

## XPE27 ALUMINUM POWERBOAT

### MAIN PARTICULARS

Parameter	Symbol	Units	Value
<b>Length</b>			
maximum length	$L_{MAX}$	m	9.16
length of hull	$L_H$	m	8.20
length of waterline (at DWL)	$L_{WL}$	m	7.18
<b>Beam</b>			
maximum beam	$B_{MAX}$	m	2.93
beam of hull	$B_H$	m	2.87
beam at waterline (at DWL)*	$B_{WL}$	m	2.56
beam of chine	$B_C$	m	2.51
<b>Depth</b>			
maximum depth	$D_{MAX}$	m	1.48
midship depth	$D_{LWL/2}$	m	1.41
<b>Freeboard</b>			
freeboard forward	$F_F$	m	1.07
freeboard midship	$F_M$	m	0.95
freeboard aft	$F_A$	m	0.85
<b>Draught</b>			
canoe body draught (lightship)	$T_C$	m	0.463
minimum draught (lightship)	$T_{MIN}$	m	0.463
maximum draught (loaded)	$T_{MAX}$	m	0.463
<b>Height</b>			
headroom in saloon		m	1.87
air draught (at DWL)	$H_A$	m	3.05
bridgedeck height (vertical clearance)		m	-
<b>Displacement</b>			
volume displacement (LCC condition)	$V_D$	$m^3$	3.52
light craft condition mass (LCC)	$m_{LCC}$	kg	3150
minimum operation condition mass (MOC)	$m_{MOC}$	kg	3350
loaded craft displacement (LDC)	$m_{LDC}$	kg	4200
maximum load	$m_{MTL}$	kg	1050
immersion (at DWL)		kg/cm	148.6
<b>Engine</b>			
number of engines			2
recommended power		(HP)	2x200
<b>Performance</b>			
maximum design speed (MOC condition)		kts	30**
maximum design speed (LDC condition)		kts	26**
recommended cruising speed		kts	22...25
<b>Tankage</b>			
fuel		L	500
water		L	100
waste		L	-
gray		L	-
<b>Passengers/Crew</b>			
crew			2
passengers			4
<b>Coefficients and parameters</b>			
block coefficient	CB	-	0.415
midship section area coefficient	CM	-	0.570
waterplane area coefficient	CWP	-	0.821
prismatic coefficient	CP	-	0.728
longitudinal center of buoyancy	LCB/ $L_{WL}$	-	0.392
length to displacement ratio	$L_{WL}/V_D^{1/3}$	-	4.720
displacement to length ratio	DLR	-	273.03
static load factor	$C\Delta$	-	0.223
deadrise midships	$\beta_M$	degrees	17(19)
deadrise at transom	$\beta_{TR}$	degrees	12(13)
<b>Certification</b>			
EU RCD category			C, Inshore

\* - for one hull only \*\* - estimated speed

All measurements according to ISO8666

DWL corresponds to light craft condition (LCC)