

Technical sheet :

ME 430



Technical characteristics			Metric
1.1	Manufacturer		Manitou
1.2	Model Name		ME 430
1.3	Power source		Electric
1.4	Operator type		Seated
1.5	Max. capacity	Q	3000 kg
1.6	Load centre of gravity	c	500 mm
1.8	Load distance, centre of drive axle to fork	x	440 mm
1.9	Wheelbase	y	1750 mm
Weight			
2.1	Service Weight		5250 kg
2.2	Weight on front axle (laden) / rear axle (laden)		7340 kg / 980 kg
2.3	Weight on front axle (Unladen) / rear axle (Unladen)		2572 kg / 2578 kg
Wheels			
3.1	Tyres type		Super Elastic
3.2	Dimensions of front wheels		23 x 9-10
3.3	Dimensions of rear wheels		18 x 7-8
3.5	Number of front wheels / rear wheels		2 / 2
3.2	Number of drive wheels		2
3.6	Front wheel gauge	b10	1073 mm
3.7	Rear wheel	b11	960 mm
Dimensions			
4.1	Tilt of Mast Forward (deg) / Backward (deg)	α / β	5 / 8
4.7	Height of overhead guard (cabin)	h6	2240 mm
4.7	Overall height of standard overhead guard	h6	2240 mm
4.8	Seat height/stand height	h7	1190 mm
4.12	Height of towing bar (coupling height)	h10	625 mm
4.19	Overall length	l1	3645 mm
4.20	Length to face of forks	l2	2495 mm
4.21	Overall width	b1	1275 mm
4.22	Forks section / width / length	s / e / l	45 mm x 122 mm x 1150 mm
4.23	Fork carriage ISO 2328 (class/form) A/B		3A
4.24	Fork carriage width	b3	1100 mm
4.31	Ground clearance below mast	m1	105 mm
4.32	Ground clearance at centre of wheelbase	m2	115 mm
4.33	Aisle width for 1000 x 1200 pallet widthways	Ast	4040 mm
4.34	Aisle width for 800 x 1200 pallet lengthways	Ast	4240 mm
4.35	Turning radius	Wa	2400 mm
4.36	Internal turning radius (over tyres)	b13	730 mm
Performances			
5.1	Travel speed (laden / unladen)		19 km/h / 20 km/h
5.2	Lifting speed (laden / unladen)		0.42 Nm / 0.54 Nm
5.3	Lowering speed (laden / unladen)		0.47 Nm / 0.42 Nm
5.5	Drawbar pull (Laden / Unladen)		1740 daN / 1680
5.7	Gradeability - laden / unladen (%)		14 % / 20

	Performances		
5.10	Service brake		Oil bath
	Engine		
6.1	Drive motor rating S2 60 min		18.5 kW
6.2	Lift motor rating at S3 15%		25.4 kW
6.3	Battery according to DIN 43531/35/36 A, B, C		DIN43536 A
6.4	Battery / Batteries capacity		80 V / 700 A
7.5	Fuel consumption according to VDI cycle		11.5
	Miscellaneous		
8.1	Type of drive control		Electronic
8.2	Working hydraulic pressure for attachments (bar)		210 Bar
8.3	Oil flow rate for attachments (l/min)		65
8.4	Measured/guaranteed mean noise level at the ear of the operator		72

Free Lift Triplex		FLT 40	FLT 43	FLT 48	FLT 50	FLT 55	FLT 60
Residual Capacity without attachment (Industrial load chart)	kg	3000	3000	3000	3000	2900	2700
Residual Capacity with integrated side shift (Industrial load chart)	kg	3000	3000	3000	2900	2800	2650
Residual capacity with hooked-on side shift (Industrial load chart)	kg	3000	3000	3000	3000	2900	2700
Height at max capacity	mm	4000	4300	4800	5000	4000	4000
Height at max capacity with integrated sideshift	mm	4000	4300	4800	4000	4000	4000



Siège Social
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 brochure describes versions and configuration options for Manitou products which may be fitted with different equipment. The equipment described in this brochure may be standard, optional or not available depending on version. Manitou reserves the right to change the specifications shown and described at any time and without prior warning. The manufacturer is not liable for the specifications given. For more information, contact your Manitou dealer. Non-contractual document. Product descriptions may differ from actual products. List of specifications is not comprehensive. The logos and visual identity of the company are the property of Manitou and may not be used without authorisation. All rights reserved. The photos and diagrams contained in this brochure are provided for information only.

MANITOU BF SA - Limited company with board of directors - Share capital: 39,547,824 euros - 857 802 508
RCS Nantes