



ZW180-7 | ZW180PL-7 | Preliminary ZW-7 series

Reliable solutions



ZW180

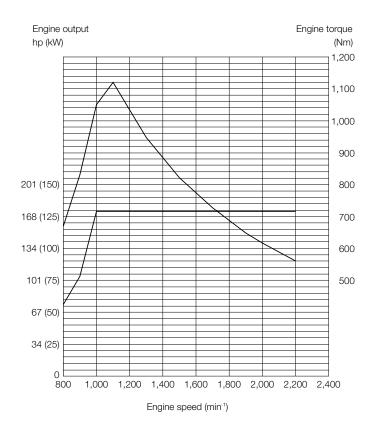
WHEEL LOADER

Model code: ZW180-7 | ZW180PL-7 Engine maximum power: 173 hp (129 kW) Operating weight: 32,959-34,635 lb. (14,950-15,710 kg) Bucket capacity: 3.3-6.8 yd3 (2.5-5.2 m3)

* Shown with optional equipment that may not be available in all markets

SPECIFICATIONS

ENGINE					
Model	CUMMINS B6.7				
Туре	4 cycle water-cooled, direct injection				
Aspiration	Turbocharger and intercooled				
Aftertreatment	DPF+SCR system				
No. of cylinders	6				
Maximum power					
ECE R120 gross	173 hp (129 kW) at 2,200 min ⁻¹ (rpm)				
ISO 9249: 2007 net	168 hp (125 kW) at 2,200 min ⁻¹ (rpm)				
Rated power					
ISO 14396: 2002 gross	173 hp (129 kW) at 2,200 min ⁻¹ (rpm)				
ISO 9249: 2007 net	168 hp (125 kW) at 2,200 min ⁻¹ (rpm)				
Maximum torque					
ISO 9249: 2007 net	1,104 Nm at 1,100 min ⁻¹ (rpm)				
gross	1,120 Nm at 1,100min ⁻¹ (rpm)				
Bore and stroke	4.2" x 4.9" (107 mm X 124 mm)				
Piston displacement	410.1 cu.in (6.69 L)				
Batteries	2 x 12 V				
Air cleaner	Two element dry type with restriction indicator				



POWER TRAIN					
Transmission	Torque converter, countershaft type power- shift with computer-controlled automatic shift and manual shift features included.				
Torque converter	Three elements, single stage, single phase				
Main clutch	Wet hydraulic, multi-disc type				
Cooling method	Forced circulation type				
Travel speed* Forward/Reverse					
1st	3.7/3.9 mph (5.9/6.2 km/h) [3.9/4.1 mph (6.3/6.6 km/h)]				
2nd	7.1/7.5 mph (11.5/12.1 km/h) [7.6/8.0 mph (12.2/12.9 km/h)]				
3rd	10.9/16.5 mph (17.5/26.5 km/h) [11.5/17.6 mph (18.5/28.3 km/h)]				
4th	15.7 mph (25.3 km/h) [16.8 mph (27 km/h)]				
5th	24.2 mph (39 km/h) [24.2 mph (39 km/h)]				
*With 20.5 R25 (L3) tires	·				

*With 20.5 R25 (L3) tires []: Data at Power Mode

AXLE AND FINAL DRIVE					
Drive system Four-wheel drive system					
Front and rear axle	Semi-floating				
Front	Fixed to the front frame				
Rear	Trunnion support				
Reduction and differential gear	Two stage reduction with limited slip differential				
Oscillation angle	Total 20° (+10°,-10°)				
Final drives	Heavy-duty planetary, mounted inboard				

TIRES	
Tire size	20.5R25 (L3)

BRAKES	
Service brakes	Inboard mounted fully hydraulic 4 wheel wet disc brakes. Front and rear independent brake circuit
Parking brakes	Spring applied, hydraulically released, dry disc type with external output shaft

STEERING SYSTEM					
Туре	Articulated frame steering				
Steering angle	Each direction 40°; total 80°				
Cylinders	Double-acting piston type				
No. x Bore x Stroke	2 x 2.8" x 17.4" (2 x 70 mm x 442 mm)				

HYDRAULIC SYST	EM					
Arm and bucket are co	ontrolled by multifunction lever					
Arm controls Four position valve; Raise, hold, low float						
Bucket controls with a control	automatic bucket return-to-dig					
Three position valve; Roll	back, hold, dump					
Main pump (Serve as	steering pump)					
Variable Displacement Axi	al Plunger Pump					
Maximum flow 59.1 gal (224 L) /min at 2,200 min ⁻¹ (rpm)						
Maximum pressure	3,974 psi (27.4 MPa)					
Fan pump						
Fixed Displacement Gear P	ump					
Maximum flow	14.5 gal (54.8 L) /min at 2,200 min ⁻¹ (rpm)					
Maximum pressure	2,640 psi (18.2 MPa)					
Hydraulic cylinders						
ZW180-7						
Туре	Double acting type					
	Arm: 2 x 4.9" x 30.1"					
No. x Bore x Stroke	(2 x 125 mm x 765 mm) Bucket: 1 x 5.9" x 19.5"					
	(1 x 150 mm x 495 mm)					
Filters	Full-flow 15 micron return filter in reservoir					
ZW180PL-7						
Туре	Double acting type					
No. x Bore x Stroke	Arm: 2 x 4.9" x 30.1" (2 x 125 mm x 765 mm)					
	Bucket: 2 x 4.3" x 37.6" (2 x 110 mm x 955 mm)					
	(2 X 110 mm X 955 mm) Full-flow 15 micron return filter in					
Filters	reservoir					
Hydraulic cycle times						
ZW180-7						
Lift arm raise	5.3 s					
Lift arm lower	3.7 s					
Bucket dump	1.1 s					
Total	10.1 s					
ZW180PL-7						
Lift arm raise	5.3 s					
Lift arm lower 3.7 s						
Lift arm lower	3.7 s					
Lift arm lower Bucket dump	3.7 s 2.3 s					

*Data at Power Mode

ENVIRONMENT

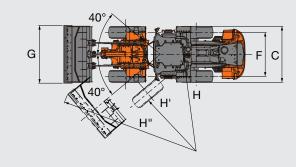
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Engine	ETHISSIONS

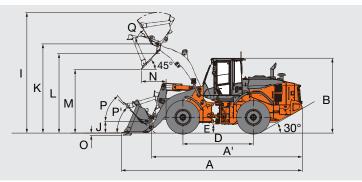
EPA Final Tier 4/EU stage V	
Sound level	
Sound level in cabin according to ISO 6396: 2008	67 LpA dB(A)
External sound level according to ISO 6395: 2008 and EU Directive 2000/14/EC	104 LwA dB(A)

SERVICE REFILL CAPACITIES						
Fuel tank	60.7 gal (230 L)					
Engine coolant	6.6 gal (25 L)					
Engine oil	6.6 gal (25 L)					
Torque converter and transmission	7.9 gal (30 L)					
Front axle differential and wheel hubs	8.2 gal (31 L)					
Rear axle differential and wheel hubs	9.0 gal (34 L)					
Hydraulic oil tank	26.4 gal (100 L)					
DEF/AdBlue [®] tank	6.6 gal (25 L)					

SPECIFICATIONS

DIMENSIONS AND SPECIFICATIONS ZW180-7





			Standard arm					High-lift arm	
Bucket type				General	purpose	High volume	General	General purpose	
			Weld-on teeth	Bolt-on cutting edge	Weld-on teeth	Bolt-on cutting edge	Bolt-on cutting edge	Weld-on teeth	Bolt-on cutting edge
Bucket capacity	ISO 7546: 1983 Heaped	yd ³ (m ³)	3.4 (2.6)	3.4 (2.6)	3.7 (2.8)	3.7 (2.8)	6.8 (5.2)	3.4 (2.6)	3.7 (2.8)
Ducket capacity	ISO 7546: 1983 Struck	yd ³ (m ³)	2.9 (2.2)	2.9 (2.2)	3.1 (2.4)	3.1 (2.4)	5.8 (4.4)	2.9 (2.2)	3.1 (2.4)
A Overall length		ft-in (mm)	26' 6" (8,085)	26' 2" (7, 975)	26' 8" (8,135)	26' 4" (8,025)	27' 8" (8,430)	27' 9" (8,470)	27' 11" (8,520)
A' Overall length (with	nout bucket)	ft-in (mm)	22' 1" (6,725)	22' 1" (6,725)	22' 1" (6,725)	22' 1" (6,725)	22' 1" (6,725)	23' 8" (7,225)	23' 8" (7,225)
B Overall height	up to cab top	ft-in (mm)	10' 10" (3,310)	10' 10" (3,310)	10' 10" (3,310)	10' 10" (3,310)	10' 10" (3,310)	10' 10" (3,310)	10' 10" (3,310)
C Width over tires	outside tire	ft-in (mm)	8' 3" (2,505)	8' 3" (2,505)	8' 3" (2,505)	8' 3" (2,505)	8' 3" (2,505)	8' 3" (2,505)	8' 3" (2,505)
D Wheel base		ft-in (mm)	10' 2" (3,100)	10' 2" (3,100)	10' 2" (3,100)	10' 2" (3,100)	10' 2" (3,100)	10' 2" (3,100)	10' 2" (3,100)
E Ground clearance	Minimum	ft-in (mm)	1' 4" (400)	1' 4" (400)	1' 4" (400)	1' 4" (400)	1' 4" (400)	1' 4" (400)	1' 4" (400)
F Tread		ft-in (mm)	6' 4" (1,930)	6' 4" (1,930)	6' 4" (1,930)	6' 4" (1,930)	6' 4" (1,930)	6' 4" (1,930)	6' 4" (1,930)
G Bucket width		ft-in (mm)	8' 4" (2,535)	8' 4" (2,535)	8' 4" (2,535)	8' 4" (2,535)	9' 8" (2,950)	8' 4" (2,535)	8' 4" (2,535)
H Turning radius (cent	erline of outside tire)	ft-in (mm)	17' 2" (5,235)	17' 2" (5,235)	17' 2" (5,235)	17' 2" (5,235)	17' 2" (5,235)	17' 2" (5,235)	17' 2" (5,235)
H' Turning radius to in	nside of tires	ft-in (mm)	9' 10" (2,995)	9' 10" (2,995)	9' 10" (2,995)	9' 10" (2,995)	9' 10" (2,995)	9' 10" (2,995)	9' 10" (2,995)
H" Loader clearance r bucket in carry pos	adius, sition	ft-in (mm)	20' 2" (6,145)	20' 1" (6,115)	20' 3" (6,160)	20' 1" (6,130)	21' 1" (6,420)	20' 9" (6,330)	20' 10" (6,345)
I Overall operating h	eight bucket full raise	ft-in (mm)	17' 4" (5,280)	17' 4" (5,280)	17' 6" (5,345)	17' 6" (5,345)	19' 2" (5,840)	18' 8" (5,685)	18' 10" (5,750)
J Carry height of buc	cket pin at carry position	ft-in (mm)	1' 4" (400)	1' 4" (400)	1' 4" (400)	1' 4 (400)	1' 4" (400)	1' 4" (400)	1' 4" (400)
K Height to bucket h	inge pin, fully raised	ft-in (mm)	12' 11" (3,925)	12' 11" (3,925)	12' 11" (3,925)	12' 11" (3,925)	12' 11" (3,925)	14' 3" (4,335)	14' 3" (4,335)
L Lift arm clearance at max lift ft-in (mm)		12' 0" (3,670)	11' 12" (3,645)	12' 0" (3,670)	11' 12" (3 ,645)	11' 12" (3,650)	13' 4" (4,055)	13' 4" (4,055)	
M Dumping clearance 45 degree, full height ft-in (mm)		8' 11" (2,710)	9' 2" (2,785)	8' 9" (2,675)	9' 0" (2,750)	8' 1" (2,465)	10' 6" (3,190)	10' 4" (3,155)	
N Reach, 45 degree dump, full height ft-in (mm)		3' 11" (1,205)	3' 7" (1,095)	4' 1" (1,240)	3' 8" (1,130)	4' 8" (1,415)	4' 1" (1,245)	4' 2" (1,280)	
O Digging depth (horizontal digging angle) ft-in (mm)			0' 3" (70)	0' 4" (95)	0' 3" (70)	0' 4" (95)	0' 4" (95)	0' 7" (170)	0' 7" (170)
P Max. roll back at carry positiondeg			47	47	47	47	47	47	47
P' Max. roll back at g	round level	deg	43	44	43	44	44	45	45
Q Roll back angle at	full height	deg	60	60	60	60	60	53	53

Bucket type		Standard arm					High-lift arm		
			General	ourpose	High volume	ume General purpos			
			Weld-on teeth	Bolt-on cutting edge	Weld-on teeth	Bolt-on cut- ting edge	Bolt-on cut- ting edge	Weld-on teeth	Bolt-on cut- ting edge
Static tipping load ISO 14397-1: 2007	Strai	ghtlb (kg)	27,712 (12,570)	27,426 (12,440)	27,712 (12,570)	27,448 (12,450)	26,544 (12,040)	21,583 (9,790)	21,561 (9,780)
(Section 1-5) *	Full t	urnlb (kg)	23,986 (10,880)	23,700 (10,750)	23,964 (10,870)	23,700 (10,750)	22,774 (10,330)	18,541 (8, 410)	18,519 (8,400)
Breakout force kN lbf (kgf)		128	117	122	112	81	107	103	
		28,682 (13,010)	26,279 (11,920)	27,403 (12,430)	25,155 (11,410)	18,298 (8,300)	24,119 (10,940)	23,082 (10,470)	
Operating weight * (With ROPS/FOPS Cab) lb (kg)		32,959 (14,950)	33,158 (15,040)	32,981 (14,960)	33,246 (15,080)	34,106 (15,470)	33,598 (15,240)	33,665 (15,270)	

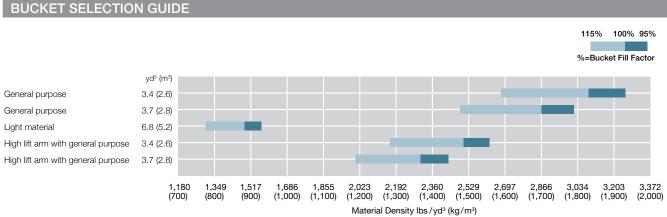
Note

: Static tipping load and operating weight marked with include 20.5R25 (L3) tires (No ballast) with lubricants, full fuel tank and operator.

Machine stability and operating weight depend on counterweight, tire size and other attachments.

WEIGHT CHANGE

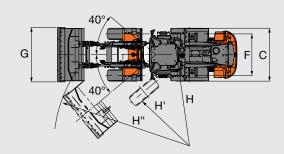
		Operating					Overall
	Option item	weight Ib (kg)	Straight	Full turn	in (mm) height (outside tire) in (mm)		length in (mm)
Tire	20.5R25 (L3) VJT	+22 (+10)	+66 (+30)	+66 (+30)	-0.2 (-5)	-0.2 (-5)	±0
Belly guard		+364 (+165)	+265 (+120)	+243 (+110)	±0	±0	±0

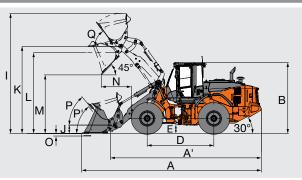


BUCKET SELECTION GUIDE

SPECIFICATIONS

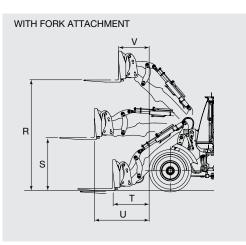
DIMENSIONS AND SPECIFICATIONS ZW180PL-7





				Standard arm						
	Bucket type		Bolt-on cutting edge	Bolt-on cutting edge	Bolt-on cuttina edae	Weld-on teeth	Weld-on teeth	Weld-on teeth		
	ISO 7546: 1983 Heaped	yd ³ (m ³)	24	3.7 (2.8)	4.1 (3.1)	3.3 (2.5)	3.5 (2.7)	3.9 (3.0)		
Bucket capacity	ISO 7546: 1983 Struck	yd ³ (m ³)	3.0 (2.3)	3.1 (2.4)	3.5 (2.7)	2.9 (2.2)	3.0 (2.3)	3.4 (2.6)		
A Overall length		ft-in (mm)	27' 4" (8,330)	27' 6" (8,380)	27' 10" (8,480)	27' 9" (8,450)	27' 11" (8,500)	28' 3" (8,600)		
A' Overall length (withou	ut bucket)	ft-in (mm)	23' 0" (7,020)	23' 0" (7,020)	23' 0" (7,020)	23' 0" (7,020)	23' 0" (7,020)	23' 0" (7,020)		
B Overall height	up to cab top	ft-in (mm)	10' 10" (3,310)	10' 10" (3,310)	10' 10" (3,310)	10' 10" (3,310)	10' 10" (3,310)	10' 10" (3,310)		
C Width over tires	outside tire	ft-in (mm)		8' 3" (2,505)	8' 3" (2,505)	8' 3" (2,505)	8' 3" (2,505)	8' 3" (2,505)		
D Wheel base		ft-in (mm)	10' 2" (3,100)	10' 2" (3,100)	10' 2" (3,100)	10' 2" (3,100)	10' 2" (3,100)	10' 2" (3,100)		
E Ground clearance	Minimum	ft-in (mm)	1' 4" (400)	1' 4" (400)	1' 4" (400)	1' 4" (400)	1' 4" (400)	1' 4" (400)		
F Tread		ft-in (mm)		6' 4" (1,930)	6' 4" (1,930)	6' 4" (1,930)	6' 4" (1,930)	6' 4" (1,930)		
G Bucket width		ft-in (mm)	8' 4" (2,535)	8' 4" (2,535)	8' 4" (2,535)	8' 4" (2,535)	8' 4" (2,535)	8' 4" (2,535)		
H Turning radius (centerl	H Turning radius (centerline of outside tire)ft-in (mm)		17' 2" (5,235)	17' 2" (5,235)	17' 2" (5,235)	17' 2" (5,235)	17' 2" (5,235)	17' 2" (5,235)		
H' Turning radius to insi	de of tires	ft-in (mm)	9' 10" (2,995)	9' 10" (2,995)	9' 10" (2,995)	9' 10" (2,995)	9' 10" (2,995)	9' 10" (2,995)		
H'' Loader clearance radius, ft-in (mm) bucket in carry position		201 4"	20' 4" (6,205)	20' 5" (6,230)	20' 5" (6,225)	20' 6" (6,240)	20' 7" (6,270)			
I Overall operating heig			18' 4" (5,590)	18' 6" (5,650)	18' 9" (5,720)	18' 4" (5,590)	18' 6" (5,650)	18' 9" (5,720)		
J Carry height of bucke	et pin at carry position	ft-in (mm)	1' 4" (400)	1' 4" (400)	1' 4" (400)	1' 4" (400)	1' 4" (400)	1' 4" (400)		
K Height to bucket hing	ge pin, fully raised	ft-in (mm)	13' 3" (4,050)	13' 3" (4,050)	13' 3" (4,050)	13' 3" (4,050)	13' 3" (4,050)	13' 3" (4,050)		
L Lift arm clearance at	max lift	ft-in (mm)	12' 4" (3,760)	12' 4" (3,760)	12' 4" (3,760)	12' 4" (3,760)	12' 4" (3,760)	12' 4" (3,760)		
M Dumping clearance 45	5 degree, full height	ft-in (mm)	8' 11" (2,720)	8' 10" (2,690)	8' 7" (2,620)	8' 8" (2,650)	8' 7" (2,610)	8' 4" (2,540)		
N Reach, 45 degree du	ımp, full height	ft-in (mm)	4' 7" (1,390)	4' 8" (1,420)	4' 11" (1,490)	4' 11" (1,510)	5' 1" (1,540)	5' 3" (1,610)		
O Digging depth (horizo	ontal digging angle)	ft-in (mm)	0' 4" (110)	0' 4" (110)	0' 4" (110)	0' 3" (80)	0' 3" (80)	0' 3" (80)		
P Max. roll back at carr	y position	deg	50	50	50	50	50	50		
P' Max. roll back at grou	und level	deg	48	48	48	48	48	48		
Q Roll back angle at full heightdeg		55	55	55	55	55	55			
Bucket weight		lb (kg)	2 844 (1,290)	2 932 (1,330)	3 064 (1,390)	2 624 (1,190)	2 712 (1,230)	2 844 (1,290)		
Static tipping load ISO	Straight	lb (kg)	23,744 (10,770)	23,656 (10,730)	23,523 (10,670)	24,097 (10,930)	23,898 (10,840)	23,766 (10,780)		
14397-1: 2007 (Section 1-5) *	Full turn	lb (kg)	20,415 (9,260)	20,349 (9,230)	4,365 (1,980)	20,723 (9,400)	20,547 (9,320)	20,437 (9,270)		
Breakout force		kN	112	108	101	120	116	108		
		lbf (kgf)	25,133 (11,400)	24,251 (11,000)	22,708 (10,300)	26,896 (12,200)	26,015 (11,800)	24,251 (11,000)		

	Standard arm							
Bucket type	Bolt-on	Bolt-on	Bolt-on	Weld-on	Weld-on	Weld-on		
	cutting edge	cutting edge	cutting edge	teeth	teeth	teeth		
Operating weight *	34,414	34,502	34,635	34,194	34,282	34,414		
(With ROPS/FOPS Cab)lb (kg)	(15,610)	(15,650)	(15,710)	(15,510)	(15,550)	(15,610)		



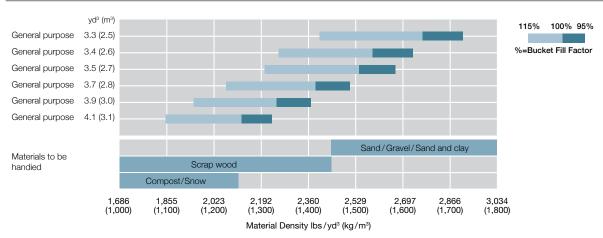
Attachment type			Fork
R Max. stacking heightft-in (mm)		ightft-in (mm)	12' 7" (3,830)
S	Height of fork at r	maximum reachft-in (mm)	5' 11" (1,810)
T Reach at ground levelft-in (mm)			4' 4" (1,310)
U Max. reachft-in (mm)			6' 3" (1,910)
V Reach at max. stacking heightft-in (mm)			3' 6" (1,070)
C+	atic tipping load	Straightlbf (kgf)	18,783 (8,520)
318	alic lipping load	Full 40 degree turnlbf (kgf)	16,292 (7,390)
Ma	ax. payload per EN	474-3, 80 % lb (kg)	15,344 (6,960)
Max. payload per EN 474-3, 60 % lb (kg)		474-3, 60 % lb (kg)	11,508 (5,220)
Fork tine lengthft-in (mm)			4' 0" (1,220)
Op	erating weight *	lb (kg)	33 025 (14,980)

Note: *: Static tipping load and operating weight marked with* include 20.5R25 (L3) tires (No ballast) with lubricants, full fuel tank and operator. Machine stability and operating weight depend on counterweight, tire size and other attachments.

WEIGHT CHANGE

Option item		Operating weight			Overall width	Overall height	Overall length
	Option item	lb (kg)	Straight	Full turn	(outside tire)	in (mm)	in (mm)
Tire	20.5R25 (L3) VJT	+22 (+10)	+44 (+20)	+44 (+20)	-0.2 (-5)	-0.2 (-5)	±0
Belly guard		+364 (+165)	+265 (+120)	+243 (+110)	±0	±0	±0

BUCKET SELECTION GUIDE



EQUIPMENT

ENGINE	ZW180-7	ZW180PL-7
Aftertreatment device	•	•
Aftertreatment manual regeneration inhibit switch	•	•
Aftertreatment manual regeneration switch	•	•
Air filter double elements	•	•
Air intake		
Pre-cleaner (sy-klone type)	•	•
Pre-cleaner (Turbo II)	0	0
Anti-clogging radiator (wide fin pitch)	•	•
Automatic reversible cooling fan with heat sensing	•	•
Cartridge-type engine oil filter	•	•
Cartridge-type fuel main filter	•	•
Cartridge-type fuel pre-filter (with water separator function)	•	•
Coolant reservoir sight gauge	•	•
DEF/AdBlue® tank	•	•
DEF/AdBlue® tank with magnet adapter	•	•
Engine auto shut-down control system	•	•
Engine oil remote drain	•	•
Fan guard	•	•

BRAKE SYSTEM	ZW180-7	ZW180PL-7
Front and rear independent brake circuit	•	•
Inboard mounted fully hydraulic 4 wheel wet disc	•	•
Spring-applied/Hydraulic-released parking brake	•	•

HYDRAULIC SYSTEM	ZW180-7	ZW180PL-7
Bucket auto leveler (automatic return to dig control)	•	•
Control lever lock switch	•	•
Dual lift arm auto leveler and kickout system	•	•
Electric control lever		
for 3 spools control valve		
MF lever and Proportional switch for 3rd function	•	•
2 levers and AUX lever for 3rd function — Inside layout pattern (3rd — bucket — liftarm)	0	0
Hydraulic filters	•	•
Lift arm float system	•	•
Quick coupler piping and switch	•	•
Reservoir sight gauge	•	•
Ride control system (OFF-AUTO type)	•	•
Work mode selector	•	•

•: Standard equipment O: Optional equipment

CAB200022000000000000000000000000000000000000	•: Standard equipment O:	Optional e	quipment
Auto control air conditionerOOWith double intake filterIIBluetooth® integrated DAB+radio, hands-free callingIICamera and monitorIIAERIAL ANGLE (Side and rear view camera)OORear view camera and monitorIICoat hookIIEvacuation hammerIIFront/rear defrosterIIGlove compartmentIILED room lightIIPayload checker with tip-off functionIIRear view mirrorsIIInside (1)IIStandard outside mirrorsIIPremium Outside (heated, 2) electrical adjustment with proximityIROPS (ISO 3471: 2008). FOPS (ISO 3449: 2008 LEVEL II): multi-plane isolation mounted for noise, vibration reductionIRubber floor matIISeatIIStearing systemIIStearing systemIICup holderIIDocument holderIIDocument holderIISubsering systemIIStearing systemIISubarchy note stear place indication of the seat, seat depth, weight-height, fore-aft position, reclining angle, armrest angle, headrest height and angle, lumbar supportIStearingIIIStearing systemIISubarchy coketIISubarchy coketI <tdi< th=""><th>САВ</th><th>ZW180-7</th><th>ZW180PL-7</th></tdi<>	САВ	ZW180-7	ZW180PL-7
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with double intake filterBluetooth® integrated DAB+radio, hands-free callingCamera and monitorAERIAL ANGLE (Side and rear view camera)Rear view camera and monitorCoat hookEvacuation hammerFront/rear defrosterGlove compartmentLED room lightPayload checker with tip-off functionRear view mirrorsInside (1)Standard outside mirrorsPremium Outside (heated, 2) electrical adjustment with proximityROPS (ISO 3471: 2008), FOPS (ISO 3449: 2008 LEVEL II): multi-plane isolation mounted for noise, vibration reductionRubber floor matSeatHeavy duty air suspension seat equipped with horizontal suspension headrest and heater: fabric, high back, adjustable for damper, inclination of the seat, seat depth, weight-height, fore- aft position, reclining angle, armrest angle, headrest height and angle, lumbar supentStorageCup holderDocument holderDocument holderStorageDocument holder	Auto control air conditioner		
Bluetooth® integrated DAB+radio, hands-free calling••Camera and monitor00Rear view camera and monitor00Rear view camera and monitor00Coat hook00Evacuation hammer100Front/rear defroster00Glove compartment00LED room light00Payload checker with tip-off function00Rear view mirrors00Rear view mirrors00Inside (1)00Standard outside mirrors00Premium Outside (heated, 2) electrical adjustment with proximity0RoPS (ISO 3471: 2008), FOPS (ISO 3449: 2008 LEVEL II): multi-plane isolation mounted for noise, vibration reduction0Rubber floor mat00Seat00Stardard outside mapper, inclination of the seat, seat depth, weight-height, fore-aft position, reclining angle, armets angle, headrest and heater: fabric, high back, adjustable for damper, inclination of the seat, seat depth, weight-height, fore-aft position, reclining angle, armets angle, headrest height and angle, lumbar support0Seat belt reminder100Storage000Cup holder000Document holder000Document holder000Document holder000Document holder000Starage000 </td <td>Pre-cleaner for air conditioner</td> <td>0</td> <td>0</td>	Pre-cleaner for air conditioner	0	0
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Rear view camera and monitor••Coat hook•••Evacuation hammer•••Front/rear defroster•••Glove compartment•••LED room light•••Payload checker with tip-off function•••Rear obstacle detection system•••Rear obstacle detection system•••Inside (1)••••Standard outside mirrors•••Premium Outside (heated, 2) electrical adjustment with proximity••ROPS (ISO 3471: 2008), FOPS (ISO 3449: 2008 LEVEL II): multi-plane isolation mounted for noise, vibration reduction••Rubber floor mat••••Seat•••••Stearing system•••••Wheel steering•••••Stearing system•••••Wheel steering system•••••Up holder••••••Document holder••••••Document holder••••••••••••••••••••••••••••••••	Camera and monitor		
Coat hook••••Evacuation hammer••••Front/rear defroster••••Glove compartment••••LED room light••••Payload checker with tip-off function••••Rear obstacle detection system••••Rear view mirrors••••Inside (1)••••Standard outside mirrors••••Premium Outside (heated, 2) electrical adjustment with proximity••••ROPS (ISO 3471: 2008), FOPS (ISO 3449: 2008 LEVEL II): multi-plane isolation mounted for noise, vibration reduction••Rubber floor mat••••••Seat••••••Heavy duty air suspension seat equipped with horizontal suspension headrest and heater: fabric, high back, adjustable for damper, inclinnation of the seat, seat depth, weight-height, fore-aft position, reclining angle, armrest angle, headrest height and angle, lumbar support••Seat••••••Storage••••••Cup holder••••••Document holder••••••Hot and cool box••••••Seatback pocket••••••Seatback pocket••••••Seatback pocket••••••Seatback pocket••••••Seatback pocket••••••Seatback pocket••••••Seatback pocket•• <td< td=""><td>AERIAL ANGLE (Side and rear view camera)</td><td>0</td><td>0</td></td<>	AERIAL ANGLE (Side and rear view camera)	0	0
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Front/rear defroster●●Glove compartment●●LED room light●●Payload checker with tip-off function●●Rear obstacle detection system●●Rear view mirrors●●Inside (1)●●Standard outside mirrors●●Premium Outside (heated, 2) electrical adjustment with proximity●●Retractable seat belt, 3.0 in (76 mm)●●ROPS (ISO 3471: 2008), FOPS (ISO 3449: 2008 LEVEL II): multi-plane isolation mounted for noise, vibration reduction●Rubber floor mat●●Seat●●Seat●●Seat●●Seat●●Seat●●Stardard outside maper, inclination of the seat, seat depth, weight-height, fore-aft position, reclining angle, armrest angle, headrest height and angle, lumbar support●Seat belt reminder●●Storage●●Cup holder●●Document holder●●Hot and cool box●●Seatback pocket●●Seatback pocket●●Seatback pocket●●Sunscreen roller type●●Thet safety glass●●Front windshield: laminated●●Others: tempered●●USB power supply●●Windshield washer front and rear●● </td <td>Coat hook</td> <td>•</td> <td>•</td>	Coat hook	•	•
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Payload checker with tip-off function•Rear obstacle detection system•Rear view mirrors•Inside (1)•Standard outside mirrors•Premium Outside (heated, 2) electrical adjustment with proximity•O•Retractable seat belt, 3.0 in (76 mm)•RoPS (ISO 3471: 2008), FOPS (ISO 3449: 2008 LEVEL II): multi-plane isolation mounted for noise, vibration reduction•Rubber floor mat•Seat•Heavy duty air suspension seat equipped with horizontal suspension headrest and heater: fabric, high back, adjustable for damper, inclination of the seat, seat depth, weight-height, fore-aft position, reclining angle, armrest angle, headrest height and angle, lumbar support•Steat••Stearing system••Wheel steering••Storage••Cup holder••Document holder••Hot and cool box••Seatback pocket••Sunscreen roller type••Tinted safety glass••Front windshield: laminated••Others: tempered••USB power supply••Windshield washer front and rear••Inted safety fight washer front and rear••	Glove compartment	•	•
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Standard outside mirrors••Premium Outside (heated, 2) electrical adjustment with proximityooRetractable seat belt, 3.0 in (76 mm)••ROPS (ISO 3471: 2008), FOPS (ISO 3449: 2008 LEVEL II): multi-plane isolation mounted for noise, vibration reduction••Rubber floor mat•••Seat••Heavy duty air suspension seat equipped with horizontal suspension headrest and heater: fabric, high back, adjustable for damper, inclination of the seat, seat depth, weight-height, fore-aft position, reclining angle, armrest angle, headrest height and angle, lumbar support••Seat belt reminder•••Storage•••Cup holder•••Document holder•••Hot and cool box•••Seatsback pocket•••Sunscreen roller type•••Tinted safety glass•••Front windshield: laminated•••USB power supply•••Windshield washer front and rear••	Rear view mirrors		
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Cup holder•Document holder•Hot and cool box•Seatback pocket•Smartphone and Tablet device holder•Sunscreen roller type•Textured steering wheel with spinner knob•Tinted safety glass•Front windshield: laminated•Others: tempered•USB power supply•Windshield washer front and rear•	Wheel steering	•	•
Document holderImage: Constraint of the sector	Storage		
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Textured steering wheel with spinner knob•Tinted safety glassFront windshield: laminated•Others: tempered•USB power supply•Windshield washer front and rear•	Smartphone and Tablet device holder	•	•
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Front windshield: laminated • Others: tempered • USB power supply • Windshield washer front and rear •	Textured steering wheel with spinner knob	•	•
Others: tempered●USB power supply●Windshield washer front and rear●	Tinted safety glass		
USB power supply Windshield washer front and rear	Front windshield: laminated	•	•
Windshield washer front and rear	Others: tempered	•	•
	USB power supply	•	•
Windshield wipers front and rear	Windshield washer front and rear	•	•
	Windshield wipers front and rear	•	•
2 speakers • •	2 speakers	•	•
8 inch sub monitor • •	8 inch sub monitor	•	•

MONITORING SYSTEM	ZW180-7	ZW180PL-7
Gauge: coolant temperature, fuel level, transmission oil temperature	•	•
Indicator lights: clearance lights, control lever lock, fuel level, high beam, parking brake, preheat, turn signals, work lights, fan reverse indicator, seat belt indicator	•	•
Indicator on multifunction monitor: F-N-R shift position, gear shift position, clock, DEF alarm indicator, DEF level gauge, ECO indicator, forward/reverse selector switch indicator, hold display, hour meter, odometer, battery volt, speedometer, tachometer, transmission auto-shifting indicator, Warning lights: air filter restriction, brake oil low pressure, communication system error, discharge warning, engine oil low pressure, engine warning, hydraulic oil level, low steering oil pressure, overheat, transmission warning	•	•
Indicator on sub monitor: payload checker (excluding PL), dual auto-leveler indicator rear obstacle detection and warning system (optional)	•	•
38 languages selection	•	•

ELECTRICAL SYSTEM	ZW180-7	ZW180PL-7
Alternator (95 A)	•	٠
Backup alarm	•	•
Battery disconnect switch	•	•
Large capacity batteries	•	•
Power outlet 12 V and 24 V	•	•

LIGHTS	ZW180-7	ZW180PL-7
Clearance lights	•	•
LED brake and tail lights	•	•
LED headlights	•	•
Rotating lamp	0	0
Turn signals with hazard switch	•	•
Work lights		
premium work light package 4 front, 2 rear on cab and 2 rear LED working lights	•	•

POWER TRAIN	ZW180-7	ZW180PL-7
Approach speed control	•	•
Automatic transmission with load sensing system	•	•
Clutch cut position switch	•	•
Differential		
LSD (limited slip differential, front and rear)	•	•
Driving speed limiter 12.4 mph (20 km/h)	0	0
DSS (down shift switch)	•	•
Forward/reverse lever	•	•
Maximum gear limited switch	•	•
Power mode switch	•	•
Quick power switch	•	•
Travel mode selector (auto1-auto2)	•	•

•: Standard equipment O: Optional equipment

TIRES	ZW180-7	ZW180PL-7
20.5R25 (L3) VJT	•	•

MISCELLANEOUS	ZW180-7	ZW180PL-7
Articulation lock bar	•	•
Auto lubrication system	0	0
Belly guard (bolt on type) (front/rear)	0	0
Bucket cylinder guard	0	0
Cab top rail		
Front rail on the cab top	•	•
Rear rail on the cab top	•	•
Counterweight, built-in	•	•
Drawbar with locking pin	•	•
Emergency steering	0	0
Fenders		
for 20.5 R25 (front and half rear fenders with mud flaps)	•	•
for 20.5 R25 (front and full covered rear fenders with mud flaps)	0	0
Global e-Service	•	•
Lift and tie down hooks	•	•
Lift arm		
High lift arm	0	-
Parallel lift arm	-	•
Standard lift arm	•	-
On board information controller	•	•
Vandal Protection		
Battery cover with locking bracket	•	•
Lockable engine cover	•	•
Lockable fuel refilling cap	•	•
Quick coupler	0	0
Radiator dust protection screen	0	0
Standard tool kit	•	•
Tool box	•	•







With manufacturing facilities in Banshu, Ryugasaki, Tierra, Hitachinaka, and Tsuchiura, Japan, and the U.S. corporate office and campus in Newnan, Georgia, Hitachi Construction Machinery Americas Inc. (HCMA) has the experience and technology to design, engineer, manufacture, and service your Hitachi construction machinery. The HCMA team is securely poised as your go-to source in the North American and Latin American construction machinery markets.

Through our long-term commitment to maintaining a leadership position in technology, service, and support, HCMA supports an extensive network of independent, local dealers focused on providing you with knowledgeable and experienced sales, service, and parts personnel — all backed by dedicated HCMA support teams.

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