

# Chengdu Svoda Machinery Equipment CO.,Ltd

## Terex tr100 specification

High torque reserve, economical Cummins engine

Electronically controlled automatic shift Allison transmission

Full hydraulic disc brake and dual retard settings

Panoramic, low noise comfort cab

**Maximum Payload: 91 tonne (100 US ton)**

**Heaped Capacity: 57.0 m<sup>3</sup> (74.5 yd<sup>3</sup>)**

**Maximum Gross Vehicle Weight: 160 000 kg (352 734 lb)**

**Gross Power: 783 kW (1050 hp)**

### **Cummins Engine:**

Model:Cummins KTA38-C

Type:4-stroke, turbocharged / intercooled, direct injection

Gross Power @2100rpm: 783 kW(1050 hp)

Net Power @2100rpm: 727 kW(975 hp)

Fabricated Full box section frame with integral front bumper and closed loop crossmember. Crossmember and rear torque tube and tail seat connections with frame rails are high strength alloy Castings.

**Tyre** Standard: Front and Rear 27.00-49(48PR) E-4

Rim Width ..... 19.5 in

Consult tyre manufacturers for optimum tyre selection and correct- km/h (ton-mile/h) capacity for application.

**Brakes**-All hydraulic brake control system. Transmission mounted pressure compensating piston pump provides hydraulic pressure brakes and steering.Independent circuits front and rear.

Front brake: Brake Disc Diameter ..... 965 mm(38 in)

Lining area: front axle ..... 2064 cm<sup>2</sup> (320 in<sup>2</sup> )

Rear brake: Total Brake area..... 87567 cm<sup>2</sup> (13573 in<sup>2</sup> )

**Steering**:Independent hydrostatic steering with closed- centre steering valve,accumulator and pressure compensating piston pump.

Accumulator provides uniform steering regardless of engine speed. In the event of loss of engine power it provides steering of approximately two lock-to-lock turns.

A lowpressure indicator light warns of system pressure below 82 bar (1 186 lbf/in<sup>2</sup> ). Steering conforms to ISO 5010, SAE J53.

Maximum tyre steering angle-degrees:39

**Hoist:**Two body hoist cylinders are mounted between the frame rails.

Cylinders are two-stage with power down in the second stage.

The body hydraulic system is independent of the steering hydraulic system.

System Pressure..... 190 bar (2 750 lbf/ in<sup>2</sup> )

Body Hydraulic Pump Flow Rate

@ 2 100 rev/ min.....365 litre/ min (97 US gal/min)

Body Raise Time..... 16.3 Seconds

Body Lower Time ..... 18 Seconds

**Body:**Longitudinal 'V' type floor with integral transverse box-section

Stiffeners.

The body is exhaust heated and rests on resilient impact absorption pads full time exhaust is optional.

Body floor wear surfaces are high hardness abrasion resistant steel of yield strength. ROPS Cabguard SAE J1040 Feb 86. ISO3471

Thickness: Floor ..... 19 mm (0.75 in)

Side..... 10 mm (0.39 in)

Front, lower ..... 10 mm (0.39 in)

Volumes: Struck (SAE) .....41.6 m<sup>3</sup> (54.4 yd<sup>3</sup>)

Heaped 2: 1 (SAE) .....57.0 m<sup>3</sup> (74.5 yd<sup>3</sup>)

**Best regards**

**Vicky Hu**

**Company name:Chengdu Svoda Machinery Equipment Co., Ltd**

**Mobile:+8618982262367(whats app & Wechat)**

**QQ:3407144712**

**Skype:vicky\_hucd**

**Email:sales@chinasvd.com**