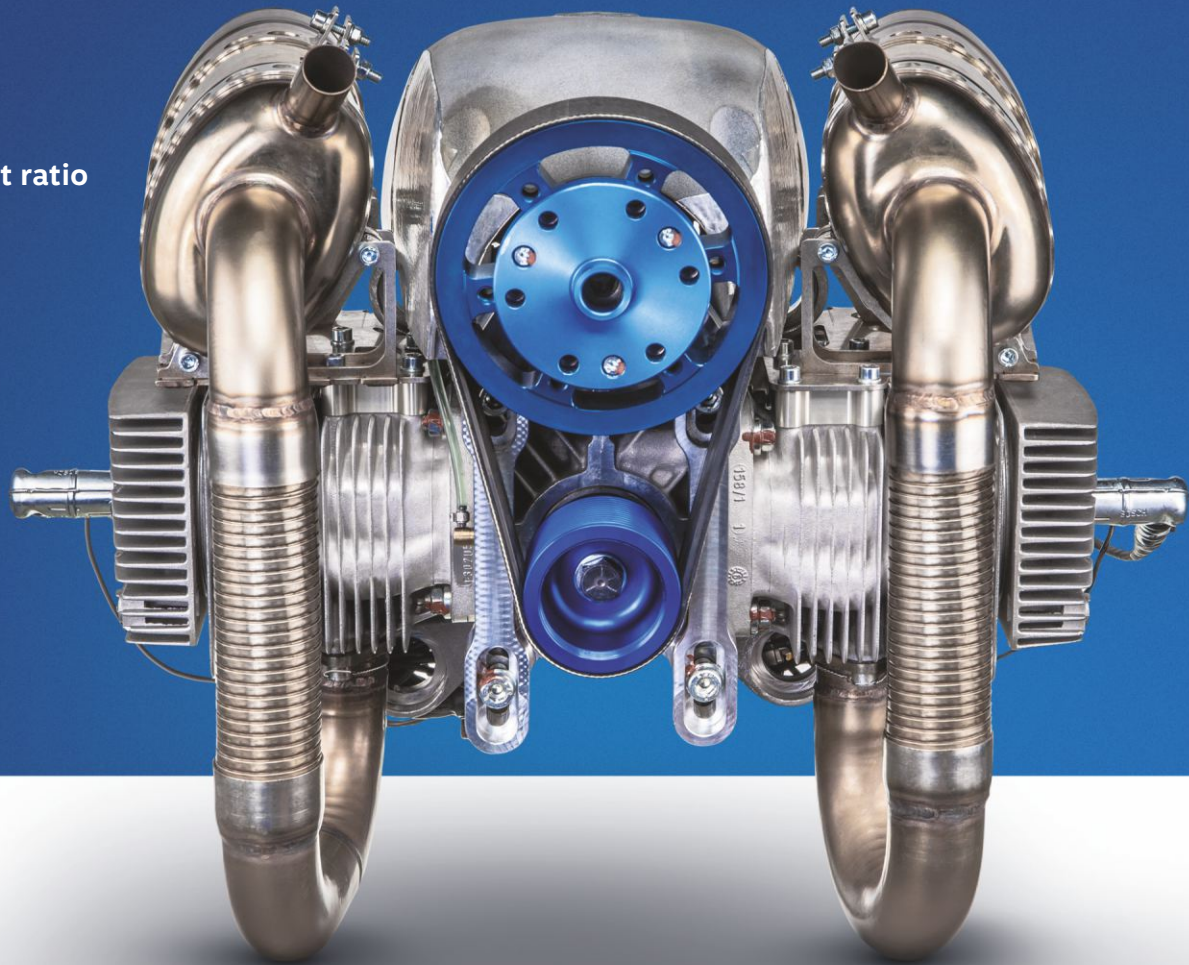


F23 LIGHTWEIGHT

23 Series

- 50 HP
- Air Cooled
- 2-Stroke
- World standard power-to-weight ratio
- Fit to take on any challenge in light aviation



DESCRIPTION

Ideally suited for light and ultralight aviation.

The 23 Series is an air cooled two-stroke engine that makes an excellent choice for light aviation devices weighing up to 120kg.

Sets world-class standards in its power-to-weight ratio for the 50-horsepower market achieving performance and reliability unmatched in the industry.

Engineered to offer a time between overhauls of 1000 hours, the 23 Series is fit to take on any challenge in light aviation.



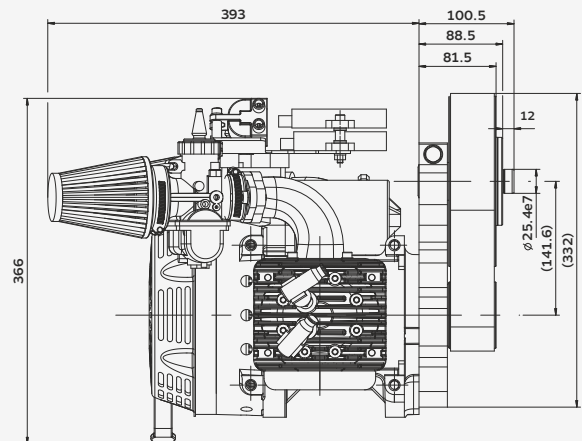
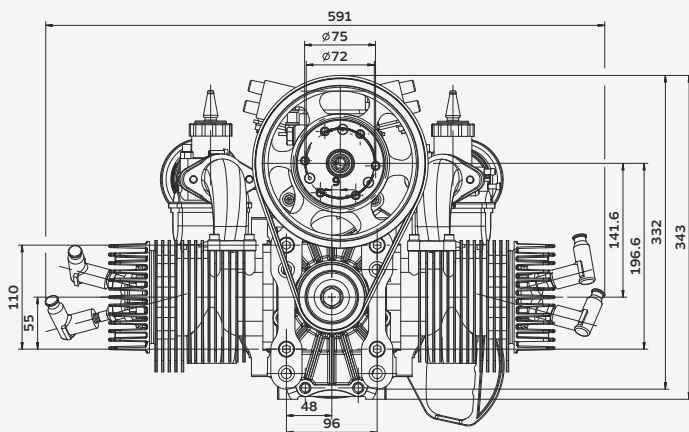
F23 LIGHTWEIGHT

23 Series



TECHNICAL SPECIFICATION:

TYPE:	Two cylinder two stroke (boxer)	WEIGHT:	22 kg (48,4 lb) (without exhaust)
DISPLACEMENT:	521 cm³ (31,79 in ³)	LENGTH:	286 mm (11.25 in)
STROKE:	64 mm (2,52 in)	WIDTH:	570 mm (22.44 in)
BORE:	72 mm (2,83 in)	HEIGHT:	338 mm (13.30 in)
MAX. PERFORMANCE:	36,7 kW (50 HP) at 6500 rpm According to DIN 70020	GENERATOR POWER:	250W, 12V
MAX. TORQUE:	53 Nm (38,9 ft. Lb) at 6300 rpm	STARTING DEVICE:	Recoil starter
IGNITION SYSTEM:	CDI	RUNNING DIRECTION:	Counter-clockwise , view to output shaft
CARBURATION:	Slide carburetor (Mikuni) (AS)	COOLING:	Air cooling
FUEL MIXTURE:	Mixture 1:50 , 2-stroke-oil, fuel min. 95 octane (RON) Mixture 1:80-100 with BLUEMAX 2-stroke-oil, fuel min. 95 octane		



OPTIONS

- **Dual ignition**
- **Polyflex belt reduction G23** (1:1,8 / 1:2,0 / 1:2,5 / 1:3,1)
- **Electric starter**
- **Exhaust system** (acc. to Hirth Technical Info)

This is not a certificated aircraft engine ! It has not received the safety and durability testings specified by aircraft standards. It is only for use in uncertificated experimental aircraft or vehicles when there is no risk for the safety due to an engine failure. Never fly the aircraft equipped with this engine in circumstances or in areas, in weather-conditions or in altitudes where you have no chance for successful landing after an engine failure. The user is taking all risk resulting from the use of this engine and he is aware of the possibility of sudden functional disturbances.

Hirth Engines GmbH

Max-Eyth-Straße 10
71726 Benningen am Neckar
Germany

P: +49 7144 8551 0
sales@hirthengines.com

www.hirthengines.com

