



ALL FOR SHOPS AND WAREHOUSES

VVN

## Wheel loaders

Easy maintenance & outstanding after-sales services  
Complete line of applications and accessories  
Pilot control system, automatic leveling

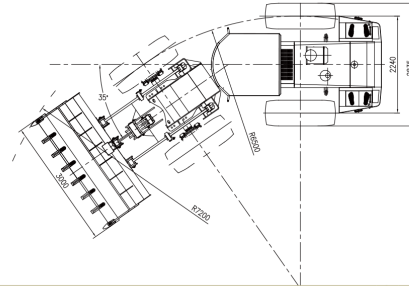
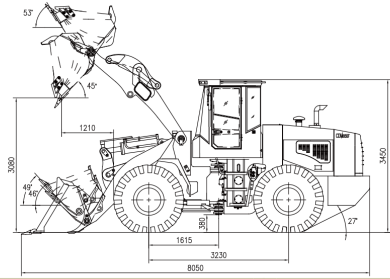


### Models described in the catalog:

VVN WL 42	VVN WL2 42	VVN WL 43	VVN WL 55	VVN WL 56
VVN WL 65	VVN WL 100	VVN WL 111	VVN WL2 111	VVN WL3 111
VVN WL4 111	VVN WL 112	VVN WL 113	VVN WL 115	VVN WL 116
VVN WL 117	VVN WL2 117	VVN WL3 117	VVN WL4 117	VVN WL5 117
VVN WL6 117	VVN WL 118	VVN WL 200	VVN WL 201	VVN WL2 201

# VVN WL5 117

## overall specifications



### Overall Data

Bucket Capacity (m <sup>3</sup> )	3
Rated Payload(kg)	5000
Operating Weight(kg)	17700±300
Traction Force(kN)	155±3
Breakout Force(kN)	170±3

### Travel speeds (km/h):

	I	II
Forward	11.5	36.0
Reverse	16.0	

### Engine WEICHAİ WD10G220E21

Rated Power(kw/rpm)	162/2200
Peak Torque(Nm/rpm)	850/1400~1600
Starting Voltage(V)	24

### Drive Train

Torque Converter	Single-stage, Duo-turbine, 4-elements
Torque Ratio	4.0
Transmission	Planetary Powershift Transmission
Gear	2F/1R
Pressure of Transmission(MPa)	1.2~1.5
Main Reducer	Spiral bevel, 1-stage Reduction
Final Reducer	Planetary Reduction
Tire	23.5-25 L-3 16PR

### Brake System

Service Brake	Single Circuit Caliper, Dry Brake
Setting Pressure (MPa)	0.78
Parking Brake	Air Actuated Caliper Brake
Emergency Brake	Air Actuated Caliper Brake

### Standard Optional

Automatic Leveling	Coal Bucket (M)
Lonking Transmission	
Lonking Axle	
Standard Bucket	
Pilot Control	

### Steering System

Type	Hydraulic Load Sensing
Cylinders-Bore×Stroke(mm)	2-100×324
Steering Pump	Gear Pump
System Pressure(MPa)	16
Flowrate(L/min/rpm)	176/2200
Steering Angle	±35°

### Hydraulic System

Lift Cylinders-Bore×Stroke(mm)	2-180×721
Tilt Cylinder-Bore×Stroke(mm)	1-200×563
Model of Implement Pump	Gear Pump
Flowrate(L/min/rpm)	220/2200
System Pressure(MPa)	16
Pilot Control System Pressure (MPa)	2.5

### Hydraulic Cycle Time, Rated Load In Bucket(In Second):

Raise(Loaded)	Dump	Lower(Empty)	Total
6.0	1.0	4.0	11.0

### Electrical System

System Voltage(V)	24
Battery (2 in series)(Ah)	120
Lamp Voltage(V)	24

### Service Refill Capacity

Fuel Tank(L)	285
Hydraulic Tank(L)	285
Crankshaft(L)	20
Transmission(L)	45
Front Axle(L) /Rear Axle(L)	23/23

### Air Conditioning System

Heating Capacity(W)	5300 (±10%)
Cooling Capacity(W)	4500 (±10%)



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