

# **LH 212** DELTA



## *Two-Seater Ultralight Helicopter*



**ULTRA** LIGHT HELICOPTER. **SUPER** ADVANCED SOLUTIONS.  
NO HALF-MEASURES. **THINK EXTRA.**

Reservations now being taken for 2016.

A forward-looking company believes in the knowledge of yesteryear.  
An outstanding craft-built helicopter, combining the finest in engineering  
with true workmanship. It not only flies, it has perfect aerodynamics.  
Not only well made, but smooth and comfortable to fly in.  
Not only personalized, but custom-made for you.  
Half-measures are for people who settle for second best.  
The other ones choose LH212.

Integrated Cooling Group - Mast Damping System - Titanium Frame.



**The LH212 Delta** is a robust yet manoeuvrable two-seater Ultralight Helicopter. With a ROTAX 914 engine and 4-cylinder turbo, the LH212 Delta is suitable for various tasks at low operating cost. Its titanium alloy frame makes it sturdy and yet light enough to reduce weight. Painstaking attention to its aerodynamics and mechanics provide low fuel consumption, high performance and top comfort.



## ENGINE

ROTAX 914, 4-cylinder turbo 115hp 340Nm, made from all original components, TBO 2000hrs. The Intercooler delivers stable power even at the hottest air temperatures. No need to supply hot air to the carburettor even in the coldest climates.

## GOVERNOR

A control system mechanically adjusts the throttle setting, maintaining the rotor RPM in the green arc. This system, known as the Governor, ensures that the pilot has command priority under any flight conditions.

## ELECTRIC TRIM

Two electric trims are driven by a command on the central cyclic stick. This makes long distance flights even more comfortable.

## LUGGAGE COMPARTMENT

A small amount of luggage can be placed in the luggage compartment under the seats.



## MAINTENANCE

The LH212 Delta was designed to make all maintenance operations easier. All components can be controlled easily during pre-flight checks. During maintenance inspections several items can be controlled quickly and easily, from the oil motor level to more important and critical points such as the main gearbox transmission. This makes maintenance interventions extremely precise. Inspections must be carried out every 100 hours, TBO after 2000 hours.

## CLUTCH

In order to ensure safe starts and prevent mechanical stress to the transmission, the LH212 has a fully automatic and user-friendly constant tension device, generally known as the Clutch.



## CENTRAL CYCLIC

The cyclic stick is located in a central cabin position. This makes piloting the helicopter simple and light and makes cabin access easy and ergonomic.

# TECHNICAL SPECIFICATIONS

<b>EXTERNAL DIMENSIONS</b>	Overall Height	2.35 m (7.7 ft) to fin tip
	Fuselage Length	6.185 m (20 ft) tail rotor turning
	Skid Track	1.57 m (5.15 ft)
	Rotor Diameter	6.75 m (22.14 ft)
<b>AREAS</b>	Rotor Disc	35.76 m <sup>2</sup> (384.9 sq ft) main
<b>WEIGHTS AND LOADINGS</b>	Empty Weight	278 kg (612 lb)
	Max T-O Weight	450 kg (992 lb)
	Max Fuel Weight	47 kg (103 lb)
<b>PERFORMANCE</b>	Climb Rate	8.5 m/sec
	Rate of Climb	510 m/min (1,476 ft/min) max, at S.L.
<b>ALTITUDE</b>	Service Ceiling	4,000 m (13,123 ft)
	Hovering Ceiling	3,000 m (9,842 ft) IGE 2,500 m (8,200 ft) OGE
<b>SPEED</b>	Never-Exceed Speed	113 kt (210 km/h; 130 mph)
	Cruising Speed	89 kt (165 km/h; 102 mph) max
<b>RANGE</b>		267 n miles (495 km; 307.5 miles)
<b>ENDURANCE</b>		3 hr







# LH 212<sub>DELTA</sub> S-PLUS

The **LH212 S-Plus** was conceived and designed to be an optimum compromise between equipment and performance. Unlike the Standard version, the S-Plus includes an Intercooler as standard, providing performance that only LH can guarantee. Excellent for Flight Schools, as a working helicopter and for load-lifting operations.

## STANDARD EQUIPMENT

Altimeter | Variometer | Anemometer | Voltmeter | Compass | Active Governor  
MDS Mast Damping System | Integrated Cooling Group | Multi Engine Control - Mini EIS

## INDICATORS

Engine/Rotor RPM | MAP | Main Transmission Oil Temperature | Frame Pressure  
Fuel | Fuel Pressure

## WARNING LIGHTS

Low Fuel | Main Chip Detector | Tail Chip Detector | Fuel Pump 1 | Fuel Pump 2  
12V Generator | Governor | Clutch | Rotax Diagnostic TCU | Boost

## S-PLUS EQUIPMENT INCLUDED

High Performance Intercooler | Longitudinal Trim | Lateral Trim | Dual Visual-Trim Indicator  
Moisture and Rain Protective Finishing | Snap Vents | Ergonomic Seats | Panels and Pockets  
Door Key-Lock | Doors Inner Latch | Clear Windshield and Windows | Tail Strobe Light  
Landing Light

## FINISHINGS

Exteriors in LCA White 02 \* | Opaque Black Landing Gear | White and Yellow Rotor Blades  
Interiors in Carbon Tech Natural

## ON GROUND

Maneuver Twin Wheels | Fuel Filter Funnel

\* Available in many different colours from the LCA range.





# LH 212<sub>DELTA</sub> CLASSIC

**LH212 Classic** was created for a more selective and detail-oriented client. Alongside the standard equipment, it has a series of Advanced options, and careful and customizable finishings complete the cockpit interiors and exteriors. Excellent for Personal Use.

## STANDARD EQUIPMENT

Altimeter | Variometer | Anemometer | Voltmeter | Active Governor | MDS Mast Damping System | Integrated Cooling Group | Multi Engine Control - Mini EIS

## INDICATORS

Engine/Rotor RPM | MAP | Main Transmission Oil Temperature  
Frame Pressure | Fuel | Fuel Pressure

## WARNING LIGHTS

Low Fuel | Main Chip Detector | Tail Chip Detector | Fuel Pump 1 | Fuel Pump 2  
Generator 12V | Governor | Clutch | Rotax Diagnostic TCU | Boost

## CLASSIC EQUIPMENT INCLUDED

High Performance Intercooler | Moisture and Rain Protective Finishing | Cyclic Grand Comfort  
Longitudinal Trim | Lateral Trim | Dual Visual-Trim Indicator | Electrical Turn Coordinator  
Vertical Compass | Aeronautical Radio | Ergonomic Eco-leather Seats | Panels and Pockets\*  
Door Key-Lock | Doors Inner Latch | Blue-tinted Windshield and Windows | Sliding Windows  
Tail Strobe Light | Navigation Lights | Landing Light | Lighter Socket

## FINISHINGS

Exterior White and Blue LCA Livery\* | White Landing Gear\* | Three Colors Blades  
Interiors in Satinized Grey\*

## ON GROUND

Maneuver Twin Wheels | Fuel Filter Funnel

\* External paintwork and interior finishes available in many different colours from the LCA range.





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