

1	Lifting data		
1.1	Lift capacities (at load center L1/L2/L3)	kg	45000 / 40000 / 22000
1.2	Lift capacities (at load center L1/L2/L3, at max lifting height)	kg	45000 / 40000 / 22000
1.3	Load centers (L1/L2/L3)	mm	2100 / 3850 / 6350
1.4	Lifting speed, unloaded/at rated load	m/s	0,45/0,28
1.5	Lowering speed, unloaded/at rated load	m/s	0,36/0,42
2	Driving speed		
2.1	Drive speed forward (unloaded/at rated load)	km/h	25/25
2.2	Drive speed reverse (unloaded/ at rated load)	km/h	25/25
2.3	Max incline (unloaded/ at rated load)	%	30/25
2.4	Towbar pull max	kN	320
3	Weight		
3.1	Service weight	kg	79500
3.2	Axle pressure front (unloaded / at rated load)	kg	38500/103000
3.3	Axle pressure rear (unloaded / at rated load)	kg	41000/21500
4	Engine		
4.1	Engine make / model name		Volvo/ TAD1181VE
4.2	Emission approval EU/US		Stage5
4.3	Fuel		Diesel
4.4	Max Power at rpm	kW / rpm	265kW at 2100rpm
4.5	Max Torque at rpm	Nm / rpm	1785Nm at 1400rpm
4.6	N° cylinders / Displacement	N/cc	6/10840
4.7	Specific fuel consumption	l/h	18 to 20
4.8	Alternator type/power/capacity	/W/Amp	AC/3080/110
4.9	Battery (N°, Voltage, Capacity)	/V/Ah	4, 12, 88
5	Transmission		
5.1	Brand / model		DANA TE 30
5.2	Type		Hydrodynamic
5.3	N° of gears Fw/ Rw		5/3
6	Drive Axle		
6.1	Make /model		Kessler D106
6.2	Type/ width	mm	Rigid/4200
7	Steering Axle		
7.1	Make /model		OMCI/ASF233
7.2	Steering system		Double acting single cylinder
8	Brake System		
8.1	Machine brakes		Wet disc brakes-hydraulic operated
8.2	Parking brakes		Dry disc
9	Wheels		
9.1	Number of Wheels (front + rear) and type		4+2 Pneumatic
9.2	Tire pressure (front + rear)	Bar	10
9.3	Tire dimensions and ply rating (front + rear)		18.00-33 (PR40)
9.4	Rim dimensions (front + rear)		13.00-33
10	Hydraulic System		
10.1	Pumps (number/ type/ Brand)		Two triple piston+gear pumps Parker
10.2	Hydraulic oil cooling system		High efficiency radiator with hydraulic fan
10.3	Max working pressure	Bar	250
11	Cabin		
11.1	Type		Closed cabin with air conditioning
11.2	Internal Noise Level EN12053	db	72
11.2	Mechanical displacement (standard)	mm	2350
11.3	hydraulic displacement (optional)	mm	2350
12	Tanks capacity		
12.1	Hydraulic oil	l	850
12.2	Fuel diesel	l	580
12.3	Ad-Blue	l	45
13	Lift equipment and spreader		
13.1	Spreader type/make/model		Toplift/FTMH/FTSP45
13.2	Spreader locking containers/ trailers		4x top twist locks/ 4 x in corners
13.3	Sideshift stroke	mm	+800
13.4	Pile slope (type and stroke "°")	/mm	Mechanical/+-3°

