ZW180-7 technical data

Preliminary specifications - subject to change

121	мы	V =
		N I =

 Model
 CUMMINS B6.7

 Type
 4-cycle water-cooled, direct injection

 Aspiration
 Turbocharger and intercooled

 Aftertreatment
 DPF and SCR system

 No. of cylinders
 6

 Maximum power
 ECE R120, gross
 129 kW (173 hp) at 2 200 min⁻¹ (rpm)

 ISO 9249: 2007, net
 125 kW (168 hp) at 2 200 min⁻¹ (rpm)

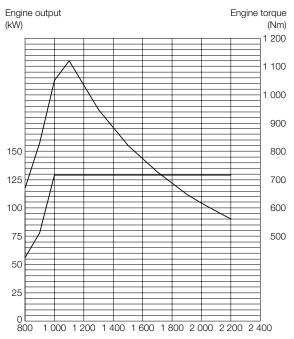
 Rated power
 ISO 14396: 2002
 129 kW (173 hp) at 2 200 min⁻¹ (rpm)

ISO 9249: 2007, net 125 kW (168 hp) at 2 200 min⁻¹ (rpm)

Bore and stroke 107 mm X 124 mm

Piston displacement 6.69 L Batteries 2 x 12 V

Air cleaner Two element dry type with restriction indicator



Engine speed (min-1)

POWER TRAIN

1 OWEN TIDAN	
Transmission	Torque converter, countershaft type powershift 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 / Re	verse
1st	5.9 / 6.2 km/h (6.3 / 6.6 km/h)
2nd	11.5 / 12.1 km/h (12.2 / 12.9 km/h)
3rd	17.5 / 26.5 km/h (18.5 / 28.3 km/h)
4th	25.3 km/h (27 km/h)
5th	39 km/h (39 km/h)
*With 20.5 R25 (L3) tires	
(): Data at Power Mode	

AXLE AND FINAL DRIVE

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

TIRES

Tire size	20.5R25 (L3)
Optional	Refer to standard & optional equipment list

BRAKES

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

STEERING SYSTEM

Type	Articulated frame steering
Steering angle	Each direction 40°; total 80°
Cylinders	Double-acting piston type
No. x Bore x Stroke	2 x 70 mm x 442 mm

HYDRAULIC SYSTEM

Arm and bucket are controlled by multifunction lever Arm controls Four position valve; Raise, hold, lower, float Bucket controls with automatic bucket return-to-dig control Three position valve; Roll back, hold, dump
Main pump (Serve as steering pump)
Fan pump
Hydraulic cylinders
Type Double acting type
No. x Bore x Stroke Arm : 2 x 125 mm x 765 mm
Bucket : 1 x 150 mm x 495 mm
Filters Full-flow 15 micron return filter in reservoir
Hydraulic cycle times
Lift arm raise 5.3 s
Lift arm lower 3.7 s
Bucket dump 1.1 s
Total 10.1 s
*Data at Power Mode

ENVIROMENT

Engine Emissions

EU Stage V

Sound level

External sound level according To ISO 6395: 2008	105 LwA dB(A)
Sound level in cabin according to ISO 6396: 2008	68 LpA dB(A)

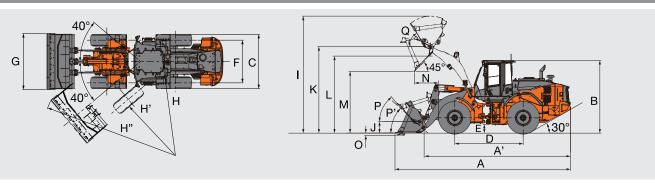
Air Conditioning System

The air conditioning system contains fluorinated greenhouse gases. Refrigerant type: HFC-134a, GWP: 1430, Amount: 0.75±0.05kg, CO2e: 1.07±0.07ton.

SERVICE REFILL CAPACITIES	
Fuel tank	230 L
Engine coolant	25 L
Engine oil	25 L
Torque convertor & transmission	30 L
Front axle differential & wheel hubs	31 L
Rear axle differential & wheel hubs	34 L
Hydraulic oil tank	
DEF/AdBlue® tank	25 L



DIMENSIONS & SPECIFICATIONS

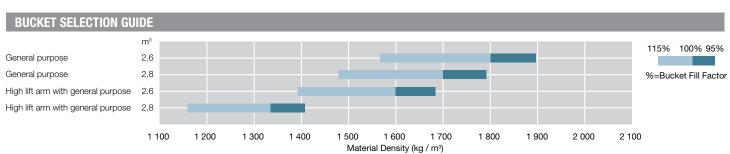


		Standard arm				High-I	ift arm		
Bucket type				General	purpose	High volume	General	purpose	
			Weld-on teeth	Bolt-on cutting edge	Weld-on teeth	Bolt-on cutting edge	Bolt-on cutting edge	Bolt-on cu	tting edge
Bucket capacity	ISO 7546: 1983 Heaped	d m³	2.6	2.6	2.8	2.8	5.2	2.6	2.8
Bucket Capacity	ISO 7546: 1983 Struck	m³	2.2	2.2	2.4	2.4	4.4	2.2	2.4
A Overall length		mm	8 085	7 975	8 135	8 025	8 430	8 470	8 520
A' Overall length (Without Buck	et)	mm	6 725	6 725	6 725	6 725	6 725	7 225	7 225
B Overall height	up to cab top	mm	3 310	3 310	3 310	3 310	3 310	3 310	3 310
C Width over tires	outside tire	mm	2 505	2 505	2 505	2 505	2 505	2 505	2 505
D Wheel base		mm	3 100	3 100	3 100	3 100	3 100	3 100	3 100
E Ground clearance	Minimum	mm	400	400	400	400	400	400	400
F Tread		mm	1 930	1 930	1 930	1 930	1 930	1 930	1 930
G Bucket width		mm	2 535	2 535	2 535	2 535	2 950	2 535	2 535
H Turning radius (Centerline of	outside tire)	mm	5 235	5 235	5 235	5 235	5 235	5 235	5 235
H' Turning radius to inside of tire	es	mm	2 995	2 995	2 995	2 995	2 995	2 995	2 995
H" Loader clearance radius, but	cket in carry position	mm	6 145	6 115	6 160	6 130	6 420	6 330	6 345
I Overall operating height	bucket full raise	mm	5 280	5 280	5 345	5 345	5 840	5 685	5 750
J Carry height of bucket pin	at carry position	mm	400	400	400	400	400	400	400
K Height to bucket hinge pin, for	ully raised	mm	3 925	3 925	3 925	3 925	3 925	4 335	4 335
L Lift arm clearance at max. lift		mm	3 670	3 645	3 670	3 645	3 650	4 055	4 055
M Dumping clearance 45 deg,	full height	mm	2 710	2 785	2 675	2 750	2 465	3 190	3 155
N Reach 45 deg dump, full heigh	ght	mm	1 205	1 095	1 240	1 130	1 415	1 245	1 280
O Digging depth (Horizontal dig	gging angle)	mm	70	95	70	95	95	170	170
P Max. roll back at carry position	on	deg	47	47	47	47	47	47	47
P' Max. roll back at ground leve	el	deg	43	44	43	44	44	45	45
Q Roll back angle at full height		deg	60	60	60	60	60	53	53
Static tipping load ISO 14397-1:	Straight	kg	12 570	12 440	12 570	12 450	12 040	9 790	9 780
2007(Section 1-5) *	Full turn	kg	10 880	10 750	10 870	10 750	10 330	8 410	8 400
Breakout force		kN	128	117	122	112	81	107	103
		kgf	13 010	11 920	12 430	11 410	8 300	10 940	10 470
Operating weight * (With ROPS / F	OPS Cab)	kg	14 950	15 040	14 960	15 080	15 470	15 240	15 270

Note

WEIGHT CHANGE

Onking them		Operating weight	Tipping load (kg)		Overall width (mm)	Overall height	Overall length
Option	Option item		Straight	Full turn	(outside tire)	(mm)	(mm)
	20.5R25(L3) XHA2	±0	±0	±0	±0	±0	±0
Tire	20.5R25(L5) XLDD2A	+460	+370	+320	+15	+25	-20
	20.5R25(L5) XMINED2 PRO	+620	+490	+430	+10	+35	-30
	20.5R25(L2) XSNOPLUS	+70	+70	+60	+5	-10	+5
	20.5R25(L3) VJT	+10	+30	+30	-5	-5	±0
	20.5R25(L3) TL-3A+	+150	+140	+120	+10	-5	±0
Belly guard		+165	+120	+110	±0	±0	±0



^{**} 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.





Reliable solution:

ENGINE	
Aftertreatment device	•
Air filter double elements	•
Air intake	
Pre-cleaner (Sy-Klone type)	•
Pre-cleaner (Turbo II)	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 reserver 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	
Front & rear independent brake circuit	•
Inboard mounted fully hydraulic 4 wheel wet disc	•
Spring applied/Hydraulic-released parking brake	•
HYDRAULIC SYSTEM	
Bucket auto leveler (Automatic return to dig control)	•
Control lever lock switch	•

Fro	nt & rear independent brake circuit	•
Inbo	pard mounted fully hydraulic 4 wheel wet disc	•
Spr	ing applied/Hydraulic-released parking brake	•
Н	IYDRAULIC SYSTEM	
Buc	cket auto leveler (Automatic return to dig control)	•
Cor	ntrol lever lock switch	•
Dua	al lift arm auto leveler and kickout system	•
Elec	ctric control lever	
	for 3 spools control valve	
	MF lever & Proportional switch for 3rd function	•
	2 levers & AUX lever for 3rd function - Inside layout pattern (3rd - bucket - liftarm)	0
	for 4 spools control valve	
	MF lever & 2 Proportional switch for 3rd & 4th function	0
	2 levers & AUX lever for 3rd function & Proportional switch for 4th function - Inside layout pattern (4th - 3rd - bucket - liftarm)	0
Нус	draulic filters	•
Lift	arm float system	•
Res	ervoir sight gauge	•
Rid	e control system (OFF-AUTO type)	•
Qui	ck coupler piping and switch	0
Wo	rk mode selector	•

Adjustable steering column with POP-UP Auto control air conditioner with double intake filters Pre-cleaner for air conditioner OPP-UP Auto control air conditioner with double intake filters Pre-cleaner for air conditioner Bluetooth® integrated DAB+radio, hands-free calling Camera & monitor Rear view camera & monitor Aerial Angle® (Side and rear view camera) OPP-UP Aerial Angle	● Standard equipmentO Optional eq	uipment
Auto control air conditioner with double intake filters Pre-cleaner for air conditioner Bluetooth® integrated DAB+radio, hands-free calling Camera & monitor Rear view camera & monitor Aerial Angle® (Side and rear view camera) Coat hook Evacuation hammer Front/Rear defroster Glove compartment LED room light Payload checker with tip-off function Rear view mirrors Inside (1) Outside (Heated, 2) electrical adjustment with proximity Retractable seat belt, 50 mm POPS (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, armest angle, headrest height and angle, lumbar support Seat belt reminder © Stoerage Cup holder Document holder Hot & cool box Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield Q 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 Windshield washer front and rear Windshield washer front and rear Windshield wipers front and rear Binch sub monitor	CAB	
with double intake filters Pre-cleaner for air conditioner O Bluetooth [®] integrated DAB+radio, hands-free calling Camera & monitor Rear view camera & monitor Aerial Angle [®] (Side and rear view camera) O Coat hook Evacuation hammer Front/Rear defroster Glove compartment LED room light Payload checker with tip-off function Rear obstacle detection system O Rear view mirrors Inside (1) Outside (Heated, 2) electrical adjustment with proximity Retractable seat belt, 50 mm POPS (ISO 3471:2008), FOPS (ISO 3449:2008 LEVEL II): multi-plane isolation mounted for noise, vibration reduction Reat year year and heater: fabric, flore-ait position, reclining angle, armest angle, headrest height and angle, lumbar support Seat belt reminder Steering system Wheel steering Storage Cup holder Document holder Hot & cool box Seatback pocket	Adjustable steering column with POP-UP	•
Pre-cleaner for air conditioner Pre-cleaner for air conditioner O	Auto control air conditioner	
Bluetooth® integrated DAB+radio, hands-free calling Camera & monitor Rear view camera & monitor Aerial Angle® (Side and rear view camera) O Coat hook Evacuation hammer Front/Rear defroster Glove compartment LED room light Payload checker with tip-off function Rear obstacle detection system O Rear view mirrors Inside (1) Outside (Heated, 2) electrical adjustment with proximity Retractable seat belt, 50 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-at position, reclining angle, armrest angle, headrest height and angle, lumbar support Seat belt reminder Steering system Wheel steering Cup holder Document holder Hot & cool box Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield O 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 Windshield wipers front and rear	with double intake filters	•
Camera & monitor Rear view camera & monitor Aerial Angle® (Side and rear view camera) Cat hook Evacuation hammer Front/Rear defroster Glove compartment LED room light Payload checker with tip-off function Rear obstacle detection system ORear view mirrors Inside (1) Outside (Heated, 2) electrical adjustment with proximity Retractable seat belt, 50 mm ROPS (ISO 3471:2008), FOPS (ISO 3449:2008 LEVEL II): multi-plane isolation mounted for noise, vibration reduction Reats 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 Sate belt reminder Steering system Whoel steering Cup holder Document holder Hot & cool box Seatback pocket Smartphone and Tablet device holder Front windshield: laminated Others: tempered USB power supply Windshield washer front and rear Windshield wipers front and rear	Pre-cleaner for air conditioner	0
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Rear view mirrors Inside (1)	Payload checker with tip-off function	•
Inside (1) Outside (Heated, 2) electrical adjustment with proximity Retractable seat belt, 50 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 Steering system Wheel steering Cup holder Document holder Hot & cool box Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield Ounscreen roller type Textured steering wheel with spinner knob Tinted safety glass Front windshield: laminated Others: tempered USB power supply Windshield washer front and rear Windshield wipers front and rear Windshield wipers front and rear 8 inch sub monitor	Rear obstacle detection system	0
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Retractable seat belt, 50 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 Steering system Wheel steering Cup holder Document holder Hot & cool box Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield OSunscreen roller type Textured steering wheel with spinner knob Tinted safety glass Front windshield: laminated Others: tempered USB power supply Windshield washer front and rear Windshield wipers front and rear 8 inch sub monitor	Inside (1)	•
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 Steering system Wheel steering Cup holder Document holder Hot & cool box Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield Osunscreen roller type Textured steering wheel with spinner knob Tinted safety glass Front windshield: laminated Others: tempered USB power supply Windshield washer front and rear Windshield wipers front and rear 8 inch sub monitor	Outside (Heated, 2) electrical adjustment with proximity	•
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 Steering system Wheel steering Cup holder Document holder Hot & cool box Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield Osunscreen roller type Textured steering wheel with spinner knob Tinted safety glass Front windshield: laminated Others: tempered USB power supply Windshield washer front and rear 8 inch sub monitor	·	•
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		•
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 Steering system Wheel steering Cup holder Document holder Hot & cool box Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield Osunscreen roller type Textured steering wheel with spinner knob Tinted safety glass Front windshield: laminated Others: tempered USB power supply Windshield washer front and rear Windshield wipers front and rear Windshield wipers front and rear 8 inch sub monitor	Rubber floor mat	•
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 Steering system Wheel steering Cup holder Document holder Hot & cool box Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield Osunscreen roller type Textured steering wheel with spinner knob Tinted safety glass Front windshield: laminated Others: tempered USB power supply Windshield washer front and rear Windshield wipers front and rear Windshield wipers front and rear 8 inch sub monitor	Seat	
Steering system Wheel steering Cup holder Document holder Hot & cool box Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield Osunscreen roller type Textured steering wheel with spinner knob Tinted safety glass Front windshield: laminated Others: tempered USB power supply Windshield washer front and rear Windshield wipers front and rear Windshield wipers front and rear B inch sub monitor	headrest and heater: fabric, high back, adjustable for damper, inclination of the seat, seat depth, weight-height, fore-aft position, reclining angle,	•
Wheel steering Storage Cup holder Document holder Hot & cool box Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield Osunscreen roller type Textured steering wheel with spinner knob Tinted safety glass Front windshield: laminated Others: tempered USB power supply Windshield washer front and rear Windshield wipers front and rear 8 inch sub monitor	Seat belt reminder	•
Storage Cup holder Document holder Hot & cool box Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield Osunscreen roller type Textured steering wheel with spinner knob Tinted safety glass Front windshield: laminated Others: tempered USB power supply Windshield washer front and rear Windshield wipers front and rear 8 inch sub monitor	Steering system	
Cup holder Document holder Hot & cool box Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield Osunscreen roller type Textured steering wheel with spinner knob Tinted safety glass Front windshield: laminated Others: tempered USB power supply Windshield washer front and rear Windshield wipers front and rear 8 inch sub monitor	Wheel steering	•
Document holder Hot & cool box Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield O 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 Windshield wipers front and rear 8 inch sub monitor	Storage	
Hot & cool box Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield O 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 Windshield wipers front and rear Windshield wipers front and rear 8 inch sub monitor	Cup holder	•
Seatback pocket Smartphone and Tablet device holder Sun shade film on front windshield O 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 Windshield wipers front and rear 8 inch sub monitor	Document holder	•
Smartphone and Tablet device holder Sun shade film on front windshield O 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 Windshield wipers front and rear 8 inch sub monitor	Hot & cool box	•
Sun shade film on front windshield 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 Windshield wipers front and rear 8 inch sub monitor	Seatback pocket	•
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 Windshield wipers front and rear 8 inch sub monitor	Smartphone and Tablet device holder	•
Textured steering wheel with spinner knob Tinted safety glass Front windshield: laminated Others: tempered USB power supply Windshield washer front and rear Windshield wipers front and rear 8 inch sub monitor	Sun shade film on front windshield	0
Tinted safety glass Front windshield: laminated Others: tempered USB power supply Windshield washer front and rear Windshield wipers front and rear 8 inch sub monitor	Sunscreen roller type	•
Front windshield: laminated Others: tempered USB power supply Windshield washer front and rear Windshield wipers front and rear 8 inch sub monitor •	Textured steering wheel with spinner knob	•
Others: tempered USB power supply Windshield washer front and rear Windshield wipers front and rear 8 inch sub monitor	Tinted safety glass	
USB power supply Windshield washer front and rear Windshield wipers front and rear 8 inch sub monitor •	Front windshield: laminated	•
Windshield washer front and rear Windshield wipers front and rear 8 inch sub monitor	Others: tempered	•
Windshield wipers front and rear 8 inch sub monitor •	USB power supply	•
8 inch sub monitor	Windshield washer front and rear	•
	Windshield wipers front and rear	•
2 speakers •	8 inch sub monitor	•
	2 speakers	•

HITACHI



MONITORING SYSTEM	
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, dual auto-leveler indicator rear obstacle detection and warning system (optional)	•
38 languages selection	•
ELECTRICAL SYSTEM	
Alternator (95A)	•
Backup alarm	•
Battery disconnect switch	•
Large capacity batteries	•
Power outlet 12 V and 24 V	•
LIGHTS	
Clearance lights	•
LED brake & tail lights	•
LED headlights	•
Rotating lamp	0
Turn signals with hazard switch	•
Work lights	
2 front on cab & 2 rear LED working lights	•
2 front on cab & 2 rear LED working lights (High brightness)	0
4 front, 2 rear on cab & 2 rear LED working lights	0
4 front, 2 rear on cab & 2 rear LED working lights (High brightness)	0
POWER TRAIN	
Aftertreatment manual regeneration inhibit switch	•
Aftertreatment manual regeneration switch	•
Approach speed control	•
Automatic transmission with load sensing system	•
Clutch cut position switch	•
Differential	
LSD (Limited Slip Differential, front and rear)	0
TPD (Torque Proportioning Differential, front and rear)	•
Driving speed limiter (20 km/h)	0
DSS (Down Shift Switch)	•
Forward/Reverse lever	•
Forward/Reverse selector switch	•
Maximum gear limited switch	•

	Reliable sol
TIRES	
20.5R25 (L3) XHA2	•
20.5R25 (L5) XLDD2A	C
20.5R25 (L5) XMINED2 PRO	C
20.5R25 (L2) XSNOPLUS	C
20.5R25 (L3) VJT	С
20.5R25 (L3) TL-3A+	С
MISCELLANEOUS	
Articulation lock bar	•
Auto lubrication system	C
Belly guard (Bolt on type) (front / rear)	C
Bucket cylinder guard	C
Cab top rail	
Front rail on the cab top	•
Rear rail on the cab top	•
Counterweight, built-in	•
Cutting edge protection	C
Drawbar with locking pin	•
Emergency steering	•
Fenders	
for 20.5 R25 (Front & full covered rear fenders with mud flap	os) •
Global e-Service	•
Lift arm	
Standard lift arm	•
High lift arm	С
Parallel lift arm	С
Lift & tie down hooks	•
On board information controller	•

Power mode switch Quick power switch

Travel mode selector (Auto1-Auto2)