

LM-Trac 687

ENGINE

Mark	Cummins 97kW/488Nm
Model	QSF3.8 Turbodiesel
Emission class	AGR, TCR. Stage IV / Tier 4 Final
Type	4-cylinder turbo charged diesel in-line engine
Cylinder displacement	3800cm ³
Power	97kW/2300 ^r / _{min}
Torgue	488Nm/1600 ^r / _{min}

POWER TRANSMISSION

Type	Hydrostatic four wheel drive
Max pulling force	51kN
Constructional driving speed	
Backward and forward	0-40 ^{km} / _h
Reversal	Electric hydraulic
Other	Articulated shaf max angle 22,5°

WEIGHTS AND DIMENSIONS

Unladen weight front/back	5700kg, 2350kg/3350kg (41%/59%)
Max front axel mass	6600kg/40 ^{km} / _h , 8500kg/10 ^{km} / _h
Max rear axel mass	6600kg/40 ^{km} / _h , 7500kg/10 ^{km} / _h
External dimensions	Lenght=5290mm Width= 1960mm Height=2415mm

Other

AXELS

FRONT

Static load bearing capacity	160kN
Dynamic load bearing capacity	80kN
Inclination	-
Lock	Electro-hydraulic controlled 100%

REAR

Static load bearing capacity	160kN
Dynamic load bearing capacity	80kN
Inclination	+/-12°
Lock	-

TYRES

Mark, model	Nokian Hakkapeliitta TRI
Size	420/65R24
Load bearing capacity	3260kg/50 ^{km} / _h 4320kg/10 ^{km} / _h
Other	

ELECTRICAL SYSTEM

Generator	135A
Accumulators	12V 140Ah
Start motor	12V 4,8kW
Other	7" control display

FILLING CAPACITIES

Fuel tank	75l
Hydraulic oil tank	160l
Other	
<hr/>	
BRAKES	
Drive brake	Wet-disc brakes front and rear axle
Parking brakes	Effect to front axle, electro-hydraulic
Other	
<hr/>	
STEERING	
Type	Hydrostatic articulated.
Turning angle	+/-45°
Turning radius	inside 1980mm, outside 3970mm
Control	Dynamic alternating capacity with LS-Orbitrol drive valve and emergency.
Other	
<hr/>	
WORK HYDRAULICS	
Pump	Load sensitive hydraulics system
Capacity and pressure	Sauer Danfoss 75cm ³ variable displacement pump. 195 ^l / _{min} , 200bar
Motorhydraulics	0-160 ^l / _{min} Continuous control in cabin.
Filtering	Returning filter.
Control	Electrical controlled proportionalventils.
Other	
<hr/>	
FRONT LIFTING MECHANISM	
Options for instant fastening	Kunta500, Trima, Volvo, Vila.
Lifting power 500mm from fastening	up to 1590mm 32,9kN up to 3210 27,3kN
*-marked values Kunta500.	
* Dump weight machine straight	36,5kN
* Dump weight machine in 45 degrees	30,4kN
* Disconnecting power	26kN
* Dumping height	2600mm
* Dumping distance	815m
* Filling angle	40°
* Dumping angle	40°
Control	Electrical controlled proportionalventils.
Fastening of work appliance (implement)	Hydraulic
<hr/>	
REAR LIFTING MECHANISM	
Options for instant fastening	Kunta500, Trima, Vila.
Lifting power on instant fastening up and down	27kN / 30kN
Other	
<hr/>	
CABIN	
	Safety cabin approved by ISO3471 and ISO3449
Other	
<hr/>	
NOISE	
Inside	69dBA
Outside	102dBA
Other	
<hr/>	