COMING SOON

Diamond DA20-C1 Eclipse

Detmold, Germany



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LOT	AUCTION	BRAND	CATEGORY
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DESCRIPTION

The Diamond DA20-C1 Eclipse is a modern two-seat light aircraft known for its sleek composite airframe, excellent visibility, responsive handling, and strong reputation in flight training. It is a clean-sheet general aviation design that feels sporty, efficient, and confidence-inspiring from the first takeoff roll .

Unlike many traditional metal trainers, the Diamond DA20-C1 Eclipse brings a more contemporary flying experience to the entry-level aircraft market. Its low-wing layout, bubble canopy, center-stick control, and fuel-injected Continental engine make it especially attractive for pilots who want a trainer that still feels engaging after the license is earned.

For buyers searching for a two-seat trainer aircraft , light sport-style general aviation aircraft , composite aircraft , low-wing piston aircraft , private pilot training aircraft , or Diamond DA20-C1 Eclipse for sale , this model offers a highly respected balance of simplicity, efficiency, and modern design.

Quick Facts

Details

Aircraft type

Two-seat single-engine piston aircraft

Manufacturer

Diamond Aircraft

Engine

Continental IO-240-B32B

Power

125 hp

Maximum cruise speed

130 KTAS

Maximum range

Approx. 532 nm

Core appeal

Training, private flying, efficiency, visibility, modern handling

Key Takeaway: The Diamond DA20-C1 Eclipse is not just a training aircraft — it is a light, efficient, pilot-centered airplane that makes basic flying feel precise, modern, and enjoyable . For flight schools, private owners, and new pilots, it remains one of the most appealing two-seat piston aircraft in its category.

Powerplant, Systems & Technical Highlights

The Diamond DA20-C1 Eclipse is powered by a Continental IO-240-B32B fuel-injected piston engine producing 125 hp . Paired with a Sensenich two-blade fixed-pitch propeller , this setup gives the aircraft reliable performance, straightforward operation, and the kind of predictable engine behavior that flight schools and private pilots value.

Technically, the Diamond DA20-C1 Eclipse is built around efficiency and training quality. Its composite airframe, low-wing aerodynamics, fixed tricycle landing gear, and center-stick control create a crisp, honest flying experience that rewards good technique without overwhelming the pilot .

Technical highlights include:

- Powerplant: Continental IO-240-B32B
- Power output: 125 hp
- Propeller: Sensenich 2-blade fixed-pitch propeller
- Airframe: Composite low-wing design
- Landing gear: Fixed tricycle landing gear
- Maximum cruise speed: 130 KTAS
- Maximum range: Approx. 532 nm

What makes the Diamond DA20-C1 Eclipse technically attractive? It offers low operating complexity , good climb performance , excellent visibility , and modern composite construction in a proven trainer and private-owner platform.

Buyer Perspective

Strengths

Considerations

Flight training

Excellent visibility, predictable handling, efficient operation

Two-seat layout limits multi-passenger use

Private ownership

Modern design with low operating complexity

Best suited to local and regional flying

Engine support

Continental fuel-injected piston engine with familiar support network

Maintenance records and engine history should be reviewed carefully

Handling

Responsive center-stick control and low-wing feel

Pilots transitioning from yoke aircraft may need familiarization

Operating economics

Efficient fuel burn and simple fixed-gear layout

Payload planning matters with two adults and fuel

For pilots asking, “Is the Diamond DA20-C1 Eclipse a good training aircraft?” the answer is yes. It is widely appreciated because it teaches precise aircraft control while remaining forgiving, efficient, and approachable.

Exterior & Cockpit

The Diamond DA20-C1 Eclipse has a sleek, modern exterior that immediately separates it from older traditional trainers. Its low-wing stance, smooth composite surfaces, T-tail, and expansive canopy give it a clean, aerodynamic personality that feels more like a small sport aircraft than a basic school airplane .

One of the strongest visual and practical advantages of the Diamond DA20-C1 Eclipse is its canopy. The cockpit provides panoramic visibility, helping pilots build confidence during traffic scanning, pattern work, navigation, and sightseeing flights.

Exterior highlights include:

- Composite airframe construction with smooth aerodynamic lines
- Low-wing configuration for sporty handling and ramp appeal
- T-tail design contributing to its distinctive Diamond profile
- Fixed tricycle landing gear for straightforward ground handling
- Bubble-style canopy with excellent outward visibility
- Compact wingspan: 35 ft 9 in
- Overall length: 23 ft 9 in
- Overall height: 7 ft 1 in
- Modern ramp presence ideal for flight schools and private owners

Inside, the Diamond DA20-C1 Eclipse is designed around the pilot. The cockpit is compact, logical, and highly visual, with a seating position and canopy shape that make the aircraft feel open and connected to the sky.

Cockpit and cabin highlights include:

- Two-seat side-by-side cockpit
- Center-stick flight controls
- Panoramic canopy visibility
- Ergonomic pilot-centered layout
- Modern avionics potential , including Garmin glass-panel configurations on many current or upgraded examples
- Simple systems layout suitable for training and private flying
- Comfortable environment for local flights, training missions, and short cross-country trips
- Strong situational awareness thanks to the wide canopy and low-wing layout

The cockpit of the Diamond DA20-C1 Eclipse feels bright, modern, and confidence-building . For new pilots, it supports learning; for private owners, it keeps everyday flying simple and enjoyable.

The Perfect Airplane For

The Diamond DA20-C1 Eclipse is perfect for buyers who want a modern two-seat piston aircraft that is efficient, enjoyable, and highly suitable for training. It is especially attractive to flight schools, private pilots, aircraft clubs, and owners looking for a simple aircraft with a contemporary feel.

Who is the Diamond DA20-C1 Eclipse best suited for? It is best suited for a buyer who wants low operating complexity , excellent visibility , modern composite construction , and engaging handling in a proven two-seat aircraft.

The Diamond DA20-C1 Eclipse is ideal for:

- Flight schools needing a reliable primary trainer
- Student pilots learning core stick-and-rudder skills
- Private pilots wanting an efficient personal aircraft
- Aircraft clubs seeking a modern two-seat training platform
- Owners upgrading from older trainer aircraft

- Pilots who value visibility, simplicity, and precise handling
- Buyers seeking a composite general aviation aircraft
- Aviation enthusiasts who want a light aircraft that feels modern and fun

The Diamond DA20-C1 Eclipse is not ideal for buyers who need four seats, heavy baggage capacity, or long-range family touring. Its strength is efficient two-seat flying, training quality, and modern simplicity .

Buyer Type

Fit Level

Why It Works

Flight school

Excellent

Efficient, durable, visibility-focused trainer

Student pilot

Excellent

Forgiving aircraft with precise handling feedback

Private owner-pilot

Strong

Low-complexity aircraft for local and regional flying

Aircraft club

Strong

Useful for training, rentals, and economical flying

Cross-country family buyer

Low

Two-seat aircraft with limited baggage flexibility

Speed-focused buyer

Moderate

Sporty feel, but not designed as a high-speed cruiser

Modern aircraft enthusiast

Excellent

Composite construction and sleek Diamond design

Potential buyer profile:

- You want a two-seat training aircraft
- You value composite aircraft construction
- You prefer modern low-wing handling
- You need simple fixed-gear operation
- You appreciate excellent cockpit visibility

- You care about engine time, propeller condition, avionics fit, airframe records, and training history
- You want an aircraft that feels clean, efficient, responsive, and easy to trust

In short, the Diamond DA20-C1 Eclipse is the perfect airplane for a buyer who wants practical flying with a modern edge. It is efficient enough for training, enjoyable enough for private ownership, and distinctive enough to stand out among traditional two-seat general aviation aircraft .

SPECIFICATIONS

General Information

Gross Weight	**800 kg (1,764 lb)**

Engine & Power Systems

Engine	**1 × Continental IO-240-B3B**
Engine Type	**four cylinder horizontally opposed piston aircraft engine**
Horsepower	**93 kW (125 hp)**
Propeller Type	**2-bladed Sensenich Propeller fixed pitch**

Avionics & Equipment

Avionics	**Garmin GNC 420W GPS/COM, Garmin GTX 327 transponder with blind altitude encoder, PS Engineering PM 1000 Intercom**

Airframe & Exterior

Length	**.16 m (23 ft 6 in)**
Wingspan	**10.87 m (35 ft 8 in)**
Height	**.18 m (7 ft 2 in)**

Performance & Specifications

Cruise Speed	**256 km/h (159 mph, 138 kn)**
Range	**1,013 km (629 mi, 547 nmi)**
Passengers	**2 (incl. Crew)**
Fuel Capacity	**24 .S. gallons (91 L; 20 imp gal)**

PHOTOGRAPHS

7 of 8 photographs reproduced here. The complete gallery is on the listing page.

EXTERIOR




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INTERIOR


Engine Information System
GPS / AVIONICS IFR only
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