

Isopower Engines.

Today's power requirements for all engineering sectors and applications are very high and most essential. Mostly that requirement is to be fulfilled by the IC engines. IC engine performs crucial role in production of power. It has the vast range of applications. So in concern with this important power developing engines it is to be noted that the engine is most efficient and economical in its operating conditions. Current scenario mechanical engineering technology has most essential to improve efficiency of the existing power developing IC engines and to produce those most efficient engines a pace is to be taken in the form of the arising start-up **"Isopower Engines."**

A cause of good hope had been aroused by the Isopower engines in the virtue of giving most efficient engines rather than till date. It can be possible by forming a new concept of configuration and advance modified hybrid structure of the IC engines backed by the patent application no _____ in the field of IC engines. According to this patent application the working practical efficiency of IC engine reaches up to the range of 70_75% . The major problem of heat loss due to friction had been solved by the given patent application. The work required for compression is gets minimized. Therefore it facilitates to increase the air-fuel ratio . So in above such manners the output efficiency of the upcoming new engine manufactured by Isopower engines is doubled in compared with the conventional existing solutions. Theoretical efficiency of such engines reaches upto 80_90% of its total given heat input .

New Germinating start-up Isopower engines has a vast scope of capturing market of power developing devices. It is one of the newest start-up that claims such a valuable and essential things concerning about engine efficiency. It plans to manufacture both the petrol and diesel engines with the claimed standards given in above patent application. These Isopower engine models shall be knowing in the market for notable improved fuel efficiency and silent operations , lower heat loss and maintenance.

With their supreme design features Isopower engines shall have been proving their performance efficiency in wide range of applications. Our engines shall be inducting various notable applications such as Vehicles, gensets supplies to domestic and international market, agriculture , construction equipment, marine, Automobiles , pump , tractors and more.

- Can be manufactured in both categories of fuel petrol and diesel according to their specifications and requirements respectively.
- Efficient heat addition process for diesel engines results in improving efficiency.
- Enhanced compression ratios for better output. (double of conventional).
- Flywheel has to supply less power for compression.
- Increased air fuel ratio.

- Low noise and vibrations. – as friction gets reduced.
- High Durability-compact graphite iron cylinder heads, bainitic material wet cylinder liners.
- Lower operating costs – higher service interval of 500 hours and a low requirement for consumables or spares
- Temperature of exhaust emissions gases is much lower due to its isentropic expansion on turbine.

Upcoming strength and silent features.

THE LATEST CRDI TECHNOLOGY

4-stroke, liquid-cooled diesel engines are modelled on CRDI technology and manufactured in technical collaboration with the configurations provided by the above patent. The Common Rail Systems are governed by an engine control unit (ECU) which operates and govern carburetor electronically rather than mechanically. As a result, the air fuel mixture that is properly mixed with an increased air fuel ratios given by above patent and atomises easily and burns cleanly, reducing exhaust emissions and increasing efficiency. Isopower engines, available in petrol as well as diesel variants, with large power range.

THE QUALITY EDGE

Each Isopower product undergoes stringent quality control tests, right from the sourcing of raw materials to till the manufacture of finished products. Documentation and evaluation of all critical manufacturing steps – from material composition to final inspection before dispatch – ensures that we consistently produce top quality products as per international standards.

AFTER-SALES SERVICE

Isopower Engines come with the isopower guarantee of quality; hence, breakdowns are never a concern. We should have a network of service dealers who are well-equipped with genuine spare parts stock and ready to provide prompt after-sales service. We also invite interested and capable parties to be our authorised sales and service dealer for unrepresented areas.

DIVERSE APPLICATIONS

Isopowerr Engines are used to power many applications. Some of these are forklift trucks, earth-moving machinery, de-watering pump sets, agricultural pump sets, fire-fighting pump sets, marine, lift irrigation pump sets, etc.

COMPACT & RUGGED

Isopower Engines are compact and occupy less space per unit output.