Technical sheet:

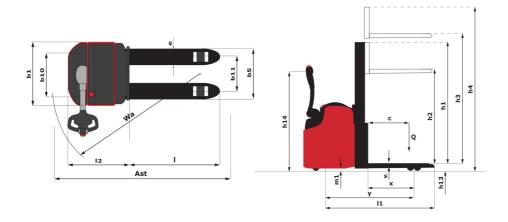
ES 725





Technical characteristics			ES 725 G	realed off 3 May 2024 at 4. 10.36 AM
1.2 Model Name		Technical characteristics		Metric
1.3 Power source	1.1	Manufacturer		Manitou
1.4 Operator type Pedestrian 1.5 Max. capacity Q 2500 kg 1.6 Load center of gravity c 6000 mm 1.8 Distance from Load backrest to center of rear axie x 655 mm 1.9 Wheelbase y 1156 mm 2.1 Senice weight y 1260 kg Wheelbs Tires type 1220 kg 3.1 Tires type 2 Polyuerhane 3.3 Number of load wheels / Size of load wheels 2 778x78 3.4 Number of stablizer wheels / Size of the stabilizer wheels 2 1 3.4 Number of roat wheels / Size of the stabilizer wheels 2 2/150x50 3.5 Number of forth wheels / Size of dive wheels 2 2/150x50 3.5 Number of forth wheels / Size of dive wheels 1 3/20x110 3.6 Fiont wheel gauge b10 84d mm 4.15 Foar wheel gauge b11 370 mm 4.19 Vearul weight 1 1915 mm	1.2	Model Name		ES 725
1.5 Max. capacity Q 2500 kg 1.6 Load center of gravity x 655 mm 1.8 Distance from Load backrest to center of rear axle x 655 mm 1.9 Wheelbase y 1156 mm Weight y 11280 kg Wheels 1280 kg 3.1 Tires bye 2.778x78 3.4 Number of load wheels / Size of load wheels 2.778x78 3.4 Number of sabilizer wheels 2.750x50 3.5 Number of firmt wheels / Size of the stabilizer wheels 2.74 3.5 Number of firmt wheels / Size of diffee wheels 2.74 3.5 Number of firmt wheels / Size of diffee wheels 1.1230x110 3.6 Firnt wheel gauge b10 844 mm 3.7 Rear wheel gauge b11 370 mm 4.15 Fok helpfit in lovy position p13 90 mm 4.19 Overall length p1 97 mm 4.20 Length face of forks p1 765 mm 4.21	1.3	Power source		Electrical
1.6 Load center of gravity c 600 mm 1.8 Distance from Load backrest to center of rear axle x 655 mm 19 Weight y 1156 mm 2.1 Service weight	1.4	Operator type		Pedestrian
1.8 Distance from Load backrest to center of rear axie x 655 mm 1.9 Wheelbase y 1156 mm 2.1 Service weight 1280 kg 2.1 Wheels 1280 kg 3.3 Tires type Polyurethane 3.4 Number of load wheels / Size of load wheels 2 2 / 78x78 3.4 Number of castor wheels 1 2 / 150x50 3.5 Number of firth wheels / Size of drive wheels 2 2 / 150x50 3.5 Number of firth wheels / Size of drive wheels 5 2 / 2 / 4 3.5 Number of firth wheels / Size of drive wheels 5 1 / 320x110 3.6 Front wheel gauge b10 844 mm 3.7 Rear wheel gauge b11 3 70 mm 4.15 Fork height in low position h13 90 mm 4.19 Ouerall width b1 97 km 4.21 Overall width / length b1 97 km 4.22 Fork section / width / length b3 840 mm 4.21	1.5	Max. capacity	Q	2500 kg
Note Note	1.6	Load center of gravity	С	600 mm
	1.8	Distance from Load backrest to center of rear axle	x	655 mm
Service weight Wheels	1.9	Wheelbase	у	1156 mm
		Weight		
3.1 Tires type Polyurethane 3.3 Number of load wheels / Size of load wheels 2 / 78x78 3.4 Number of stabilizer wheels / Size of the stabilizer wheels 2 / 150x50 3.5 Number of front wheels / size of drive wheels 2 / 4 3.5.2 Number of drive wheels / Size of drive wheels 1 / 320x110 3.6 Front wheel gauge b10 844 mm 3.7 Rear wheel gauge b11 370 mm 4.15 Fork height in low position h13 90 mm 4.19 Overall length 11 1915 mm 4.20 Length to face of forks 12 765 mm 4.21 Overall width b1 974 mm 4.22 Fork cariage width \$ / 2 / 1 70 mm / 210 mm / 1150 mm 4.24 Fork cariage width \$ / 2 / 1 70 mm / 210 mm / 1150 mm 4.24 Fork cariage width \$ / 2 / 1 70 mm / 210 mm / 1150 mm 4.25 Ground clearance below mast m1 30 mm 4.29 Ground clearance at centre of wheelbase m2 <	2.1	Service weight		1280 kg
3.3 Number of load wheels / Size of load wheels 2 / 78x78 3.4 Number of castor wheels 1 3.4 Number of stabilizer wheels / Size of the stabilizer wheels 2 / 150x50 3.5 Number of front wheels / rear wheels 2 / 4 3.5.2 Number of drive wheels / Size of drive wheels 11320x110 3.6 Front wheel gauge b10 844 mm 3.7 Rear wheel gauge b11 370 mm 4.15 Fofk height in low position h13 90 mm 4.19 Overall length l1 1915 mm 4.20 Length to face of forks l2 765 mm 4.21 Overall width / length s/e / 1 70 mm / 210 mm / 1150 mm 4.22 Forks section / width / length s/e / 1 70 mm / 210 mm / 1150 mm 4.24 Fork cariage width b3 840 mm 4.31 Ground clearance below mast m1 30 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.35 Tuming radius M8 4.90 km/h / 6 km/h </td <td></td> <td>Wheels</td> <td></td> <td></td>		Wheels		
3.4 Number of castor wheels / Size of the stabilizer wheels / Size of the stabilizer wheels / Size of the stabilizer wheels / Size of drive wheels / Size of Minimum / Size of Minimum / Size of Size of Minimum / Siz	3.1	Tires type		Polyurethane
3.4 Number of stabilizer wheels / Size of the stabilizer wheels 2 / 150x50 3.5 Number of front wheels / Foar wheels 2 / 4 3.5.2 Number of drive wheels / Size of drive wheels 1/320x110 3.6 Front wheel gauge b10 844 mm 3.7 Rear wheel gauge b11 370 mm Dimensions 4.15 Fork height in low position h13 90 mm 4.19 Overall length 11 1915 mm 4.20 Length to face of forks 12 765 mm 4.21 Overall width b1 974 mm 4.22 Fork section / width / length s / e / l 70 mm / 210 mm / 1150 mm 4.24 Fork carriage width b3 840 mm 4.31 Ground clearance at centre of wheelbase m2 30 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.35 Tuming radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm 5.1 Tavel speed (laden / unladen) 0.08 m/s / 0.15 m/s 0.15 m/s / 0.15 m/s	3.3	Number of load wheels / Size of load wheels		2 / 78x78
3.5 Number of front wheels / fear wheels 2 / 4 3.5.2 Number of drive wheels / Size of drive wheels 1/320x110 3.6 Front wheel gauge b10 844 mm 3.7 Rear wheel gauge b11 370 mm Dimensions 4.15 Fork height in low position h13 90 mm 4.19 Overall length 11 1915 mm 4.20 Length to face of forks 12 765 mm 4.21 Overall width b1 974 mm 4.22 Fork section / width / length s / e / l 70 mm / 210 mm / 1150 mm 4.24 Fork carriage width s / e / l 70 mm / 210 mm / 1150 mm 4.31 Ground clearance below mast m1 30 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.35 Tuming radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm 5.1 Travel speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3	3.4	Number of castor wheels		1
3.5.2 Number of drive wheels / Size of drive wheels 1/320x110 3.6 Front wheel gauge b10 844 mm 3.7 Rear wheel gauge b11 370 mm Dimensions 4.15 Fork height in low position h13 90 mm 4.19 Overall length 11 1915 mm 4.20 Length to face of forks 12 765 mm 4.21 Overall width b1 974 mm 4.22 Forks section / width / length 5 /e /l 70 mm / 210 mm / 1150 mm 4.24 Fork carriage width b3 840 mm 4.31 Ground clearance below mast m1 30 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.35 Turning radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm 5.1 Tavel speed (laden / unladen) K9 4.90 km/h 6 km/h 5.2 Lifting speed (laden / unladen) C9 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) C9 0.15 m/s	3.4	Number of stabilizer wheels / Size of the stabilizer wheels		2 / 150x50
3.6 Front wheel gauge b10 844 mm 3.7 Rear wheel gauge b11 370 mm Dimensions 4.15 Fork height in low position h13 90 mm 4.19 Overall length I1 1915 mm 4.20 Length to face of forks I2 765 mm 4.21 Overall width b1 974 mm 4.22 Fork section / width / length s / e / l 70 mm / 210 mm / 1150 mm 4.24 Fork carriage width b3 840 mm 4.31 Ground clearance below mast m1 30 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.35 Tuming radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm Perfomances 5.1 Travel speed (laden / unladen) 4.90 km/h / 6 km/h 5.2 Lifting speed (laden / unladen)	3.5	Number of front wheels / rear wheels		2 / 4
3.7 Rear wheel gauge bit 370 mm Dimensions 4.15 Fork height in low position h13 90 mm 4.19 Overall length 11 1915 mm 4.20 Length to face of forks 12 765 mm 4.21 Overall width b1 974 mm 4.22 Forks section / width / length \$ / e / l 70 mm / 210 mm / 1150 mm 4.24 Fork carriage width b3 840 mm 4.31 Ground clearance below mast m1 30 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.35 Turning radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm 5.1 Travel speed (laden / unladen) 4.90 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.3 Lowering speed (laden / unladen) 4 % / 7 % 5.1 Service brake Electro magnetic	3.5.2	Number of drive wheels / Size of drive wheels		1/320x110
Dimensions Length region of fork height in low position h13 90 mm 4.19 Overall length I1 1915 mm 4.20 Length to face of forks I2 765 mm 4.21 Overall width b1 974 mm 4.22 Forks section / width / length s / e / l 70 mm / 210 mm / 1150 mm 4.24 Fork carriage width b3 840 mm 4.31 Ground clearance below mast m1 30 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.35 Turning radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm 5.1 Travel speed (laden / unladen) 4.90 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.05 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic	3.6	Front wheel gauge	b10	844 mm
Dimensions Interpretation Interpretat	3.7	Rear wheel gauge	b11	370 mm
4.19 Overall length I1 1915 mm 4.20 Length to face of forks I2 765 mm 4.21 Overall width b1 974 mm 4.22 Forks section / width / length \$ / e / l 70 mm / 210 mm / 1150 mm 4.24 Fork carriage width b3 840 mm 4.31 Ground clearance below mast m1 30 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.35 Tuming radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm Performances 5.1 Travel speed (laden / unladen) 4.90 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic				
4.20 Length to face of forks I2 765 mm 4.21 Overall width b1 974 mm 4.22 Forks section / width / length s / e / l 70 mm / 210 mm / 1150 mm 4.24 Fork carriage width b3 840 mm 4.31 Ground clearance below mast m1 30 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.35 Tuming radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm 5.1 Travel speed (laden / unladen) 4.90 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic	4.15	Fork height in low position	h13	90 mm
4.21 Overall width b1 974 mm 4.22 Forks section / width / length s / e / l 70 mm / 210 mm / 1150 mm 4.24 Fork carriage width b3 840 mm 4.31 Ground clearance below mast m1 30 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.35 Tuming radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm 5.1 Travel speed (laden / unladen) 4.90 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic	4.19	Overall length	I1	1915 mm
4.21 Overall width b1 974 mm 4.22 Forks section / width / length s / e / l 70 mm / 210 mm / 1150 mm 4.24 Fork carriage width b3 840 mm 4.31 Ground clearance below mast m1 30 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.35 Tuming radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm 5.1 Travel speed (laden / unladen) 4.90 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic	4.20	Length to face of forks	12	765 mm
4.24 Fork carriage width b3 840 mm 4.31 Ground clearance below mast m1 30 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.35 Tuming radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm Performances 5.1 Travel speed (laden / unladen) 4.90 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic	4.21		b1	974 mm
4.31 Ground clearance below mast m1 30 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.35 Tuming radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm Performances 5.1 Travel speed (laden / unladen) 4.90 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic	4.22	Forks section / width / length	s / e / l	70 mm / 210 mm / 1150 mm
4.31 Ground clearance below mast m1 30 mm 4.32 Ground clearance at centre of wheelbase m2 30 mm 4.35 Tuming radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm Performances 5.1 Travel speed (laden / unladen) 4.90 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic	4.24	Fork carriage width	b3	840 mm
4.35 Tuming radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm Performances 5.1 Travel speed (laden / unladen) 4.90 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic	4.31		m1	30 mm
4.35 Tuming radius Wa 1472 mm 4.9 Height tiller min. / max. h14 / h14 900 mm / 1400 mm Perfomances 5.1 Travel speed (laden / unladen) 4.90 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic	4.32	Ground clearance at centre of wheelbase	m2	30 mm
Performances 5.1 Travel speed (laden / unladen) 4.90 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic	4.35	Turning radius	Wa	1472 mm
5.1 Travel speed (laden / unladen) 4.90 km/h / 6 km/h 5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic	4.9	Height tiller min. / max.	h14 / h14	900 mm / 1400 mm
5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic		Performances		
5.2 Lifting speed (laden / unladen) 0.08 m/s / 0.15 m/s 5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic	5.1	Travel speed (laden / unladen)		4.90 km/h / 6 km/h
5.3 Lowering speed (laden / unladen) 0.15 m/s / 0.11 m/s 5.8 Max Gradeability (laden / unladen) 4 % / 7 % 5.10 Service brake Electro magnetic	5.2			0.08 m/s / 0.15 m/s
5.10 Service brake Electro magnetic	5.3			0.15 m/s / 0.11 m/s
5.10 Service brake Electro magnetic	5.8	Max Gradeability (laden / unladen)		4 % / 7 %
Engine	5.10			Electro magnetic
		Engine		
6.1 Drive motor rating \$2.60 min 1.20 kW	6.1	Drive motor rating \$2 60 min		1.20 kW
6.2 Lift motor rating at S3 15% 3 kW				3 kW
6.3 Battery according to DIN 43531/35/36 A, B, C Traction		•		
6.4 Battery voltage / capacity 24 V / 189 Ah				
6.5 Battery weight (+/- 5%)				
Miscellaneous				
8.1 Type of drive control DC	8.1			DC
8.4 Sound level at the driver's ear according to DIN 12 053 65 dB		•		

ES 725 - Dimensional drawing



Characteristics of masts and residual capacities

Visibilité totale Simplex (FVS)		FVS 14
h1 - Mast lowered height	mm	1930
h2 - Mast free lift	mm	1490
h3 - Mast lifting height	mm	1490
h4 - Mast extended height	mm	1930
Residual capacity at max height	kg	2500
Height at max capacity	mm	1490

Full Visibility Duplex (FVD)		FVD 27
h1 - Mast lowered height	mm	1900
h2 - Mast free lift	mm	77
h3 - Mast lifting height	mm	2700
h4 - Mast extended height	mm	3240
Residual capacity at max height	kg	2500
Height at max capacity	mm	2760





Head Office

B.P. 249 - 430 rue de l'Aubinière 44150 Ancenis Cedex - France Tel: +33 (0)2 40 09 10 11 - Fax: +33 (0)2 40 09 10 97 www.manitou.com



This publication provides a description of the configuration versions and options for Manitou products, which may differ for equipment. The equipment presented in this brochure may be part of a series, as an option, or it may not be available, depending on the versions. Manitou reserves the right, at any time and without notice, to amend the specifications described and represented. The specifications provided do not bind the manufacturer. For more details, please contact your Manitou agent. This is not a contractually binding document. The presentation of the products is not contractually binding. List of specifications non-exhaustive. The logos as well as the visual identity of the company are owned by Manitou and cannot be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are only provided for consultation and information purposes.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,668,399 euros - 857 802 508 RCS Nantes