

CHARACTERISTICS

MT 1135 EASY 75D ST3B S1

I.C. ENGINE

Type		DEUTZ TD 3.6 L4 2501-1714
Fuel		Diesel
Number of cylinders		4 in line
Suction		Supercharged
Injection system		Direct
Ignition sequence		1.3.4.2
Capacity	cm ³	3621
Bore and stroke	mm	98 x 120
Compression ratio		18:1
Nominal speed laden	rpm	2200
Idling speed slow unladen	rpm	850
Max. speed unladen	rpm	2350
Power ISO/TR 3046	cv - kW	75 - 55,4
Power SAE J 1995	cv - kW	75 - 55,4
Maximum torque ISO/TR 3046	Nm	330 to 1600 rpm
Gravimetric efficiency ISO 5011	%	99,9
Type of cooling		By water
Fan		Puller

TRANSMISSION

Gear box		DANA
- Type		Mechanical
- Forward/reverse selector		Electro-hydraulic
- Torque converter		DANA
- Number of forward speeds		4
- Number of reverse speeds		4
Angle gear box		-
Front axle		DANA
- Differential		Without locking
Rear axle		DANA
- Differential		Without locking
Drive wheels		4RM Permanent
- Switch for 2/4 drive wheels		No
Front tyres		ALLIANCE
- Size		400/80-24 A325 162A8 ATG
- Pressure	bar	4
Rear tyres		ALLIANCE
- Size		400/80-24 A325 162A8 ATG
- Pressure	bar	4

ELECTRIC CIRCUIT

Battery	STANDARD	12 V - 110 Ah - 900 A EN
	OPTION	12 V - 180 Ah - 1200 A EN
Alternator		14V - 95A
- Type		ISKRA AAK3868
Starter		12 V - 3,2 kW
- Type		ISKRA AZE 4668

BRAKE CIRCUIT

Service brake		Hydraulic power brake
- Type of brake		Multidisk brake immersed in oil
- Type of control		Foot-operated for the front and rear axles
Parking brake		Low pressure brake
- Type of brake		Disk on gear-box output
- Type of control		Electro-hydraulic

SOUND AND VIBRATION

Sound pressure level in the driver's cab LpA (according to standard NF EN 12053)	dB(A)	78 (cab closed) ; xx (cab open)
Sound pressure (according to directive 2009/76)	dB(A)	xx (cab closed) ; xx (cab open)
Sound pressure level ensured in the LwA environment (according to directive 2000/14/EC modified by directive 2005/88/EC)	dB(A)	103 (measured) ; 104 (ensured)
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	2
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		Gear pump with flow divider on 2nd casing	
- Type		1st casing	2nd casing
- Capacity	cm3	31	22
- Max. rating capacity unladen	l/mn	73	52
- Flow rate at 1600 rpm	l/mn	50	35
Filtration			
- Return	µm	10	10
- Suction	µm	135	135
Maximum service pressure		270	
- Telescoping circuit	bar	180 / 270	
- Lifting circuit	bar	270 / 270	
- Tilt circuit	bar	270 / 200	
- Stabilizers Circuit	bar	270	
- Tilting corrector circuit (OPTION)	bar	270	
- Attachment circuit (OPTION)	bar	270	
- Steering circuit	bar	140	

HYDRAULIC MOVEMENTS			
Longitudinal stability limiter and warning device		Electronic	
Lifting motions (boom retracted)			
- Unladen lifting	s - m/mn	8,5 - 37,1	
- Laden lifting	s - m/mn	9,3 - 33,9	
- Unladen lowering	s - m/mn	7 - 45	
- Laden lowering	s - m/mn	6,8 - 46,3	
Telescoping motions (boom raised)			
- Unladen extending	s - m/mn	13 - 5,2	
- Laden extending	s - m/mn	35 - 14	
- Unladen retracting	s - m/mn	9 - 20,2	
- Laden retracting	s - m/mn	8,5 - 21,4	
Tilting movements			
- Unladen digging	s - °/s	3 - 42,1	
- Forward tilting unladen	s - °/s	3 - 42,1	

SPECIFICATIONS AND WEIGHTS			
Speed of movement for lift truck in standard configuration on flat ground (except particular conditions)			
Front unladen	1	km/h	5,1
	2	km/h	8,1
	3	km/h	15,1
	4	km/h	25,6
Rear unladen	1	km/h	5,1
	2	km/h	8,1
	3	km/h	15,1
	4	km/h	25,6
Standard attachment		TFF35 MT1040	
- Weight with forks	kg	160	
- Weight of forks (each one)	kg	70	
Rated capacity with standard attachment	kg	3500	
Tipping load at maximum reach on stabilisers	kg	1200	
Distance from the centre of gravity from the load to the lug of the forks	mm	500	
Standard lifting height	mm	11005	
Lift truck weight without attachment	kg	8475	
Lift truck weight with standard attachment			
- Unladen	kg	8775	
- At rated load	kg	12275	
Weight per axle with standard attachment (transport position)			
- Front unladen	kg	4415	
- Rear unladen	kg	4360	
- Front rated load	kg	10765	
- Rear rated load	kg	1510	
Weight per axle with standard attachment (boom extended)			
- Front rated load	kg	8655	
- Rear rated load	kg	520	
Contact pressure on the ground for the whole surface of each stabilizer at maximum load when tilting	kg/cm2	4,8	
Drag strain on the coupling hook			
- Unladen (sliding)	daN	6680	
- At rated load (transmission setting)	daN	8040	
Pull strain with open carrier (according to standard ISO 8313)	daN	6500	

TIRES

MT 835 ...		PRESSURE (bar)	TYRE LOAD (kg)			
			FRONT UNLADEN	FRONT LADEN	REAR UNLADEN	REAR LADEN
MICHELIN	400/80-24 156A8 POWER CL	4	1750	4750	1850	600
ALLIANCE	400/80-R24 A325 162A8	4				

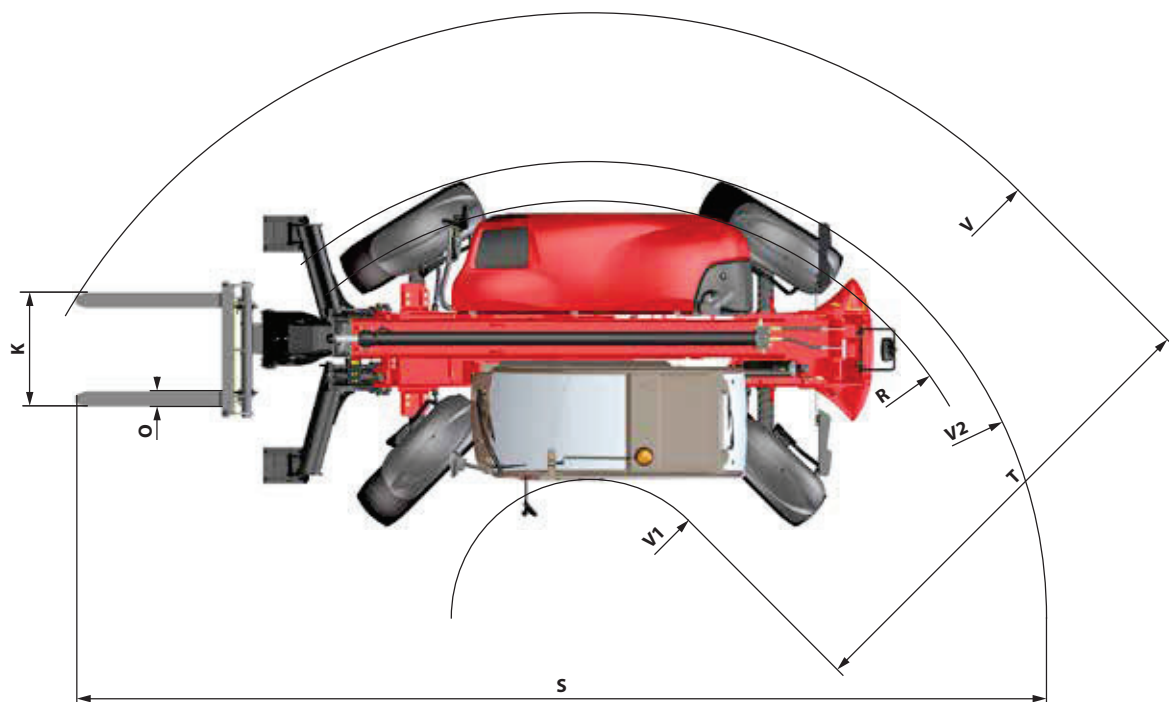
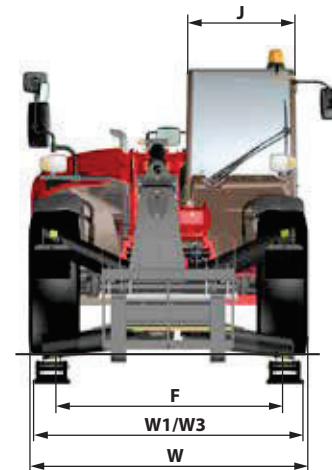
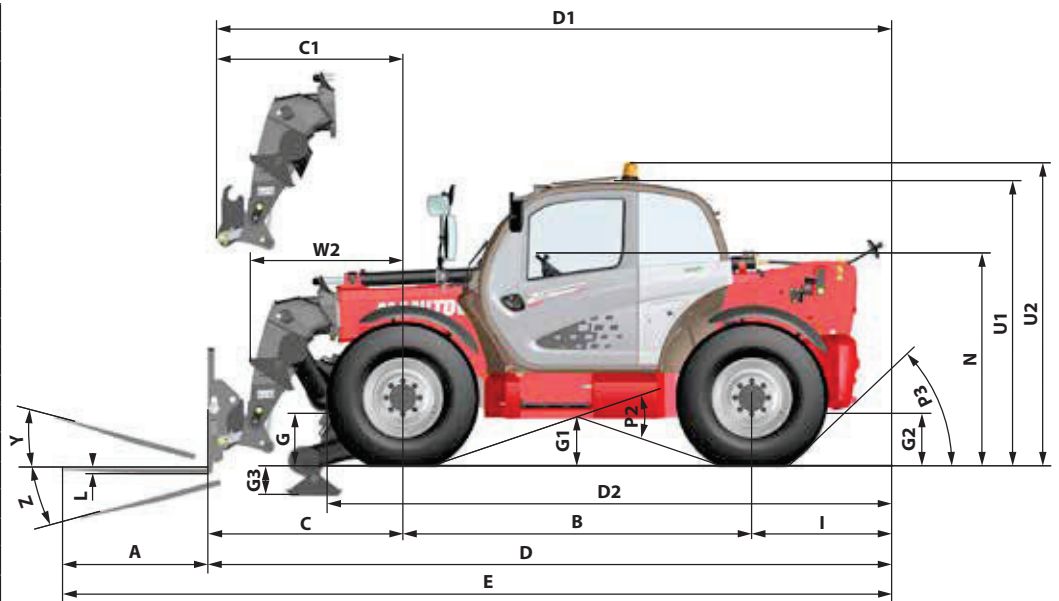
MT 1135 ...		PRESSURE (bar)	TYRE LOAD (kg)			
			FRONT UNLADEN	FRONT LADEN	REAR UNLADEN	REAR LADEN
MICHELIN	400/80-24 156A8 POWER CL	4	2200	5400	2200	750
ALLIANCE	400/80-R24 A325 162A8	4				

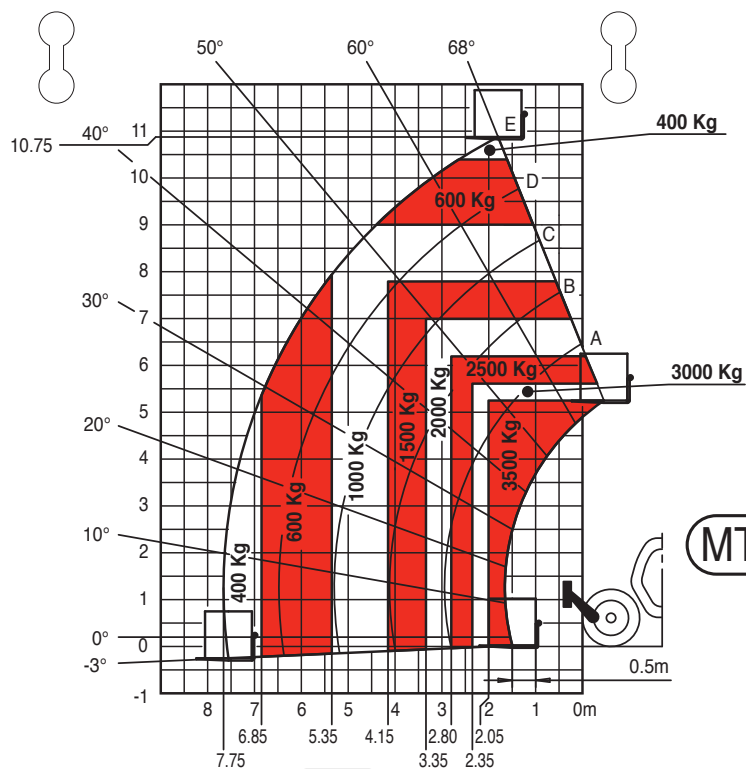
MT 1335 ...		PRESSURE (bar)	TYRE LOAD (kg)			
			FRONT UNLADEN	FRONT LADEN	REAR UNLADEN	REAR LADEN
MICHELIN	400/80-24 156A8 POWER CL	4	2200	5450	2350	850
ALLIANCE	400/80-R24 A325 162A8	4				

		PRESSURE (bar)	LOAD (kg)	PRESSURE ON THE CONTACT SURFACE		AREA OF THE CONTACT SURFACE	
				(kg/cm2)		(cm2)	
				HARD SOIL	LOOSE SOIL	HARD SOIL	LOOSE SOIL
MICHELIN	460/70-R24 XMCL 159A8	4	600	6,67	2,55	90	235
			750	7,06	2,69	106	277
			850	7,33	2,79	116	305
			1750	8,93	3,33	196	525
			1850	9,02	3,38	205	547
			2200	9,48	3,53	232	623
			2350	9,67	3,59	243	655
			4750	11,70	4,28	406	1111
			5400	12,11	4,41	446	1223
	5450	12,14	4,42	449	1232		
ALLIANCE	400/80-R24 A325 162A8	4	600				
			750				
			850				
			1750				
			1850				
			2200				
			2350				
			4750				
			5400				
	5450						

DIMENSIONS AND LOAD CHART MT 1135 EASY 75D ST3B S1

A	mm	1200
B	mm	2880
C	mm	1612
C1	mm	1709
D	mm	5380
D1	mm	5477
D2	mm	4226
E	mm	6580
F	mm	1870
F1	mm	1870
G	mm	445
G1	mm	415
G2	mm	445
G3	mm	135
I	mm	888
J	mm	884
K	mm	1040
L	mm	45
N	mm	1740 - 1803
O	mm	125
P2	°	38
P3	°	44
R	mm	3443
S	mm	7902
T	mm	3884
U1	mm	2419
U2	mm	2559
V	mm	5024
V1	mm	1140
V2	mm	3650
W	mm	2284
W1	mm	2214
W2	mm	1267
W3	mm	2214
Y	°	16
Z	°	110



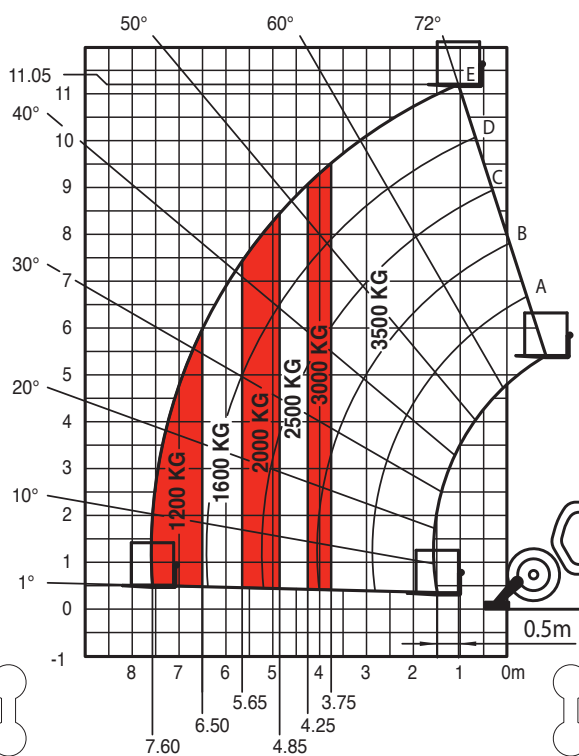


MT1135

SUIVANT NORME EN 1459 annexe B.



SUIVANT NORME EN 1459 annexe B.



MT 1135
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