

FUSION 212



MAGNUS
AIRCRAFT

FUSION212



WHY FUSION 212?

Fusion 212 is the most stunning machine you have ever encountered. It offers a fusion of comfort, safety and reliability, designed to suit your needs for any flying activity.



TECHNICAL SPECIFICATIONS

DIMENSIONS		WEIGHT	
Wingspan:	27.3 ft	Max Take-off Weight:	1320 lb
Length:	21.7 ft	Useful load:	515 lb
Height:	8 ft		
Cabin Width:	46 inch		

PERFORMANCE		ENGINE	
Take Off:	300 - 800 ft	Rotax:	912 - 915 ULS, IS
Climb Rate:	1180 ft / min	UL Power:	260 - 350 iSA
Stall Speed with Flaps:	35 - 45 kt		
Max Cruise Speed:	116 - 122 kt		
Fuel Consumption:	4.2 - 5.4 gal / hr		
Load limit:	+6 / -3 G		
V_{ne}	151 kts		



INTERIOR

Ventilation and heating

With the modern ventilation and heating system you will have the ideal temperature in whatever season or altitude you fly. In every situation, your comfort is guaranteed.

Instrument panel

Choose from a variety of Instrument Panel options and colors that fit not only your choice of avionics but your selected design theme. Follow your personal style and choose from carbon, heavy-duty textiles, or the highest quality leather - or any combination of these - for your uniquely designed avionics board.

Baggage compartment

The luggage space of 45 lb capacity allows you to carry everything you will need on the journey, or at your destination.



Cockpit

The surprisingly wide cockpit is designed to provide the perfect blend of safety and comfort, with its materials, curves and lines all reflecting your personal style. The choice is up to you, from a variety of materials: carbon, plastic, metal, textile, or the finest selection of leather coverings.

Canopy

Enjoy gazing at the sky or the land below through the panoramic canopy, which offers the highest possible safety levels. The cast acrylic glass also conforms to the best optical standards, with UV-transmission at less than 1%.

Seats

The perfectly fitting seat shells are created to provide optimum body support, based on racing seats from our previous models. Try it yourself and experience the level of safety and comfort our well-developed seating arrangements have to offer.

FROM BASIC TO ADVANCED TRAINING

Our Fusion airplane is designed to serve you to reach your flying goals, learn the newest aviation technologies and get all your pilot licenses and ratings starting with a Sport Pilot License through Private, Instrument Commercial, CFI and CFII training.



SPIN AND UPSET RECOVERY TRAINING

With its up to +6/-3 G limit load capacity, advanced safety features, symmetrical wing profile, and side-by-side seating, Fusion aircraft is perfect for spin-, emergency situation and aerobatic training.

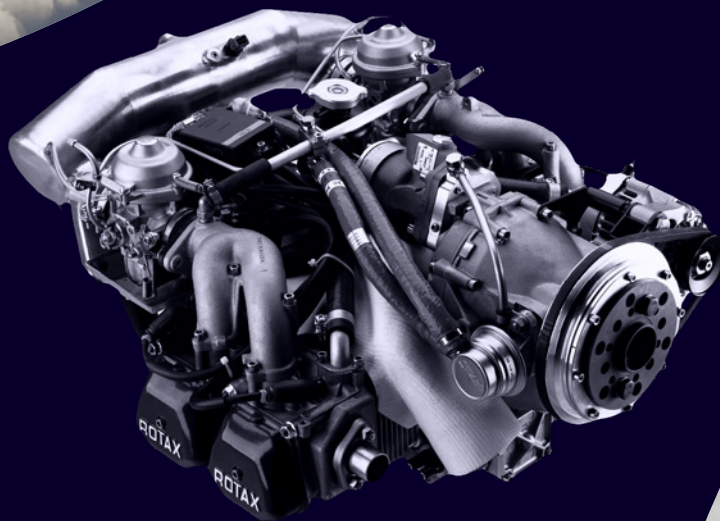






SAFETY

As a standard, all our aircraft are equipped with a ballistic recovery system to take care of your safety. The parachute pack is situated in the front of the cabin, attached to the cockpit at three points.



PROPULSION

Fusion can be equipped with the most suitable engine, based on your purpose of use. While the ULPower is well known for its dynamic performance, the Rotax 912 is widely regarded for its reliability and economic cruising capabilities.

SERVICES

Fusion is your best choice for the coming decades, offering low operation costs, and the benefits of fleet discount and leasing options. In addition, company branding can harmonize the interior and exterior to suit the design of your business.



FUSION PACKAGES

We offer three pre-set packages with the most popular features, engines and instruments. Add ons are also available to satisfy your needs.

FUSION PACKAGES	COMFORT	LIFESTYLE	EXECUTIVE
EQUIPMENTS			
Differential brakes	✓	✓	✓
Upholstered cabin	✓	✓	✓
Adjustable pedals	✓	✓	✓
Castor type nose gear	✓	✓	✓
Flybox electronic flaps controller	✓	✓	✓
Electrical trim	✓	✓	✓
12V Electric System	✓	✓	✓
Gadringer 4-point seat belts	✓	✓	✓
6" wheels	✓	✓	✓
PROPELLERS			
Duc - Inconel Flash - 3 Bladed	✓	✓	✓
ENGINES			
Rotax 912 ULS, IS2	✓	✓	✓
UL Power 260 iSA	E-LSA	E-LSA	E-LSA
Lycoming AEIO-320-E1B (150 hp)	E-LSA	E-LSA	E-LSA
ACCESSORIES			
BRS MTOW 1320 lb	✓	✓	✓
Leather Seat Covers	✓	✓	✓
Leather Cabin Upholstery	✓	✓	✓
Dual control system	✓	✓	✓
Aircraft cover (tour)	✓	✓	✓



FUSION PACKAGES	COMFORT	LIFESTYLE	EXECUTIVE
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AVIONICS AND ELECTRONICS			
Dynon Skyview System 10"	✓	✓	
Dynon Skyview System 10" HDX			✓
Dynon VHF Com Radio	✓	✓	✓
GARMIN VHF Com Radio			✓
Heated Pitot system / AOA		✓	✓
AVEO PowerBurst Led wingtip lights (NAV/Strobe/Pos)	✓	✓	
1/4" instruments: airspeed, compass	✓	✓	✓
1/4" instrument vertical speed, altimeter			✓
Autopilot			✓
NVFR Set	✓	✓	✓
ADS-B in and out	✓	✓	✓
Transponder S mode	✓	✓	✓
EXTERIOR DECORATIONS			
Basic design	✓	✓	✓
Custom design	TBD	TBD	TBD

ADD-ONS

Are you looking for a custom-made Fusion? We will make one for you. Based on your needs we will put together a special Fusion 212 just for you. This allows you to pick interior and exterior colors, decorations, instruments and all the extras which will make your flights much more enjoyable.

IFR PACKAGE



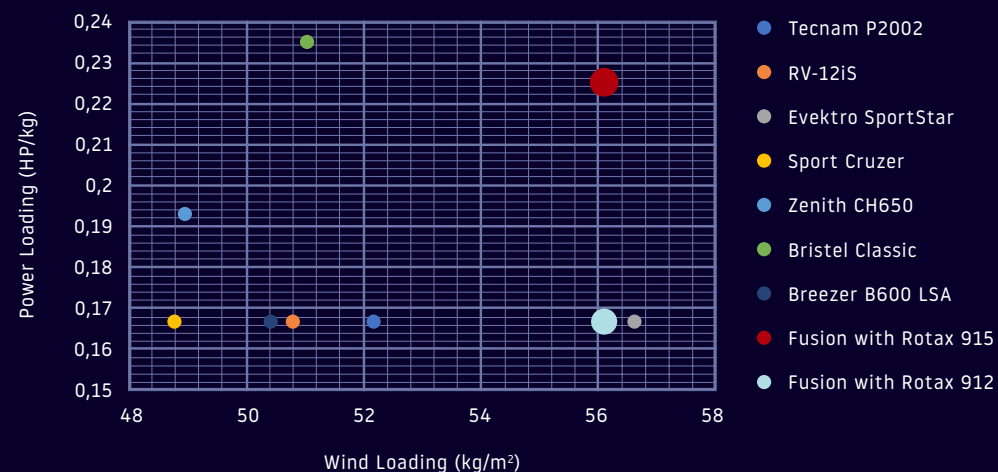
CUSTOM MADE INTERIOR AND EXTERIOR



Thanks to the optional Rotax 915 iS engine, in contrast to most of the competitor aircraft, the increased thrust loading results in a higher achievable acceleration, rate of climb and maximum cruising speed.

Due to the higher surface loading, the Fusion is less gust sensitive than other aircraft in its category.

COMPARISON CHART



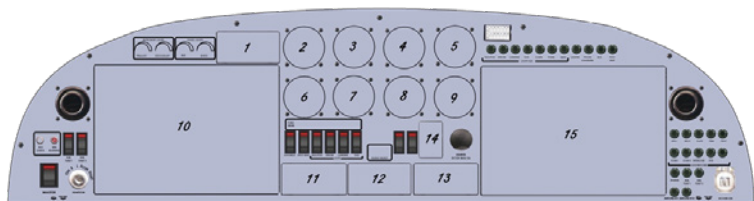
The above table is based on the technical data available on the manufacturers' websites.



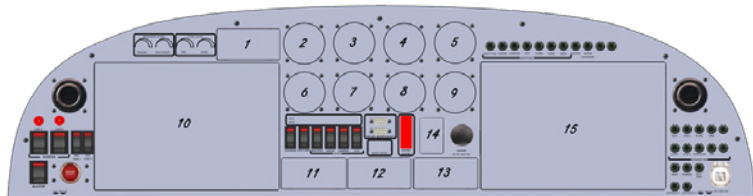
OPTIONS FOR INSTRUMENT PANEL

You can choose from the wide variety of aviation combinations, which allow you to design your instrument panel to perfectly suit your needs.

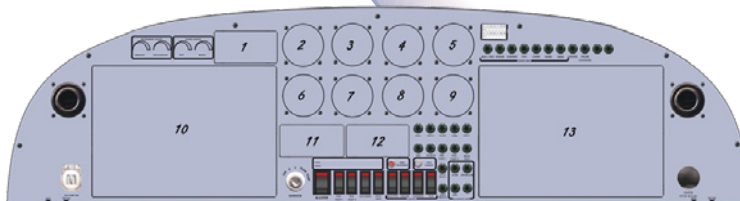
DYNON



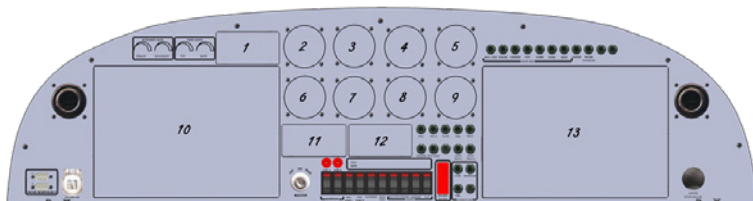
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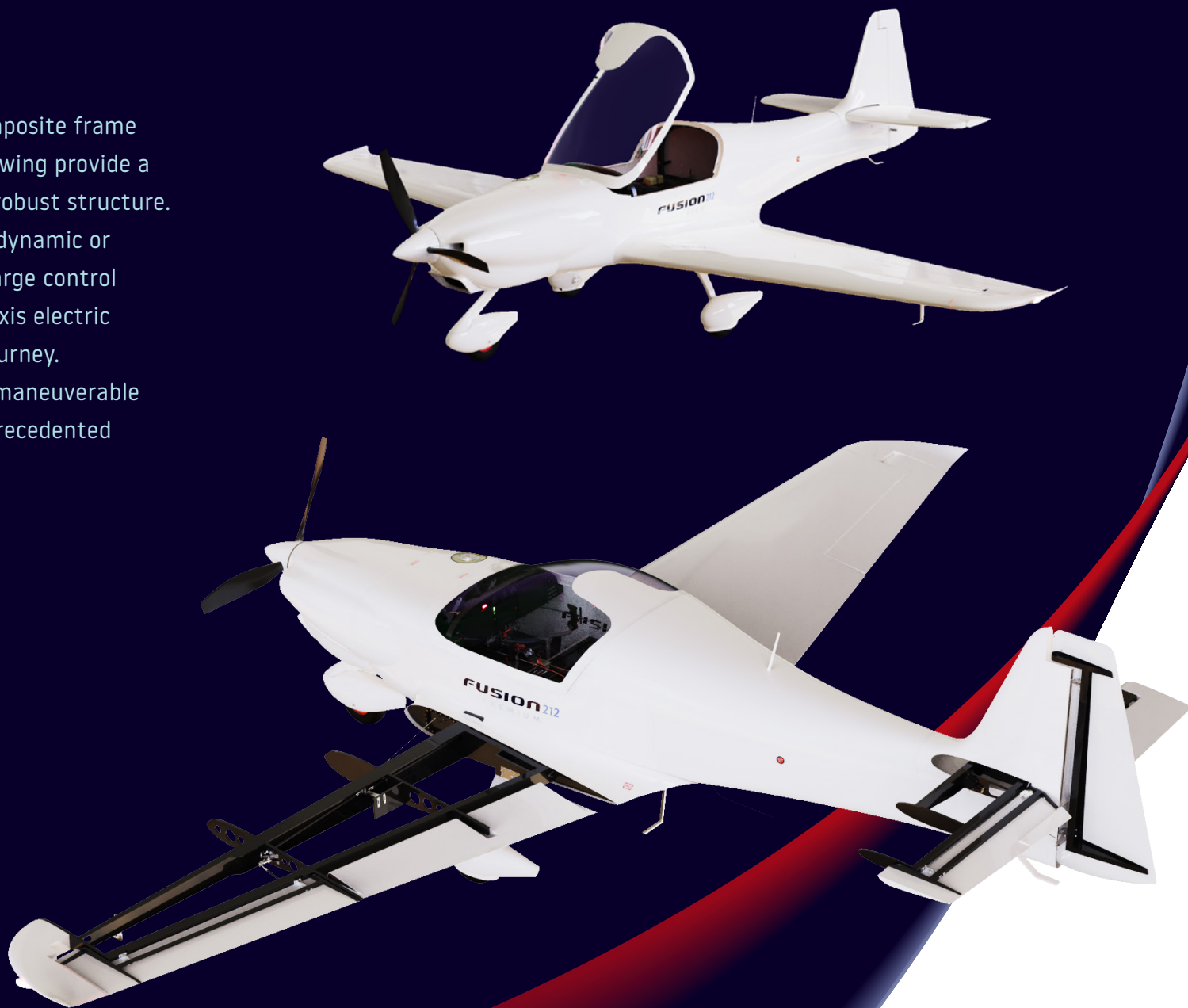


DYNON HDX



STRUCTURAL OVERVIEW

The fully carbon composite frame and the single piece wing provide a light but extremely robust structure. Whether you prefer dynamic or cruising flight, the large control surfaces and the 3-axis electric trim support your journey. The Fusion is easily maneuverable in the air giving unprecedented flying experiences.



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