



# ENGINES COMPANY Ltd., „PZL-MIELEC”



The Engine Company Ltd „PZ-Ślask“ is located in the south-east part of Poland, about 200 km south from Warsaw.

The Factory has gathered long experience in development and production of Diesel engines (more than 200,000 respectively) over 25 years. Such a success is supported by highly qualified engineering and technical staff, modern technologies and an excellent quality control system.

To the family of 30000 and 30711 engines, produced, under Leyland license since the year 1988, belong 6-cylinder engines rating min. 100 hp at 1,400 rpm and 200 hp at 2,000 rpm. The 30000 and 30711 engines are produced in over 200 different versions for various purposes. Among other, these engines are employed in construction machines (loaders, bulldozers, etc.), (4x4) trucks and buses, marine propulsion systems (fishing boats), generating and pumping sets, power plants, etc.

The engines can operate in ambient temperatures ranging from  $-40^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$ . They are exported to many countries, among others to Saudi Arabia, Iran, Turkey, Spain, Germany, UK and all East European countries.



30000 Industrial Turbocharged Diesel Engine with intercooler for 400 JCBs truck.



30000 Industrial Turbocharged Diesel Engine for loader, 100 hp.



30711 120 Industrial Turbocharged Diesel Engine for the electric generating sets, 100 hp.

The specialized machine tools installed in production lines come from machine tool manufacturers known in automotive industry. 100% of produced engines are subject to run-in process production tests. The Engines „PIL-Motor“ continues to bring innovations to the Diesel Engines industry, constantly striving to improve the quality and efficiency of its products and services. Redesigning and modifications of ISRT 11 engines make this possible of conforming with EURO 5.



ISRT11001 Turbocharged diesel engine, 100 kW

#### TECHNICAL DATA

Sweep capacity	11,1 dm <sup>3</sup>
No. of cylinders	6
Power	100 – 240 kW
Engine speed max	2200 min <sup>-1</sup>
Dry weight	880-1070 kg



ISRT11001 Turbocharged diesel engine, 100 kW with ISRT11001 of industrial Turbocharged Diesel Engine.

**ISRT11000** Horizontal Turbocharged Diesel Engine, 150 kW for ISRT11000 city bus. It replaced Hangerman MAN-MAN engine. Mounting elements are constructed in such way, that the engine re-locating can be made in every bus depot (garage).



Engines Co. Ltd.,  
 „FD-Motor“ is a  
 manufacturer of electric  
 power generating sets of  
 outputs ranging from 50 to  
 150 kVA, with our own  
 D650 and D4T11 Diesel  
 Engines and alternators of  
 the world renowned make.  
 The generating sets have  
 been designed to operate  
 both as stationary and  
 movable units. They provide  
 either manual or automatic  
 starting.



Pumping Set 2P650 is  
 designed for field irrigation,  
 pumping out of water and  
 other porous or dense  
 liquids. There can be in par-  
 ticular crude sewage after  
 preliminary filtration, chem-  
 ical paper – pulp with con-  
 cretion less than 3%, its  
 weight percentage of abso-  
 lutely dry mass, mud and  
 vacuum liquid up to 10'  
 of Engler. Maximum al-  
 lowable liquid temperature  
 $T_{max} = 300\text{ K} = 40\text{ K}$   
 $(120 = 100\text{ }^{\circ}\text{C})$ . Maximum  
 allowable liquid density  
 $\rho = (1000 = 1000\text{ kg/m}^3)$ .

Maximum granulation of  
 pollutants – 11 mm.

# OFFERS:

## 1. Vertical and Horizontal Diesel Engines for e.g.:

- trucks and truck – tractors
- city and intercity buses
- mobile cranes
- special vehicles (MAG)

## Industrial, Vertical Diesel Engines for e.g.:

- road machines, bulldozers, hydraulic diggers
- loaders and mine loaders
- combine harvesters and forage harvesters
- monitors and pile-drivers
- marine power units
- generating sets

## Naturally aspirated Diesel Engines with power output:

from 100 kW at 1500 rpm to 108 kW at 2200 rpm

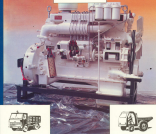
## Turbocharged Diesel Engines with power output:

from 108 kW at 1500 rpm to 348 kW at 2200 rpm

## 2. Diesel Electric Generating Sets rating from 80 kVA to 180 kVA.

## 3. Power Peaks rating from 100 kW to 180 kW.

## 4. Pumping Sets, delivery – 500 m<sup>3</sup>/h at the Lifting Height 55 m.



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