

中国魔鬼王自卸车

MGW 430

MGW 430 ENGINEERING WARRIOR



▶ 节能三号EGR发动机
Energy-saving EGR III engine

▶ ABS系统提高行驶的制动安全性
ABS system lifts brake safety of driving

▶ 采用ZF8098方向机，使整车转向灵活、安全可靠
Equipped with ZF8098 steering gear, to provide optimum flexibility and safe driving

▶ 430型拉式膜片弹簧离合器，
无需调整离合器间隙，膜片弹簧压紧均匀
With 430 pull-type diaphragm spring clutch, it's no need to adjust clutch gap. Diaphragm spring is tight and gives even pressure

▶ 大功率贝洱水箱中冷器，增强发动机的散热，提高整车的经济性
Big-power Behr water tank intercooler can strengthen heat dissipation of engine and improve truck economy

▶ 进气系统采用三级过滤，可有效保护发动机，延长发动机的使用寿命
Three-level filtering intake system offer complete protection, effective ensure no unfiltered air can enter the engine and prolonged service life of engine

▶ 前桥HF9吨鼓式制动，后桥装用AC16铸钢两级减速工程专用驱动桥，承载能力强
The front axle is equipped with HF nine-ton drum-type brake while the rear axle is equipped with AC16 steel dual reduction engineer purposed driving axle. Both axles have bigger loading capacity

▶ 全新组合后视镜搭配驾驶室全后照明灯消除视野盲点，结合单边驾驶室的开阔视野，确保了驾驶员的安全。
New combined rear-view mirror with rear lights of cab to eliminate blind spots. This feature provides excellent all round visibility and safety of driver

▶ 骨架蒙皮式工程驾驶室，安全系数高，大平面风挡玻璃视野开阔。
Frame-skinned driver's cab is safer. Large windshield gives wide vision

▶ WABCO制动系统、VOSS快插接头有效保证制动系统安全性。
喷淋水箱有效缓解制动蹄片和制动鼓制动热衰竭。(自选性)
WABCO brake system and VOSS quick-connection plug ensure safety of brake system. Spray water tank can relieve heat exhaustion of brake shoes and brake drum. (Optional)

▶ 前悬挂：钢板弹簧+筒式减震器+稳定杆
后悬挂：对V型推力杆总成作了全面提升，前后球销总成全部采用向心关节轴承结构，提高了耐磨性，使V杆寿命大大提高。
Front suspension includes leaf spring, cylindrical shock absorber and stabilizer bar. V thrust rod of rear suspension is improved. Front and rear ball pins both adopt Plain radial bearing which has better anti-friction and can prolong V rod's service life

MGW 430 6X4

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Engine

Make and Model	WD615, Euro - II emission standard
Type	4 stroke direct fuel injection diesel engine, turbo charging & inter cooling.
No. of Cylinder	6 cylinders in-line with water cooling
Maximum output	336hp (247kw) @ 220rpm according to DIN
Max Torque	1500 Nm @ 1100-1600 rpm
Bore x Stroke	126 mm (B) x 130mm(S)
Displacement	9.726 lit
Air Intake	Three(3) stage air filtering. Whirlwind pre-filtering, oil bath and Air Filtering
Engine Oil Capacity	23 lit
Fuel Tank	300 lit with locking fuel cap

Transmission

Clutch Type	Manual shift. Single plate dry diaphragm spring clutch. Hydraulically operating with air assistance. Diameter : 4300 mm
Gear Ratio	Comprising 8 Forward and 1 reverse Option : 10 Forward and 2 reverse
Propellar Shaft	Double universal joint propeller shaft with gear-shaped coupling flange.

Chassis

Front Axle	9 ton Steering with double T-cross section and enhance.
Rear Axle	AC16 Double Casted axle housing (16ton) and reinforced, with planetary wheel reduction (hub reduction) and differential lock.
Frame	U-profile ladder type with section of 320x90x8mm. All cold riveted cross members and reinforce subframe.
Front suspension	Semi-elliptic leaf spring with hydraulic telescopic double action shock absorber and stabilizer.
Rear suspension	Semi-elliptic leaf spring with bogie spring and stabilizer.
Steering	Left Hand Drive. ZF8098 hydraulic steering with power assistance.
Service Brake	Safety Dual circuit compressed air brake. Drum brakes front & rear wheels.
Parking Brake	Spring loaded parking brake on both rear wheels.
Auxiliary Brake	Active Engine Brake.
Wheel & Tyre Size	Tyre : 12.00 x 20 with one (1) spare tyre.
Electrical	Operating voltage : 24 volts. Battery : 2x 12 (165Ah). Alternator @28v. Others : Head Lamp, Turning signal, Air Horn, Reverse Buzzel & Reverse Light.

Cabin

Single adjustable operator seat and one side entrance cabin. 50° hydraulically tilttable to the front. Two (2) winscreen wipers with 3 speeds. Air-conditioner. Safety seat belt. Right rear view mirror, front down view mirror and air horn. Cab suspension composed of rubber shock absorber at front slew point & two(2) side spring shock absorber in the rear with two hydraulic lock.

Dimension (mm)

Wheel Base	3825+1350
Front Wheel Tread	2750
Rear Wheel Tread	2520
Front Overhang	1500
Rear Overhang	1870
Approach angle (0)	29 deg.
Departure angle (0)	23 deg.
Overall Dimension	8545 x 2496 x 3170 (Length x Width x Height)
Cargo Body Size	5800 x 2300 x 1100 (Length x Width x Height)

Weight (kg)

Permissible load capacity on chassis	30000
Dead Weight	12,000±
Gross Vehicle Weight	42000
Front Axle Loading	9000
Rear Axle Loading	32000

Performance

Max Driving Speed	78 km/h
Max Gradeability	50%
Min Ground Clearance	314 mm
Min Turning Circle	17 meter
Fuel consumption	208 g/kW.h

