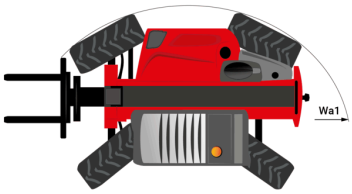
English | Construction telehandlers | MT

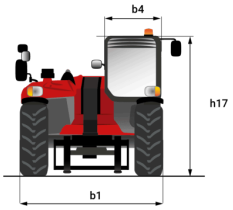
MT 735 75D ST5

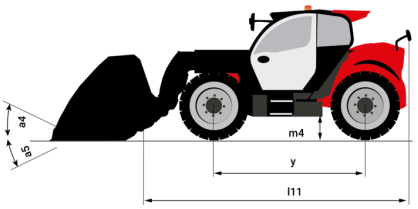
MACHINE BOOK

MANITOU
HANDLING YOUR WORLD

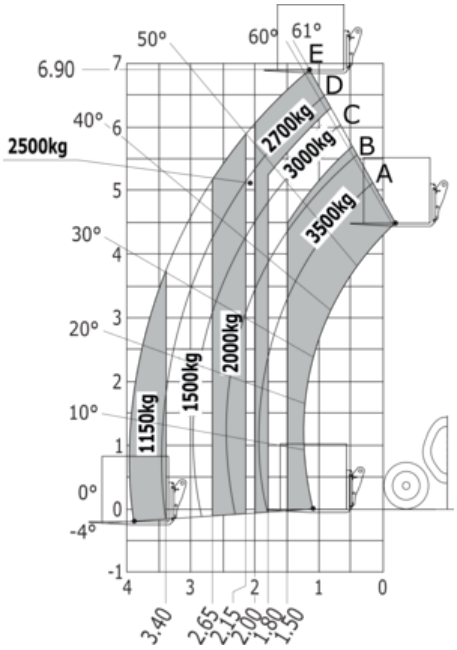
Capacities		Metric
Max. capacity	Q	3500 kg
Max. lifting height		6.90 m
Max. outreach		4 m
Breakout force with bucket		6850 daN
Weight and dimensions		
Overall length to carriage	l11	4.70 m
Length to face of forks	l2	4.78 m
Overall length (with forks)	l1	5.98 m
Overall width	b1	2.27 m
Overall height	h17	2.48 m
Wheelbase	y	2.80 m
Ground clearance	m4	0.42 m
Overall cab width	b4	0.95 m
Tilt-up angle	a4	13 °
Tilt-down angle	a5	114 °
External turning radius	Wa3	3.78 m
External turning radius (over tyres)	Wa1	3.78 m
Unladen weight (with forks)		6930 kg
Unladen weight		6610 kg
Overall weight		6930 kg
Tires type		Inflatable
Standard tires		Alliance 400/80 - 24 -162A8
Forks length / width / section	l / e / s	1200 mm x 100 mm x 50 mm
Performances		
Lifting		5.90 s
Lowering		4.20 s
Extension		12.30 s
Retraction		4.70 s
Crowd		3.50 s
Dump		3.60 s
Engine		
Engine brand		Deutz
Engine norm		Stage V / Tier 4 Final
Engine model		TCD 3.6 L
Number of cylinders / Capacity of cylinders		4 - 2924 cm³
Engine power (Hp/kW)		75 Hp / 55.40 kW
Max. torque / Engine rotation		375 Nm @ 1400 rpm
Drawbar pull (Laden)		7220 daN
HVO validated (according to EN 15940 standard)		Yes
Electric circuit		
12V Battery capacity		110 Ah
Transmission		
Transmission type		Torque converter
Number of gears (forward / reverse)		4 / 4
Max. travel speed		24.70 km/h
Max. travel speed (may vary according to applicable regulations)		24.70 km/h
Parking brake		Automatic parking brake
Service brake		Hydraulic servo brake
Hydraulics		
Hydraulic pump type		Axial piston
Hydraulic flow / Pressure		110 l/min-260 bar
Tank capacities		
Engine oil		8.50 l
Hydraulic oil		129 l
Fuel tank capacity		103 l
Noise and vibration		
Noise at driving position (LpA)		77 dB
Noise to environment (LwA)		104 dB
Vibration on hands/arms		< 2.50 m/s²
Miscellaneous		
Steering wheels (front / rear)		2 / 2
Drive wheels (front / rear)		2 / 2
Safety / Cab certification		Standard EN 15000 / Cabin ROPS - FOPS level 2
Controls		JSM







Machine on tires with forks Metric



BUCKETS

Big Bag Filling Bucket

Big Bag Filling Bucket - BBF 1200 / 600

Reference number	Heaped capacity	Overall weight	Overall height	Overall length	Width
52676645	600 l	455 kg	685 mm	1549 mm	1200 mm

Mandatory machine equipment:

Big Bag Filling Bucket - BBF 1400 / 1100

Reference number	Heaped capacity	Overall weight	Overall height	Overall length	Width
52614700	1120 l	610 kg	923 mm	1723 mm	1400 mm

Mandatory machine equipment:

BUCKETS

Bucket 4 in 1

Bucket 4 in 1 - CB4x1 850L / 2300

Reference number	Distance to center of gravity	Capacity	Heaped capacity	Struck capacity	Overall weight
751401	374 mm	1783 kg	849 l	628 l	682 kg
Overall height	**Overall length**	**Width**			
890 mm	1107 mm	2300 mm			

Mandatory machine equipment:

Bucket 4 in 1 - CB4x1 900L / 2450

Reference number	Distance to center of gravity	Capacity	Heaped capacity	Struck capacity	Overall weight
751465	380 mm	1888 kg	899 l	672 l	714 kg
Overall height	**Overall length**	**Width**			
890 mm	1110 mm	2450 mm			

Mandatory machine equipment:

BUCKETS

Construction Bucket

Construction Bucket - CBC 800L / 2250

Reference number	Distance to center of gravity	Capacity	Heaped capacity	Struck capacity	Overall weight
654471	355 mm	1709 kg	814 l	666 l	366 kg
Overall height	**Overall length**	**Width**			
810 mm	1026 mm	2250 mm			

Mandatory machine equipment: ✕

Construction Bucket - CBC 900L / 2450

Reference number	Distance to center of gravity	Capacity	Heaped capacity	Struck capacity	Overall weight
654470	365 mm	1875 kg	893 l	728 l	391 kg
Overall height	**Overall length**	**Width**			
810 mm	1026 mm	2450 mm			

Mandatory machine equipment: ✕

BUCKETS

General Purpose Bucket

General Purpose Bucket - CBR 900 / 2250

Reference number	Reference number E-RECO	Capacity	Heaped capacity	Struck capacity	Overall weight
653749	921281	1898 kg	904 l	736 l	360 kg
Overall height	**Overall length**	**Width**			
775 mm	815 mm	2250 mm			

Mandatory machine equipment: ✕

General Purpose Bucket - CBR 1000 / 2450

Reference number	Reference number with bolted wearplate (WP)	Capacity	Heaped capacity	Struck capacity	Overall weight
654716	52000370	2079 kg	990 l	804 l	381 kg
Overall height	**Overall length**	**Width**			
775 mm	815 mm	2450 mm			

Mandatory machine equipment: ✕

BUCKETS

General Purpose Bucket Essential

General Purpose Bucket Essential - BGP 2000 / 800 Essential

Reference number	Distance to center of gravity	Capacity	Heaped capacity	Struck capacity	Overall weight
52688160	425 mm	1684 kg	802 l	622 l	345 kg
Overall height	**Overall length**	**Width**	**Depth**		
786 mm	925 mm	2000 mm	817 mm		

Mandatory machine equipment: ✕

General Purpose Bucket Essential - BGP 2300 / 900 Essential

Reference number	Distance to center of gravity	Capacity	Heaped capacity	Struck capacity	Overall weight
52690756	429 mm	1955 kg	931 l	718 l	379 kg
Overall height	**Overall length**	**Width**	**Depth**		
786 mm	975 mm	2300 mm	817 mm		

Mandatory machine equipment: ✕

General Purpose Bucket Essential - BGP 2450 / 1000 Essential

Reference number	Distance to center of gravity	Capacity	Heaped capacity	Struck capacity	Overall weight
52658055	434 mm	2089 kg	995 l	766 l	397 kg
Overall height	**Overall length**	**Width**	**Depth**		
786 mm	925 mm	2450 mm	817 mm		

Mandatory machine equipment: ✕

ON FORK HANDLING SOLUTIONS

Carriage Floating Load Backrest And Forks (MT - MLT)

Carriage Floating Load Backrest And Forks (MT - MLT) - CAF 1040 / 4100 LB

Reference number	Distance to center of gravity	Capacity	Overall weight	Overall height	Overall length
52866338	271 mm	4100 kg	335 kg	1036 mm	1514 mm
Width					
1160 mm					

Mandatory machine equipment: ✕

Carriage Floating Load Backrest And Forks (MT - MLT) - CAF 1300 / 4100 LB

Reference number	Distance to center of gravity	Capacity	Overall weight	Overall height	Overall length
52866340	271 mm	4100 kg	363 kg	1036 mm	1514 mm

Width
1420 mm

Mandatory machine equipment: ✕

ON FORK HANDLING SOLUTIONS

Floating Fork Carriage With Side Shift (MT)

Floating Fork Carriage With Side Shift (MT) - TFF 35 DL 1040

Capacity	Width
3500 kg	1040 mm

Mandatory machine equipment:

ON FORK HANDLING SOLUTIONS

Hydraulic Floating Fork Positioner

Hydraulic Floating Fork Positioner - CAF 1260 / 4500 P

Distance to center of gravity	Capacity	Overall weight	Overall height	Overall length	Forks section X Forks width X Forks length
305 mm	4500 kg	350 kg	1184 mm	1532 mm	50 mm X 100 mm X 1200 mm

Width
1303 mm

Mandatory machine equipment:

ON FORK HANDLING SOLUTIONS

Tilting Forks Carriage

Tilting Forks Carriage - PFB 35N 1260

Reference number	Capacity	Overall weight	Width
653744	3500 kg	93 kg	1302 mm

Mandatory machine equipment: ✕

Tilting Forks Carriage - PFB 35N 1470

Reference number	Capacity	Overall weight	Width
653745	3500 kg	117 kg	1512 mm

Mandatory machine equipment: ✕

Tilting Forks Carriage - PFB 35N 1580

Reference number	Capacity	Overall weight	Width
653746	3500 kg	122 kg	1622 mm

Mandatory machine equipment: ✕

ON FORK HANDLING SOLUTIONS

Tilting Forks Carriage With Load Backrest (MLT - MT)

Tilting Forks Carriage With Load Backrest (MLT - MT) - PFB 35N 1260 LB

Capacity	Overall weight	Overall height	Width
3500 kg	130 kg	1185 mm	1284 mm

Mandatory machine equipment: ✕

Tilting Forks Carriage With Load Backrest (MLT - MT) - PFB 35N 1470 LB

Capacity	Overall weight	Overall height	Width
3500 kg	158 kg	1185 mm	1494 mm

Mandatory machine equipment: ✕

ON FORK HANDLING SOLUTIONS

Tilting Forks Carriage With Side Shift (MLT - MT)

Tilting Forks Carriage With Side Shift (MLT - MT) - PFB 35N 1260 SS

Capacity	Overall weight	Overall height	Width
3500 kg	175 kg	658 mm	1260 mm

Mandatory machine equipment:

Tilting Forks Carriage With Side Shift (MLT - MT) - PFB 35N 1580 SS

Capacity	Overall weight	Overall height	Width
3500 kg	300 kg	658 mm	1580 mm

Mandatory machine equipment:

ON FORK HANDLING SOLUTIONS

Tilting Forks Carriage With Side Shift - Load Backrest (MLT - MT)

Tilting Forks Carriage With Side Shift - Load Backrest (MLT - MT) - PFB 35N 1260 SS LB

Capacity	Overall weight	Overall height	Width
3500 kg	210 kg	1229 mm	1284 mm

Mandatory machine equipment:

JIBS

2-Hook Jib

2-Hook Jib - P 4000

Reference number	Reference number E-RECO	Distance to center of gravity	Capacity	Capacity 2	Overall weight
653226	921321	785 mm	4000 kg	1200 kg	210 kg

Max. outreach	Maximum outreach 2	Overall length	Width
708 mm	2708 mm	2838 mm	830 mm

Mandatory machine equipment:

JIBS

Big Bag Handler

Big Bag Handler - HBB 1500 / 2400

Reference number	Reference number E-RECO	Skid Steer Carriage reference	4 point Carriage	Euro Carriage	Distance to center of gravity
52781808	931627	52578030	52742058	52742059	388 mm
Capacity	**Overall weight**	**Overall height**	**Overall length**	**Forks spread**	**Width**
2400 kg	186 kg	1322 mm	1643 mm	750 mm	1356 mm

Mandatory machine equipment: ✕

JIBS

Extensible Jib

Extensible Jib - JE 6000 / 600

Reference number	Distance to center of gravity	Capacity	Capacity 2	Capacity 3	Overall weight
939995	1516 mm	600 kg	300 kg	100 kg	265 kg
Max. outreach	**Maximum outreach 2**	**Maximum outreach 3**	**Overall length**	**Width**	
3895 mm	4845 mm	5845 mm	4347 mm	815 mm	

Mandatory machine equipment: ✕

JIBS

Extension Jib

Extension Jib - P 600

Reference number	Reference number E-RECO	Capacity	Overall weight	Max. outreach	Overall height
653228	921316	600 kg	210 kg	3746 mm	990 mm
Overall length	**Width**				
3947 mm	830 mm				

Mandatory machine equipment: ✕

JIBS

Frame Mounted Hook

Frame Mounted Hook - PC 50

Reference number	Reference number E-RECO	Distance to center of gravity	Capacity	Overall weight	Max. outreach
708544	921335	166 mm	5000 kg	115 kg	470 mm
Overall height	**Overall length**	**Width**			
500 mm	606 mm	815 mm			

Mandatory machine equipment: ✕

JIBS

Swing Jib

Swing Jib - PO 600 / 2500

Reference number	Distance to center of gravity	Capacity	Overall weight	Max. outreach	Overall height
784641	720 mm	600 kg	320 kg	2500 mm	842 mm
Overall length	**Width**				
2874 mm	830 mm				

Mandatory machine equipment:

Swing Jib - PO 1000 / 1500

Reference number	Distance to center of gravity	Capacity	Overall weight	Max. outreach	Overall height
784642	450 mm	1000 kg	275 kg	1500 mm	1056 mm
Overall length	**Width**				
1874 mm	830 mm				

Mandatory machine equipment:

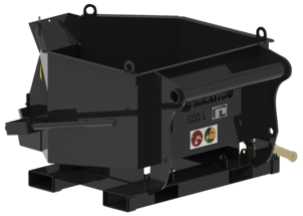
Swing Jib - PO 2000 / 1000

Reference number	Distance to center of gravity	Capacity	Overall weight	Max. outreach	Overall height
784643	243 mm	2000 kg	255 kg	1000 mm	842 mm
Overall length	**Width**				
1374 mm	830 mm				

Mandatory machine equipment:

SKIP

Concrete Skip



Concrete Skip - BB 500

Reference number	Distance to center of gravity	Capacity	Heaped capacity	Overall weight	Overall height
52000637	556 mm	1200 kg	500 l	191 kg	776 mm
Overall length	**Width**				
1466 mm	1216 mm				

Mandatory machine equipment:

Concrete Skip - BBG 500

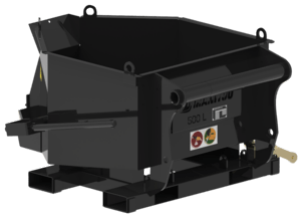
Reference number	Distance to center of gravity	Capacity	Heaped capacity	Overall weight	Overall height
52000639	598 mm	1200 kg	500 l	201 kg	776 mm
Overall length	**Width**				
1466 mm	1220 mm				

Mandatory machine equipment: ✕

Concrete Skip - BBH 500

Reference number	Distance to center of gravity	Capacity	Heaped capacity	Overall weight	Overall height
52000638	578 mm	1200 kg	500 l	200 kg	776 mm
Overall length	**Width**				
1466 mm	1110 mm				

Mandatory machine equipment:



Concrete Skip - BBHG 500

Reference number	Distance to center of gravity	Capacity	Heaped capacity	Overall weight	Overall height
52000640	618 mm	1200 kg	500 l	210 kg	776 mm
Overall length	**Width**				
1466 mm	1110 mm				

Mandatory machine equipment:

SKIP

Crane Skip

Crane Skip - GL 600

Reference number	Reference number E-RECO	Distance to center of gravity	Capacity	Heaped capacity	Overall weight
52000528	52000528	465 mm	1440 kg	600 l	227 kg
Overall height	**Overall length**	**Width**			
1197 mm	995 mm	1361 mm			

Mandatory machine equipment: ✕

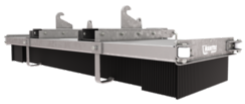
Crane Skip - GL 600 H

Reference number	Reference number E-RECO	Distance to center of gravity	Capacity	Heaped capacity	Overall weight
52000529	52553617	443 mm	1440 kg	600 l	245 kg
Overall height	**Overall length**	**Width**			
1197 mm	995 mm	1326 mm			

Mandatory machine equipment:

SWEEPER & CLEANER

Push broom



Push broom - SCPB 2500

Reference number	Overall weight	Overall height	Overall length	Width
52804221	215 kg	490 mm	1040 mm	2490 mm

Mandatory machine equipment:

SWEEPER & CLEANER

Sweeper 2 in 1

Sweeper 2 in 1 - SCC 2600

Reference number	Overall weight	Overall height	Overall length	Width
52000515	755 kg	950 mm	2140 mm	2820 mm

Mandatory machine equipment:

Sweeper 2 in 1 - SCC 2600 +

Reference number	Reference number E-RECO	Overall weight	Overall height	Overall length	Width
52000517	52000517	730 kg	950 mm	2170 mm	2820 mm

Mandatory machine equipment:

Sweeper 2 in 1 - SCC 2600 HWA +

Reference number	Overall weight	Overall height	Overall length	Width
52000519	800 kg	1550 mm	2170 mm	2820 mm

Mandatory machine equipment: +

WINCH RANGE

Hydraulic Winch

Hydraulic Winch - Winch 3T

Reference number	Reference number E-RECO	Distance to center of gravity	Working height	Capacity	Overall weight
885236	921337	320 mm	24 m	3000 kg	310 kg
Max. outreach	**Overall height**	**Overall length**	**Cable**	**Width**	**Depth**
519 mm	1869 mm	900 mm	1 loop	1080 mm	763 mm

Mandatory machine equipment: +

MISCELLANEOUS ATTACHMENTS

Material Basket

Material Basket - MB 2000 / 1000

Reference number	Distance to center of gravity	Capacity	Overall weight	Overall height	Overall length
52596600	694 mm	1000 kg	400 kg	1215 mm	1632 mm
Width	**Depth**				
2056 mm	1120 mm				

Mandatory machine equipment: ✕

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