

MOMAC

LOVOL



DUMP MINING TRUCK

LT105E

LT105E DUMP MINING TRUCK

SPECIFICATION

VEHICLE PARAMETER

GROSS VEHICLE WEIGHT	105000KG
CURB WEIGHT	38500KG
PAYLOAD MASS	70000KG
OVERALL DIMENSIONS (LxWxH)	9950MMx3750MMx4200MM
WHEELBASE	4200MM + 1750MM
TREAD	2800MM/2630MM/2630MM
MAX. GRADEABILITY	30%
MIN. TURNING DIAMETER	22M
MIN. GROUND CLEARANCE	345MM
MAX. VEHICLE SPEED	40KM/H

AXLE LOAD

LADEN (T)	25/40/40
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ENGINE

MODEL	TZ220XSWDM0462
POWER	520KW
SPEED	12000(R/MIN)
TORQUE (N*M)	960/ (0-5200)

DRIVE AXLE

TYPE	CENTRAL, HUB PLANETARY TWO-STAGE REDUCTION, WITH INTER-AXLE DIFFERENTIAL LOCK
OVERALL GEAR RATIO	18.772
RATED AXLE LOAD	40000KG
BRAKE TYPE	CAM DRUM BRAKE

FRONT AXLE

RATED AXLE LOAD	25000KG
BRAKE TYPE	CAM DRUM BRAKE

AIR FILTER ASSEMBLY

MODEL	GENERAL AIR FILTER
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WHEEL

TYRE SIZE	16.00R29 ★★★
RIM SIZE	11.25-25



LT105E

CURB WEIGHT(KG)	38500KG
MAX. GRADEABILITY	30%
ENGINE POWER(KW)	520KW

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CLUTCH

MODEL /

TRANSMISSION

MODEL 4TR180
GEAR POSITION 15.491/10.812/7.594/4.073
MAX. INPUT TORQUE (N.M) 1840

RADIATOR

STRUCTURE PLATE-FIN RADIATOR

FUEL SYSTEM

VOLUME (L) /

STEERING SYSTEM

BOOSTER TYPE FULL HYDRAULIC STEERING
SYSTEM PRESSURE 17.5MPA
FLOW 37.5L/MIN

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BRAKING SYSTEM

SERVICE BRAKE	DOUBLE-CIRCUIT DRUM TYPE AIR BRAKE
PARKING BRAKE	SPRING ENERGY-STORAGE AIR-BREAK BRAKING WITH EMERGENCY BRAKING
AUXILIARY BRAKE	MOTOR RETARDER+EDDY CURRENT RETARDER
SYSTEM PRESSURE	10 BAR
PARKING SLOPE (%)	30 (UPHILL) / 20 (DOWNHILL)

SUSPENSION

FRONT SUSPENSION	FIVE-LINK HYDRO-PNEUMATIC SUSPENSION
THICKNESS / WIDTH / NUMBER OF LEAF SPRINGS	180/150-220
REAR SUSPENSION	LEAF SPRING BALANCED SUSPENSION
THICKNESS / WIDTH / NUMBER OF LEAF SPRINGS	30/120/15

DUMPING LIFT MECHANISM

TYPE	FRONT LIFT-191
RATED PRESSURE	20MPA
MAX. DUMPING ANGLE	48°

DRIVER'S CABIN

TYPE	LEFT HAND DRIVE, SEMI-FLOATING
SHOCK-ABSORBING SEAT	UPWARD/DOWNWARD, FORWARD/ REARWARD ADJUSTABLE, BACKREST ANGLE ADJUSTABLE

FRAME

TYPE	HIGH-STRENGTH STEEL FLEXIBLE FRAME (1150x380x120 (10+10+8))
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ELECTRICAL SYSTEM

POWER SUPPLY	24V SINGLE WIRE SYSTEM, NEGATIVE EARTH
STARTING METHOD	KEY SWITCH

CARGO COMPARTMENT

LxWxH	6200MMx3500MMx1950MM
CARRIAGE BOX VOLUME CAPACITY	40M ³ (FLAT CARRIAGE)
PLATE THICKNESS	DH (NM400) , B10 (I700) D: BOTTOM PLATE THICKNESS H: BACK DOOR THICKNESS B: FRONT PLATE AND SIDE PLATE THICKNESS

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As manufacturer, LOVOL has right to constantly upgrade and improve our products without informing to customers. The pictures in literatures are for reference only, the detailed specifications are subject to real products.

