

Mass/Dimensions

Model	Vehicle type	6C18		6C18D		
	Cab type	Wide, Single		Wide, Double		
	Mark	467.765.12	467.767.12	467.767.14		
	Model code	FE84SE6SLEA3	FE84SG6SLEA3	FE84SG6SLEA3		
	Crew	3		7		
DIMENSIONS mm						
Wheelbase		3350	3850	3850		
Overall length		5970	6690	6690		
Cabin length		1613		2613		
Overall width				2050		
Cabin width				1995		
Overall height, approx.		2225		2265		
Tread	Front			1665		
	Rear			1560		
Frame height (back of chassis) approx.		782	782	779		
Ground clearance, approx.				180		
Cab to rear axle		2825	3325	2365		
Cab to frame end		4365	5085	4085		
Max. body length		4735	5535	4530		
Frame width				753		
Front overhang				1140		
Rear overhang (to frame end)		1480	1700	1700		
Front axle to beginning of body		625		1625		
Recommended cab to body gap				100		
WEIGHTS kg						
Curb weight (kg) *	Front * / Rear *	2490	2505	2705		
		1685	805	1705	800	1800
Max. GVW	Front / Rear	2640		6500		
				4750		
Max. GCW				10000		
Chassis Payload		4010	3995	3795		
CALCULATED PERFORMANCE						
Max. speed	km/h	139 (final 4.111 w/o SLD)				
Max. gradeability	(tan α)%	41.5 (final 4.444)				
Min. turning radius (m)	Curb to curb	6,0			6,8	
	wall to wall	6,7			7,5	

* including coolant, oils, 90% fuel, tire fit, tools and 75 kg driver ** calculated maximum value. Should be checked based on installed body and application *** Without speed limiter device (SLD)

Technical specifications

ENGINE					
Model		4P10-OAT6			
Type		4stroke, turbo-charged water cooled direct injection diesel engine with intercooler			
No. of cylinders		4 in line			
Piston displacement		2,998 cm ³			
Max. output (EEC)		129kW (175PS) / 3,500rpm			
Max. torque (EEC)		430Nm / 1,600rpm			
Air cleaner		Dry type with paper element with snorkel			
Alternator		A.C. 12 Volt, 110 Amp (Opt. A.C. 12 Volt, 140 Amp)			
Exhaust gas recirculation (EGR)		Cooled (tube type)			
Aftertreatment		Ceramic Diesel Particulate Filter (DPF) and Selective Catalytic Reduction (SCR)			
DRIVE LINE					
Clutch	Model	C3W28			
	Type	Hydraulic control, Single dry plate			
	Facing material	Woven (Asbest free)			
	Facing outside dia.	275mm			
Transmission	Model	M037S6 (6S420)			
	Type	6 forward and 1 reverse speed, synchromesh on all gears			
	Gear ratio	5.152 - 3.022 - 1.956 - 1.360 - 1.000 - 0.799, Rev. 4.636			
Propeller shaft	Model	P3			
	Type	Tubular, forged steel ends			
Final reduction gear	Model	D033H			
	Type	Single reduction, hypoid gear			
	Ratio	4,444			
		(Opt. 4.111 / 4.875 / 5.285)			
CHASSIS					
Front axle	Model	F300T			
	Type	Reverse Elliot "I" beam			
	Rating	2,500kg			
Rear axle	Model	R033T			
	Type	Full floating type			
	Rating	4,500kg			
Tyre		225/75 R16C 118/116N			
Wheel		Single front, dual rear			
Steering		16 x 6K - 127 - 9t - 6 stud, 1 piece (Single nut type)			
Brake		Left hand drive			
	Service	Ball nut type with integral type hydraulic power booster, tilt and telescopic column with steering lock			
		Hydraulic with vacuum servo assistance, dual circuit with Load Sensing proportioning Valve at rear wheels			
		(Effective dia. x piston dia. x number of piston/caliper)			
		Front	235mm x 51mm x 2 Caliper (disk)		
	Rear	235mm x 51mm x 2 Caliper (disk)			
	Parking	Mechanical internal expanding type on drive shaft at rear of transmission			
	Auxiliary	Exhaust brake			
Suspension	Type	Semi-elliptic laminated leaf spring with stabilizer on front and rear axle			
		(Span mm x width mm x thickness mm - No. of leaves)			
	Front	1500 x 70 x 18 - 2			
	Rear/main	1250 x 70 x 10 - 1, 11 - 5			
	Rear/helper	990 x 70 x 11 - 4			
Shock absorbers		Hydraulic double acting telescopic type on front and rear axles			
Frame		Parallel tapered channel section with reinforcements and crossmembers			
	Max. section	193mm x 61.5mm x 6mm (depth x upper flange x thickness)			
Fuel tank capacity		100 lts			
Electrical system - batteries		12 Volts, regulated control (100AH-760A(EN))			
CAB					
Construction		Tilt type with torsion bar		Fixed	
		All steel welded construction			

Remark: Above information given is based on homologation data November 2008