



LDW 442 CRS

Urban congestion is one of the main factors influencing the design of the cars of tomorrow. Therefore, in order to defend its leadership in the city car sector, while following suit with the latest design trends of the car manufacturers, Lombardini has come up with an innovative engine concept with low displacement able to satisfy these demands:

- Diesel engine LDW 442 CRS: direct injection "common rail"



FEATURES

This project has been designed with every possible urban application in mind and is therefore suitable for both the Power Pack transmission system and the Hybrid Power system.

- Displacement 440 cm³.
- 4 stroke diesel or petrol engine.
- Two cylinders in line – water-cooled.
- Tilted position of 40° towards the rear of the vehicle.
- Built entirely of pressure die-cast aluminium alloy.
- Overhead cam shaft driven by cogged belt.
- Double counter rotating shaft acting as dynamic balancer.
- "Uni flow" intake and exhaust.
- hydraulic tappets.

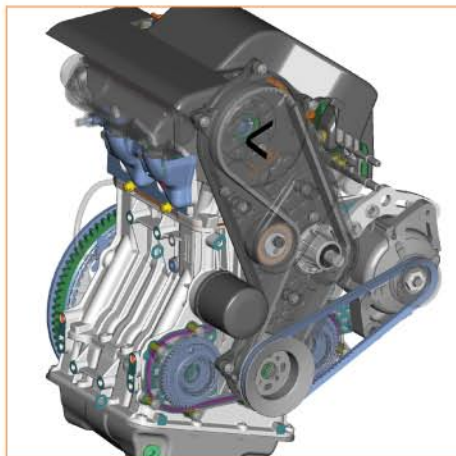
Diesel engine LDW 442 CRS

Rating	4,0 kW@3600 rpm	8,5 kW@4400 rpm
Torque	20,0 Nm@1700 rpm	21,0 Nm@2500 rpm
Weight	48,5 kg	48,5 kg

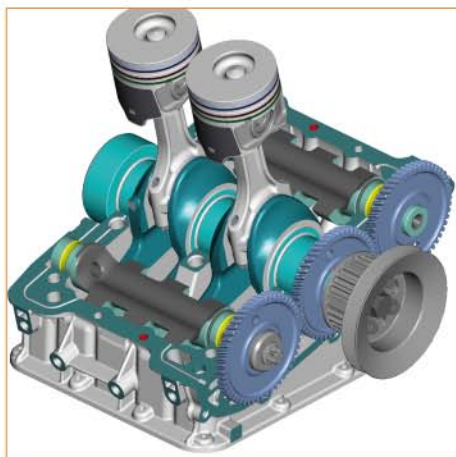


ADVANTAGES

LDW 442 CRS



Die cast aluminium engine block



*Double counter rotating shaft
acting as dynamic balancer*

- **Emission levels:** choice has fallen upon technology able to satisfy anti-pollution regulations for urban vehicles for the next 10 years.
- **Dimensions:** light and compact: the ideal engine for city cars and urban vehicles.
- **Space:** designed for a streamlined bonnet so as to increase user space inside the vehicle.
- **Comfort:** the elimination of residual vibrations provides for increased comfort during use.
- **Noise:** highly reduced noise levels.
- **Reliability:** this engine has been designed to ensure more intervalled maintenance over time in keeping with the highest standards of today's cars.



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