



HOWO 7 SERIES



SINOTRUK 18m³ TIPPER

WEICHAH EURO II / 400 HP

Zimbabwe's Official Sinotruk and Powerstar Dealer.

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SP **SINOPOWER**
COMMERCIAL VEHICLES

ENGINE

Make: SINOTRUK

Diesel: 4 stroke diesel engine

Engine model: WP12.400E201, Euro II emission standard.

6 cylinder in-line with 4 valves, water cooling, turbo-charging & intercooling.

Maximum output: 400hp (294Kw) at 1900 rpm

Maximum torque: 1800Nm at 1000~1400 rpm

Displacement: 11.596L;

Bore: 126mm; Stroke: 155mm

Compression ratio: 17:1;

Specific fuel consumption: 187g/kWh;

Engine oil filling quantity: 28L

Thermostat with 85 oC opening begin

Twin cylinders air compressor

MODEL

HOWO 7 64400 TIP

FRONT AXLE

Sinotruk VGD95, steering with double T-cross section beam, with automatic brake gap adjustment arm.

REAR AXLES

Sinotruk MCP16ZG, pressed axle housing, hub reduction drive axle with inter-wheel diff. lock and axle diff. lock, with automatic brake gap adjustment arm Ratio: 5.26.

CHASSIS

Frame: U-profile parallel ladder frame with section of 300x90x8 mm and reinforced subframe, all cold riveted cross members.

Front suspension: 10 semi-elliptic leaf springs with shock absorbers and stabilizer.

Rear suspension: 12 semi-elliptic leaf springs with stabilizer.

Fuel tank: aluminium, 400L capacity with locking fuel cap

DRIVER CAB

Long cabin, with single bunk, all-steel forward control, hydraulically tiltable to the front, 2-arm windscreen wiper system with three speeds, laminated windscreen with casted-in radio aerial, adjustable air driver's seat and adjustable rigid co-driver's seat, with heating and ventilation system, with A/C, exterior/interior sun visor, stereo radio/usb interface, safety belts, adjustable steering wheel, air horn, with 4-point support fully floating suspension and shock absorbers.

WHEELS & TYRES

Rims: 9.00x22.5, 10 hole-steel

Tyres: 12.00R20, with one spare tyre

OTHERS

Maximum driving speed (km/h)	75
Maximum gradeability (%)	40
Minimum turning circle (m)	20

PROPELLER SHAFT

Double universal joint propeller shaft with gear-shaped coupling flange.

CLUTCH

Operating voltage: 24 V, negative grounded

Starter: 24 V, 7.5 Kw

Alternator: 28 V, 1540 W

Batteries: 2 x 12 V, 165 Ah

Cigar-lighter, horn, headlamps, fog lights, brake lights, indicators and reverse light.

INSTRUMENTAL PANEL

VDO panel, active check control with indicators, with this instrument the daily manual checks on the vehicle and combined indicators of compressed air pressure, coolant temperature, engine oil pressure and battery charging.

TRANSMISSION

Sinotruk transmission, model HW19710, manual, constantmesh on each shift and synchromesh on range shift, 10 forwards & 2 reverse, with HW50 PTO

Ratio: 14.28 10.62 7.87 5.88 4.38 3.27 2.43 1.8 1.34 1 13.91[®] 3.18[®]

BRAKES

Service brake: dual circuit compressed air brake

Parking brake (emergency brake): spring energy on rear axles.

Auxiliary brake: exhaust brake

Without ABS

MASS IN KG's

Vehicle Tare Mass	16290
Gross Vehicle Mass (GVM)	41500
Gross Axle Massload (GA 1)	9500
Gross Axle Massload (GA 2)	16000
Gross Axle Massload (GA 3)	16000
Permissible Maximum Vehicle Mass (V)	27000
Permissible Axle Massload (A 1)	7700
Permissible Axle Massload (A 2)	9000
Permissible Axle Massload (A 3)	9000

TIPPER BODY

Body Size (mm)	5400 x 2300 x 1500
Capacity (m ³)	18
Body Material	T700 High Strength Plate
Thickness (mm)	Bottom 12mm, side 10mm

DIMENSIONS IN MM

Wheel base	3600 + 1350
Front wheel track	1934
Rear wheel track	1816
Front overhang	1560
Rear overhang	1554
Overall length	8371
Overall width	2496
Overall height	3399

Visit www.sinopower.co.zw for more information on our Howo 7 Series

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