# RANDON RK 628C DFF-ROAD TRUCK



# APPLICATION IN MINING, CIVIL WORKS AND HEAVY CONSTRUCTION. CONFORTABLE, SAFE AND PRODUCTIVE.

- Load capacity for 28 ton
- Fully automatic traction with hydraulic retarder.
- 6x6 Drive
- 100% lock

- Modern lines
- Great autonomy
- Greater comfort

# Engine

Scania DC9 60A / 284 cv / 104 kgfm at 1400 Rpm

#### **Axles**

Planetary axles with total reduction of 14,56:1
Front axles and rearmost rear axle with total differential lock.
Anterior rear axle with interaxle differential.
Longitudinal lock among the three axles on transfer case and interaxle.

#### Transmission

ZF Ergopower 6WG-210 auto-shift with 6 speeds forward and 3 reverse, with hydraulic retarder brake.

# Chassis

Composed of three modules: front, rear and articulating pivot. Built in highly resistant material.

# Tires

Front and Rear: 20,5 R 25

#### Suspension

Front: "all terrain" type on 4 points, with two rubber air bags, automatic leveling valve, 4 hydraulic shock-absorbers and stabilizer. Rear: "all terrain" tandem bogie type, rubber dampers, stroke limiters and individual oscillation between axles.



#### Brake system

Service:

Disc brake on the six wheels actuated by air over oil. Double circuit. Two calipers actuate on front axle and four calipers actuate on center and rear axles (in compliance with SAE J1473 Standard).

In the event of air pressure fall or low air pressure, the brake is actuated by the spring brake action, in accordance with ISO 3450 Standard.

Emergency:

Disc brake on the six wheels actuated by the spring brake. In the event of air pressure fall or low air pressure in the system, the brakes are automatically actuated.

# Hydraulic system

Double-acting cylinders and brake on stroke limiter, assembled on the body sides, enabling a tipping angle of 68°.

Four-position control valve: DUMP - HAULT - RETURN - FLOAT.

Tipping time: 15s Return time: 11s

Double hydraulic gear pump:

Flow:......154 + 72lpm at 180 bar.

Maximum working pressure:.....175 bar The flow of pumps combine for tipping action

# Dump body

Built in U-beam structural steel plate. Internal lining in steel plate highly resistant to wear.

# Steering system

Two double-acting cylinders acting directly on articulating pivot, controlled by a servostat with load sensor that pilots a priority valve, providing in the servostat only the oil necessary for the moment.

#### Cab

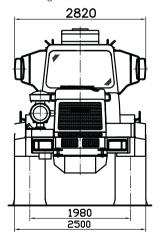
All steel cab with four attachment points, vibration dampers, thermal-sound insulation, operator's center seat with hydraulic suspension and passenger seat. Convex rear-view mirrors.

# Panel

Air manometer Engine water thermometer Fuel level indicator Hourmeter Speedometer

**DIMENSIONS** 

Engine rpm indicator Engine oil manometer Transmission oil thermometer Fail sensor (warning light indicates wh the engine must be switched off).



# Electric system

Transformer:24/12V Voltage: 24V Battery:2 units of 12V

Charge capacity: 2x150Ah Start capacity:2x480A Alternator: 28v e 65A

# Standard equipment

Adjustable steering column

Cab light

Ducts for dump body heating Turning lights and blinkers Open door limiter Engine protection plate

Adjustable seat with hydraulic

suspension Horn

Convex rear-view mirrors

Rear trailer pin Back-up alarm Back-up light

Fault unit Safety belt Passenger's seat Tire inflation valve Windshield washer

Automatic emergency steering pump

Fire extinguisher

Raised body safety system Protection screen for rear glass Dump body reinforcement for

operation with rocks

# Optional equipment

Air conditioning Radio and CD player Cab heat Rear windshield with wiper and Engine cold start kit washer

Alcohol injection in the pneumatic system Tailgate

# Operating data

Maximum speed: 48 km/h Minimum turning radius: 9,06 m Minimum tunnel width: 9,37 m

Load capacity: 25.400 kgf (28 short ton) Dump Body volume: Struck 12,7 m<sup>3</sup> Heaped 2:1 15,5 m<sup>3</sup>

External width / body internal width: 2,59m / 2,50m

Weight (empty): Front axle - 10090 Kg Rear axle - 10970 Kg

(loaded): Front axle - 14700 Kg

Rear axle - 31860 Kg

Tare: 21060 Kgf

Crankcase + Filters

Fuel tank

# Service capacities

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