

Technical sheet :

ER 14



 **MANITOU**
HANDLING YOUR WORLD

The technical drawings include a top-down view of the chassis and a side profile view of the body layout.

Top-down view (left): Shows the chassis with dimensions B , $b1$, $b11$, $b4$, $b3$, $b5$, d_4 , $b2$, and W_B .

Side profile view (right): Shows the body layout with dimensions H , h_4 , $h3$, $h1$, $h2$, $h5$, $h6$, $h7$, $h8$, $h9$, $h10$, $h11$, $h12$, $h13$, $h14$, $h15$, $h16$, $h17$, $h18$, $h19$, $h20$, $h21$, $h22$, $h23$, $h24$, $h25$, $h26$, $h27$, $h28$, $h29$, $h30$, $h31$, $h32$, $h33$, $h34$, $h35$, $h36$, $h37$, $h38$, $h39$, $h40$, $h41$, $h42$, $h43$, $h44$, $h45$, $h46$, $h47$, $h48$, $h49$, $h50$, $h51$, $h52$, $h53$, $h54$, $h55$, $h56$, $h57$, $h58$, $h59$, $h60$, $h61$, $h62$, $h63$, $h64$, $h65$, $h66$, $h67$, $h68$, $h69$, $h70$, $h71$, $h72$, $h73$, $h74$, $h75$, $h76$, $h77$, $h78$, $h79$, $h80$, $h81$, $h82$, $h83$, $h84$, $h85$, $h86$, $h87$, $h88$, $h89$, $h90$, $h91$, $h92$, $h93$, $h94$, $h95$, $h96$, $h97$, $h98$, $h99$, $h100$, $h101$, $h102$, $h103$, $h104$, $h105$, $h106$, $h107$, $h108$, $h109$, $h110$, $h111$, $h112$, $h113$, $h114$, $h115$, $h116$, $h117$, $h118$, $h119$, $h120$, $h121$, $h122$, $h123$, $h124$, $h125$, $h126$, $h127$, $h128$, $h129$, $h130$, $h131$, $h132$, $h133$, $h134$, $h135$, $h136$, $h137$, $h138$, $h139$, $h140$, $h141$, $h142$, $h143$, $h144$, $h145$, $h146$, $h147$, $h148$, $h149$, $h150$, $h151$, $h152$, $h153$, $h154$, $h155$, $h156$, $h157$, $h158$, $h159$, $h160$, $h161$, $h162$, $h163$, $h164$, $h165$, $h166$, $h167$, $h168$, $h169$, $h170$, $h171$, $h172$, $h173$, $h174$, $h175$, $h176$, $h177$, $h178$, $h179$, $h180$, $h181$, $h182$, $h183$, $h184$, $h185$, $h186$, $h187$, $h188$, $h189$, $h190$, $h191$, $h192$, $h193$, $h194$, $h195$, $h196$, $h197$, $h198$, $h199$, $h200$, $h201$, $h202$, $h203$, $h204$, $h205$, $h206$, $h207$, $h208$, $h209$, $h210$, $h211$, $h212$, $h213$, $h214$, $h215$, $h216$, $h217$, $h218$, $h219$, $h220$, $h221$, $h222$, $h223$, $h224$, $h225$, $h226$, $h227$, $h228$, $h229$, $h230$, $h231$, $h232$, $h233$, $h234$, $h235$, $h236$, $h237$, $h238$, $h239$, $h240$, $h241$, $h242$, $h243$, $h244$, $h245$, $h246$, $h247$, $h248$, $h249$, $h250$, $h251$, $h252$, $h253$, $h254$, $h255$, $h256$, $h257$, $h258$, $h259$, $h260$, $h261$, $h262$, $h263$, $h264$, $h265$, $h266$, $h267$, $h268$, $h269$, $h270$, $h271$, $h272$, $h273$, $h274$, $h275$, $h276$, $h277$, $h278$, $h279$, $h280$, $h281$, $h282$, $h283$, $h284$, $h285$, $h286$, $h287$, $h288$, $h289$, $h290$, $h291$, $h292$, $h293$, $h294$, $h295$, $h296$, $h297$, $h298$, $h299$, $h300$, $h301$, $h302$, $h303$, $h304$, $h305$, $h306$, $h307$, $h308$, $h309$, $h310$, $h311$, $h312$, $h313$, $h314$, $h315$, $h316$, $h317$, $h318$, $h319$, $h320$, $h321$, $h322$, $h323$, $h324$, $h325$, $h326$, $h327$, $h328$, $h329$, $h330$, $h331$, $h332$, $h333$, $h334$, $h335$, $h336$, $h337$, $h338$, $h339$, $h340$, $h341$, $h342$, $h343$, $h344$, $h345$, $h346$, $h347$, $h348$, $h349$, $h350$, $h351$, $h352$, $h353$, $h354$, $h355$, $h356$, $h357$, $h358$, $h359$, $h360$, $h361$, $h362$, $h363$, $h364$, $h365$, $h366$, $h367$, $h368$, $h369$, $h370$, $h371$, $h372$, $h373$, $h374$, $h375$, $h376$, $h377$, $h378$, $h379$, $h380$, $h381$, $h382$, $h383$, $h384$, $h385$, $h386$, $h387$, $h388$, $h389$, $h390$, $h391$, $h392$, $h393$, $h394$, $h395$, $h396$, $h397$, $h398$, $h399$, $h400$, $h401$, $h402$, $h403$, $h404$, $h405$, <

Characteristics of masts and residual capacities

Full Visibility Duplex (FVD)		FVD 32	FVD 36	FVD 38	FVD 42	FVD 45	FVD 48
Mast/fork carriage tilt, forward	°	4	4	4	4	4	4
Mast/fork carriage tilt, backward	°	1	1	1	1	1	1
h1 - Mast lowered height	mm	2170	2370	2470	2670	2820	2970
h2 - Mast free lift	mm	125	125	125	125	125	125
h3 - Mast lifting height	mm	3200	3600	3800	4200	4500	4800
h4 - Mast extended height	mm	3780	4180	4380	4780	5080	5380
Residual capacity with integrated side shift at max height	kg	1400	1400	1400	1400	1400	1400

Free Lift Triplex (FLT)		FLT 48	FLT 54	FLT 57	FLT 63	FLT 68	FLT 73
Mast/fork carriage tilt, forward	°	3	3	3	3	3	3
Mast/fork carriage tilt, backward	°	1	1	1	1	1	1
h1 - Mast lowered height	mm	2140	2340	2440	2640	2790	2957
h2 - Mast free lift	mm	1600	1800	1900	2100	2250	2417
h3 - Mast lifting height	mm	4800	5400	5700	6300	6800	7300
h4 - Mast extended height	mm	5380	5980	6280	6880	7330	7830
Residual capacity with integrated side shift at max height	kg	1400	1400	1400	1000	700	

**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