SC44 SAILING CATAMARAN

MAIN PARTICULARS

Parameter	Symbol	Units	Value
Length			
maximum length (with catwalk)	L_{MAX}	m	14,77
length of hull	L_H	m	13,47
length of waterline (at DWL)	L_{WL}	m	13,46
Beam			
maximum beam	B_{MAX}	m	7,49
beam of hull	B_H	m	7,49
beam of waterline (at DWL)**	B_{WL}		1,50
beam between centres of buoyancy	B_{CB}	m	5,58
Depth			
maximum depth	D_{MAX}	m	2,50
midship depth	$D_{LWL/2}$	m	2,50
Freeboard (at DWL)			
freeboard forward	F_F	m	1,72
freeboard midship	F_M	m	1,74
freeboard aft	F_A	m	0,61
Draught			
canoe body draught (at DWL)	T_C	m	0,77
minimum draught (LCC displacement)	T_{MIN}	m	1,28
maximum draught (LDC displacement)	T_{MAX}	m	1,36
Height			
headroom in saloon		m	2,25
air draught (at DWL, excluding antenna)	H_A	m	20,15
Displacement			
volume displacement (at DWL)	V_D	m^3	16,57
light craft condition mass (LCC)	m_{LCC}	kg	13500
mass of craft at minimum operation condition (MOC)	m_{MOC}	kg	14770
loaded craft mass (LDC)	m_{LDC}	kg	17000
maximum load	m_{MTL}	kg	3500
immersion (at DWL)		kg/cm	325,4
Engine			
number of engines		-	2
model		-	Yanmar 3JH4E
maximin power at crankshaft		kW(HP)	29,4(40)
maximum speed of crankshaft		RPM	3600
fuel consumption		L/h	6,5
dry weight with out gearbox		kg	173
Performance			
maximum design speed (minimum operation condition)		kts	8.7*
maximum design speed (loaded craft)		kts	8.4*
recommended cruising speed		kts	7*
Tankage			
fuel		L	2x450
water		L	2x200, 2x250
waste		L	2x150
gray		L	2x150
Sails area			
main		m^2	73
genoa		m^2	46,5
staysail		m^2	8
Sails measurements			
mailsail hoist	P	mm	15840
mainsail foot	E	mm	5820
foretriangle height	I	mm	15520
foretriangle base	J	mm	5265
longest perpendicular	LP	mm	5600
Passengers/Crew			
passengers/crew			12
Coefficients and parameters (at DWL)**			
block coefficient	CB	-	0,532
midship section area coefficient	CM	-	0,814
waterplane area coefficient	CWP	-	0,784
prismatic coefficient	CP	-	0,654
longitudinal center of buoyancy	LCB/L_{WL}	-	0,462
length to displacement ratio	$L_{WL}/V_D^{1/3}$	-	5,280
displacement to length ratio	DLR	-	97,2
Certification			
Category			A 'ocean'

All measurements according to ISO8666

* - estimated

** - for one hull