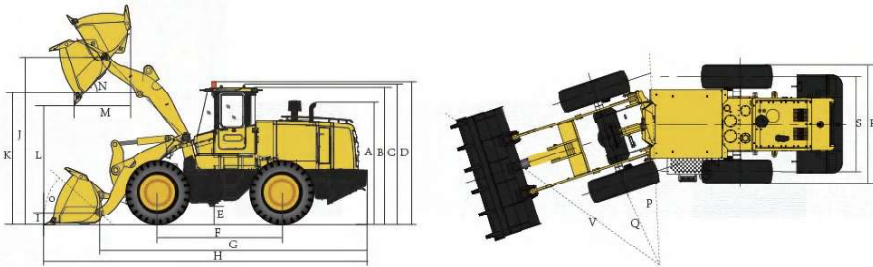


DIMENSIONS

DIMENSIONS

All dimensions are approximate.



Description		ZL30H	ZL50T	ZL50H	ZL50Z	ZL60H	ZL80H
		mm	mm	mm	mm	mm	mm
A	Height to top of exhaust pipe	2,677	3,320	2,750	2,750	3,355	3385
B	Height to top of cabin	3,136	3,450	3,450	3,450	3,500	3,710
C	Height to top of product link antenna	3,181	3,440	3,499	3,499	3,550	3710
D	Height to top of warning beacon	3,210	3,520	3,579	3,579	3,650	3780
E	Ground clearance	360	450	450	450	498	495.5
F	Wheel base	2,750	3,100	3,300	3,300	3,300	3,400
G	Overall length (without bucket)	6,090	7,025	7,134	7,134	7,195	7406
H	Shipping length (with bucket level on ground)	7,100	8,015	8,390	8,120	8,714	8,696
I	Hinge pin height at carry position	196	260	260	260	240	240
J	Hinge pin height at maximum lift	3,786	4,135	4,135	4,135	4,441	4301
K	Lift arm clearance at maximum lift	3,274	3,627	3,627	3,627	3,751	3723
L	Dump clearance at maximum lift and 45° discharge	2,934	3,136	3,136	3,136	3,393	3,320
M	Reach at maximum lift and 45° discharge	1,043	1,171	1,121	1,121	1,365	1,275
N	Dump angle at maximum lift and dump (on stops)	45	44	44	44	45	45
O	Roll back angle	Ground	45	43	43	45	45
		Carry	45	50	50	45	45
P	Clearance circle (diameter) to outside of tyres	5,110	5,820	6,098	6,238	6,350	6,486
Q	Clearance circle (diameter) to inside of tires	2,905	3,026	3,305	3,435	3,340	5,811
R	Width over tires (unloaded)	2,035	2,793	2,793	2,807	2,965	3,099
S	Tread width	1,055	2,190	2,190	2,190	2,370	2,350

ENGINE OPTION

	Engine	Model	Rated output	Rated speed	Displacement	Peak gross torque
ZL30H	CUMMINS	6BT5.9-C130	97kW	2200rpm	5.9L	440N.m
	WEICHAI	WP6G125E22	92kW	2200rpm	6.75L	550N.m
ZL50T	WEICHAI	WD10G220E23	162kW	2000rpm	9.726L	900N.m
ZL50H	CUMMINS	6LTAA9.3-C220	162kW	2000rpm	9.3L	940N.m
	SHANGCHAI	SC11CB220G2B1	162kW	2000rpm	10.5L	920N.m
ZL50Z	CUMMINS	6LTAA9.3-C220	162kW	2000rpm	9.3L	940N.m
	SHANGCHAI	SC11CB220G2B1	162kW	2000rpm	10.5L	920N.m
ZL60H	SHANGCHAI	SC11CB240.1G2B1	175kW	2200rpm	10.5L	912N.m
ZL80H	CUMMINS	QSM11	216kW	2100rpm	10.8L	1478N.m
	WEICHAI	WP12G310E302	226kW	2100rpm	11.596L	1450N.m

Item		ZL30H	ZL50T	ZL50H	ZL50Z	ZL60H	ZL80H
Engine system	Low temperature start	○	○	○	○	○	○
	Oil bath air filter	○	○	○	○	○	○
	Enlarged radiator	—	○	—	—	—	—
Transmission system	NSK bear	○	—	—	—	—	—
Operating hydraulic system	Pilot operation	●	○	●	●	●	●
	Mechanical control	○	●	○	○	○	○
	Extra hydraulic line	○	○	○	○	○	○
	Hose protection	○	○	○	○	○	○
Working device	Standard arm	●	●	●	●	●	●
	Extended arm	○	○	○	○	○	○
	Standard bucket	●	●	●	●	●	●
	Specialized bucket	○	○	○	○	○	○
	Additional blade	○	○	○	○	○	○
	Clamp	○	○	○	○	○	○
	Quick-change device	○	○	○	○	○	○
Drive axle	Drive axle	●	●	●	●	●	●
	Wet brake drive axle	○	○	○	○	○	○
	Solid tire	○	○	○	○	○	○
	Vacuum tire	○	○	○	○	○	○
Cabin	A/C	●	○	●	●	●	●
	Heater	○	○	○	○	○	○
	ROPS	○	○	○	○	○	○
	Rear view camera	○	○	○	○	○	○
	Warning light	○	○	○	○	○	○
	Sunshade plate	○	○	○	○	○	○
	Fire extinguisher	○	○	○	○	○	○
	Automatic leveling/height limitation	○	○	○	○	○	○
	LED light	○	○	○	○	○	○
	Cab protection	○	○	○	○	○	○

*●: Standard ○: Optional

OPTIONAL ATTACHMENT



Item			ZL30H	ZL50T	ZL50H	ZL50Z	ZL60H	ZL80H
Specification	Rated load		3000kg	5000 kg	5000 kg	5000 kg	6000kg	7500kg
	Rated bucket capacity		1.7m³	3.0m³	3.0m³	3.0m³	3.7m³	4.2m³
	Operating weight		10200kg	16500kg	17300kg	17200kg	19500kg	23500kg
	Min. turning radius(outside of the tyre)		5185mm	5970 mm	6190 mm	6190 mm	6240mm	6486mm
	Turning angle of the chassis		38°	38°	38°	38°	38°	38°
Performance	Travelling speed (km/h)	Forward	7.8/14.7/23.5/41.2	11.7/40.3	6.8/10.8/32	6.8/13.3/25.2/39.6	6.78/13.24/24.38/37.45	7.4/12.4/25.9/37
		Reverse	10.8/31.6	15.9	8/14.3/34.1	7.1/14/26.5	7.15/13.93/28.45	7.4/12.4/25.9
	Max. tractive force		96kN	170kN	170kN	170kN	180kN	222kN
	Grade ability		30°	30°	30°	30°	25°	25°
	Total cycling time		≤10s	≤11s	≤11s	≤11s	≤11s	≤11s
	Steering angle		35°	38°	38°	38°	38°	39°
	Departure angle		25°	26°	30°	30°	26°	26°
	Tipping load		58.8kN	110kN	102kN	110kN	130kN	150kN
	Max.lifting force		90kN	165kN	165kN	170kN	190kN	227kN
	Bucket insertion force		24.6kN	39.8kN	42.53kN	45kN	44.88kN	50.76kN
Torque converter	Torque conversion factor		2.4	4	3.35	2.82	2.82	2.983
	Cooling method		oil-cooled	water-cooled	oil-cooled	air-cooled	air-cooled	oil-cooled
Transmission system	Type		3-elements single stage	4-elements single stage	3-elements single stage	3-elements single stage	3-elements single stage	3-elements single stage
			Power shift	Power shift	Power shift	Power shift	Power shift	Power shift
	Gear shift position		2F/1R	2F/1R	3F/3R	4F/3R	4F/3R	4F/3R
	Size of tire		17.5-25-12PR	23.5-25-16PR	23.5-25-16PR	23.5-25-16PR	23.5-25-20PR	26.5-25-20PR
Drive axle load distribution	Unloaded	Front axle load	4692kg	7890kg	7380kg	8200kg	9040kg	9620kg
		Rear axle load	5508kg	8930kg	8510kg	8700kg	9280kg	14220kg
	Full loaded	Front axle load	9372kg	16600kg	15960kg	16400kg	19560kg	21820kg
		Rear axle load	3828kg	5240kg	4380kg	5600kg	5460kg	9610kg
Reduction ratio	Main drive		3.889	4.625	4.625	4.625	4.875	4.777
	Wheel edge		4.941	4.929	4.929	4.929	4.94	5.167
Operating hydraulic system	System pressure		16MPa	18MPa	18MPa	18MPa	16MPa	21MPa
	Pump displacement		100ml/r	100ml/r	100ml/r	100ml/r	120ml/r	195ml/r
	Safety valve calibration pressure		16MPa	18MPa	18MPa	18MPa	20MPa	21MPa
	Pilot pressure		3.5MPa	3.5MPa	3.5MPa	3.5MPa	3.5MPa	3.5MPa
Steering system	System pressure		14MPa	16MPa	16MPa	16MPa	16MPa	17.5MPa
	Pump displacement		100ml/r	80ml/r	80ml/r	80ml/r	80ml/r	100ml/r
Braking system	Type of service brake		Caliper disc brake	Caliper disc brake	Caliper disc brake	Caliper disc brake	Caliper disc brake	Full hydraulic brake
	System pressure		0.7MPa	0.8MPa	0.7MPa	0.8MPa	0.78MPa	16MPa
	Type of parking brake		Clamp brake	Clamp brake	Caliper disc brake	Cutting-off air brake	Cutting-off air brake	Electric control brake
	Type of emergency brake		-	-	-	-	-	Lower pressure alarm brake
Oil capacity	Fuel		130L	280L	280L	280L	350L	423L
	Engine lubricating oil		13.5/17L	24L	24L	24L	24L	32L
	Oil for converter and gear box		35L	45L	45L	45L	35L	38L
	Oil for hydraulic system		120L	240L	230L	180L	245L	300L
	Oil for driving axles (F/R)		16/15L	18/18L	18/18L	18/18L	30/24L	51/51L