FORK LIFT FTF 42-12



1	Lifting capacities		
1.1	Lift capacities at load center C	kg	42000
1.2	Load center "C"	mm	1225
1.3	Lift height with simplex mast	mm	5100
4	Lifting speed (unloaded/at rated load)	m/s	0,21/0,26
5	Lowering speed (unloaded/at rated load)	m/s	0,30/0,25
L.6	Mast Tilt Forward/Backward	•	5/12
2	Driving speed		
2.1	Drive speed forward (unloaded/at rated load)	km/h	23/24
2.2	Drive speed reverse (unloaded/ at rated load)	km/h	23/25
2.3	Max incline (unloaded/ at rated load)	%	30/28
2.4	Towbar pull max	kN	300
3	Weight		
3.1	Service weight	kg	55500
3.2	Axle pressure front (unloaded / at rated load)	kg	27500/89200
3.3	Axle pressure rear (unloaded / at rated load)	kg	28000/8300
3.4	Stability factor		1,4
4	Engine		
1.1	Engine make / model name		Volvo/ TAD1180VE
1.2	Emission approval EU/US		Stage5
1.3	Fuel		Diesel
1.4	Max Power at rpm	kW a rpm	235kW at 2100rpm
1.5	Max Torque at rpm	Nm at rpm	1581Nm at 1400rpm
1.6	N° cylinders / Displacement	N/cc	6/10840
1.7	Specific fuel consumption	l/h	18 - 20
1.8	Alternator type/power/capacity	/W/Amp	AC/3080/110
l.9	Battery (N°, Voltage, Capacity)	/V/Ah	4, 12V, 88A
5	Transmission		
5.1	Brand / model		DANA TE30
5.2	Туре		Hydrodinamic
5.3	N° of gears Fw/ Rw		5/3
-	Drive Axle		
6			
6.1	Make /model		Kessler D102
5.1		mm	Kessler D102 Rigid/4200
6.1	Make /model	mm	
5.1 5.2 7	Make /model Type/ width	mm	
5.1 5.2 7 7.1	Make /model Type/ width Steering Axle	mm	Rigid/4200
5.1 5.2 7 7.1	Make /model Type/ width Steering Axle Make /model Steering system	mm	Rigid/4200 OMCI/ASF233
5.1 5.2 7.1 7.2 8	Make /model Type/ width Steering Axle Make /model Steering system Brake System	mm (Rigid/4200 OMCI/ASF233 Double acting single cylinder
5.1 5.2 7.1 7.2 8 3.1	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes	mm	Rigid/4200 OMCI/ASF233
5.1 5.2 7.1 7.2 8 3.1 3.2	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes	mm	Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated
5.1 5.2 7.1 7.2 8 3.1 3.2 9	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels	mm	Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc
5.1 5.2 7 7.1 7.2 8 3.1 3.2 9 9.1	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type		Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic
5.1 5.2 7.1 7.2 8 3.1 3.2 9 9.1 9.2	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear)	mm (Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10
5.1 5.2 7.1 7.2 8 3.1 3.2 9 0.1 9.2 0.3	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear)		Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10 18.00-25 (PR40)
5.1 5.2 7 7.1 7.2 8 3.1 3.2 9 9.1 9.2 9.3 9.4	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear) Rim dimensions (front + rear)		Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10
5.1 5.2 7 7.1 7.2 8 3.1 3.2 9 9.1 9.2 9.3 0.4 10	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear) Rim dimensions (front + rear) Hydraulic System		Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10 18.00-25 (PR40) 13.00-25
5.1 5.2 7 7.1 7.2 8 3.1 3.2 9 9 9.1 9.2 9.3 9.4 10 10.1	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear) Rim dimensions (front + rear) Hydraulic System Pumps (number/ type/ Brand)		Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10 18.00-25 (PR40) 13.00-25 One triple gear pumps Parker
5.1 5.2 7 7.1 7.2 8 3.1 3.2 9 9.1 9.2 9.3 9.4 10 10.1 10.2	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear) Rim dimensions (front + rear) Pumps (number/ type/ Brand) Hydraulic oil cooling system	Bar	Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10 18.00-25 (PR40) 13.00-25 One triple gear pumps Parker High efficiency radiator with electric fan
5.1 5.2 7 7 7.1 7.2 8 3.1 3.2 9 9.1 9.2 9.1 9.2 9.3 9.4 10.1 10.2 10.3	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear) Rim dimensions (front + rear) Pumps (number/ type/ Brand) Hydraulic oil cooling system Max working pressure		Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10 18.00-25 (PR40) 13.00-25 One triple gear pumps Parker
5.1 5.2 7 7 7.1 7.2 8 8 3.1 3.2 9 9.1 9.2 9.3 9.4 10 10.1 10.2 10.3 11	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear) Rim dimensions (front + rear) Hydraulic System Pumps (number/ type/ Brand) Hydraulic oil cooling system Max working pressure Cabin	Bar	Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 4+2 Pneumatic 10 18.00-25 (PR40) 13.00-25 One triple gear pumps Parker High efficiency radiator with electric fan 250
5.1 5.2 7 7 7.1 7.2 8 8 3.1 3.2 9 9.1 9.2 9.3 9.4 10 10.1 10.2 10.3 11 1.1	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear) Rim dimensions (front + rear) Hydraulic System Pumps (number/ type/ Brand) Hydraulic oil cooling system Max working pressure Cabin Type	Image: Second	Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10 18.00-25 (PR40) 13.00-25 One triple gear pumps Parker High efficiency radiator with electric fan 250 Closed cabin with air conditioning
5.1 5.2 7 7.1 7.2 8 3.1 3.2 9 9.1 9.2 9.3 9.4 10 10.1 10.2 10.3 11 11.1 1.1 1.2	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear) Rim dimensions (front + rear) Rim dimensions (front + rear) Hydraulic System Pumps (number/ type/ Brand) Hydraulic oil cooling system Max working pressure Cabin Type Internal Noise Level EN12053	Bar	Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 4+2 Pneumatic 10 18.00-25 (PR40) 13.00-25 One triple gear pumps Parker High efficiency radiator with electric fan 250
5.1 5.2 7 7.1 7.2 8 3.1 3.2 9 9.1 9.2 9.3 9.4 10 10.1 10.2 10.3 11 11.1 11.2 12 12	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear) Rim dimensions (front + rear) Rim dimensions (front + rear) Hydraulic System Pumps (number/ type/ Brand) Hydraulic oil cooling system Max working pressure Cabin Type Internal Noise Level EN12053 Tanks capacity	Image: Second	Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10 18.00-25 (PR40) 13.00-25 One triple gear pumps Parker High efficiency radiator with electric fan 250 Closed cabin with air conditioning 72
5.1 5.2 7 7.1 7.2 8 3.1 3.2 9 9.1 9.2 9.3 9.4 10.1 10.2 10.3 10.1 10.2 10.3 11 11.1 11.2 12.1	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear) Rim dimensions (front + rear) Hydraulic System Pumps (number/ type/ Brand) Hydraulic oil cooling system Max working pressure Cabin Type Internal Noise Level EN12053 Tanks capacity Hydraulic oil	Image: Second	Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10 18.00-25 (PR40) 13.00-25 One triple gear pumps Parker High efficiency radiator with electric fan 250 Closed cabin with air conditioning 72 850
5.1 5.2 7 7 7.1 7.2 8 3.1 3.2 9 9.1 9.2 9.3 9.4 10.1 10.2 10.3 10.1 10.2 10.3 11 11.1 11.2 12.1 12.2	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear) Rim dimensions (front + rear) Hydraulic System Pumps (number/ type/ Brand) Hydraulic oil cooling system Max working pressure Cabin Type Internal Noise Level EN12053 Tanks capacity Hydraulic oil Fuel diesel	Image: Second	Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10 18.00-25 (PR40) 13.00-25 One triple gear pumps Parker High efficiency radiator with electric fan 250 Closed cabin with air conditioning 72 850 580
5.1 5.2 7 7.1 7.2 8 3.1 3.2 9 9.1 3.2 9 9.1 9.2 9.3 9.4 10 10.1 10.2 10.3 11 10.2 10.3 11 11.1 11.2 12.1 12.2 12.3	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear) Rim dimensions (front + rear) Hydraulic System Pumps (number/ type/ Brand) Hydraulic oil cooling system Max working pressure Cabin Type Internal Noise Level EN12053 Tanks capacity Hydraulic oil Fuel diesel Ad-Blue	Image: Second	Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10 18.00-25 (PR40) 13.00-25 One triple gear pumps Parker High efficiency radiator with electric fan 250 Closed cabin with air conditioning 72 850
5.1 5.2 7 7.1 7.2 8 3.1 7.2 9 9 9.1 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear) Rim dimensions (front + rear) Rim dimensions (front + rear) Hydraulic System Pumps (number/ type/ Brand) Hydraulic oil cooling system Max working pressure Cabin Type Internal Noise Level EN12053 Tanks capacity Hydraulic oil Fuel diesel Ad-Blue Forks	Image: Second	Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10 18.00-25 (PR40) 13.00-25 One triple gear pumps Parker High efficiency radiator with electric fan 250 Closed cabin with air conditioning 72 850 580 45
5.1 5.2 7 7.1 7.2 8 3.1 7.2 9 9 3.1 3.2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Make /modelType/ widthSteering AxleMake /modelSteering systemBrake SystemMachine brakesParking brakesWheelsNumber of Wheels (front + rear) and typeTire pressure (front + rear)Tire dimensions and ply rating (front + rear)Rim dimensions (front + rear)Rim dimensions (front + rear)Hydraulic SystemPumps (number/ type/ Brand)Hydraulic oil cooling systemMax working pressureCabinTypeInternal Noise Level EN12053Tanks capacityHydraulic oilFuel dieselAd-BlueForksType	Image: Sector of the sector	Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10 18.00-25 (PR40) 13.00-25 One triple gear pumps Parker High efficiency radiator with electric fan 250 Closed cabin with air conditioning 72 850 580 45
5.1 5.2 7 7.1 7.2 8 3.1 3.2 9 9.1 9.2 9.3 9.4 10 10.1 10.2 10.3 10.1 10.2 10.3 11 11.1 11.2 12.1 12.1 12.2 12.3 13	Make /model Type/ width Steering Axle Make /model Steering system Brake System Machine brakes Parking brakes Wheels Number of Wheels (front + rear) and type Tire pressure (front + rear) Tire dimensions and ply rating (front + rear) Rim dimensions (front + rear) Rim dimensions (front + rear) Hydraulic System Pumps (number/ type/ Brand) Hydraulic oil cooling system Max working pressure Cabin Type Internal Noise Level EN12053 Tanks capacity Hydraulic oil Fuel diesel Ad-Blue Forks	Image: Second	Rigid/4200 OMCI/ASF233 Double acting single cylinder Wet disc brakes-hydraulic operated Dry disc 4+2 Pneumatic 10 18.00-25 (PR40) 13.00-25 One triple gear pumps Parker High efficiency radiator with electric fan 250 Closed cabin with air conditioning 72 850 580 45

