



MAIN DIMENSIONS			Metric
Q	Max Capacity	kg	28000
C	Distance from Face of Machine to Center Load	mm	1225
x	Distance from C/L of Front Axle to Face Machine	mm	1050
y	Wheel base	mm	4750
P	Rear Overhang	mm	800
L	Length of truck (w/out attachment)	mm	6600
h3	Fork max Height	mm	6250
h1	Closed Mast Height	mm	5425
h4	Open Mast Height	mm	8550
h6	Cabin Height	mm	3500
h7	Seat Height	mm	2400
m1	Ground clearance midtrack (loaded)	mm	450
m2	Ground clearance lowest point (loaded)	mm	300
a / b	Mast tilting (Forward / Reverse)	mm	5 / 10
B / B1	Overall Width (Front / Rear)	mm	2980 / 2400
S1 / S2	Wheel center F/R	mm	2160 / 2100
W1/Wa	Turning radius (Inside / Outside)	mm	1000/6350
B3/B2	Fork width close /open	mm	1000/2800
HxWxL	Fork dimensions	mm	110x270x2450
S3	Traslation Fork	mm	+/- 450

TECHNICAL SPECIFICATIONS FTF 28-12					Metric	
1	Lifting Capacity	Q	Max Capacity	Kg	28000	
2	Load Centre	C	Distance	mm	1225	
3	Dimensions	h3	Fork max height	mm	6250	
4		a / b	Mast tilting (Forward / Reverse)	°	5/ 10	
5		y	Wheel base	mm	4750	
6		S1 / S2	Wheel center F/R	mm	2160 /2100	
7		m1	Ground clearance mid track (loaded)	mm	450	
8		m2	Ground clearance lowest point (loaded)	mm	300	
9		L1	Length of truck (w/out attachment)	mm	6600	
10		L2	Length of truck (with attachment)	mm	8550	
11		B / B1	Overall Width (Front / Rear)	mm	2980 / 2500	
12		h1	Closed Mast Height	mm	5425	
13		h4	Open Mast Height	mm	8550	
14		h6	Cabin Height (overhead guard)	mm	3500	
15		h7	Seat Height	mm	2400	
16		P	Rear Overhang	mm	800	
17		W1 / Wa	Turning radius (Inside / Outside)	mm	1000/6350	
18	x	Distance from C/L of front axle to Face of Machine	mm	1050		
21	Speeds		Travel With / Without Load	Km/h	25/27	
22			Lift With / Without Load	m/s	0,31/0,33	
23			Lowering With / Without Load	m/s	0,26/0,25	
24	Tires		V = Solid - L = Pneum	F / R	L / L	
25			Size Front		(4) 14.00 x 24 - 32 PR	
26			Size Rear		(2) 14.00 x 24 - 32 PR	
27			Inflation Pressure	bar	10	
28			Ground pressure	kg/cm ²	9,5	
29	Max. Drawbar pull		Loaded	daN	15000	
30	Max. Gradient		Loaded	%	28	
31	Total Weight		Unloaded	Kg	40000	
32	Weight on axle	F / R	Loaded	Kg	50000/18000	
33		F / R	Unloaded	Kg	19000/21000	
34	Brakes	Front			Wet disc brakes	
35		Rear			Dry disc brakes (Opt.)	
36		Parking	Mechanical			Dry disc on axle shaft
37	Engine		Type		Diesel	
38			Manufacturer / Type			Volvo TAD850VE Tier3A
39			Continuous power	kW/hp		160/ 218
40			Revolutions per minute	rpm		2200
41			Number of Cylinders / Displacement	cm ³		6 / 7800
42			Specific fuel consumption	g/Kwh		207
43			Effective fuel consumption	l/h		15
45		Batteries		Voltage / Capacity	V / Ah	24 / 150
46	Steering		Hydraulic - Servo assisted		Oscillating monocylinder ASF243N	
47	Drive axle		Brand		KESSLER Model D91	
48			Type			With planetary reducer hub and remouvable half-shaft
49	Transmission		Brand		DANA32000	
50			Type			HYDRODYNAMIC WITH TORQUE CONVERTER
52	Gear speeds		Forward / Reverse	N°	4 / 4	
53	Hydraulic Pressure		Working	bar	230	
54	Fluid Capacities		Hydraulic oil	Liter	420	
55			Fuel	Liter		450
56	Noise level		Inside Cabin	db (A)	72	
57	Stability Factor		Static		1,35	
58	Controls		Sevoassisted (Type)		Multifunctional Joystick	
59	Cabin configuration				Rear high mounted panoramic cabin	