



**SANY**



# SANY Composite 6×4 525 TRACTOR

## KEY FEATURES

Anti-Lock Braking System (ABS)
Anti-Slip Regulator (ASR)
Electronic Stability Control System (ESC)
High Roof Flat Floor Standard Cab With Two Berths
Color Liquid Crystal Instrument
Electrically Heated Rearview Mirror
Luxury Leather Airbag Damping Seats
1100mm Permed And Polished Top Grade Fabric Zero Pressure Berth
Integrated Double Control Sleeper Combination Switch
Rear Enclosure Storage Box
Four Point Jet Wiper
Front Shade + Left Square Shade
Guide Hood (Top + Side)

## KEY SPECIFICATIONS

GVW	9,500kg
GCW	8,000kg
POWER	517hp/380kW
Torque of Engine	2156N·m
Transmissions	12-Speed Gearbox
Piston Displacement	12.12L
Height of the Fifth Wheel	1290±50mm
Drive Mode	6×4
Overall Dimension (L×W×H)	7115×2545×3950mm
Wheelbase	3450+1400mm
Type of Suspension	Leaf at Front and Rear
Tyre Specification	295/80 R22.5
Cab mode	Overhead + flat floor+ Long mode

## ENGINE

Model	D12C5-517E0
Max Output (ISO Net)	517hp/380kW @ 1900RPM
Max Torque (ISO Net)	2156Nm @ 1100-1,500 RPM
Max Engine Speed	2,100 RPM
Engine Compliance	Euro 5 STD
Type	Turbocharged & Intercooled, 6 cylinder in-line, overhead camshaft & fluid cooled
Combustion System	Direct Injection
Bore & Stroke	131 x 150mm
Piston Displacement	12.12L
Compression Ratio	17.0: 1
Engine Oil Capacity	30L
Fuel Injection System	High Pressure Common Rail System
Air Intake System	Stack-type
Air Cleaner	Dual paper elements
Cold-Start System	SEG HXF95-L-24V

## PERFORMANCE

Calculations Based On 49t GVW With 295/80 R22.5 Drive Tyres	
Max Theoretical Speed (km/h)	114
Economic Speed (km/h)	60-80
Gradeability tan θ(%) @ GVM	25
Speed Limited To (km/h)	90

## BRAKES

Type	Full Air, dual circuit
Auto adjusters	Equipped
Anti-lock Braking System (ABS)	Equipped
Anti-Slip Regulator (ASR)	Equipped
Electronic Stability Control System (ESC)	Equipped
Air Dryer	Equipped
Park Brake	Spring Brake acting on rear wheels
Variable Valve Exhaust Brake	Equipped

## TRANSMISSION & GEAR RATIOS

Make & Description	Automatic		Manual	
	FAST 12 Speed With Electronic Control		FAST 12 Speed With Cable Control	
Type	Overdrive		Overdrive	
Gear Ratios	1	12.26	1	12.10
	2	9.56	2	9.52
	3	7.36	3	7.31
	4	5.73	4	5.71
	5	4.52	5	4.46
	6	3.52	6	3.48
	7	2.71	7	2.71
	8	2.11	8	2.13
	9	1.62	9	1.64
	10	1.27	10	1.28
	11	1.00	11	1.00
	12	0.78	12	0.78
	REV1	11.28	REV1	11.57
REV2	8.79	REV2	2.59	
Rear axle Ratio	4.266		4.266	

## AXLE, SUSPENSION & LOAD LIMITS

FRONT	Front Axle Model	HANDE 7.5t
	Type	I-Beam
	Suspension	3 leaf
	Spring Dimensions	28.5×90×1800mm
	Spring Rate	430N/mm
	Axle Limit (Including Suspension)	7500kg
	Tyre Limit	7100kg
REAR	Rear Axle Model	HANDE Z300 13t Double reduction axle
	Type	Fully floating, Double reduction, hypoid
	Suspension	5 leaf
	Spring Dimensions	36×90×1650mm
	Spring Rate	4000 N/mm
	Axle Limit (Including Suspension)	26000kg
	Tyre Limit	26000kg

## THE FIFTH WHEEL

Brand	JOST
Model	JSK35DVS-22
Pin	50#
Height	175mm
Vertical Load	22t
D	165kN
Longitudinal Angular	15°
Height of the Fifth Wheel	1290mm

## FUEL TANK

Material	Aluminium
Capacity	800L
Lockable cap	Equipped
Pre Filter & sedimenter	Equipped

## STEERING

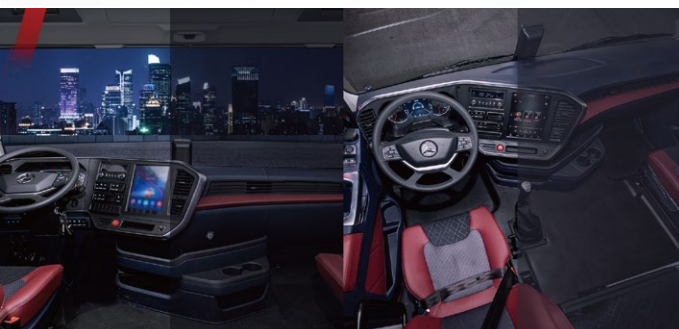
Type	Telescopic & tilt steering column with locking device Recirculating ball with internal Power Steering	
Steering Angles	Inner 38°	Outer 31°
Cylinder Diameter of Power Steering Gear	120mm	

## WHEELS & TYRES

Material	Front	Steel
	Rear	Steel
Tyre Speed Class	K	
Rim Size (in)	22.5	
Tyre Size	295/80 R22.5	
Number of Tyres	Front	2
	Rear	8
Spare Tyre Carrier	Equipped	

## CHASSIS FRAME

Type	Wide at front and narrow at back, sectional type	
Chassis Outer Width (At Front)	940mm	
Chassis Outer Width (At Rear)	850mm	
Main Section (mm) Depth X Flange X Thickness	300×80×8	
Front Underrun Protection (FUP)	Equipped	
Front And Rear Tow Hook	Equipped	
Local Reinforcement	5mm	



## ELECTRICAL

Type	24V, negative earth	
Batteries	12V x 2, series connection, 220 Ah	
Alternator Type	Brushless, with built-in regulator	
Capacity	28V, 80 Amp	
Starter Type	24V, 5.0 kW	
High/Low Beam	Halogen type	
LED Headlamps	Equipped	
LED Clearance Lamp	Equipped	
Fog Lamps	Halogen type	
LED Step Light Lamp	Equipped	
Electric Air Horn	Equipped	
Cigarette Lighter	Equipped	
24V Power Supply Port	Equipped	
Inverter	1000W 220V	

## CABIN

Type	Overhead + flat floor+ Long model	
Lifting Form	Electro-hydraulic lift	
Seating Capacity	2	
Driver's Seat	Luxury leather vibration absorbing seats lumbar support, multi adjustable, air suspended, with integrated safety belt	
Passenger's Seat	Urethane foam pads, high-back & reclining seat with fabric cover, air suspension	
Seat Belt	3-point type	
Sun Visor And Overhead Console	For driver & passenger sides	
Windshield Wipers	Electric, dual & Four point injection	
Ventilator	Forced type by electric blower	
Rear View Mirrors	External: Electric Control & heated flat type, Convex spotters both sides and Left side kerb view	
Central Locking & Keyless Entry	Equipped with immobiliser	
Heater And Defroster	Standard	
Air Conditioner	Standard	
Auxiliary Heating	Standard	
Trim	Full trim type (side, roof & back)	
Cab Pockets	Equipped on both door sides	
Power Windows	Equipped	
Multi Media System	7" LCD, HD touch screen display with DAB+ AM/FM radio, AAUX input, Bluetooth®, Android CANBUS connection	
Speakers	Equipped	
Glonass	Equipped	
Foot Rest	Equipped	
Air Deflector	Equipped	
Cup Holders	Equipped	
Cruise Control	Equipped	