

## **KZ-28 VIBRATOR**

### **Technical specifications**

#### Vibrator actuator

**Model** P-wave vibrator; kz-28

**Peak force** 61800lbf

**Frequency** 6-250HZ

**Mass weight** 10200 lbs usable stroke(peak to peak)

**Piston Area** 137.87 sq. cm

**Base plate weight** 1550kg

**Base plate area** 2.55m<sup>2</sup>

**Lift system** four guide rods, two lift cylinders

**Balance method** 2-airbags(automatic charged) Goodyear

**Isolation method** 6-airbags(automatic charge) Goodyear

**Vibrating system pressure** H: 3150psi(21.6Mpa)

L:150 psi(21.6Mpa)

**Servo valve** Atlas 200H-MC

**Pilot valve** Moog Pilot 760C928A 24v

**Filterability** PALL suction filter 10μ H.P and L.P filter 3μ Servo filter 3μ

**Hydraulic system** closed-loop

**Heat Exchanger** OILER (Australia) heavy duty exchanger

#### **Chassis 4 x 4**

**Engine** DEUTZ BF6M1015C [400HP @ 1800rpm](#)

**Air filter** MANN heavy duty with pre-cleaner

**Fuel filter** Pre-filter with water separator and fuel filter.

**Transmission** OMSI 2-speed gear box pneumatic shift

**Pump drive** HANSA 3-pumps drive with engine flexible coupling

**Pump** Denison p14

**Drive pump** SAUER 90 series

**Drive motor** SAUER 90 series

**Axles** SOMA planetary axle with NO-SPIN differential

**Steering** front wheel, hydraulic power steering

**Brake system** **Service** drum brakes acted on four wheels and disc brake act on the rear of the gear box

**Parking** mechanical spring brakes act on rear axle and disc brake act on the rear of the gear box

**Suspension** **Front** 14° oscillation center joint

**Rear** rigid

**Cab** Welded construction, high visibility

Adjustable driver and passenger seat, 3-point safety belt

Air-conditioning, heater

**Speed** Off-road 2.8km/h, 7.5km/h

Road 8.5km/h, 28km/h

**Turning radius** 14m

**Grade ability** 60%(31° )

**Winch-capacity** 150KN

**Fuel tank** 800L

**Tires** 67\*34-25(TL)

**Weight** 29500kg