

## Mass/Dimensions

Model	Vehicle type Cab type	7C15					7C15D		
		Wide, Single					Wide, Double		
Mark		467.853.12	467.855.12	467.857.12	467.858.12	467.859.12	467.857.14	467.858.14	
Model code		FE85SC6SLEA5	FE85SE6SLEA5	FE85SG6SLEA5	FE85SH6SLEA5	FE85SJSLEA5	FE85SG6WLEA5	FE85SH6WLEA5	
Crew		3					7		

## DIMENSIONS mm

Wheelbase		2750	3350	3850	4200	4470	3850	4200	
Overall length		5160	5970	6690	7600	7560	6690	7040	
Cabin length		1613					2613		
Overall width		2030				2130	2030		
Cabin width						1995			
Overall height, approx.		2250				2260	2275		
Tread	Front					1665			
	Rear	1560				1660	1560		
Frame height (back of chassis) approx.		778	778	778	777	816	775	774	
Ground clearance, approx.		195							
Cab to rear axle		2225	2825	3325	3675	3945	2365	2715	
Cab to frame end		3545	4365	5085	5995	5955	4125	4475	
Max. body length		3775	4735	5535	6095	6527	4530	5095	
Frame width		753				840	753		
Front overhang						1140			
Rear overhang (to frame end)		1260	1480	1700	2260	1950	1700	1700	
Front axle to beginning of body		625					1625	1625	
Recommended cab to body gap						100			

## WEIGHTS kg

Curb weight (kg) *		2480	2520	2550	2595	2670	2760	2790	
	Front * / Rear *	1655   825	1680   840	1705   845	1705   890	1710   960	1815   945	1830   960	
Max. GVW		7500							
	Front / Rear	3100				5200			
Max. GCW		11000							
Chassis Payload		5020	4980	4950	4905	4830	4740	4710	

## CALCULATED PERFORMANCE

Max. speed	km/h	125 (final 4.875)						
Max. gradeability	(tan q)%	32 (final 4.875)						
Min. turning radius (m)	Curb to curb	10,2	12	13,6	14,8	15,6	13,6	14,8
	wall to wall	11,4	13,4	15	16	17	15	16

\* 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-OAT3
Type	4 stroke, turbo-charged water cooled direct injection diesel engine with intercooler
No. of cylinders	4 in line
Piston displacement	2,998 cm <sup>3</sup>
Max. output (EEC)	107kW (145PS) / 3,500rpm
Max. torque (EEC)	370Nm / 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)
DRIVE LINE	
Clutch	Model Type Facing material Facing outside dia.
	C3W28 Hydraulic control, Single dry plate Woven (Asbest free) 275mm
Transmission	Model Type Gear ratio
	M037S6 (6S420) 6 forward and 1 reverse speed, synchromesh on all gears 5.152 - 3.022 - 1.956 - 1.360 - 1.000 - 0.799, Rev. 4.636
Propeller shaft	Model Type
	P3 Tubular, forged steel ends
Final reduction gear	Model Type Ratio
	D035H Single reduction, hypoid gear 4,875 (Opt. 5.285 / 5.714 / 6.166)
CHASSIS	
Front axle	Model Type Rating
	F350T Reverse Elliot "I" beam 3,100kg
Rear axle	Model Type Rating
	R035T Full floating type 5,200kg
Tyre	205/75R17.5C 124/122M / 205/75R17.5C 123/121M Single front, dual rear
Wheel	17.5 x 6.00 - 127 - 6 stud
Steering	Left hand drive
Brake	Service Front Rear Parking Auxiliary
	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 TBC TBC Mechanical internal expanding type on drive shaft at rear of transmission 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 Rear
	1500 x 70 x 18 - 2 1250 x 70 x 10 - 1, 11 - 5 1300 x 70 x 11 - 2, 14 - 2 1250 x 70 x 10 - 1, 11 - 5
Shock absorbers	990 x 70 x 12 - 4 1050 x 70 x 10 - 1, 12 - 1, 13 - 1, 11 - 2 990 x 70 x 12 - 4
Frame	Type Max. section
	Hydraulic double acting telescopic type on front and rear axles Parallel tapered channel section with reinforcements and crossmembers
Fuel tank capacity	193mm x 61.5mm x 6mm ( depth x upper frange x thickness)   226 x 70 x 6 mm   193 x 61,5 x 6 mm
Electrical system - batteries	100 lts 12 Volts, regulated control (100AH-760A(EN))
CAB	
Construction	Tilt type with torsion bar All steel welded construction
	Fixed

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

## 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		FE85SE6SLEA6	FE85SG6SLEA6	FE85SH6SLEA6	FE85SJSLEA6	FE85SG6WLEA6	FE85SH6WLEA6	FE85SG6WLEA6	FE85SH6WLEA6
Crew		3							
<b>DIMENSIONS mm</b>									
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			
<b>WEIGHTS kg</b>									
Curb weight (kg) *		2560	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
<b>CALCULATED PERFORMANCE</b>									
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

<b>ENGINE</b>	
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 <sup>3</sup>
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)
<b>DRIVE LINE</b>	
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: Tubuler, forged steel ends
Final reduction gear	Model: D035H Type: Single reduction, hypoid gear Ratio: 4,875 (Opt. 5.285 / 5.714)
<b>CHASSIS</b>	
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))
<b>CAB</b>	
Construction	Tilt type with torsion bar   Fixed All steel welded construction

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