

Performance and Fuel consumption review



Engine

Mercruiser Diesel TDI V8 4.2L Twin Turbo

Boat

Global Marine Design Air Rider 8.5M

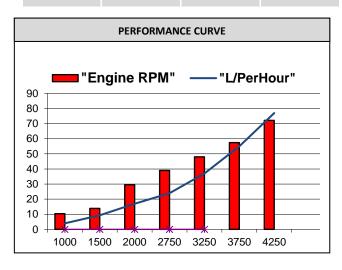
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Hitech Marine WA





PERFORMANCE SUMMARY					
Best Fuel Economy (L per KPh@RPM)			0.57@ 2000		
Top Speed (KPH@RPM)			39 @ 4250		
Acceleration 0 - plane (seconds)			5.0		
PERFORMANCE DATA					
RPM Range	Speed (KPH / kts)	Fuel (LPH)		Fuel (LPKm)	
1000	10.3 / 5.6	4		0.38	
1500	13.9 / 7.5	9.3		0.67	
2000	29.6 / 16	17		0.57	
2750	38.9 / 21	24		0.62	
3250	48 / 26	37		0.77	
3750	57.4 / 31	55		0.96	
4250	72.2 / 39	77		1.06	



TEST CONDITIONS				
Test Location	Ocean Reef WA			
Test Conductor	DH			
Air Temperature	30 °C			
Wind Velocity	29 KPH 16 kts			
Water Type	Salt / Ocean			
Fuel Level at Testing	200 Litres			
Boat Weight as Tested	3450 KG			
ENGINE SPECIFICATIONS				
Mercruiser Engine Model	4.2L TDI V8 350HP			
Mercruiser Drive Model	Bravo 3 XR			
Horsepower	350 HP			
BOAT SPECIFICATIONS				
Manufacturer	Bullet Boats			
Boat Model	Air Rider			
Boat Type	Air Rider			
Length	8.5M			
Beam	2.6M			
Dry Boat Weight	3000 KG Approx			



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