

## Diesel Engines



The diesel engine (also known as a compression-ignition or CI engine), named after Rudolf Diesel, is an internal combustion engine in which ignition of the fuel, which is injected into the combustion chamber, is caused by the elevated temperature of the air in the cylinder due to the mechanical compression (adiabatic compression). Diesel engines work by compressing only the air. This increases the air temperature inside the cylinder to such a high degree that atomised diesel fuel injected into the combustion chamber ignites spontaneously.

### **Slow speed, Water-Cooled**

- 5 to 20 HP
- 12 to 20 HP
- 6 to 14 HP

### **High Speed, Water-Cooled**

- 3 to 18 HP
- 10 to 25 HP
- 30 to 45 HP

### **High Speed, Air-Cooled (FTA & BTA)**

- 3 to 10 HP (FTA)
- 5 to 10 HP (BTA)
- 10 to 20 HP (FTA)
- 10 to 20 HP (BTA)