

Technical sheet :

# ER 16 HD



 **MANITOU**  
HANDLING YOUR WORLD

The image contains two technical drawings of a vehicle chassis. The top drawing is a top-down view showing the chassis layout with dimensions:  $B$  (overall width),  $b1$ ,  $b2$ ,  $b3$ ,  $b4$ ,  $b5$ ,  $a$ ,  $w_a$ , and  $b2$ . The bottom drawing is a side view showing the chassis profile with dimensions:  $h_4$ ,  $H$ ,  $h_5$ ,  $h_1$ ,  $h_2$ ,  $h_3$ ,  $h_6$ ,  $b_1'$ ,  $b_2'$ ,  $b_3'$ ,  $b_4'$ ,  $b_5'$ ,  $b_6'$ ,  $b_7$ ,  $h_8$ ,  $h_9$ ,  $h_{10}$ ,  $h_{11}$ ,  $h_{12}$ ,  $h_{13}$ ,  $h_{14}$ ,  $h_{15}$ ,  $h_{16}$ ,  $h_{17}$ ,  $h_{18}$ ,  $h_{19}$ ,  $h_{20}$ ,  $h_{21}$ ,  $h_{22}$ ,  $h_{23}$ ,  $h_{24}$ ,  $h_{25}$ ,  $h_{26}$ ,  $h_{27}$ ,  $h_{28}$ ,  $h_{29}$ ,  $h_{30}$ ,  $h_{31}$ ,  $h_{32}$ ,  $h_{33}$ ,  $h_{34}$ ,  $h_{35}$ ,  $h_{36}$ ,  $h_{37}$ ,  $h_{38}$ ,  $h_{39}$ ,  $h_{40}$ ,  $h_{41}$ ,  $h_{42}$ ,  $h_{43}$ ,  $h_{44}$ ,  $h_{45}$ ,  $h_{46}$ ,  $h_{47}$ ,  $h_{48}$ ,  $h_{49}$ ,  $h_{50}$ ,  $h_{51}$ ,  $h_{52}$ ,  $h_{53}$ ,  $h_{54}$ ,  $h_{55}$ ,  $h_{56}$ ,  $h_{57}$ ,  $h_{58}$ ,  $h_{59}$ ,  $h_{60}$ ,  $h_{61}$ ,  $h_{62}$ ,  $h_{63}$ ,  $h_{64}$ ,  $h_{65}$ ,  $h_{66}$ ,  $h_{67}$ ,  $h_{68}$ ,  $h_{69}$ ,  $h_{70}$ ,  $h_{71}$ ,  $h_{72}$ ,  $h_{73}$ ,  $h_{74}$ ,  $h_{75}$ ,  $h_{76}$ ,  $h_{77}$ ,  $h_{78}$ ,  $h_{79}$ ,  $h_{80}$ ,  $h_{81}$ ,  $h_{82}$ ,  $h_{83}$ ,  $h_{84}$ ,  $h_{85}$ ,  $h_{86}$ ,  $h_{87}$ ,  $h_{88}$ ,  $h_{89}$ ,  $h_{90}$ ,  $h_{91}$ ,  $h_{92}$ ,  $h_{93}$ ,  $h_{94}$ ,  $h_{95}$ ,  $h_{96}$ ,  $h_{97}$ ,  $h_{98}$ ,  $h_{99}$ ,  $h_{100}$ ,  $h_{101}$ ,  $h_{102}$ ,  $h_{103}$ ,  $h_{104}$ ,  $h_{105}$ ,  $h_{106}$ ,  $h_{107}$ ,  $h_{108}$ ,  $h_{109}$ ,  $h_{110}$ ,  $h_{111}$ ,  $h_{112}$ ,  $h_{113}$ ,  $h_{114}$ ,  $h_{115}$ ,  $h_{116}$ ,  $h_{117}$ ,  $h_{118}$ ,  $h_{119}$ ,  $h_{120}$ ,  $h_{121}$ ,  $h_{122}$ ,  $h_{123}$ ,  $h_{124}$ ,  $h_{125}$ ,  $h_{126}$ ,  $h_{127}$ ,  $h_{128}$ ,  $h_{129}$ ,  $h_{130}$ ,  $h_{131}$ ,  $h_{132}$ ,  $h_{133}$ ,  $h_{134}$ ,  $h_{135}$ ,  $h_{136}$ ,  $h_{137}$ ,  $h_{138}$ ,  $h_{139}$ ,  $h_{140}$ ,  $h_{141}$ ,  $h_{142}$ ,  $h_{143}$ ,  $h_{144}$ ,  $h_{145}$ ,  $h_{146}$ ,  $h_{147}$ ,  $h_{148}$ ,  $h_{149}$ ,  $h_{150}$ ,  $h_{151}$ ,  $h_{152}$ ,  $h_{153}$ ,  $h_{154}$ ,  $h_{155}$ ,  $h_{156}$ ,  $h_{157}$ ,  $h_{158}$ ,  $h_{159}$ ,  $h_{160}$ ,  $h_{161}$ ,  $h_{162}$ ,  $h_{163}$ ,  $h_{164}$ ,  $h_{165}$ ,  $h_{166}$ ,  $h_{167}$ ,  $h_{168}$ ,  $h_{169}$ ,  $h_{170}$ ,  $h_{171}$ ,  $h_{172}$ ,  $h_{173}$ ,  $h_{174}$ ,  $h_{175}$ ,  $h_{176}$ ,  $h_{177}$ ,  $h_{178}$ ,  $h_{179}$ ,  $h_{180}$ ,  $h_{181}$ ,  $h_{182}$ ,  $h_{183}$ ,  $h_{184}$ ,  $h_{185}$ ,  $h_{186}$ ,  $h_{187}$ ,  $h_{188}$ ,  $h_{189}$ ,  $h_{190}$ ,  $h_{191}$ ,  $h_{192}$ ,  $h_{193}$ ,  $h_{194}$ ,  $h_{195}$ ,  $h_{196}$ ,  $h_{197}$ ,  $h_{198}$ ,  $h_{199}$ ,  $h_{200}$ ,  $h_{201}$ ,  $h_{202}$ ,  $h_{203}$ ,  $h_{204}$ ,  $h_{205}$ ,  $h_{206}$ ,  $h_{207}$ ,  $h_{208}$ ,  $h_{209}$ ,  $h_{210}$ ,  $h_{211}$ ,  $h_{212}$ ,  $h_{213}$ ,  $h_{214}$ ,  $h_{215}$ ,  $h_{216}$ ,  $h_{217}$ ,  $h_{218}$ ,  $h_{219}$ ,  $h_{220}$ ,  $h_{221}$ ,  $h_{222}$ ,  $h_{223}$ ,  $h_{224}$ ,  $h_{225}$ ,  $h_{226}$ ,  $h_{227}$ ,  $h_{228}$ ,  $h_{229}$ ,  $h_{230}$ ,  $h_{231}$ ,  $h_{232}$ ,  $h_{233}$ ,  $h_{234}$ ,  $h_{235}$ ,  $h_{236}$ ,  $h_{237}$ ,  $h_{238}$ ,  $h_{239}$ ,  $h_{240}$ ,  $h_{241}$ ,  $h_{242}$ ,  $h_{243}$ ,  $h_{244}$ ,  $h_{245}$ ,  $h_{246}$ ,  $h_{247}$ ,  $h_{248}$ ,  $h_{249}$ ,  $h_{250}$ ,  $h_{251}$ ,  $h_{252}$ ,  $h_{253}$ ,  $h_{254}$ ,  $h_{255}$ ,  $h_{256}$ ,  $h_{257}$ ,  $h_{258}$ ,  $h_{259}$ ,  $h_{260}$ ,  $h_{261}$ ,  $h_{262}$ ,  $h_{263}$ ,  $h_{264}$ ,  $h_{265}$ ,  $h_{266}$ ,  $h_{267}$ ,  $h_{268}$ ,  $h_{269}$ ,  $h_{270}$ ,  $h_{271}$ ,  $h_{272}$ ,  $h_{273}$ ,  $h_{274}$ ,  $h_{275}$ ,  $h_{276}$ ,  $h_{277}$ ,  $h_{278}$ ,  $h_{279}$ ,  $h_{280}$ ,  $h_{281}$ ,  $h_{282}$ ,  $h_{283}$ ,  $h_{284}$ ,  $h_{285}$ ,  $h_{286}$ ,  $h_{287}$ ,  $h_{288}$ ,  $h_{289}$ ,  $h_{290}$ ,  $h_{291}$ ,  $h_{292}$ ,  $h_{293}$ ,  $h_{294}$ ,  $h_{295}$ ,  $h_{296}$ ,  $h_{297}$ ,  $h_{298}$ ,  $h_{299}$ ,  $h_{300}$ ,  $h_{301}$ ,  $h_{302}$ ,  $h_{303}$ ,  $h_{304}$ ,  $h_{305}$ ,  $h_{306}$ ,  $h_{307}$ ,  $h_{308}$ ,  $h_{309}$ ,  $h_{310}$ ,  $h_{311}$ ,  $h_{312}$ ,  $h_{313}$ ,  $h_{314}$ ,  $h_{315}$ ,  $h_{316}$ ,  $h_{317}$ ,  $h_{318}$ ,  $h_{319}$ ,  $h_{320}$ ,  $h_{321}$ ,  $h_{322}$ ,  $h_{323}$ ,  $h_{324}$ ,  $h_{325}$ ,  $h_{326}$ ,  $h_{327}$ ,  $h_{328}$ ,  $h_{329}$ ,  $h_{330}$ ,  $h_{331}$ ,  $h_{332}$ ,  $h_{333}$ ,  $h_{334}$ ,  $h_{335}$ ,  $h_{336}$ ,  $h_{337}$ ,  $h_{338}$ ,  $h_{339}$ ,  $h_{340}$ ,  $h_{341}$ ,  $h_{342}$ ,  $h_{343}$ ,  $h_{344}$ ,  $h_{345}$ ,  $h_{346}$ ,  $h_{347}$ ,  $h_{348}$ ,  $h_{349}$ ,  $h_{350}$ ,  $h_{351}$ ,  $h_{352}$ ,  $h_{353}$ ,  $h_{354}$ ,  $h_{355}$ ,  $h_{356}$ ,  $h_{357}$ ,  $h_{358}$ ,  $h_{359}$ ,  $h_{360}$ ,  $h_{361}$ ,  $h_{362}$ ,  $h_{363}$ ,  $h_{364}$ ,  $h_{365}$ ,  $h_{366$

# Characteristics of masts and residual capacities

Free Lift Triplex (FLT)		FLT 64	FLT 71	FLT 76	FLT 81	FLT 85	FLT 90	FLT 96	FLT 102	FLT 109
Mast/fork carriage tilt, forward	°	3	3	1	1	1	1	1	1	1
Mast/fork carriage tilt, backward	°	1	1	1	1	1	1	1	1	1
h1 - Mast lowered height	mm	2957	3190	3357	3523	3673	3823	4040	4240	440
h2 - Mast free lift	mm	2400	2650	2800	2900	3100	3200	3500	3700	3900
h3 - Mast lifting height	mm	6350	7050	7550	8050	8500	8950	9600	10200	10800
h4 - Mast extended height	mm	6930	7630	8130	8630	9080	9530	10180	10780	11380
Residual capacity with integrated side shift at max heigh	kg	1600	1600	1400	1300	1150	1000	800		

**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](http://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