

## DYNALI SPORT DIVISION

### DYNALI H3 SPORT BB – 135HP

All our standard sport helicopters include:

#### ***Airframe & Rotor transmission***

- Steel airframe welded under pressure with check valve and dash warning
- Carbon shell with perspex screen and side panels
- Aluminium blades
- Shock absorbing carbon undercarriage with wheels for ground handling
- Stainless steel exhaust
- High performance gearboxes
- Over-dimensioned main & tail rotor transmission
- Temperature monitoring control on the transmission bearings
- Carbon tail stabilizer
- Dynali Motors engine with injection system & big bore cylinders 1600cc
- Dynali ECU injection system control
- Integrated governor (automatic RPM control)
- SMART Automatic clutch
- Dual fuel pumps
- Throttle with electronic butterfly control
- Electronic idle control
- RPM limiter
- Simplified engine management
- Optimised power curve
- Adapted and balanced crankshaft
- Double cooled two stage oil radiator
- Cylinder head air cooling system

#### ***Avionics***

- Fully redundant sensors and batteries
- Second generator 500W & 2<sup>nd</sup> battery (+regulator as backup and for accessories)
- EFIS DISCOVERY 7" with customized and configurable display and audio warning
- Integrated GPS
- Double electrical circuit 250W and 500W
- PDM (Power Distribution Module)
- Fail safe system
- High quality SLM LED alerts and warning lights
- Alarm and warning lights

#### ***Cabin***

- 2 ergonomic seats with luggage compartment
- 2 circular ventilation opening
- Dual collective and cyclic controls with ergonomic hand grips
- 4-point safety belts
- Ergonomic instrument panel with glass cockpit
- All round visibility

***Delivered ex-works, fully assembled, fully tested on the bench (5 hours), on the ground and in flight (5 hours). All helicopters are delivered with double controls (left and right seat)***

***Factory delivery time : 6 months***



## Standard model H3-135/500 Sport BB:

### H3 SPORT BB OPTIONS

<b>Avionics (Radio / Transponder)</b>			
TRIG TY91 VHF RADIO 8.33/25 KHZ	+ 1,2kg		
INTERCOM PLUGS: LEMO DUAL			
PTT ON BOTH SIDES: YES NO			
Installation radio / wiring if option is ordered upon order	+ 0,3kg		
Installation radio / wiring if option is chosen upon order	+ 0.3kg		
VHF Antenna	+ 0kg		
TRIG TT21 MODE S Transponder	+ 1kg		
Installation / wiring if option is ordered upon order	+ 0kg		
Installation / wiring if option is ordered after helicopter is finished	+ 0kg		
Antenna transponder	+ 0,3kg		
<b>Sport Comfort options</b>			
Leather seats sport	+ 0.5kg		
Cabin heating	+ 1kg		
USB double connectors	+ 0kg		
Wiring battery chargers + 2 chargers 2Ah	+ 0kg		
Electrical trim (2 axis)	+ 1kg		
Sliding windows vents (2x)	+ 0.3kg		
Electrical fuel filling pump	+ 1kg		
Big fuel tank (80 liters)	+ 3kg		
<b>Sport Safety options</b>			
Anti-collision + navigation lights	+ 0,3kg		
Installation wiring	+ 0kg		
Rear strobe light	+ 0,1kg		
Landing light led 2,5W x 2	+ 0,3kg		
Emergency floats	+ 10.3kg		
Safety Parachute	+ 17kg		
<b>Instruction / School / Sight Seeing options</b>			

Wheel attachment system for inflight transport	+0,15kg		
Removable collective handle at passenger side	+0kg		
Protection cover for removed foot pedals at passenger side	+0kg		
Mounting sleeve radio and transponder left side of the pilot	+0.15kg		
<i>Installation of a radio or transponder in the instrument panel after assembly and flight tests of the helicopter involves complete dis-assembly of the instrument panel. It is therefore considerably less expensive to decide on your options at the time of order of the helicopter.</i>			
<b>Sport finishing look - Painting &amp; Colours</b>  All our standard helicopters are painted in standard RAL colour grey Dynali can finish your H3 Sport in any other standard RAL colour, Metallic paint, Pearly colour, three or four layer colour.			
Standard RAL colour – One layer – (red/blue/white/grey/green/yellow/black)		Included in basic price	
Metallic paint (Silver grey) – any other colour on request	+ 1.5kg		
Pearly colour (Any RAL colour)	+ 1.5kg	On request	
3 – layer / 4 – layer colour	+ 3.0kg	On request	
2 colour cabin	+ 3.2kg	On request	
Basic lettering (Vinyl) : Type – Model / Immatriculation	+ 0 kg		

## Avionics configuration

**UNITS FOR ALTIMETER : FEET / METERS → Configurable by the Dynali EFIS dashboard computer**

**UNITS FOR AIRSPEED INDICATOR : KTS / KM/H → Configurable by Dynali EFIS dashboard computer**

**DUAL CONTROLS INSTALLED : YES**

**COMPASS :  NORTHERN HEMISPHERE  SOUTHERN HEMISPHERE or Configurable by Dynali EFIS**

The H3 Sport is a Belgian UL helicopter, fully assembled, ground & flight tested with the highest care.  
As a customer you can choose all the options offered.

## **DYNALI H3 OPEN AIR – 135HP**

Standard price includes :

### ***Airframe & Rotor transmission***

- Steel airframe welded under pressure with check valve and dash warning
- Carbon front shell with perspex screen, sides open
- Aluminium blades
- Shock absorbing carbon undercarriage with wheels for ground handling
- Stainless steel exhaust
- High performance gearboxes
- Over-dimensioned main & tail rotor transmission
- Temperature monitoring control on the transmission bearings
- Carbon tail stabilizer

### ***Engine***

- Dynali Motors engine with injection system & big bore cylinders 1600cc
- Dynali - ECU injection system control
- Integrated governor (automatic RPM control)
- SMART Automatic clutch
- Dual fuel pumps
- Throttle with electronic butterfly control
- Electronic idle control
- RPM limiter
- Simplified engine management
- Optimised power curve
- Adapted and balanced crankshaft
- Double cooled two stage oil radiator
- Cylinder head air cooling system

### ***Avionics***

- Fully redundant sensors and batteries
- Second generator 500W & 2<sup>nd</sup> battery (+regulator as backup and for accessories)
- EFIS DISCOVERY 7" with customized and configurable display and audio warning
- Integrated GPS
- Double electrical circuit 250W and 500W
- PDM (Power Distribution Module)
- Fail safe system
- High quality SLM LED alerts and warning lights
- Alarm and warning lights

### ***Cabin***

- 2 carbon seats
- Dual collective and cyclic controls with ergonomic hand grips
- 4-point safety belts
- Ergonomic instrument panel with glass cockpit
- All round open visibility

***Excluding options - Delivered fully assembled, tested in flight and ex-works***

***Delivered fully assembled, 5 hours tested in flight, 5 hours on test bench and ex-works***

***All helicopters are delivered with double controls (left and right seat)***

***Factory delivery time : 6 months***



## H3 Open Air :

### H3 Open Air OPTIONS

<b>Avionics (Radio / Transponder)</b>			
TRIG TY91 VHF RADIO 8.33/25 KHZ	+ 1,2kg		
INTERCOM PLUGS: LEMO DUAL			
PTT ON BOTH SIDES: YES NO			
Installation radio / wiring if option is ordered upon order	+ 0,3kg		
Installation radio / wiring if option is ordered after helicopter is finished	+ 0.3kg		
VHF Antenna	+ 0kg		
TRIG TT21 MODE S Transponder	+ 1kg		
Installation / wiring if option is ordered upon order	+ 0kg		
Installation / wiring if option is ordered after helicopter is finished	+ 0kg		
Antenna transponder	+ 0,3kg		
<b>Open Air Comfort options</b>			
Pair of Suitcases (left and right) aluminium heavy duty	+ 10kg		
USB double connectors	+ 0kg		
Wiring battery chargers + 2 chargers 2Ah	+ 0kg		
Electrical fuel filling pump	+ 1kg		
Anti-collision + navigation lights	+ 0,3kg		
Installation wiring	+ 0kg		
Emergency floats	+ 10.3kg		
Safety Parachute	+ 17kg		
Rear strobe light	+ 0,1kg		
Landing light led 2,5W x 2	+ 0,3kg		

Basic lettering (Vinyl)	+0kg		
<b>Instruction / School / Sight Seeing options</b>			
Wheel attachment system for inflight transport	+0,15kg		

Removable collective handle at passenger side	+0kg		
Protection cover for removed foot pedals at passenger side	+0kg		
<b>Sport finishing look - Painting &amp; Colours</b>			
All our standard helicopters are painted in standard RAL colour grey Dynali can finish your H3 Open Air in any other standard RAL colour, Metallic paint, Pearly colour, three or four layer colour.			
Standard RAL colour - One layer – (red/blue/white/grey/green/yellow/black)		Included in basic price	
Metallic paint (Silver Grey) any other colour on request	+ 1.5kg		
Pearly colour (Any RAL colour)	+ 1.5kg	On request	
3 – layer / 4 – layer colour	+ 3.0kg	On request	
2 colour cabin	+ 3.2kg	On request	

If you want your own custom-build helicopter, based on our H3 technology, please contact our commercial service :

Christian Verbrugghe [christian@dynali-kenya.com](mailto:christian@dynali-kenya.com)

+32 473709324

**NOTE**

***For any other equipment and/or non-standard installation requested from Dynali, labour is charged € 90 / hour excl. VAT***