

WISASTA



**FULL RANGE OF
MINING MACHINERY**
全系列装载机

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INNOVATION LEADS TO VALUE

WISASTA
EN:202304

WTSL31W WHEEL LOADER

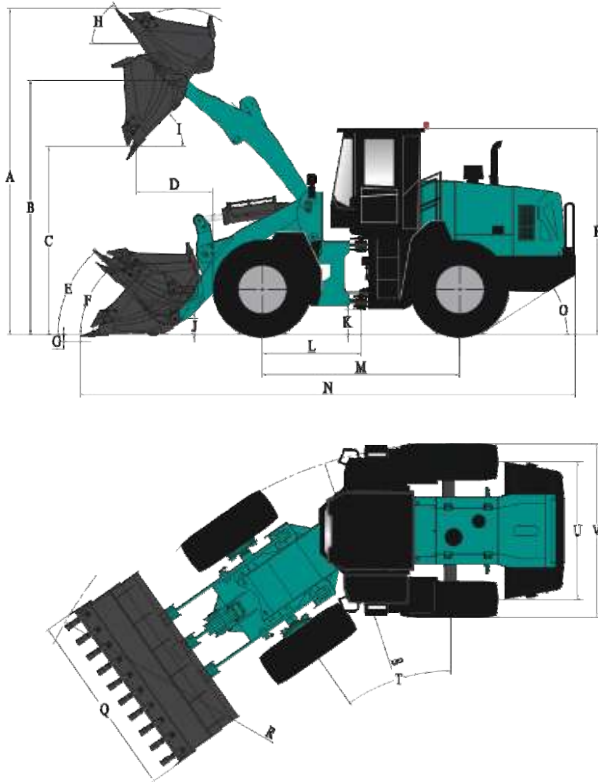
Rated power/speed:92kW/2200rpm Standard bucket capacity:1.7m³ Rated load capacity:3000kg



CONFIGURATION	OPTIONAL	
WEICHAH Engine (National II)	Cold start device	Goods Grapple
LONKING Transmission	Pilot work control	Electric Heating Rear Window
Flexible shaft control gear-shift	High Dump	Lockable Oil Tank Cap
LONKING Axles (Dry type)	Oil-bath Air Filter	Bucket(2.0m³)
Joystick Working Control	radial tire	Enlarged Bucket(2.3m³)
Flexible Shaft Controlled Caliper Brake	3rd Spool for Auxiliary Function	Coal Bucket(2.5m³)
ROPS&FOPS Cabin	Sliding Cabin Window	Bucket(3 Piece Cutting Edges)
Combination Instrument	Rear View Camera	Side Tip Bucket
Heater	Heating and cooling air conditioner	Quick Hitch Coupler
	Radio/MP3	Quick Hitch Bucket
	Log Grapple	Snow Blade(Quick Hitch Only)
	Grass Grapple	

TECHNICAL PARAMETERS

TECHNICAL PARAMETERS			
BASIC	Length, width and height	mm	7200(7450)x2500x3180
	Standard bucket capacity	m³	1.7
	Break-out force	KN	105(95)±3
	Traction force	KN	97±3
	Rated load capacity	kg	3000
	Operating weight of the vehicle	kg	10300(10500)±300
ENGINE	Manufacturer/model		WEICHAH/WP6G125E332
	Emission standard		National II
	Rated power/speed	KW/rpm	92kW/2200rpm
	Maximum torque/speed	N.m/rpm	540N.m/1400-1600rpm
	Number of cylinders/displacement	L	6/6.75L
	Generator	Amp	70
	Battery	Ah	2-24V/105Ah
	Starter motor	V	24V/6kW
DRIVE TRAIN	Transmission type		Countershaft Powershift
	Gearshift form		Flexible shaft control gear-shift
	Transmission pressure	Mpa	1.1-1.5MPa
	Torque converter form		Single-stage&turbine,3-element
	Drive axle		Rigid (Front)&Oscillating (Rear)
	Rear axle swing angle		±10°
	Primary reduction		Spiral Bevel,1-stage Reduction
	Hub reduction		Planetary Reduction
	Tire specification		17.5-25 L-3 12PR TT
	Travel speed - forward		6.5/12/32
BRAKE SYSTEM	Travel speed- reverse		6.8/12.5/33.5
	Travel brake		Single Circuit Caliper,Dry Brake
	Air pressure	Mpa	0.70-0.78MPa
	Parking brake		Flexible Shaft Controlled Caliper Brake
	Emergency brake		Flexible Shaft Controlled Caliper Brake
STEERING SYSTEM	Form		Hydraulic Load Sensing System
	Gear pump	L/min,prm	246L/min.2200prm
	System pressure	Mpa	14
	Steering cylinder form		Double Acting
	Steering angle		±35°
HYDRAULIC SYSTEM	Form		Mechanical work control
	Rate of flow	L/min,prm	246L/min.2200prm
	Distribution valve		2 Spool
	System pressure	Mpa	16
	Total	s	10.5
SERVICE REFILL CAPACITY	Fuel tank capacity	L	200L
	Hydraulic oil filling volume	L	200L
	Oil filling volume	L	17L
	Transmission oil filling volume	L	36L
	Front axle /rear axle	L	18.5L/18.5L



DESCRIPTION		UNIT	STANDARD/ HIGH-POSITION UNLOADING
A	Height (maximum lifting position of the bucket)	mm	4474/4766
B	Height of the lower pin of the moving arm from the ground	mm	3710/4064
C	Unloading height - 45° unloading angle	mm	2905/3250
D	Unloading distance - 45° unloading angle	mm	1095/1002
E	Bucket angle - transport position	°	46.3/46.6
F	Bucket angle - ground clearance position	°	40/40.9
G	Depth of excavation	mm	30-40/30-40
H	Bucket angle - maximum lifting position	°	50.7/47
I	Unloading angle of the bucket	°	46.6/45
J	Transport height	mm	400/400
K	Minimum ground clearance	mm	345/345
L	Front axle - dimensions of front and rear frame hinges	mm	1425/1425
M	Wheelbase	mm	2850/2850
N	Vehicle length	mm	7200/7450
O	Maximum permissible gradient	°	27/27
P	Vehicle height	mm	3180/3180
Q	Vehicle width - bucket	mm	2500/2500
R	Minimum turning radius - bucket	mm	6190/6280
S	Minimum turning radius - outside of tires	mm	5675/5675
T	Side-to-side steering angle	°	35/35
U	Wheel track	mm	1850/1850
V	Outer distance of tires	mm	2320/2320

All dimensions are approximate.Dimensions may vary with bucket and tire choice, Refer to operating specifications.

INNOVATION LEADS TO VALUE

WISASTA
EN:2024

WTSL51W WHEEL LOADER

- Rated power/speed:162kW/2200rpm
- Standard bucket capacity:2.7m³
- Rated load capacity:5000kg

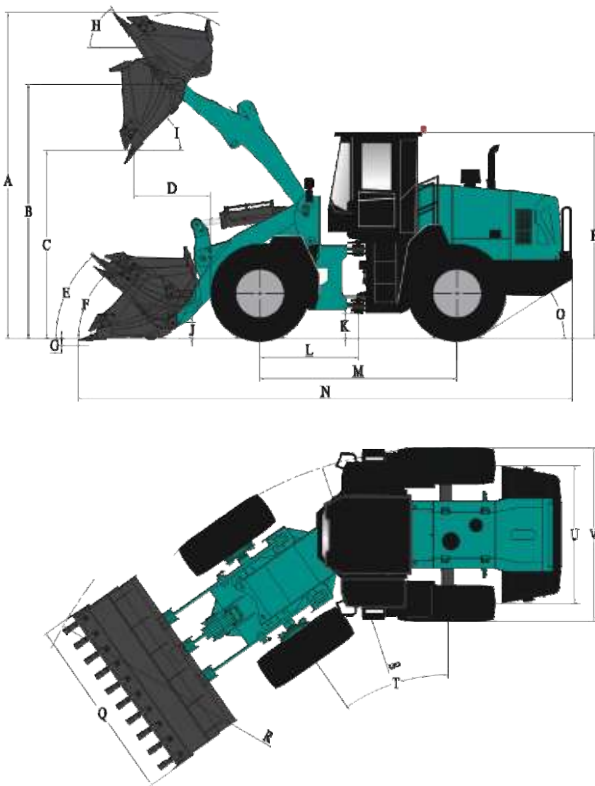


CONFIGURATION
WEICHAI Engine (National II)
LONKING Transmission
Mechanical Powershift Control
LONKING Axles (Dry type)
Joystick Working Control
Flexible Shaft Controlled Caliper Brake
ROPS&FOPS Cabin
Combination Instrument
Air Conditioner

OPTIONAL			
Cold start device	Rear View Camera	Lockable Oil Tank Cap	
Pilot work control	Heating and cooling air conditioner	Bucket(3 Piece Cutting Edges)	
High Dump	Radio/MP3	Russial bucke (3.0m³)	
Oil-bath Air Filter	Log Grapple	marble fork	
radial tire	Grass Grapple	Quick Hitch Coupler	
3rd Spool for Auxiliary Function	Goods Grapple	Quick Hitch Bucket	
Sliding Cabin Window	Electric Heating Rear Window	Quick Hitch Snow Shovels	

TECHNICAL
PARAMETERS

TECHNICAL PARAMETERS			
BASIC	Length, width and height	mm	7760x3000x3380
	Standard bucket capacity	m³	2.7
	Break-out force	KN	155±3
	Traction force	KN	155±3
	Rated load capacity	kg	5000
	Operating weight of the vehicle	kg	15800-300
ENGINE	Manufacturer/model	WEICHAI/WD10G220E21	
	Emission standard	National II	
	Rated power/speed	KW/rpm	162kW/2200rpm
	Maximum torque/speed	N.m/rpm	860N·m/1400-1600rpm
	Number of cylinders/displacement	L	6/9.726
	Generator	Amp	70
	Battery	Ah	2-24V/120Ah
	Starter motor	V	24V/7.5kW
DRIVE TRAIN	Transmission type	Planetary gearbox	
	Gearshift form	Flexible shaft control gear-shift	
	Transmission pressure	Mpa	1.2-1.5MPa
	Torque converter form	Single double turbine	
	Drive axle	Rigid (Front)&Oscillating (Rear)	
	Rear axle swing angle	±10°	
	Primary reduction	Spiral Bevel,1-stage Reduction	
	Hub reduction	Planetary Reduction	
	Tire specification	23.5-25L-316PR TT	
	Travel speed - forward	11.5/36km/h	
BRAKE SYSTEM	Travel brake	Single Circuit Caliper,Dry Brake	
	Air pressure	Mpa	0.70-0.78MPa
	Parking brake	Flexible Shaft Controlled Caliper Brake	
	Emergency brake	Flexible Shaft Controlled Caliper Brake	
STEERING SYSTEM	Form	Hydraulic Load Sensing System	
	Gear pump	L/min,prm	176L/min- 2200rpm
	System pressure	Mpa	15MPa
	Steering cylinder form	Double Acting	
	Steering angle	±35°	
HYDRAULIC SYSTEM	Form	Mechanical work control	
	Rate of flow	L/min,prm	220L/min.2200prm
	Distribution valve	2 Spool	
	System pressure	Mpa	16
	Total	s	11.5
SERVICE REFILL CAPACITY	Fuel tank capacity	L	280
	Hydraulic oil filling volume	L	245/250(3 Third pipeline)
	Oil filling volume	L	20
	Transmission oil filling volume	L	46
	Front axle /rear axle	L	28/28



	DESCRIPTION	UNIT	STANDARD
A	Height (maximum lifting position of the bucket)	mm	5210
B	Height of the lower pin of the moving arm from the ground	mm	4136
C	Unloading height - 45° unloading angle	mm	3078
D	Unloading distance - 45° unloading angle	mm	1190
E	Bucket angle - transport position	°	48.3
F	Bucket angle - ground clearance position	°	45
G	Depth of excavation	mm	45
H	Bucket angle - maximum lifting position	°	52.6
I	Unloading angle of the bucket	°	45
J	Transport height	mm	400
K	Minimum ground clearance	mm	556
L	Front axle - dimensions of front and rear frame hinges	mm	1120
M	Wheelbase	mm	2930
N	Vehicle length	mm	7760
O	Maximum permissible gradient	°	28.6
P	Vehicle height	mm	3380
Q	Vehicle width - bucket	mm	3000
R	Minimum turning radius - bucket	mm	6805
S	Minimum turning radius - outside of tires	mm	6182
T	Side-to-side steering angle	°	35
U	Wheel track	mm	2240
V	Outer distance of tires	mm	2835

All dimensions are approximate,Dimensions may vary with bucket and tire choice, Refer to operating specifications.