



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:

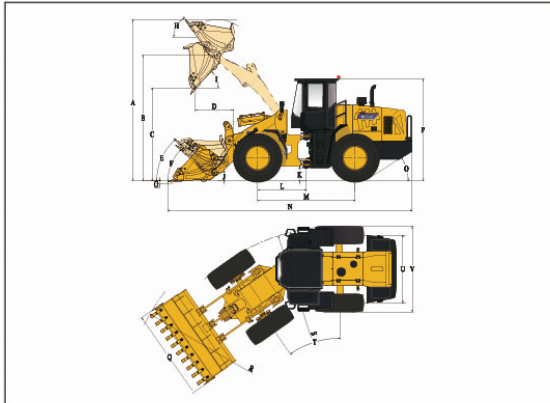
VVN WL 42	VVN WL2 42	VVN WL 43	VVN WL 55	VVN WL 56
VVN WL 65	VVN WL 100	VVN WL 111	VVN WL2 111	VVN WL3 111
VVN WL4 111	VVN WL 112	VVN WL 113	VVN WL 115	VVN WL 116
VVN WL 117	VVN WL2 117	VVN WL3 117	VVN WL4 117	VVN WL5 117
VVN WL6 117	VVN WL 118	VVN WL 200	VVN WL 201	VVN WL2 201

VVN WL2 111

overall specifications

DIMENSIONS

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



NO.	DESCRIPTION	UNIT	STD	High Q-Change
A	Overall Height – Bucket Raised	mm	4790	5545
B	Bucket Pin Height at Max. Lift	mm	3710	4324
C	Dump Clearance at Max. Lift (45°)	mm	2806	3135
D	Reach at Max. Lift and 45° Dump	mm	1170	1170
E	Rack Back Angle at Carry	°	47	46.3
F	Rack Back Angle at Ground	°	44	40.1
G	Digging Depth	mm	30-40	30-40
H	Rack Back Angle at Max. Lift	°	55	51
I	Dump Angle at Max. Lift	°	45	45
J	Carry Height	mm	400	334
K	Ground Clearance	mm	347	374
L	Center Line of Front Axle to Hitch	mm	1425	1425
M	Wheel Base	mm	2850	2850
N	Overall Length	mm	7520	8080
O	Departure Angle	°	27	29
P	Height to Top of Cab	mm	3180	3180
Q	Overall Width over Bucket	mm	2500	2936
R	Min. Turning Radius over Bucket	mm	6240	6740
S	Min. Turning Radius over Tires	mm	5680	5667
T	Steering Angle – Left/Right	°	35	35
U	Width at Tread Center	mm	1850	1850
V	Overall Width over Tires	mm	2320	2294

OVERALL DATA

MODEL	STANDARD	HIGH QUICK-CHANGE
Bucket Capacity	1.8m³	2.3m³
Rated Payload	3500kg	3000kg
Operating Weight	11620±300kg	12300±300kg
Traction Force	106±3kN	97±3kN
Breakout Force	103±3kN	97±3kN
LxWxH	7520×2500×3180	8080×2936×3180

ENGINE&ELECTRICAL SYSTEM

Maker/Model	CUMMINS/QSB6.7-C133
Emission Standard	EPA (TierIII)/EU StageIIIA
Engine Type	4 Stroke, Turbocharged & Charge Air Cooled, Bosch Electronic, Diesel Engine
Rated Power	99kW(133hp)/2200rpm
Maximum Torque	584N·m/1450rpm
Bore x Stroke (mm)	107×124
No. of Cylinders/Displacement	6/6.7L
Compression Ratio	17.2
Air Cleaner	Three Stage Air Cleaner with Cyclone Pre-cleaner
Alternator	70Amp
Battery	2-24V/105Ah
Starting Motor	24V/5.8kW
Heating Capacity (W)	5000W
Cooling Capacity (W)	4700W

DRIVE TRAIN

Transmission Type	Countershaft Powershift Transmission				
Shift Type	Electronic Powershift Control				
Pressure of Transmission	1.5-1.7MPa				
Torque Converter Type	Single-stage, Single-turbine, 3-element				
Torque Ratio	3.2				
Axles	Rigid Front Axle&Oscillating Rear Axle				
Rear Axle Oscillation (°)	±10°				
Differential	Conventional				
Main Reducer	Spiral Bevel, 1-stage Reduction				
Final Reducer	Planetary Reduction				
Tire (Standard)	17.5-25 L-3 12PR TT				
Tire (High Quick-change)	20.5-25 L-3 16PR TT				
Travel Speeds	km/h	1st	2nd	3rd	4th
	Forward	7.0	12.0	28.0	38.0
	Reverse	7.0	12.0	28.0	

BRAKE SYSTEM

Service Brake	Full Hydraulic Wet-discs Brake
Setting Pressure	5.3-5.7MPa
Parking Brake	Hydraulic Actuated Drum Brake
Emergency Brake	Hydraulic Actuated Drum Brake

STEERING SYSTEM

Type	Hydraulic Load Sensing System	
Pump	Gear Pump, 246L/min • 2200rpm	
System Pressure	14MPa	
Cylinder	Type	Double Acting
	Bore x Stroke	2-80×315mm
Steering Angle	±35°	

HYDRAULIC SYSTEM

Type (Standard)	Single-lever(Joystick) Control							
Type (High Quick-change)	Double-lever(Joystick) Control							
Pump	Gear Pump, 246L/min • 2200rpm							
Control Valve (Standard /High Quick-change)	2/3 Spool							
System Pressure	16MPa							
Cylinder	Lift Cylinder	2-125×784mm						
	Tilt Cylinder	1-140×553mm						
Joystick Control Pressure	2.5MPa							
Cycle Time (Sec)	Raise	5.5	Dump	1.3	Lower	3.7	Total	10.5

SERVICE REFILL CAPACITY

Fuel Tank (L)	200L
Hydraulic Tank (L)	173/178 ^{1/2} Pool for Auxiliary Function
Crankshaft (L)	17L
Transmission (L)	37L
Front Axle/Rear Axle (L)	18.5L/18.5L

STANDARD EQUIPMENT

CUMMINS Engine	Single-lever(Joystick) Control
YD-13 Transmission	Standard Lift&Bucket (1.8m³)
Electronic Powershift Control	ROPS&FOPS Cabin
YUNYU Axles	Air Conditioner
Hydraulic Actuated Drum Brake (Parking Brake)	Radio&MP3 LCD Display

OPTIONAL EQUIPMENT

Cold Starting (-35°C)	Quick-change Coupler
Oil-bath Air Filter	Quick-change Bucket (1.7m³)
20.5-25 L-3 16PR TT	Quick-change Enlarged Bucket (2.3m³)
17.5R25 ★★ L-3 TL	Bucket 1(2.0m³)
20.5R25 ★★ L-3 TL	Enlarged Bucket(2.3m³)
3 rd Spool for Auxiliary Function	Coal Bucket(2.5m³)
Double-lever(Joystick) Control for Lift&Tilt&Auxiliary Function	3 Piece Cutting Edge, Bolt-on Type Bucket
Sliding Cabin Window	Log Fork
Electric Heating Rear Window	Grasping Pitchfork
Lockable Oil Tank Cap	Side Dump Bucket
Rear View Camera	Fork(Quick-change Only)
Pressure Testing Connector	4in1 Bucket(Quick-change Only)
High Lift &Additional Counterweight	Snow Blade(Quick-change Only)



ALL FOR SHOPS AND WAREHOUSES

LATVIA

SIA "Viss Veikaliem un Noliktavam"
41A - 224 Kan davas street, Riga, LV-10 83
Phone: +371 27727449 (latvian, english),
+371 22074120 (l atvian, russian, english),
+371 20330002 (latvian, russian, english)
E-mail: info@vvn.lv

www.vvn.lv

LITHUANIA

Phone: +370 70066080
E-mail: info@vvn.lt
www.vvn.lt

NORWAY

Phone: +47 219558 68
E-mail: info@vvn.no
www.vvn.no

ESTONIA

Phone: +372 634633 2,
+372 63463 42
E-mail: info@vvn.ee
www.vvn.ee

DENMARK

E-mail: info@vvn.dk
www.vvn.dk

FINLAND

Phone: +358 7532633 23
E-mail: info@vvn.fi
www.vvn.fi

RUSSIA

Phone: +7 849960925 1 5
E-mail: info@vvn.ru
www.vvn.ru

SWEDEN

Phone: +46 107502388
E-mail: info@vvn.se
www.vvn.se

BELARUS

Phone: +375 849960925 1 5
E-mail: info@vvn.by
www.vvn.by