



2015
HPR Certificate



ORC
World Leader in Rating Technology

Rating Office



World Leader In Rating Technology

Central
Rating
Office

Certificate

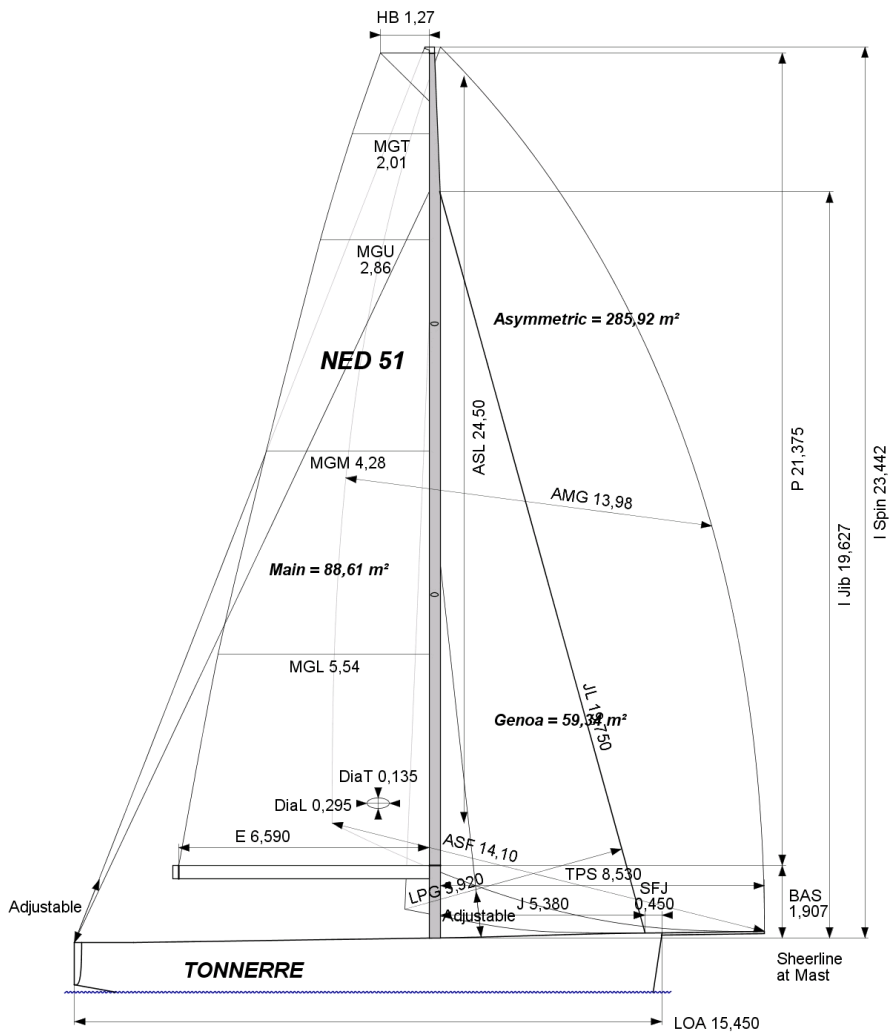
Number **141696**
Issued On
HPR Ref **GER20009945**
Rule Ver.
Valid until **31/12/2015**
Price **€231.75**

Owner

PETER VROON

I certify that I understand my responsibilities under HPR Rules and Regulations

Signature



HULL	
LOA	15.450
FFM	1.391
FAM	1.151
FBI	1.331
Y	0.130
FO	0.070
MB	4.724
SMD	
DMT	3.710
FMD	0.000
KCG	
KW	

RIG	
MWT	315.00
MCG	7.705
BWT	42.10
CPW	1.000
CPD	0.135

CREW	
Maximum Crew Weight	1320.0

BOAT	
Name	TONNERRE
Sail Nr	NED 51
Class	KER 51
Designer	JASON KER
Builder	KNIERIM
Age Date	01/2012
Series Date	
Measurement	01/06/2014
Measurer	HEINRITZ/LORENZEN

HPR RATED LENGTH				
		Base	Actual	Rated
L	Length	-	-	15.3800
AGEc	Age Allowance	-	-	0.9940
BMc	Beam	4.406	4.724	1.0034
FRc	Freeboard	1.304	1.291	1.0000
DRAc	Draft	3.474	3.710	1.0030
VCGc	Vertical CG	-1.113	-1.275	1.0112
CFc	Crew Factor	1105	1320	1.0010
DEmptyc	Displacement	7067	6684	1.0074
USAc	Upwind Sail Area	161.13	151.14	0.9886
SPINc	Spinnaker Area	263.28	285.92	1.0105
RHc	Rig Height	22.768	23.442	1.0050
RMASTc	Robust Mast	-	-	1.0000
APc	Appendage	-	-	1.0000
EPc	Engine-Propeller	-	-	0.9829
CCc	Economy of Scale	-	-	1.0000
		Final Rated Length		15.4812
		Time On Time		1.1063
		Time On Distance		499.0