ft-in)	6380 (20' 11")
	Max vertical wall digging depth	L mm (ft-in)	5810 (19' 1")
	Max dumping height	M mm (ft-in)	7050 (23' 2")
	Min swing radius	N mm (ft-in)	3540 (11' 7")
Under-carrage	Wheel base	O mm (ft-in)	2800 (9' 2")
	Tread	P mm (ft-in)	1874 (6' 2")
	Dozer blade width	Q mm (ft-in)	2490 (8' 2")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	6.75 (96)

※ STD : 5.65 m boom, 2.90 m arm, 0.80 m³ bucket

Dimension



Working range



R200W-7A

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×117
	Rated oil flow	lpm (U.S. gpm)	2×222 (58.6)
	Rated speed	rpm	1900
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	28.5 (7.5)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	330 (4690)
	Port relief pressure	kgf/cm ² (psi)	390 (5550)
	Spools	ea	11
Swing motor	Capacity	cc/rev	151
	Relief pressure	kgf/cm ² (psi)	240 (3410)
	Brake release pressure	kgf/cm ² (psi)	33~50 (470~711)
Travel motor	Capacity (min/max)	cc/rev	65/160
	Relief pressure	kgf/cm ² (psi)	360 (5120)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~35 (426~498)
	Lubrication pressure	kgf/cm ² (psi)	3 (43)
Axle	Gear ratio	-	16.0
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	60 (853)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-100

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH/RH)	31N6-53125/15	31Y1-15885
Arm cylinder #0150/#2256	31N6-50137/8	31Y1-15236
	#2257- 31N6-50139	31Y1-15237
Arm cyl (Adjust) #0150	31N6-53215	31Y1-15235
	#0151- 31N6-53216	31Y1-35212
Bucket cylinder #2236/#2237- Adjust cylinder	31N6-60115/6	31Y1-15705/6
	31N6-54131	31Y1-16180
Dozer cylinder (LH/RH)	31N6-70011BG/21BG	31Y1-14360
Outrigger cylinder (LH/RH)	31N6-70032BG/42BG	31Y1-14270

※ The part numbers are only reference.

R200W-7A

Filter

Description		Part No.	Service interval (hr)
Engine oil		11N8-70110	500
Fuel		11LC-70010	500
Prefilter		11NA-71041	500
Hydraulic	Return -#2256	31N4-01460	1000
	#2257-	31N4-01461	1000
	Line	31MH-20320	1000
	Drain	31N8-01360	1000
	Air breather	31EE-02110	-#0033 1000
		31EH-00480	#0034- 1000
Air cleaner	Inner	11N6-24530	As required
	Outer	11N6-24520	* ¹ 500 (clean)
Air conditioner	Inner	11N6-90770	As required
	Outer	11N6-90760	* ¹ 250 (Clean)

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		24 (6.3)	500
Fuel		320 (84.5)	-
Transmission		3.0 (0.8)	1000
Axle	Casing (FR)	9.6 (2.5)	1000
	Casing (RR)	13.1 (3.5)	1000
	Hub	2.5 × 2 (0.7 × 2)	1000
Hydraulic oil	Tank	180 (48)	* ¹ 2000 * ² 5000
	System	290 (77)	-
Swing drive		5.0 (1.3)	1000
Engine coolant		35 (9.2)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	61N6-31310BG	-#2193
	61Q6-31310	#2194-
Bucket side cutter (LH)	61E3-3033BG	
Bucket side cutter (RH)	61E3-3034BG	

※ The part numbers are only reference.

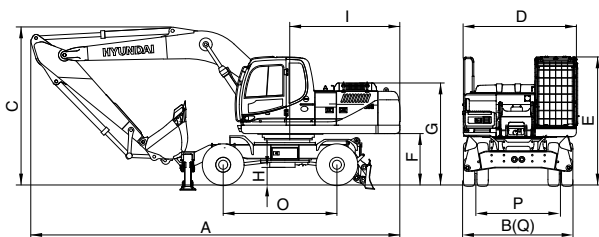
R210W-9

Specification

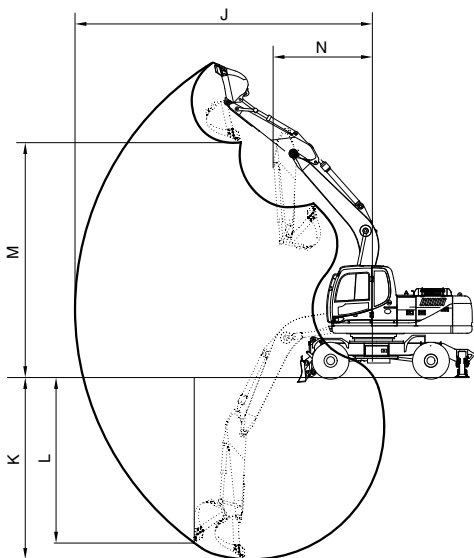
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	20.5 (45190)
	Bucket capacity	m ³ (yd ³)	0.80 (1.05)
	Overall length	A mm (ft-in)	9500 (31' 2")
	Overall width	B mm (ft-in)	2530 (8' 4")
	Overall height	C mm (ft-in)	3150 (10' 4")
	Superstructure width	D mm (ft-in)	2530 (8' 4")
	Overall height of cab	E mm (ft-in)	3240 (10' 8")
	Ground clearance of counterweight	F mm (ft-in)	1295 (4' 3")
	Engine cover height	G mm (ft-in)	2565 (8' 5")
	Minimum ground clearance	H mm (ft-in)	345 (1' 2")
	Rear-end swing radius	I mm (ft-in)	2800 (9' 2")
Engine	Model	-	Cummins QSB6.7
	Rated horse power (Gross)	hp/rpm	176/1900
	Maximum torque (at 1400 rpm)	kgf-m (lbf-ft)	81.4 (589)
	Piston displacement	cc (cu in)	6700 (409)
Performance	Swing speed	rpm	10.3
	Travel speed (low/high)	km/h (mph)	9.3/35 (5.8/21.7)
	Gradeability	degree	31.5
	Max traction force	ton (lb)	11.9 (26240)
	Bucket digging force (SAE)	ton (lb)	13.6 (29980)
	Arm crowd force (SAE)	ton (lb)	10.4 (22930)
	Boom (raise/lower)	sec	3.3/2.8
	Arm (in-regen ON,OFF/out)	sec	3.3, 3.8/2.7
	Bucket (load/dump)	sec	2.6/2.3
Working range	Max digging reach	J mm (ft-in)	9110 (29' 11")
	Max digging depth	K mm (ft-in)	5480 (17' 12")
	Max vertical wall digging depth	L mm (ft-in)	4970 (16' 4")
	Max dumping height	M mm (ft-in)	9500 (31' 2")
	Min swing radius	N mm (ft-in)	3700 (12' 2")
Under-carrage	Wheel base	O mm (ft-in)	2800 (9' 2")
	Tread	P mm (ft-in)	1874 (6' 2")
	Dozer blade width	Q mm (ft-in)	2490 (8' 2")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 5.65 m boom, 2.92 m arm, 0.80 m³ bucket

Dimension



Working range



R210W-9

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×117
	Rated oil flow	lpm (U.S. gpm)	2×228 (60.2)
	Rated speed	rpm	1900
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	29.3 (7.7)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	9
Swing motor (Type 1)	Capacity	cc/rev	151
	Relief pressure	kgf/cm ² (psi)	265 (3770)
	Brake release pressure	kgf/cm ² (psi)	33~50 (470~711)
Swing motor (Type 2,3)	Capacity	cc/rev	142.8
	Relief pressure	kgf/cm ² (psi)	265 (3770)
	Brake release pressure	kgf/cm ² (psi)	Under 50 (under 711)
Travel motor	Capacity (min/max)	cc/rev	61/160
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~35 (426-498)
	Lubrication pressure	kgf/cm ² (psi)	3 (43)
Axle	Gear ratio	-	16.0
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	60 (853)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-100

※ Motor type : See parts manual.

R210W-9

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH/RH)	31Q6-53110/20	31Y1-28960
Boom cyl (Adjust, LH/RH) #0207-	31Q6-53410/20	31Y1-28960
SHPAC #0448-	31Q6-53410E/20E	XKCC-01984
Arm cylinder (2.92M, STD)	31Q6-50131	31Y1-28790
SHPAC #0448-	31Q6-50131E	XKCC-02020
Bucket cylinder -#0241/#0242-	31Q6-60110/1	31Y1-29101
SHPAC #0448-	31Q6-60111E	31Y1-30290
Dozer cylinder (LH) -#0144	31Q6-70010	XKCC-00596
#0145-0399	31Q6-70011	XKCC-00596
#0400-0452	31Q6-70012	XKCC-00596
#0453-	31Q6-70013	XKCC-03173
Dozer cylinder (RH) -#0144	31Q6-70020	XKCC-00596
#0145-0399	31Q6-70021	XKCC-00596
#0400-0452	31Q6-70022	XKCC-00596
#0453-	31Q6-70023	XKCC-03173
Outrigger cylinder (LH) -#0144	31Q6-70030	XKCC-00099
#0145-0452	31Q6-70031	XKCC-00099
#0453-	31Q6-70032	XKCC-03180
Outrigger cylinder (RH) -#0144	31Q6-70040	XKCC-00099
#0145-0452	31Q6-70041	XKCC-00099
#0453-	31Q6-70042	XKCC-03180
Adjust cylinder #0207-	31Q6-54430	XKCD-03019

※ The part numbers are only reference.

R210W-9

Filter

Description		Part No.	Service interval (hr)		
Engine oil		11N8-70110	500		
Fuel		11LG-70010	500		
Prefilter		-#0041 #0042-	11NA-72010 11NA-72011	500	
Hydraulic	Return	-#0308 #0309-0424 #0425-0432 #0433-	31N4-01460 31N4-01461 31Q6-01281 31RF-10100	1000 1000 1000 1000	
	Line	-#0184 #0185-	31Q6-20320 31Q6-20340	1000 1000	
	Drain	-#0421 #0422-	31N8-01360 31K6-01320	1000 1000	
	Air breather		31EE-02110	1000	
	Air cleaner	Inner		11N6-27030	As required * ¹ 500 (clean)
		Outer		11N6-27040	
	Air conditioner	Inner		11N6-90770	As required * ¹ 250 (Clean)
Outer			11Q6-90510		

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		24 (6.3)	500
Fuel		310 (81.9)	-
Transmission		2.5 (0.66)	1000
Axle	Casing (FR)	9.6 (2.5)	1000
	Casing (RR)	13.1 (3.5)	1000
	Hub	2.5 × 2 (0.7 × 2)	1000
Hydraulic oil	Tank	165 (43.6)	* ¹ 2000 * ² 5000 -
	System	340 (89.8)	
Swing drive		5.0 (1.3)	1000
Engine coolant		35 (9.2)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	61Q6-31310GG	
Bucket side cutter (LH)	63E1-3533GG	
Bucket side cutter (RH)	63E1-3534GG	

※ The part numbers are only reference.

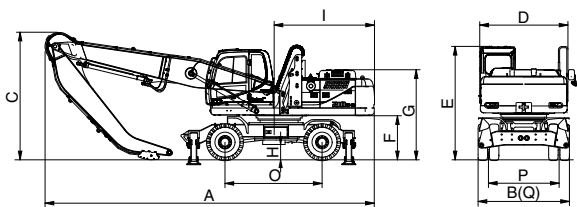
R210W-9 MH

Specification

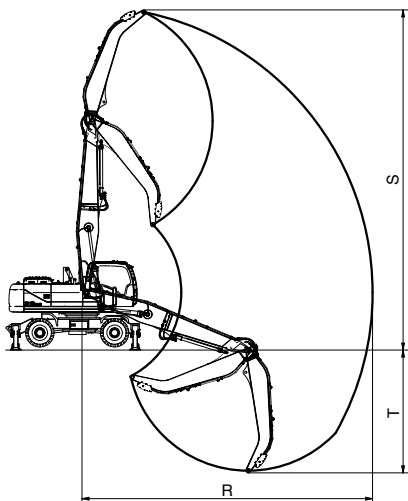
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	25.7 (56660)
	Grapple capacity	m ³ (yd ³)	0.7 (0.92)
	Overall length	A mm (ft-in)	9600 (31' 6")
	Overall width	B mm (ft-in)	2530 (8' 4")
	Overall height	C mm (ft-in)	3720 (12' 2")
	Superstructure width	D mm (ft-in)	2530 (8' 4")
	Overall height of cab	E mm (ft-in)	3240 (10' 8")
	Ground clearance of counterweight	F mm (ft-in)	1295 (4' 3")
	Engine cover height	G mm (ft-in)	2565 (8' 5")
	Minimum ground clearance	H mm (ft-in)	345 (1' 2")
	Rear-end swing radius	I mm (ft-in)	2790 (9' 2")
Engine	Model	-	Hyundai HE 6.7
	Rated horse power (Gross)	hp/rpm	176/1900
	Maximum torque (at 1400 rpm)	kgf-m (lbf-ft)	81.4 (589)
	Piston displacement	cc (cu in)	6700 (409)
Performance	Swing speed	rpm	10.3
	Travel speed (low/high)	km/h (mph)	9.3/35 (5.8/21.7)
	Gradeability	degree	31.5
	Max traction force	ton (lb)	11.9 (26200)
Working range	Max working reach	R mm (ft-in)	11000 (36' 1")
	Max working depth	T mm (ft-in)	4710 (15' 5")
	Max working height	S mm (ft-in)	12650 (41' 6")
Under-carriage	Wheel base	O mm (ft-in)	2800 (9' 2")
	Tread	P mm (ft-in)	1874 (6' 2")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 6.5 m boom, 4.5 m arm, 0.7 m³ grapple

Dimension



Working range



R210W-9 MH

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×117
	Rated oil flow	lpm (U.S. gpm)	2×228 (60.2)
	Rated speed	rpm	1900
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	29.3 (7.7)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	9
Swing motor (Type 1)	Capacity	cc/rev	151
	Relief pressure	kgf/cm ² (psi)	265 (3770)
	Brake release pressure	kgf/cm ² (psi)	33~50 (470~711)
Swing motor (Type 2,3)	Capacity	cc/rev	142.8
	Relief pressure	kgf/cm ² (psi)	265 (3770)
	Brake release pressure	kgf/cm ² (psi)	20.9~35.5 (297~505)
Travel motor	Capacity (min/max)	cc/rev	61/160
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~32 (427~455)
Axle	Gear ratio	-	16.0
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	80 (1140)
	Steering pressure	kgf/cm ² (psi)	185 (2630)
Battery	Capacity	V-AH	24-100

※ Motor type : See parts manual.

R210W-9 MH

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH)	31Q6-53110	31Y1-28960
Boom cylinder (RH)	31Q6-53120	31Y1-28960
Arm cylinder	31Q6-50410	31Y1-28790
SHPAC #0025-	31Q6-53130E	XKCC-02020
Dozer cylinder (LH) -#0027	XKCC-01102	XKCC-00596
#0028-	31Q6-70013	XKCC-03173
Dozer cylinder (RH) -#0027	XKCC-01103	XKCC-00596
#0028-	31Q6-70023	XKCC-03173
Outrigger cylinder (LH) -#0027	31Q6-70031	XKCC-00099
#0028-	31Q6-70032	XKCC-03180
Outrigger cylinder (RH) -#0027	31Q6-70041	XKCC-00099
#0028-	31Q6-70042	XKCC-03180

※ The part numbers are only reference.

R210W-9 MH

Filter

Description		Part No.	Service interval (hr)
Engine oil		11N8-70110	500
Fuel		11LG-70010	500
Prefilter		11NA-71040	500
Hydraulic	Return -#0003	31N4-01460	1000
	#0004-0019	31N4-01461	1000
	#0020-0022	31Q6-01281	1000
	#0023-	31RF-10100	1000
	Line	31Q6-20340	1000
	Drain -#0018	31N8-01360	1000
	#0019-	31K6-01320	1000
Air breather		31EE-02110	1000
Air cleaner	Inner	11N6-27030	As required
	Outer	11N6-27040	* ¹ 500 (clean)
Air conditioner	Inner	11N6-90770	As required
	Outer	11Q6-90510	* ¹ 250 (Clean)

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		24 (6.3)	500
Fuel		360 (95.1)	-
Transmission		2.5 (0.66)	1000
Axle	Casing (FR)	9.6 (2.5)	1000
	Casing (RR)	13.5 (3.6)	1000
	Hub	2.5 × 2 (0.7 × 2)	1000
Hydraulic oil	Tank	165 (43.6)	* ¹ 2000 * ² 5000
	System	340 (89.8)	-
Swing drive		5.0 (1.3)	1000
Engine coolant		35 (9.2)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

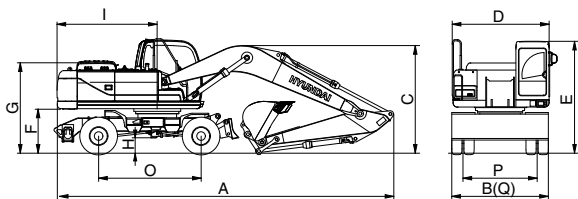
R210W-9A

Specification

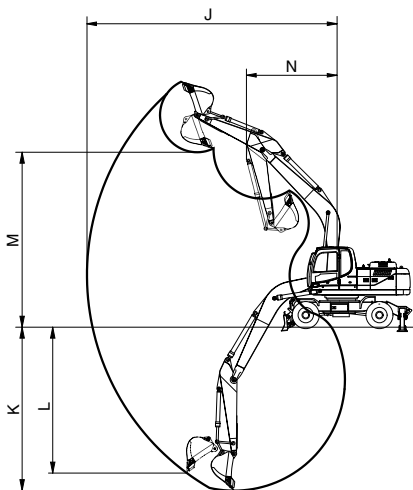
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	20.5 (45200)
	Bucket capacity	m ³ (yd ³)	0.80 (1.05)
	Overall length	A mm (ft-in)	9500 (31' 2")
	Overall width	B mm (ft-in)	2530 (8' 4")
	Overall height	C mm (ft-in)	3150 (10' 4")
	Superstructure width	D mm (ft-in)	2530 (8' 4")
	Overall height of cab	E mm (ft-in)	3180 (10' 5")
	Ground clearance of counterweight	F mm (ft-in)	1305 (4' 3")
	Engine cover height	G mm (ft-in)	2767 (9' 1")
	Minimum ground clearance	H mm (ft-in)	345 (1' 2")
	Rear-end swing radius	I mm (ft-in)	2790 (9' 2")
Engine	Model	-	Cummins QSB6.7
	Rated horse power (Gross)	hp/rpm	173/2100
	Maximum torque (at 1400 rpm)	kgf·m (lbf·ft)	81.7 (591)
	Piston displacement	cc (cu in)	6700 (409)
Performance	Swing speed	rpm	10.3
	Travel speed (low/high)	km/h (mph)	8.5/35 (5.3/21.8)
	Gradeability	degree	31.5
	Max traction force	ton (lb)	10.8 (23810)
	Bucket digging force (SAE)	ton (lb)	13.6 (29980)
	Arm crowd force (SAE)	ton (lb)	10.4 (22930)
	Boom (raise/lower)	sec	3.5/3.1
	Arm (in-regen ON,OFF/out)	sec	3.4, 3.7/2.7
	Bucket (load/dump)	sec	2.5/2.3
Working range	Max digging reach	J mm (ft-in)	9960 (32' 8")
	Max digging depth	K mm (ft-in)	6380 (20' 11")
	Max vertical wall digging depth	L mm (ft-in)	5990 (19' 8")
	Max dumping height	M mm (ft-in)	7160 (23' 6")
	Min swing radius	N mm (ft-in)	3580 (11' 9")
Under-carriage	Wheel base	O mm (ft-in)	2800 (9' 2")
	Tread	P mm (ft-in)	1914 (6' 3")
	Dozer blade width	Q mm (ft-in)	2490 (8' 2")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 5.65 m boom, 2.92 m arm, 0.80 m³ bucket

Dimension



Working range



R210W-9A

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×117
	Rated oil flow	lpm (U.S. gpm)	2×222 (58.6)
	Rated speed	rpm	1950
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	28.5 (7.5)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	9
Swing motor (Type 1)	Capacity	cc/rev	151
	Relief pressure	kgf/cm ² (psi)	265 (3770)
	Brake release pressure	kgf/cm ² (psi)	33~50 (470~711)
Swing motor (Type 2,3)	Capacity	cc/rev	142.8
	Relief pressure	kgf/cm ² (psi)	265 (3770)
	Brake release pressure	kgf/cm ² (psi)	20.9~35.5(297~505)
Travel motor	Capacity (min/max)	cc/rev	61/160
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~32 (427-455)
Axle	Gear ratio	-	16.0
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	80 (1140)
	Steering pressure	kgf/cm ² (psi)	185 (2630)
Battery	Capacity	V-AH	24-100

※ Motor type : See parts manual.

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH/RH)	31Q6-53110/20	31Y1-28960
Boom cyl (Adjust, LH/RH)	31Q6-53410/20	31Y1-28960
Arm cylinder (2.92M, STD)	31Q6-50131	31Y1-28790
Bucket cylinder	31Q6-60111	31Y1-29101
Dozer cylinder (LH)	31Q6-70011	XKCC-00596
Dozer cylinder (RH)	31Q6-70021	XKCC-00596
Outrigger cylinder (LH)	31Q6-70031	XKCC-00099
Outrigger cylinder (RH)	31Q6-70041	XKCC-00099
Adjust cylinder	31Q6-54430	XKCD-03019

※ The part numbers are only reference.

R210W-9A

Filter

Description		Part No.	Service interval (hr)
Engine oil		11N8-70110	500
Fuel	-#0003	11Q7-70010	500
	#0004-	11Q7-71010	
Prefilter	-#0011	11NA-71041	500
	#0012-	11QA-71020	
Hydraulic	Return -#0062	31N4-01461	1000
	#0063-0074	31Q6-01281	1000
	#0075-	31RF-10100	1000
	Line	31Q6-20340	1000
	Drain -#0059	31N8-01360	1000
	#0060-	31K6-01320	1000
	Air breather	31EE-02110	1000
Air cleaner	Inner	11LL-45190	4000
	Outer	11Q6-10180	* ¹ 1000 (clean)
Air conditioner	Inner	11N6-90770	As required
	Outer	11Q6-90510	* ¹ 250 (Clean)

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		23.1 (6.1)	500
Fuel		310 (81.9)	-
Transmission		2.5 (0.66)	1000
Axle	Casing (FR)	9.6 (2.5)	1500
	Casing (RR)	13.5 (3.6)	1500
	Hub	2.5×2 (0.7×2)	1500
Hydraulic oil	Tank	165 (43.6)	* ¹ 2000 * ² 5000
	System	340 (89.8)	-
Swing drive		5.0 (1.3)	1000
Engine coolant		40 (10.6)	2000

*¹ Conventional hydraulic oil *² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth point	61Q6-31310GG	
Bucket side cutter (LH)	63E1-3533GG	
Bucket side cutter (RH)	63E1-3534GG	

※ The part numbers are only reference.

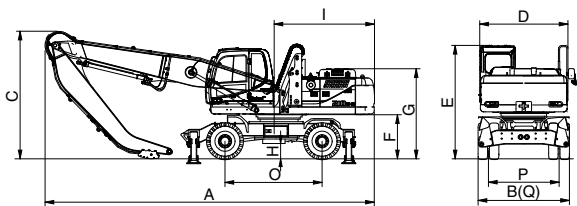
R210W-9A MH

Specification

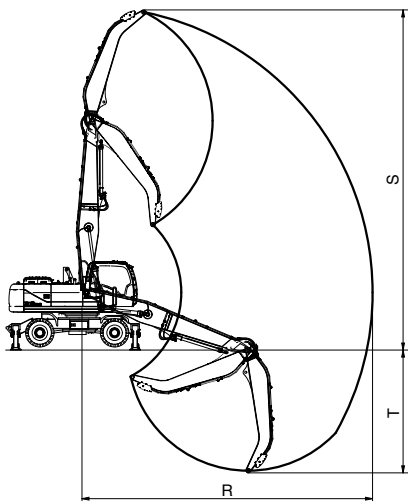
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	25.7 (56660)
	Grapple capacity	m ³ (yd ³)	0.7 (0.92)
	Overall length	A mm (ft-in)	9600 (31' 6")
	Overall width	B mm (ft-in)	2490 (8' 2")
	Overall height	C mm (ft-in)	3720 (12' 2")
	Superstructure width	D mm (ft-in)	2530 (8' 4")
	Overall height of cab	E mm (ft-in)	3180 (10' 5")
	Ground clearance of counterweight	F mm (ft-in)	1305 (4' 3")
	Engine cover height	G mm (ft-in)	2565 (8' 5")
	Minimum ground clearance	H mm (ft-in)	345 (1' 2")
	Rear-end swing radius	I mm (ft-in)	2790 (9' 2")
Engine	Model	-	Cummins QSB6.7
	Rated horse power (Gross)	hp/rpm	173/2100
	Maximum torque (at 1400 rpm)	kgf-m (lbf-ft)	81.7 (591)
	Piston displacement	cc (cu in)	6700 (409)
Performance	Swing speed	rpm	9.7
	Travel speed (low/high)	km/h (mph)	9.2/35 (5.7/21.8)
	Gradeability	degree	31.5
	Max traction force	ton (lb)	11.9 (26240)
Working range	Max working reach	R mm (ft-in)	11000 (36' 1")
	Max working depth	T mm (ft-in)	4710 (15' 5")
	Max working height	S mm (ft-in)	12650 (41' 6")
Under-carrriage	Wheel base	O mm (ft-in)	2800 (9' 2")
	Tread	P mm (ft-in)	1914 (6' 3")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 6.5 m boom, 4.5 m arm, 0.7m³ grapple

Dimension



Working range



R210W-9A MH

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×117
	Rated oil flow	lpm (U.S. gpm)	2×222 (58.6)
	Rated speed	rpm	1900
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	28.5 (7.5)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	9
Swing motor (Type 1)	Capacity	cc/rev	151
	Relief pressure	kgf/cm ² (psi)	265 (3770)
	Brake release pressure	kgf/cm ² (psi)	33~50 (470~711)
Swing motor (Type 2,3)	Capacity	cc/rev	142.8
	Relief pressure	kgf/cm ² (psi)	265 (3770)
	Brake release pressure	kgf/cm ² (psi)	20.9~35.5(297~505)
Travel motor	Capacity (min/max)	cc/rev	61/160
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~32 (427~455)
Axle	Gear ratio	-	16.0
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	80 (1140)
	Steering pressure	kgf/cm ² (psi)	185 (2630)
Battery	Capacity	V-AH	24-100

※ Motor type : See parts manual.

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH)	31Q6-53110	31Y1-28960
Boom cylinder (RH)	31Q6-53120	31Y1-28960
Arm cylinder	31Q6-50410	31Y1-28790
Dozer cylinder (LH/RH)	31Q6-70012/22	XKCC-00596
Outrigger cylinder (LH/RH)	31Q6-70031/41	XKCC-00099

※ The part numbers are only reference.

R210W-9A MH

Filter

Description		Part No.	Service interval (hr)
Engine oil		11N8-70110	500
Fuel		11QA-71000	500
Prefilter		-	500
Hydraulic	Return -#0003	31N4-01461	1000
	#0004-0004	31Q6-01281	1000
	#0005-	31RF-10100	1000
	Line	31Q6-20340	1000
	Drain -#0003	31N8-01360	1000
	#0004-	31K6-01320	1000
	Air breather	31EE-02110	1000
Air cleaner	Inner	11LL-45190	As required
	Outer	11Q6-10180	* ¹ 1000 (clean)
Air conditioner	Inner	11N6-90770	As required
	Outer	11Q6-90510	* ¹ 250 (Clean)

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		23.1 (6.1)	500
Fuel		360 (95.1)	-
Transmission		2.5 (0.66)	1000
Axle	Casing (FR)	9.6 (2.5)	1500
	Casing (RR)	13.5 (3.6)	1500
	Hub	2.5 × 2 (0.7 × 2)	1500
Hydraulic oil	Tank	165 (43.6)	* ¹ 2000 * ² 5000
	System	340 (89.8)	-
Swing drive		5.0 (1.3)	1000
Engine coolant		40 (10.6)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

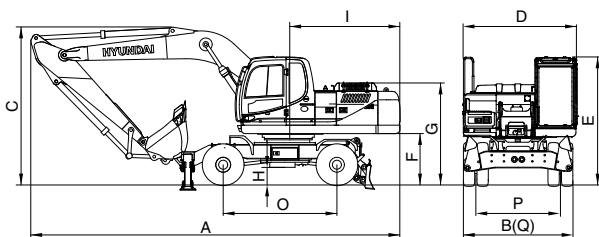
R210W-9S

Specification

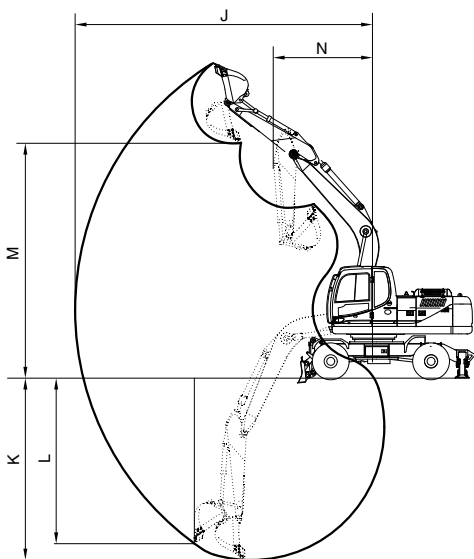
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	20.5 (45190)
	Bucket capacity	m ³ (yd ³)	0.80 (1.05)
	Overall length	A mm (ft-in)	9500 (31' 2")
	Overall width	B mm (ft-in)	2530 (8' 4")
	Overall height	C mm (ft-in)	3150 (10' 4")
	Superstructure width	D mm (ft-in)	2530 (8' 4")
	Overall height of cab	E mm (ft-in)	3180 (10' 5")
	Ground clearance of counterweight	F mm (ft-in)	1305 (4' 3")
	Engine cover height	G mm (ft-in)	2565 (8' 5")
	Minimum ground clearance	H mm (ft-in)	345 (1' 2")
	Rear-end swing radius	I mm (ft-in)	2790 (9' 2")
Engine	Model	-	Cummins B5.9C
	Rated horse power (Gross)	hp/rpm	166/1950
	Maximum torque (at 1400 rpm)	kgf-m (lbf-ft)	68.4 (495)
	Piston displacement	cc (cu in)	5900 (360)
Performance	Swing speed	rpm	10.5
	Travel speed (low/high)	km/h (mph)	8.7/30 (5.4/18.6)
	Gradeability	degree	31.5
	Max traction force	ton (lb)	10.8 (23810)
	Bucket digging force (SAE)	ton (lb)	13.3 (29320)
	Arm crowd force (SAE)	ton (lb)	10.4 (22930)
	Boom (raise/lower)	sec	3.8/2.6
	Arm (in-regen ON,OFF/out)	sec	3.1, 3.8/3.2
	Bucket (load/dump)	sec	2.3/2.3
Working range	Max digging reach	J mm (ft-in)	9960 (32' 8")
	Max digging depth	K mm (ft-in)	6210 (20' 4")
	Max vertical wall digging depth	L mm (ft-in)	5990 (19' 8")
	Max dumping height	M mm (ft-in)	7160 (23' 6")
	Min swing radius	N mm (ft-in)	3580 (11' 9")
Under-carrage	Wheel base	O mm (ft-in)	2800 (9' 2")
	Tread	P mm (ft-in)	1914 (6' 3")
	Dozer blade width	Q mm (ft-in)	2490 (8' 2")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 5.65 m boom, 2.92 m arm, 0.80 m³ bucket

Dimension



Working range



R210W-9S

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×117
	Rated oil flow	lpm (U.S. gpm)	2×222 (58.6)
	Rated speed	rpm	1900
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	28.5 (7.5)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	9
Swing motor (Type 1)	Capacity	cc/rev	151
	Relief pressure	kgf/cm ² (psi)	265 (3770)
	Brake release pressure	kgf/cm ² (psi)	33~50 (470~711)
Swing motor (Type 2,3)	Capacity	cc/rev	142.8
	Relief pressure	kgf/cm ² (psi)	265 (3770)
	Brake release pressure	kgf/cm ² (psi)	20.9~35.5 (297~505)
Travel motor	Capacity (min/max)	cc/rev	61/160
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~35 (426~498)
	Lubrication pressure	kgf/cm ² (psi)	3 (43)
Axle	Gear ratio	-	16.0
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	60 (853)
	Steering pressure	kgf/cm ² (psi)	180 (2560)
Battery	Capacity	V-AH	24-100

※ Motor type : See parts manual.

R210W-9S

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH)	31Q6-53110	31Y1-28960
Boom cylinder (RH)	31Q6-53120	31Y1-28960
Boom adjust cyl (LH) SHPAC #1303-	31Q6-53410E	XKCC-01984
Boom adjust cyl (RH) SHPAC #1303-	31Q6-53420E	XKCC-01984
Arm cylinder (2.92M, STD)	31Q6-50131	31Y1-28790
SHPAC #1303-	31Q6-50131E	XKCC-02020
Bucket cylinder -#0058	31Q6-60110	31Y1-29101
#0059-	31Q6-60111	31Y1-29101
SHPAC #1303-	31Q6-60111E	XKCC-02116
Dozer cylinder (LH/RH)	31Q6-70011/21	XKCC-00596
Outrigger cylinder (LH/RH)	31Q6-70031/41	XKCC-00099

※ The part numbers are only reference.

R210W-9S

Filter

Description		Part No.	Service interval (hr)
Engine oil		3934430	250
Fuel		11E1-70010 *11E1-70210	500
Prefilter		11LB-20310	500
Hydraulic	Return #0189	31N4-01460	1000
	#0190-1111	31N4-01461	1000
	#1112-1161	31Q6-01281	1000
	#1162-	31RF-10100	1000
	Line	31Q6-20340	1000
	Drain #0177	31N8-01360	1000
	#0178-	31K6-01320	1000
	Air breather	31EE-02110	1000
Air cleaner	Inner	11N6-27030	As required
	Outer	11N6-27040	* ¹ 500 (clean)
Air conditioner	Inner	11N6-90770	As required
	Outer	11Q6-90510	* ¹ 250 (Clean)

* : Fuel & water separator *¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		14.2 (3.8)	250
Fuel		310 (81.9)	-
Transmission		2.5 (0.66)	1000
Axle	Casing (FR)	9.6 (2.5)	1500
	Casing (RR)	13.1 (3.5)	1500
	Hub	2.5×2 (0.7×2)	1500
Hydraulic oil	Tank	165 (43.6)	* ¹ 2000 * ² 5000
	System	340 (89.8)	-
Swing drive		5.0 (1.3)	1000
Engine coolant		35 (9.2)	2000

*¹ Conventional hydraulic oil *² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	61Q6-31310GG	
Bucket side cutter (LH)	63E1-3533GG	
Bucket side cutter (RH)	63E1-3534GG	

※ The part numbers are only reference.

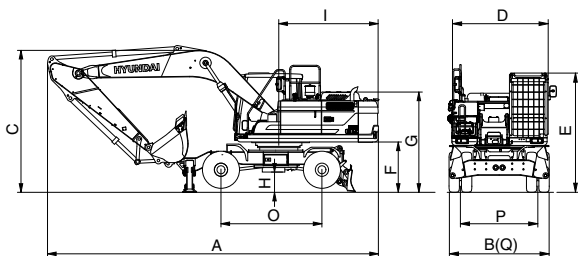
HW210

Specification

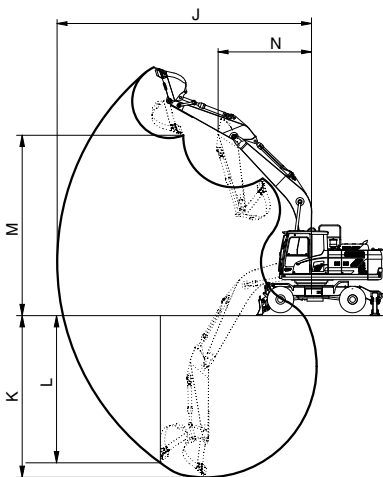
Item		Unit	Specification
Dimension	Operating weight	ton (lb)	21.2 (46740)
	Bucket capacity	m ³ (yd ³)	0.87 (1.14)
	Overall length (travel/shipping) A	mm (ft-in)	9450 (31' 0")/9500 (31' 2")
	Overall width B	mm (ft-in)	2530 (8' 4")
	Overall height (travel/shipping) C	mm (ft-in)	3950 (12' 9")/3130 (10' 3")
	Superstructure width D	mm (ft-in)	2530 (8' 4")
	Overall height of cab E	mm (ft-in)	3245 (10' 8")
	Ground clearance of counterweight F	mm (ft-in)	1300 (4' 3")
	Engine cover height G	mm (ft-in)	2705 (8' 10")
	Minimum ground clearance H	mm (ft-in)	353 (1' 2")
	Rear-end swing radius I	mm (ft-in)	2850 (9' 4")
Engine	Model	-	Cummins QSB6.7
	Rated horse power (Gross)	hp/rpm	183/2000
	Maximum torque (at 1400 rpm)	kgf-m (lbf-ft)	85.7 (620)
	Piston displacement	cc (cu in)	6700 (409)
Performance	Swing speed	rpm	9.7
	Travel speed (low/high)	km/h (mph)	9.1/34.7 (5.7/21.6)
	Gradeability	degree	31.5
	Max traction force	ton (lb)	11.6 (25620)
	Bucket digging force (SAE)	ton (lb)	13.6 (29980)
	Arm crowd force (SAE)	ton (lb)	11.1 (22930)
	Boom (raise/lower)	sec	3.4/2.8
	Arm (in-regen ON, OFF/out)	sec	2.9, 3.4/2.8
	Bucket (load/dump)	sec	2.3/2.3
Working range	Max digging reach J	mm (ft-in)	9750 (32' 0")
	Max digging depth K	mm (ft-in)	6160 (20' 2")
	Max vertical wall digging depth L	mm (ft-in)	5630 (18' 5")
	Max dumping height M	mm (ft-in)	7030 (23' 1")
	Min swing radius N	mm (ft-in)	3560 (11' 7")
Under-carrage	Wheel base O	mm (ft-in)	2800 (9' 2")
	Tread P	mm (ft-in)	1914 (6' 3")
	Dozer blade width Q	mm (ft-in)	2490 (8' 2")
Tire	Size	-	10.0-20, 14PR
	Air pressure	kgf/cm ² (psi)	7.0 (100)

※ STD : 5.65 m boom, 2.7 m arm, 0.87 m³ bucket

Dimension



Working range



HW210

Major component

Description		Unit	Specification
Main pump	Capacity	cc/rev	2×117
	Rated oil flow	lpm (U.S. gpm)	2×200 (52.8)
	Rated speed	rpm	1700
Gear pump	Capacity	cc/rev	15
	Rated oil flow	lpm (U.S. gpm)	25.5 (6.7)
	Maximum pressure	kgf/cm ² (psi)	40 (570)
Main control valve	Main relief pressure	kgf/cm ² (psi)	350 (4980)
	Port relief pressure	kgf/cm ² (psi)	400 (5690)
	Spools	ea	9
Swing motor (Type 1,2)	Capacity	cc/rev	142.8
	Relief pressure	kgf/cm ² (psi)	265 (3770)
	Brake release pressure	kgf/cm ² (psi)	20.9~35.5 (297~505)
Travel motor	Capacity (min/max)	cc/rev	61/160
	Relief pressure	kgf/cm ² (psi)	380 (5400)
Transmission	Gear ratio (1st/2nd)	-	4.87/1.20
	Shift gear (FR/RR)	-	2/2
	Clutch pressure	kgf/cm ² (psi)	30~32 (427~455)
	Lubrication pressure	kgf/cm ² (psi)	3 (43)
Axle	Gear ratio	-	16.0
	Brake type	-	Multi disc
	Brake pressure	kgf/cm ² (psi)	80 (1140)
	Steering pressure	kgf/cm ² (psi)	185 (2630)
Battery	Capacity	V-AH	24-100

※ Motor type : See parts manual.

HW210

Cylinder (included piping)

Description	Assy part No.	Seal kit part No.
Boom cylinder (LH)	31K6-53110	31Y1-28960
SHPAC #0180-	31K6-54410E	XKCC-01984
Boom cylinder (RH)	31K6-53120	31Y1-28960
SHPAC #0180-	31K6-54420E	XKCC-01984
Boom cylinder (LH,Adjust)	31K6-53410	31Y1-28960
SHPAC #0180-	31K6-53410E	XKCC-01984
Boom cylinder (RH,Adjust)	31K6-53420	31Y1-28960
SHPAC #0180-	31K6-53420E	XKCC-01984
Arm cylinder	31K6-50130	31Y1-28790
SHPAC #0180-	31Q6-50131EGG	XKCC-02020
Bucket cylinder	31K6-60110	31Y1-29101
SHPAC #0180-	31Q6-60111EGG	31Y1-30290
Dozer cylinder (LH/RH) -#0219	31Q6-70012/22	XKCC-00596
#0220-	31Q6-70013/23	XKCC-03173
Outrigger cylinder (LH/RH) -#0219	31Q6-70031/41	XKCC-00099
#0220-	31Q6-70032/42	XKCC-03180
Aujust cylinder -#0091	31Q6-54430	-
#0092-	31K6-54430	-

※ The part numbers are only reference.

HW210

Filter

Description		Part No.	Service interval (hr)
Engine oil		11N8-70110	500
Fuel		5303743	500
Prefilter		11KA-71040	500
Hydraulic	Return -#0065	31N4-01461	1000
	#0066-	31RF-10100	1000
	Line	31Q6-20340	1000
	Drain -#0095	31N8-01360	1000
	#0096-	31K6-01320	1000
Air breather		32QA-00140	1000
Air cleaner	Inner	11N6-27030	2000
	Outer	11N6-27040	* ¹ 500 (clean)
Air conditioner	Inner -#0044	11K6-90770	As required
	#0045-	11K6-90780	As required
	Outer	71LM-00290	500

*¹ Replace the filter after 4 times cleanings.

Oil, coolant & lubricant

Description		Capacity ℓ (U.S. gal)	Service interval (hr)
Engine oil		23.7 (6.26)	500
Fuel		310 (81.9)	-
Transmission		2.5 (0.66)	1000
DEF/AdBlue® Tank		27.0 (7.1)	-
Axle	Casing (FR)	9.6 (2.5)	1500
	Casing (RR)	13.5 (3.6)	1500
	Hub	2.5×2 (0.7×2)	1500
Axle-wide	Casing (FR)	11.0 (2.9)	1500
	Casing (RR)	15.0 (4.0)	1500
	Hub	2.5×2 (0.7×2)	1500
Hydraulic oil	Tank	165 (43.6)	* ¹ 2000 * ² 5000
	System	340 (89.8)	-
Swing drive		6.2 (1.6)	1000
Engine coolant		40 (10.6)	2000

*¹ Conventional hydraulic oil

*² Hyundai genuine long life hydraulic oil

Consumption parts

Description	Part No.	Remark
Bucket tooth	61Q6-31310GG	
Bucket side cutter (LH)	63E1-3533GG	
Bucket side cutter (RH)	63E1-3534GG	

※ The part numbers are only reference.