

ENGINE		
Type		DEUTZ TD3,6L/2501-2848
Fuel		Diesel
Number of cylinders		4 in line
Suction		Supercharged
Injection system		Direct
Ignition sequence		1.3.4.2
Displacement	cm ³	3621
Bore and stroke	mm	98 x 120
Compression ratio		18:1
Nominal speed laden	rpm	2200
Min. rpm unladen	rpm	930
Max. rpm unladen	rpm	2360
Power ISO/TR 14396	hp - kW	75 - 55,4
Power SAE J 1995	hp - kW	75 - 55,4
Maximum torque ISO/TR 14396	Nm	340 at 1,600 rpm
Air filtration efficiency	%	99,9
Type of cooling		Coolant
Fan		Suction

TRANSMISSION		
Gearbox		TURNER
- Type		Mechanics
- Shuttle lever		Electro-hydraulics
- Torque converter		SACHS
- Number of forward speeds		4
- Number of reverse speeds		4
Angle gearbox		TURNER
Front axle		DANA
- Differential		Limited slip
Rear axle		DANA
- Differential		Without locking
Drive wheels		Permanent 4 WD
- 2/4 wheel drive control		no
Front tires		ALLIANCE
- Size		400/80-24 A325 162A8 ATG
- Pressure	bar	3
Rear tires		ALLIANCE
- Size		400/80-24 A325 162A8 ATG
- Pressure	bar	3

ELECTRIC CIRCUIT		
Battery	STANDARD	12 V - 180 Ah - 900 A EN
	OPTION	12 V - 180 Ah - 1235 A EN
Alternator		14V - 95 A
- Type		ISKRA AAK3869
Starter		12 V - 3,2 kW
- Type		ISKRA AZE4668

BRAKE SYSTEM		
Service brake		Hydraulic power brake
- Type of brake		Oil-immersed multi-disc
- Type of order		Foot-operated for the front and rear axles
Parking brake		Mechanics
- Type of brake		Disk on gearbox output
- Type of order		Manual

SOUND AND VIBRATION		
Sound pressure level in the driver's cab L _{pA} (according to standard NF EN 12053)	dB(A)	79 (cab closed); xx (cab open)
Sound pressure (according to Directive 2009/76)	dB(A)	xx (cab closed); xx (cab open)
Guaranteed sound power level in the environment L _{wA} (according to Directive 2000/14/EC modified by Directive 2005/88/EC)	dB(A)	104 (measured); 104 (guaranteed)
Sound level in motion (according to Directive 2009/63)	dB(A)	xx
Average weighted acceleration on driver's body (according to standard NF EN 13059)	m/s ²	1,1
The average weighted acceleration transmitted to the driver's hand/ arm system (according to standard ISO 5349-2)	m/s ²	< 2,5
Standard seat vibration	m/s ²	xx (lightweight operator); xx (heavyweight operator)

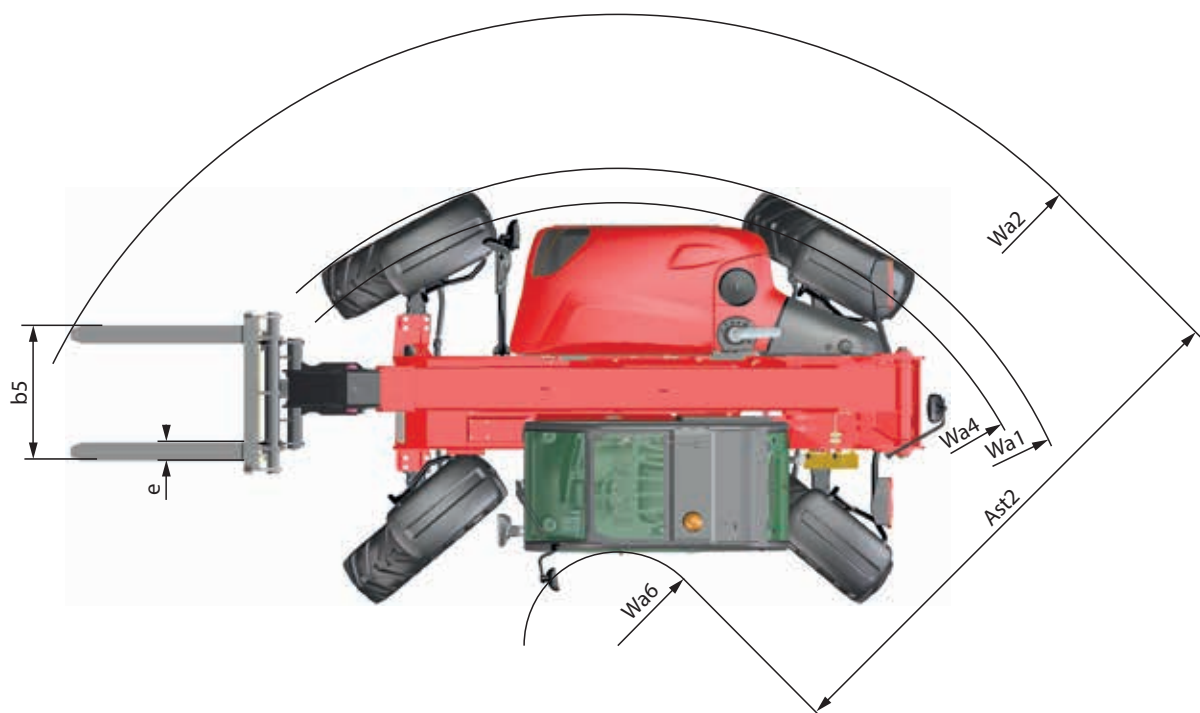
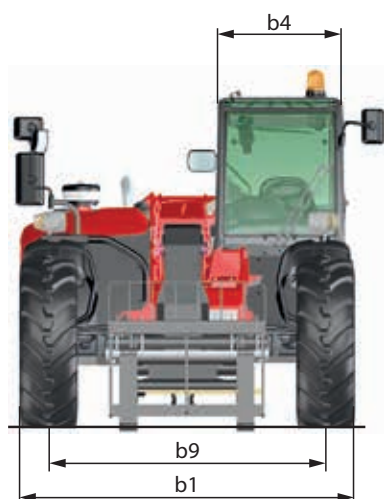
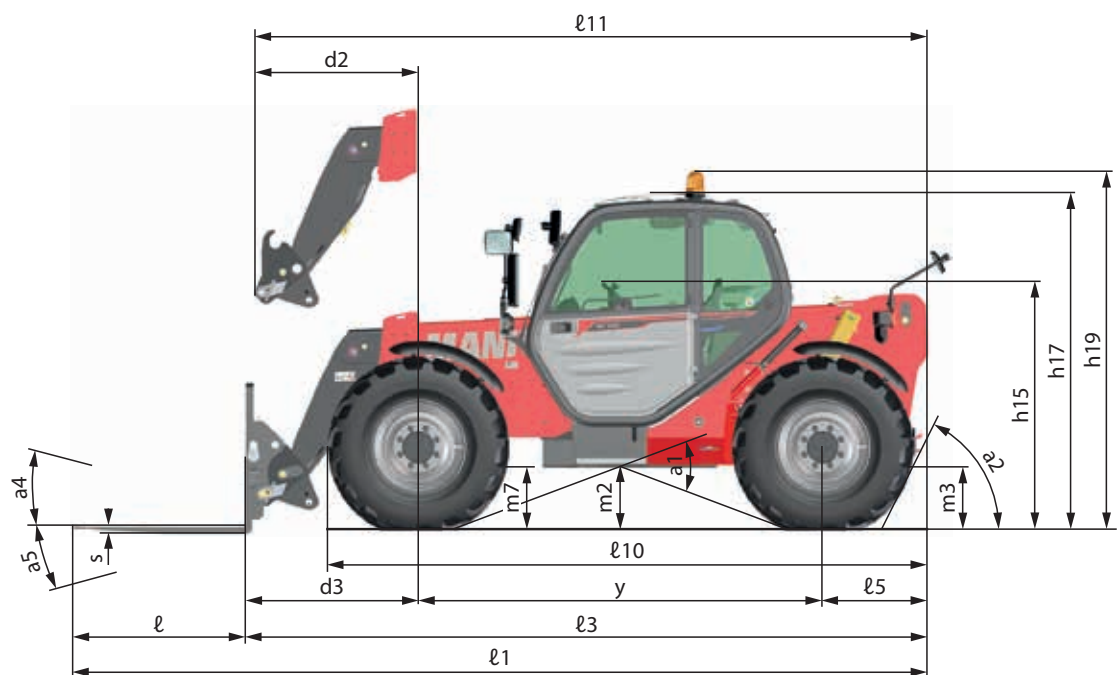
HYDRAULIC CIRCUIT			
Hydraulic pump			
- Type		Gear pump with flow divider	
		1st housing	2nd housing
- Displacement	cm ³	39	21
- Max. rating capacity unladen	ℓ/min	93	50
- Flow at 1,600 rpm	ℓ/min	63	34
Filtration			
- Back	μm	10	
- Suction	μm	125	
Maximum working pressure		260	
- Telescoping circuit	bar	190 / 260	
- Lift circuit	bar	260 / 260	
- Tilt circuit	bar	260 / 190	
- Attachment circuit (OPTION)	bar	260	
- Steering circuit	bar	140	

HYDRAULIC MOVEMENTS			
Longitudinal stability limiter and warning device		Electronics	
Lifting motions (boom retracted)			
- Unladen lifting	s - m/min	7,8 - 34,6	
- Laden lifting	s - m/min	9 - 30	
- Unladen lowering	s - m/min	6,3 - 42,9	
- Laden lowering	s - m/min	6,4 - 42,2	
Telescoping motions (boom raised)			
- Unladen extending	s - m/min	14,5 - 22,6	
- Laden extending	s - m/min	13,8 - 21,5	
- Unladen retracting	s - m/min	9,4 - 33,2	
- Laden retracting	s - m/min	7,2 - 43,3	
Tilting movements			
- Crowd unladen	s - °/s	3,4 - 42,9	
- Unladen dump	s - °/s	2,9 - 50,3	

SPECIFICATIONS AND WEIGHTS			
Speed of movement for lift truck in standard configuration on flat ground (except in specific conditions)			
- Front unladen	1 km/h	4,4	
	2 km/h	7,4	
	3 km/h	15	
	4 km/h	25	
- Rear unladen	1 km/h	4,4	
	2 km/h	7,4	
	3 km/h	15	
	4 km/h	25	
Standard attachment		TFF 35 MT 1040	
- Weight of attachment (without forks)	kg	165	
- Weight of forks (each)	kg	67,5	
Rated capacity with standard attachment	kg	3300	
Tipping load at maximum reach on tires	kg	450	
Distance from the center of gravity of the load to the base of the forks	mm	500	
Standard lifting height	mm	9000	
Lift truck weight without attachment	kg	6870	
Weight of lift truck with standard attachment			
- Unladen	kg	7170	
- At rated load	kg	10470	
Weight per axle with standard attachment (transport position)			
- Front unladen	kg	3470	
- Rear unladen	kg	3700	
- Front rated load	kg	8880	
- Rear rated load	kg	1590	
Weight per axle with standard attachment (boom extended)			
- Front rated load	kg	7200	
- Rear rated load	kg	420	
Tractive effort on the coupling hook			
- Unladen (sliding)	daN	5030	
- At rated load (transmission setting)	daN	7920	
Break-out force with bucket (according to standard ISO 8313)	daN	5770	

MT 933 ...		PRESSURE (bar)	LOAD PER TIRE (kg)			
			FRONT UNLADEN	FRONT (LADEN)	REAR (UNLADEN)	REAR (LADEN)
ALLIANCE	400/80-24 A325 162A8 ATG	3	1750	4450	1850	800
MICHELIN	400/80-24 162A8 IND TL PCL	3				
	15.5R25 XHA TUBELESS	3.5				
	460/70 R24 159A8/159B IND TL BIBLOAD HARD SURFACE	3.4				
APOLLO	400/80-24 20PR 162A8 TL FX525	4				

		PRESSURE (bar)	LOAD (kg)	GROUND CONTACT PRESSURE (kg/cm2)		GROUND CONTACT AREA (cm2)	
				HARD GROUND	SOFT GROUND	HARD GROUND	SOFT GROUND
ALLIANCE	400/80-24 A325 162A8 ATG	3	800				
			1750				
			1850				
			4450				
MICHELIN	400/80-24 162A8 IND TL PCL	3	800	2.14	0.64	378	1274
			1750	2.51	1.09	696	1606
			1850	2.54	1.12	726	1641
			4450	3.06	1.73	1450	2551
	15.5R25 XHA TUBELESS	3.5	800	4.15	2.31	195	350
			1750	4.86	2.55	360	685
			1850	4.90	2.57	377	719
			4450	5.62	2.91	789	1527
	460/70 R24 159A8/159B IND TL BIBLOAD HARD SURFACE	3.4	800				
			1750				
			1850				
			4450				
APOLLO	400/80-24 20PR 162A8 TL FX525	4	800				
			1750				
			1850				
			4450				



MACHINE LENGTH	ℓ1	mm	5878
	ℓ3	mm	4678
	ℓ5	mm	725
	ℓ10	mm	4160
	ℓ11	mm	4608
MACHINE WIDTH	b1	mm	2334
	b4	mm	890
	b5	mm	1040
	b9	mm	1930
	b10	mm	1930
MACHINE HEIGHT	h15	mm	1717
	h17	mm	2300
	h19	mm	2500
DISTANCE	d2	mm	1073
	d3	mm	1143
AISLE WIDTH	Ast2	mm	3460
ATTACHMENT	ℓ	mm	1200
	s	mm	45
	e	mm	125
TURNING RADIUS	Wa1	mm	3800
	Wa2	mm	4770
	Wa4	mm	3598
	Wa6	mm	1310
GROUND CLEARANCE	m2	mm	435
	m3	mm	435
	m7	mm	435
ANGLE	a1	°	38
	a2	°	64
	a4	°	12
	a5	°	114
WHEELBASE	y	mm	2810

