

AB45 POWER CATAMARAN

MAIN PARTICULARS

Parameter	Symbol	Units	Value
Length			
maximum length (with platform)	L_{MAX}	m	15.02
length of hull	L_H	m	13.77
length of waterline (at DWL)	L_{WL}	m	13.14
Beam			
maximum beam	B_{MAX}	m	6.97
beam of hull	B_H	m	6.97
beam of waterline (at DWL)**	B_{WL}		1.99
beam between centres of buoyancy	B_{CB}	m	5.05
beam at chine**	B_C	m	1.54
Depth			
maximum depth	D_{MAX}	m	2.55
midship depth	$D_{LWL/2}$	m	2.51
Freeboard (at DWL)			
freeboard forward	F_F	m	1.80
freeboard midship	F_M	m	1.89
freeboard aft	F_A	m	0.92
Draught			
canoe body draught (at DWL)	T_C	m	0.59
minimum draught (LCC displacement)	T_{MIN}	m	0.61
maximum draught (LDC displacement)	T_{MAX}	m	0.70
Height			
headroom in saloon		m	2.30
air draught (at DWL, excluding antenna)	H_A	m	5.56
Displacement			
volume displacement (at DWL)	V_D	m^3	11.11
light craft condition mass (LCC)	m_{LCC}	kg	12000
mass of craft at minimum operation condition (MOC)	m_{MOC}	kg	12410
loaded craft mass (LDC)	m_{LDC}	kg	15000
maximum load	m_{MTL}	kg	3000
immersion (at DWL)		kg/cm	314.72
Engine			
number of engines		-	2
model		-	Yanmar 6BY
maximum power at crankshaft		kW(HP)	191(260)
maximum speed of crankshaft		RPM	4000
dry weight with out gearbox		kg	385
Performance			
maximum design speed (minimum operation condition)		kts	24
maximum design speed (loaded craft)		kts	20
recommended cruising speed		kts	18
Tankage			
fuel		L	1,000
water		L	800
waste		L	400
Passengers/Crew			
crew			2
passengers			8
Coefficients and parameters (at DWL)*			
block coefficient	CB	-	0.529
midship section area coefficient	CM	-	0.689
waterplane area coefficient	CWP	-	0.852
prismatic coefficient	CP	-	0.767
deadrise angle at transom	β	deg	12
longitudinal center of buoyancy	LCB/ L_{WL}	-	0.442
length to displacement ratio	$L_{WL}/V_D^{1/3}$	-	5.893
displacement to length ratio	DLR	-	140.86
Certification			
Category			B 'offshore'

All measurements according to ISO8666

* - estimated (depends of propeller diameter limit)

** - for one hull