

# Rapido 50 Power Cat

3 March 2025

## MAIN PARTICULARS

Parameter	Symbol	Value	Units
<b>Length</b>			
Maximum Length	$L_{MAX}$	15.22	m
Lenth of Hull	$L_H$	15.18	m
Length of waterline ( at DWL)	$L_{WL}$	15.12	m
<b>Beam/ Largeur</b>			
Maximum Beam	$B_{MAX}$	6.21	m
Beam of Hull	$B_H$	.96	m
Beam at waterline ( at DWL)	$B_{WL}$	0.96 (6.06)	m
Beam between centres of bouyancy	$B_{CB}$	5.94	m
<b>Depth</b>			
Maximum Depth	$D_{MAX}$	2.84	m
Midship depth	$D_{LWL/2}$	2.23	m
<b>Freeboard</b>			
Freeboard forward ( up to hawsehole)	$F_F$	1.28	m
Freeboard midship ( up to hawehole)	$F_M$	1.28	m
Freeboard aft ( up to deck level)	$F_A$	0.77	m
<b>Draught</b>			
Canoe body draught ( at DWL)	$T_C$	0.37	m
Minimum draught ( at LC)	$T_{MIN}$	0.37	m
Maximum draught ( at LDC)	$T_{MAX}$	0.97	m
<b>Height</b>			
Air draught ( excluding antenna)	$H_A$	3.38	m
<b>Displacement</b>			
Volume displacement ( at DWL)	$V_D$	6.05	$m^3$
Light craft condition mass ( LC)	$m_{LC}$	4000...4500	kg
Minimum operation condition mass ( MO)	$m_{MO}$	4500...5000	kg
Loaded craft displacement (LDC)	$m_{LDC}$	6000	kg
Maximum load	$m_L$	up to 1500	kg
<b>Engines</b>			
Number of Engines		2	
Recommended power		2 x 110	HP
<b>Performance</b>			
Recommened cruising speed		20...23	kts
<b>Tankage</b>			
Fuel		2 x 700	L
Water		200	L
Waste		2 x 50	L
<b>Passengers/ Crew</b>			
Passengers/ Crew		1 - 30	