

AVAILABLE FOR
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ATS
EQUIPMENT INC.

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HITACHI ZW120

WHEEL LOADER



ZW-6 series

98 hp

Engine Power

2.0–2.4 yd³

Bucket ISO Heaped

18,563 lbs

Operating Weight

ATS EQUIPMENT INC.

Construction Equipment & Supplies

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BUCKET DATA

Bucket Capacity Heaped	(yd ³)	2
Maximum Dumping Clearance	ft-in	8' 10 1/2"
Dumping Reach	ft-in	3' 3 3/4"
Bucket Hinge Pin Height	ft-in	11' 8"
Breakout Force	lbs.	17,760
Bucket Tilt Back Angle (carry)	degrees	49
Length	ft-in	21' 3/4"
Height	ft-in	10' 6 3/8"
Width (outside tire)	ft-in	7' 5 3/8"
Width (outside bucket)	ft-in	8' 1/2"
Wheelbase	ft-in	8' 11 1/4"
Clearance Circle	ft-in	35' 7 1/2"
Minimum Ground Clearance	ft-in	1' 2 1/2"
Full Articulation Angle	degrees	40
Operating Weight	lbs.	18,563
Straight Tipping Load	lbs.	14,330
Full Turn Tipping Load	lbs.	12,367

ENGINE AND TRANSMISSION

Engine Make/Model	Deutz TCD36	
Horsepower	gross/net	98/95
Liter Engine	L	3.62
Number of Cylinders	#	4
Alternator Amps	amp.	80
Emission Level	design	Tier 4 Final
Tier 4 Technology		DOC/SCR
Transmission Type		Hydrostatic
Speeds Forward/Reverse	F/R	2F/2R

SYSTEM FILL CAPACITY

Engine Coolant Capacity (gal)	gal.	4.2
Fuel Tank Capacity (gal)	gal.	27.7
Axle Oil Capacity Front/Rear	gal.	3.7/3.7
Hydraulic Oil Capacity	gal.	13.2

HYDRAULICS/STEERING/AXLE SYSTEMS

Hydraulic Cycle Time	sec.	10.9
Main Hydraulic Pump Type	type	Gear
Differential Gear	type	Limited Slip
Linkage	type	Z Bar
Brake Location		Inboard

TIRES

Tires Std.	17.5 x 25-12PR (L3)
Tires Optional	17.5 R25 (L3)

Specifications based on ROPS Cab, Counterweight, GP BOCE Bucket, Material Density of 2800 cu.yds., Operator, Full Fuel and Lubricants, Standard Tire: 17.5 x 25-12PR (L3). Assembled in Japan.

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ENGINE

Air cleaner, double element
Cold start (glow plug)
Cooler, wide fin
Deutz TCD36 diesel engine
EGR system
Fuel filter (main), w/water separator
Fuel pre-filter, w/water separator
SCR system
Work mode selector

POWERTRAIN

Brakes, service
Enclosed wet disc
Dual system
Inboard mounted
Brake, parking
Spring applied
Oil pressure released
Wet disc type
Differential, torque proportioning (F/R)
Drive shafts, low maintenance
Hydrostatic transmission
Inching pedal
Maximum speed adjuster for 1st speed
Traction control

HYDRAULIC SYSTEM

Boom kick-out, dual (operator adjustable in cab)
Bucket positioner
Control lever, single, pilot-assisted
Control lever lock (electric)
Control valve, 3-spool ready, parallel control
Ride control w/load sensing valve and automatic shut-off
Quick coupler control, lines and controls
Pump, gear, fixed displacement
Steering, orbitrol

ELECTRICAL

24-volt electrical system
Back-up alarm
Battery disconnect switch
Converter, 12V/15 Amp
Horn, dual electric
Instrument panel, LCD, monochrome
Lights:
2 Headlights (halogen)
2 Forward working lights (halogen)
4 Rear working lights (halogen)
2 Stop/tail/backup (LED)
Turn signal w/4-way flashers/marker

CAB

ROPS cab: Enclosed cab with sound suppression, front & rear wipers and washers, two rear view and side mirrors, tinted glass, full view latch-back doors, sliding side windows.
Accessory outlet, 12V.
Adjustable armrest/console, (fore/aft sliding)
Air conditioner/heater/pressurizer
AM/FM/WB radio with AUX input
Ashtray
Cab dome lamps (2)
Cigarette lighter
Coat hook
Cooler box storage area
Cup holder (2)
Floor mat
Retractable seat belt (3 inch)
ROPS/FOPS certified
Seat, air suspension, fabric
Steering column, telescoping and tilting w/quick-release pedal
Storage box (heated/cooled)
Sun visor

OTHERS

Articulation locking bar
Counterweight
Drawbar
Global e-Service, telematic monitoring system (GSM-version w/4 yrs. service)
Ladders, inclined
Lifting eyes
Linkage pins, HN bushing
Neutral safety start
Steps, rear
Z-bar loader linkage

ALARMS, GAUGES, INDICATORS

Alarms (visual & audible)	Brake oil low pressure Engine oil low pressure Overheat (engine coolant)
Gauges	Engine coolant temperature Fuel gauge HST oil temperature
Indicators	Air cleaner element Air conditioner display Battery discharge warning Cold start Control lever lock Eco-operating status Emergency steering Engine warning Fan reverse rotation Fuel filter (water in fuel) High beam HST oil temperature HST warning Maintenance Operating mode (Normal, Power) Parking brake Ride control Service Speedometer Time/operating hour/ODO Turn signal w/4-way flashers/marker Work light

OPTIONAL EQUIPMENT

Belly guard, transmission
Bolt-on cutting edge & segments
Camera, rear view
Fenders, rear, full, w/mudflap
HID work lights
High lift boom arm
Hydraulic system, 3 spool valve
LED work lights
Pre-cleaner (turbine type)
Quick coupler & attachments
Seat, heated
Secondary steering

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