

Air Alliance Flight Center GmbH
 Flughafen Siegerland · Werfthalle G1 · D-56479 Liebenscheid

Attachment I to the Contract of Education

HPA High Performance Aircraft
EASA PART-FCL.720.A b)

Valid from 01.01.2021

Pilotenausbildungszentrum
 DE.ATO.019
 Privatpiloten PPL
 Fluglehrer FI
 Berufspiloten CPL
 Instrumentenflug IR
 Verkehrsflugzeugführer ATPL

Flugzeugcharter

Checkflüge
 Type Ratings
 Class-Ratings MEP

Luftfahrtunternehmen
 Rundflüge

AOC D-165EG

Registration & Theoretical Course Fees:

	<u>Netto</u>	<u>Brutto</u>
❖ Student registration Fees	150 €	179 €
❖ Including CAT – distance learning course & 1-day theoretical class with FI(A) after the completion	1.350 €	1.607 €
❖ Monthly Eco-Student's fee	45 €	54 €
❖ Theoretical and flight training in German & English language		

Theoretical Subjects for HPA:

021 Airframe & Systems	033 Flight Planning	040 Human Performance
050 Meteorology	040 Human Performance	081 Principles of Flight

Learning Objectives:

- ❖ **Airframes & Systems**
 - AC Current, Generator, Distribution of AC Current
 - Pressure Cabin (Piston Engines, Turbine & Turbo Props)
 - Engine Performance (Piston & Turbine)
 - Fuel, Mixture Control Turbo Charger & Compressors
 - Oxygen Systems
- ❖ **Flight Performance - Multi Engine (non EASA C25 / JAR/FAR25 Aircraft)**
- ❖ **Human Performance & Limitations**
 - Basic human physiology
 - Effects of High Altitude Flights
- ❖ **Meteorology – Wind and Weather Phenomena**
 - Jet Streams
 - CAT (Clear Air Turbulence)
 - Lee Waves
 - Hazards Weather
- ❖ **Basic Radar Technology**
 - Ground Radar, Secondary Radar System
- ❖ **Aerodynamic - Aircraft**
 - Transsonic Aerodynamic
 - Mach Nr./Shock Waves
 - Flutter, Aerodynamic Limitations

Practical Flight Training:

❖ N/A		
❖ Approximate Price HPA – Complete:	1.545 €	1.840 €

Payment Conditions:

- ❖ At Closure of Contract, Registration Fee, Theoretical Fee & Eco Fee.

Scope of HPA training is to gain sufficient understanding of high-performance aircraft that can fly at high speeds and at high altitudes, as well as the aircraft systems that are necessary for such operation. Successful completion of the HPA Course is a prerequisite for class and type rating for aircraft that are considered high-performance aircraft.



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