

Mass/Dimensions

Model	Vehicle type	7C18				7C18D			
		Wide, Single				Wide, Double			
Mark		467.865.12	467.867.12	467.868.12	467.869.15	467.867.14	467.868.14	467.868.14	467.868.14
Model code		FE85SE6SLEA3	FE85SG6SLEA3	FE85SH6SLEA3	FE85SJSLEA3	FE85SG6WLEA3	FE85SH6WLEA3	FE85SG6WLEA3	FE85SH6WLEA3
Crew		3							
DIMENSIONS mm									
Wheelbase		3350	3850	4200	4470	3850	4200	3850	4200
Overall length		5970	5970	7600	7560	6690	7040	6690	7040
Cabin length		1613				2613			
Overall width		2030				2030			
Cabin width		1995				2030			
Overall height, approx.		2250				2275			
Tread	Front	1665				1665			
	Rear	1560				1560			
Frame height (back of chassis) approx.		777	777	776	815	774	774	774	774
Ground clearance, approx.		195				195			
Cab to rear axle		2825	3325	3675	3945	2365	2715	2365	2715
Cab to frame end		4365	5085	5995	5995	4125	4475	4125	4475
Max. body length		4735	5535	6095	6527	4530	5095	4530	5095
Frame width		753				753			
Front overhang		1140				1140			
Rear overhang (to frame end)		1480	1700	2260	1950	1700	1700	1700	1700
Front axle to beginning of body		625				625			
Recommended cab to body gap		100				100			
WEIGHTS kg									
Curb weight (kg) *		2550	2580	2625	2700	2785	2815	2785	2815
	Front * / Rear *	1685 / 865	1715 / 865	1725 / 900	1720 / 980	1815 / 970	1835 / 980	1815 / 970	1835 / 980
Max. GVW		7500				7500			
	Front / Rear	3100				5200			
Max. GCW		11000				11000			
Chassis Payload		4940	4920	4875	4800	4715	4685	4715	4685
CALCULATED PERFORMANCE									
Max. speed	km/h	131 (final 4.875)				131 (final 4.875)			
Max. gradeability	(tan q)%	38 (final 4.875)				38 (final 4.875)			
Min. turning radius (m)	Curb to curb	6,0	6,8	7,4	7,8	6,8	7,4	6,8	7,4
	wall to wall	6,7	7,5	8,0	8,5	7,5	8,0	7,5	8,0

* 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: D035H Type: Single reduction, hypoid gear Ratio: 4,875 (Opt. 5.285 / 5.714)
CHASSIS	
Front axle	Model: F350T Type: Reverse Elliot "I" beam Rating: 3,100kg
Rear axle	Model: R035T Type: Full floating type Rating: 5,200kg
Tyre	205/75R17.5C 124/122M / 205/75R17.5C 123/121M Single front, dual rear
Wheel	17.5 x 6.00 - 127 - 9t - 6 stud, 1 piece (Single nut type)
Steering	Left hand drive
Brake	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: 252mm x 54mm x 2 Caliper (disk) Rear: 252mm x 54mm 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 1300 x 70 x 11 - 2, 14 - 2 1250 x 70 x 10 - 1, 11 - 5 Rear/helper: 990 x 70 x 12 - 4
Shock absorbers	Hydraulic double acting telescopic type on front and rear axles
Frame	Type: 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