

Next Generation Multi-Purpose Flying Ship



The Aron M-Series

is the only and world's first WIG Craft capable of air and sea operations even in inclement weather conditions. Its core strengths stem from its quick deployment capability, ease of maintenance and operation, fuel efficiency, and operational utility. The Aron M-Series does not require a runway and can be airborne with only 800m of take-off distance on waters as shallow as 50cm. The benefits of this technology has been proven and widely pursued since the 1960's. However, some of the technical difficulties were not easily overcome. Aron Flying Ship Ltd., utilizing its expertise and superior R&D capabilities, has been able to engineer through the limitations, and brings forth the next generation of WIG craft; the ARON M-Series.

World's First "B-Type" WIG Craft

"B-Type" WIG Craft are not only capable of WIG (Wing-in-Ground) effect flight, but are able to fly up to 150m when needed. This unique capability allows the ARON M-Series to be used in a variety of different applications, as well as, minimize risk and avoid danger. The ARON M-Series is the first "B-Type" WIG craft in the world to be successfully commercialized.



Comfort

Being able to fly just a few meters over the surface of the water brings many advantages in comfort. With over half of the flying population suffering from some sort of ear discomfort due to pressure differences in high altitude flight, passengers in the ARON M-Series will be able to enjoy a comfortable ride without having to scrounge for ear plugs or yawn every 5 minutes. In addition, issues with turbulence are non-existent in the WIG environment. Passengers can enjoy a smooth and comfortable ride on the ARON M-Series as if they were floating on air.



Indifferent to Harsh Weather

Unlike its competitors and predecessors, the ARON M-series is indifferent to harsh weather conditions and is able to take off and land in wave conditions of over 1.8m high. This translates into seaworthiness of over 70% and boasts operation in sea state 3 conditions. What really matters is that while other WIG craft, sea planes, or small aircraft might be sitting in harbor tied to a dock, the ARON M-series will be out and about getting real important things done; getting you to your destination quickly.



Fuel Efficient

When the sound of the word "gas" strikes fear in the hearts of consumers, you know it's time for a solution. The ARON M-Series is the answer to the ever encroaching global fuel crisis. The ARON M-Series is 200% more fuel efficient than aircraft and 400% more than high speed ships. With its ability to go 800km on one tank, the ARON M-Series is the next generation of green transportation.



OPERATION STATUS

The Aron M-Series has been proven to be safe and reliable with over 400+ test flights and 1300+ hours (*12. 2011) of flight operation in cooperation with the ROK Navy, Marine Corps., Coast Guard, Korean Customs, MLTM (Ministry of Land, Transport and Maritime Affairs), and etc. With several production facilities, the Aron M-Series is ready for mass production.



High-Speed Ship



Wing-In-Ground Effect

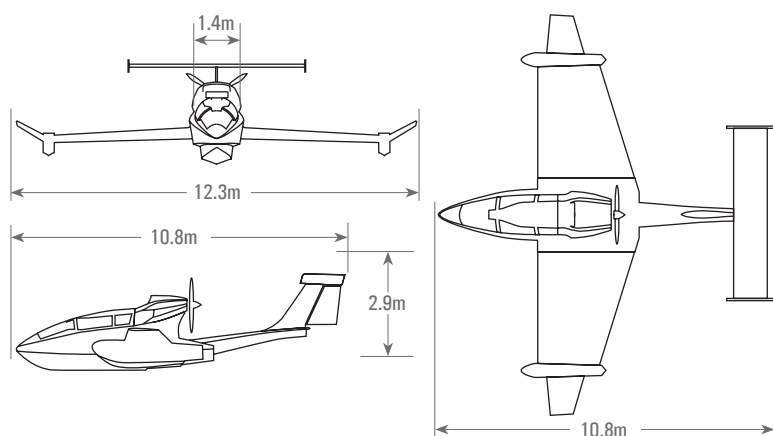


Quick Maneuverability



High Altitude Flight

DIMENSION



MODELS



M80 Series (8 PAX)



M50 Series (4 PAX)

TECHNICAL DATA

M50 Transport		M80 Transport			
▪ MTOW	1,800 Kg	▪ MTOW	4,420 Kg		
▪ Payload(including F.O)	530 Kg	▪ Payload(including F.O)	1,160 Kg		
▪ Empty Weight	1,270 Kg	▪ Empty Weight	3,260 Kg		
▪ Pilot & Copilot	1 Person	▪ Pilot & Copilot	2 Person		
▪ Crew	3 Person	▪ Crew	6 Person		
▪ Engine	Lycoming IO-540 (250 HP)	▪ Engine	PWC PT6A-34 (750 HP)		
▪ Flight Distance	800 Km (WIG EffectMode)	▪ Flight Distance	650 Km (WIG Mode)		
▪ Flight Speed	Maximun	200 km/h	▪ Flight Speed	Maximun	250 km/h
	Cruising	170 km/h		Cruising	185 km/h
▪ Ship Mode Speed	1 ~ 54 Knots (100 km/h)		▪ Ship Mode Speed	1 ~ 54 Knots (100 km/h)	
▪ Flight Altitude	150 M		▪ Flight Altitude	150 M	
▪ Significant Wave Height(Take-off/Landing)	1.2 M		▪ Significant Wave Height(Take-off/Landing)	1.8 M	

※ Specifications above are subject to change without notice.



R&D Center / Manufacturer

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