

<b>1 Lifting capacities</b>			
1.1	Lift capacities at load center C	kg	20000
1.2	Load center "C"	mm	1225
1.3	Lift height with simplex mast	mm	4000
1.4	Lifting speed (unloaded/at rated load)	m/s	0,36/0,33
1.5	Lowering speed (unloaded/at rated load)	m/s	0,25/0,26
1.6	Mast Tilt Forward/Backward	°	6/12
<b>2 Driving speed</b>			
2.1	Drive speed forward (unloaded/at rated load)	km/h	25/24
2.2	Drive speed reverse (unloaded/ at rated load)	km/h	25/24
2.3	Max incline (unloaded/ at rated load)	%	26/24
2.4	Towbar pull max	kN	150
<b>3 Weight</b>			
3.1	Service weight	kg	28000
3.2	Axle pressure front (unloaded / at rated load)	kg	12000/43100
3.3	Axle pressure rear (unloaded / at rated load)	kg	16000/4900
3.4	Stability factor		1,44
<b>4 Engine</b>			
4.1	Engine make / model name		Volvo/TAD 582 VE
4.2	Emission approval EU/US		Stage 5
4.3	Fuel		Diesel
4.4	Max Power at rpm	kW / rpm	160kW at 2000rpm
4.5	Max Torque at rpm	Nm / rpm	925Nm at 1380rpm
4.6	N° cylinders / Displacement	N/cc	4/5130
4.7	Specific fuel consumption	l/h	10 - 15
4.8	Alternator type/power/capacity	/W/Amp	AC/3080/110
4.9	Battery (N°, Voltage, Capacity)	/V/Ah	2, 12V, 88A
<b>5 Transmission</b>			
5.1	Brand / model		ZF 3WG171
5.2	Type		Hydrodynamic
5.3	N° of gears Fw/ Rw		3/3
<b>6 Drive Axle</b>			
6.1	Make /model		Kessler D81
6.2	Type/ width	mm	Rigido/2500
<b>7 Steering Axle</b>			
7.1	Make /model		OMCI/ASF253
7.2	Steering system		Double acting single cylinder
<b>8 Brake System</b>			
8.1	Machine brakes		Wet disc brakes-hydraulic operated
8.2	Parking brakes		Dry disc
<b>9 Wheels</b>			
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)		12.00-24 (PR20)
9.4	Rim dimensions (front + rear)		8,5-00-24
<b>10 Hydraulic System</b>			
10.1	Pumps (number/ type/ Brand)		One triple gear pumps Parker
10.2	Hydraulic oil cooling system		High efficiency radiator with electric fan
10.3	Max working pressure	Bar	220
<b>11 Cabin</b>			
11.1	Type		Closed cabin with air conditioning
11.2	Internal Noise Level EN12053	db	72
<b>12 Tanks capacity</b>			
12.1	Hydraulic oil	l	350
12.2	Fuel diesel	l	260
12.3	Ad-Blue	l	25
<b>13 Forks</b>			
13.1	Type		"Terminal west"
13.2	Sizes (Lenght x width x thickness)	mm	2450x250x100
13.3	Fork translation and positioner	mm	+/- 410

