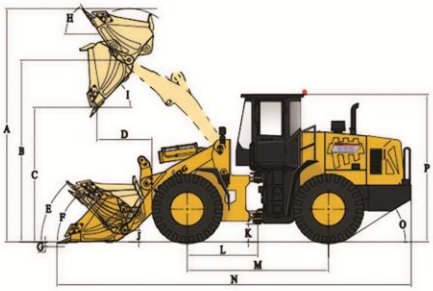
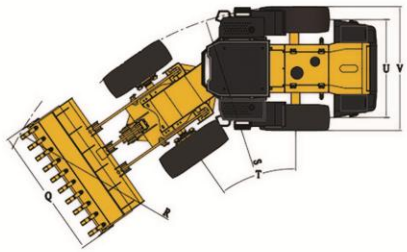
Working Weight	17500 ± 300 kg
Bucket Capacity	3 m^3 / 5500 Kg
Bucket Type	Rock Bucket
Engine	WD10G220E21
Power	220 hp (162Kw)/2200 rpm
Engine Torque	860 N.m/1400-1600 rpm
Mechanical Gearbox	LONKING
Maximum Forward Speed	2F,1R-13.5/38,16.5 km/h
Fuel Tank Capacity	285 L
Hydraulic Tank Capacity	265L
Tire	23.5-25 L-3
Maximum Traction Force	185 ± 3KN
Break Out Force	175 ± 5KN

Dimensional Specifications



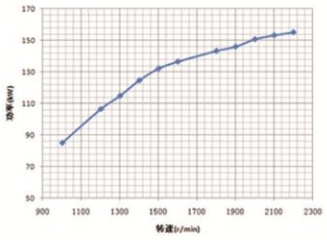


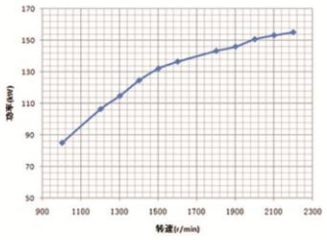
Symbol	Description	Unit	Size
A	Maximum Dumping Height	mm	5560
B	Bucket Pin Heigh At Maximum Lift	mm	4164
C	Dumping Height At Full Lift 45° Dump Angle	mm	3100
D	Maximum Reach At Full Lift 45° Dump Angle	mm	1300
E	Bucket Carry Angle	°	46
F	Bucket Rollback Angle On Ground	°	43
G	Maximum Digging Depth	mm	50
H	Maximum Dump Angle At Full Lift	°	41
I	Dump Angle At Lift	°	45
J	Carring Height	mm	400
K	Minimum Ground Clearance (Below Artication Point)	mm	398
L	Front Axle To Articulation Joint	mm	1650
M	Wheel Base	mm	3350
N	Maximum Overall Lenght	mm	8270
O	Departure Angle	°	28
P	Cab Height	mm	3400
Q	Bucket Width	mm	3000
R	Minimum Turning Radius (At Bucket Pivot)	mm	7470
S	Minimum Turning Radius (At Tire Center Line Pint)	mm	6650
T	Articulation Angle	°	35
U	Tread Width	mm	2240
V	Maximum Overall Width	mm	2835

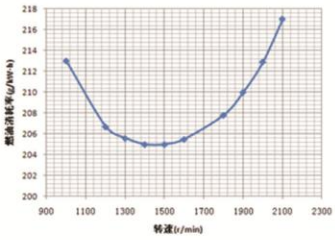
An Extented Wheelbase Result In Higher Load-Bearing Capability
Improved Opertional Efficiency And Better Overall Stability

Engine Details

A Powerful 6-Cylinder With a 9/726-Liter Displacement Featuring A Turbocharger And Eco-Friendly Injection Technology.







Model	WD10G220E21
Power	220hp (162Kw)/2200 rpm
Torque	860 N.m/1400-1600 rpm
Engine Capacity	9.726 L
Fuel Injection System	In Line Needle-Type Hydraulic Pump

Hydraulic System

Boom Raise Time	≤5.8
Boom Lowering Time	≤5.2
Total Hydraulic Cycle Time	≤11

Hydraulic System Specifitions

- Equiped With Dual Hydrualic Pumps
- Uses High-Efficiency Hydraulic Components For Better Performance,Higher Productivity,And Improved Operator Comfort
- Incorporates Limit Sensors For Precise Control Of Attachments And Cylinders Enhancing Safety And Accuracy
- Load-Sensing Hydraulic Steering System For Higher Efficiency Of The attachment Hydraulic System

Pilot Control Volve

Hydraulic Accumulator Unit

Hydraulic Reservoir

Hydraulic Implement Control Valve

Priority Valve

Steering Pump

Implement Pump

Hydraulic system	Lonking	Hydraulic System
Number of lift arm cylinders –cylinder bore * stroke	2-Φ180 x 721 mm	تعداد جک بالابر-قطر داخلی X کورس(میلیمتر)
Number of bucket cylinders –cylinder bore * stroke	1-Φ200 x 563 mm	تعداد جک باکت- قطر داخلی X کورس (میلیمتر)
Model of working pump	GEAR PUMP	پمپ دنده ای — پمپ هیدرولیک
Flow rate/rotation speed	207 L/min.2200rpm	دبی
steering system pressure	15 Mpa	فشارسیستم فرمان
System working pressure	19 Mpa	فشارکاری سیستم

Gearbox

- Lonking-ManuFactured Transmission System
- Single-Stage,Dual-Turbine,Four-Element Torque Converter
- Plantery Powershift Transmission
- Hydrodynamic Shifting

Axles

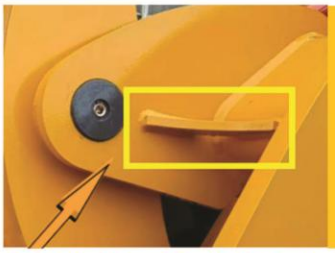
Axle Manufactured By Lonking, Model LGQ280, With a Maximum Load Capacity Of 28 Tons.

Equipped With Four-Speed Gears, Planetary Reduction System, And Dual-Circuit Braking System.

The Front Axle is Rigid, While The Rear Axle Features ±10° Of Oscillation In a Pendulum-Type Design.

Design And Manufacturing Of Chassis And Work Attachments

- Reinforced Chassis Design With Increased Sheet Thickness 16 mm To 20 mm For Enhanced Durability In Mining And Heavy-Duty Applications
- Replaceable Bucket Teeth With Reinforced Bolt-On Segments Between Teeth And Bucket Lip
- Optimized Bucket Design With Reinforced Side Cutters To Ensure Maximum Bucket Filling And Efficient Material Loading
- Special Bucket Structure Minimizes Material Spillage During Stone And Soil Loading Thanks To A Protective Edge And Soil-Cutting Blade Design Boom Structure Reinforced With Additional Gusset Plates For Enhanced Resistance Against Heavy Workloads



Optimization of the boom support plate and ear bracket box structure to enhance overall structural strength. The dogbone (wishbone) design is implemented as a closed box type to ensure high compatibility and durability under heavy loads.

Cabin Comfort & Body Structure

New Cabin Design with maximum operator visibility

Equipped with FOPS/ROPS structure for operator safety

Large windows, mirrors, and ergonomic seating ensure comfort and a clear field of view

Effective air conditioning and heating system for all-season operation

Adjustable suspension seat with vibration dampening and increased ride comfort

Joystick control for easy and responsive implement operation

Spacious interior with easy access for servicing and maintenance

Multi-function LCD dashboard displaying operating status and alerts with integrated monitoring system

for operator convenience Multimedia system with USB and MP۳

Designed for optimal visibility, the operator station features inch LCD display panel that clearly presents all key-۵ a modern indicators and machine status in real time

Equipped with powerful and waterproof LED headlights and taillights along with a roof warning beacon to ensure operator and site safety in dim or low-visibility conditions

Featuring a newly engineered engine compartment door providing improved access for quick, safe, and efficient maintenance operations

Features a high-resolution 4K rear-view camera and monitor for improved operational safety with a wide-angle field of vision.

TIRAGE MACHINE

MANUFACTURER OF EARTH MOVING MACHINERY

WWW.TIRAGE-MACHINE.IR 021- 7 98 48 Abbasi St., Corner of Pishro, South Kamranieh, Tehran ,۴ .No