

SINO EQUIPMENT

Engine Model

Weichai WP6G140E22

Gross Power

105kW @ 2200rpm

Operating Weight

14000kg

SR14S

ROLLER



ENGINE

Model	Weichai WP6G140E22
Number of cylinders	6
Type	4-cycle, Direct Injection, Water-cooled
Aspiration	Turbocharged
Bore x stroke	105*130mm
Displacement	6.75L
Gross power	105kW @ 2200rpm
Max. torque	560N.m @ 1400~1600rpm
Rated fuel consumption	210g/kW.h
Air cleaner	2-stage, Dry Type

POWER TRAIN

Type	Hydrostatic, All-wheel Drive
Driving Pump	Mechanical Control, Variable Piston Pump 75ml/r
Axle Drive	Variable Piston Motor, 105ml/r
Drum Drive	Constant Piston Motor, 55ml/r
Hydraulic Relief Pressure	42MPa
Tire	20.5-25-16PR
Max. Grade Ability	45%
Forward, I, II	0~5.5km/h, 0~10km/h
Reverse, I, II	0~5.5km/h, 0~10km/h

STEERING

Type	Hydraulic Power, Articulated Steering
Hydraulic Relief Pressure	14MPa
Steering Angle	±35°
Oscillating Angle	±12°
Min. Turning Radius	6400mm

BRAKES

Service brake	Hydraulic Inertia Brake
Parking brake	Multi-disc Brake, Hydraulic Control
Emergency Brake	Hydraulic Inertia Brake & Multi-disc Brake

DRUM

	14S	14SP
Width	2130mm	2130mm
Diameter	1500mm	1702mm
Drum Shell Thickness	30mm	30mm
Number of Pad Feet	-	150
Height of Pad Feet	-	95mm

VIBRATION

Type	Hydrostatic, Electric Control	
Vibration Pump	Variable Piston Pump, 55ml/r	
Vibration Motor	Constant Piston Motor, 55ml/r	
Hydraulic Relief Pressure	30MPa	
Frequency, Low	30Hz	29Hz
Frequency, High	35Hz	35Hz
Amplitude, High	1.9mm	1.65mm
Amplitude, Low	0.9mm	0.7mm
Centrifugal Force, Maximum	310kN	310kN
Centrifugal Force, Minimum	200kN	200kN

CAPACITIES

Fuel Tank	280L
Oil Tank	190L
Engine Coolant	36L
Engine Crank Tank	16L

SR14S

ROLLER

ELECTRICAL SYSTEM

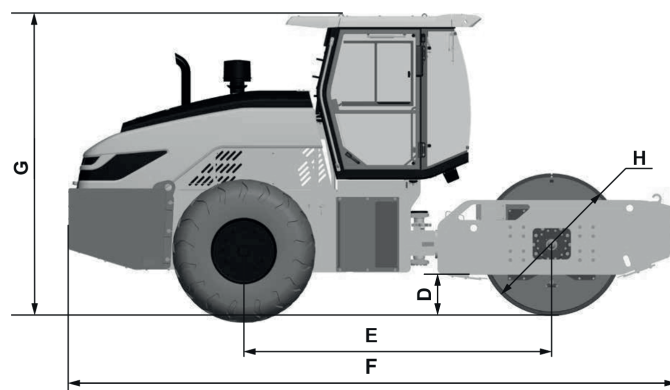
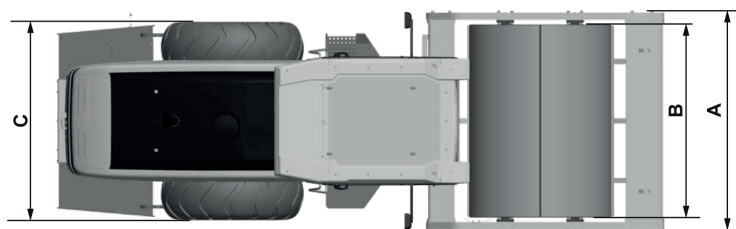
	14S	14SP
Battery	2x12V, 105Ah	
Alternator	28V, 55A	
Starter motor	24V, 6kW	

OPERATING WEIGHT

Standard	14000kg	14800kg
Axle Load, Drum	8200kg	9000kg
Axle Load, Wheel	5800kg	5800kg
Static Linear Load(at Drum)	377N/cm	414N/cm

DIMENSIONS

	CAB
A	2280mm
B	2130mm
C	2120mm
D	420mm
E	3100mm
F	6140mm
G	3080mm
H	1500mm



SINO EQUIPMENT

Engine Model

Shangchai SC8D175.2G2B1

Gross Power

128kW @ 1800rpm

Operating Weight

20000kg



SR20S ROLLER

ENGINE

Model	Shangchai SC8D175.2G2B1
Number of cylinders	6
Type	4-cycle, Direct Injection, Water-cooled
Aspiration	Turbocharged
Bore x stroke	114*135mm
Displacement	8.3L
Gross power	128kW @ 1800rpm
Max. torque	820N.m @ 1300-1500rpm
Rated fuel consumption	225g/kW.h
Air cleaner	2-stage, Dry Type

POWER TRAIN

Type	Mechanical, Rear-wheel Drive
Clutch	Foot Actuated, Hydraulic Boost, Pneumatic Control, Multi-disc
Transmission	Fixed-axis Type, Electro-hydro Control Power Shift Transmission
Axle	Dry Type
Tire	23.1-26-14PR / 20.5-25-16PR
Max. Grade Ability	30%
Forward,I,II	2.84km/h,5.58km/h, 9.1km/h
Reverse,I,II	2.84km/h,5.58km/h, 9.1km/h

STEERING

Type	Hydraulic Power, Articulated Steering
Hydraulic Relief Pressure	14MPa
Steering Angle	±35°
Oscillating Angle	±12°
Min. Turning Radius	6100mm

BRAKES

Service brake	Air over Oil Caliper Brake, Foot Actuated
Parking brake	Drum Type, Manually Actuated
Emergency Brake	-

DRUM

	20B	20MPA
Width	2140mm	2140mm
Diameter	1550mm	1752mm
Drum Shell Thickness	40mm	40mm
Number of Pad Feet	-	154
Height of Pad Feet	-	95mm

VIBRATION

Type	Hydrostatic, Electric Control	
Vibration Pump	Variable Piston Pump, 55ml/r	
Vibration Motor	Constant Piston Motor, 55ml/r	
Hydraulic Relief Pressure	35MPa	
Frequency, Low	29Hz	29Hz
Frequency, High	35Hz	35Hz
Amplitude, High	2.0mm	1.7mm
Amplitude, Low	1.0mm	0.85mm
Centrifugal Force, Maximum	380kN	380kN
Centrifugal Force, Minimum	280kN	280kN

CAPACITIES

Fuel Tank	306L
Oil Tank	118L
Engine Coolant	24L
Engine Crank Tank	20L

SR20S

ROLLER

ELECTRICAL SYSTEM

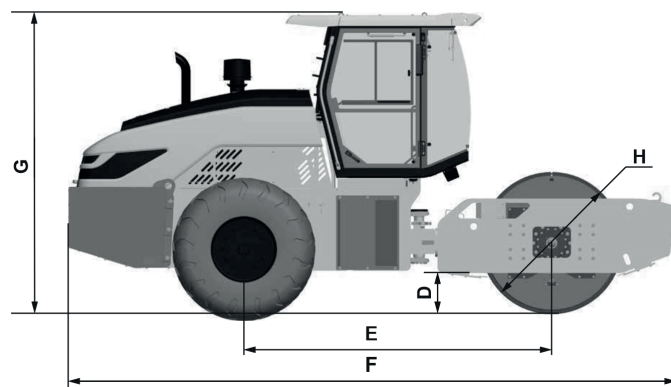
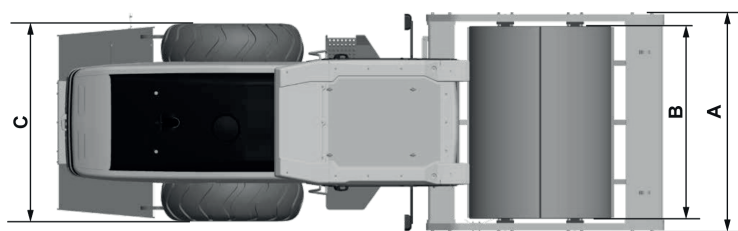
	20B	20MPA
Battery	2x12V, 105Ah	
Alternator	28V, 70A	
Starter motor	24V, 7.5kW	

OPERATING WEIGHT

	20000kg	20800kg
Standard		
Axle Load, Drum	10000kg	10800kg
Axle Load, Wheel	10000kg	10000kg
Static Linear Load(at Drum)	467N/cm	504N/cm

DIMENSIONS

	CAB
A	2315mm
B	2140mm
C	2240mm
D	410mm
E	3140mm
F	6229mm
G	3180mm
H	1550mm



SINO EQUIPMENT

Engine Model
Weichai WP4.6NG200E301
Gross Power
147kW @2000rpm
Operating Weight
30000kg



SR2030W

ROLLER

ENGINE

Model	Weichai WP4.6NG200E301
Number of cylinders	4
Type	4-cycle, Water-cooled
Aspiration	Turbocharged
Bore x stroke	108x125mm
Displacement	4.58L
Gross power	147kW @ 2000rpm
Max. torque	820N.m @ 1400-1600rpm
Emission	China-III

POWER TRAIN

Type	Hydraulic Power, Rear-wheel Drive
Pump	Plunge Pump
Motor	Plunge Motor
Max. grade ability	22%

STEERING

Type	Hydraulic
Steering Angle	±30°
Min. Turning Radius	8330mm

BRAKES

Service brake	Hydraulic Brake
Parking brake	Hydraulic Brake
Emergency Brake	Hydraulic Brake

TIRE

Type	11.0-20.0
Number of Tires	Front 5, Rear 6
Wheel Track Overlap	50mm
Working Width	2750mm
Tire Distance	490mm
Ground Pressure	200-420KPa
Swing Distance of Front Tire	±50mm

SPEED

Forward,1	0-6km/h
Forward,2	0-13km/h
Reverse,1	0-6km/h
Reverse,2	0-13km/h

CAPACITIES

Fuel Tank	170L
Hydraulic Oil Tank	60L
Coolant	22L
Engine Crank Case	13L
Sprinkle Water Tank	630L

SR2030W

ROLLER

ELECTRICAL SYSTEM

Battery	2X12V
Alternator	28V, 80A
Starter motor	24V, 4.5kW

WEIGHT

Max. Operating Weight	30000kg
Min. Operating Weight	12900kg
Metal ballast	11350kg
Average Wheel Load	2720kg

DIMENSIONS

A	4920mm
B	2920mm
C	3410mm
D	3840mm
E	380mm

