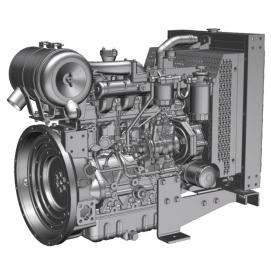
Water Pump Application



| General Engine Data | | | | |
|---------------------|---|--|--|--|
| Family name | 4D24T | | | |
| Туре | Vertical In-line, Water Cooled, diesel Four Stroke | | | |
| Combustion System | Direct Injection | | | |
| Cylinder NO. | 4 | | | |
| Bore x Stroke | 87 mm x 103 mm | | | |
| Displacement | 2.45 litres | | | |
| Compression Ratio | 17.8:1 | | | |
| Induction System | Turbocharged | | | |
| Firing Order | 1 - 3 - 4 -2 | | | |
| Flywheel (inch) | 7.5″ | | | |
| Flywheel Housing | SAE #4 | | | |
| Emission Level | Stage IIIA | | | |

| Water Pump Performance | | | | | |
|------------------------|---|--|--|--|--|
| Raywin Engine Power | | | | | |
| Model | Max Power (*) @ engine speed (kW / rpm) | | | | |
| 4D24T00/A | 37 @ 2400 | | | | |

Note: Oil consumption (% fuel): ≤0.1

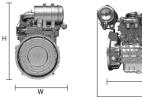
(*): Net power at flywheel according to 97/68 EC (including fan), after 50 hours running, 3% tolerance Fuel Diesel EN590

Test conditions: 25°C air temperature, 100kPA atmospheric pressure, 30% relative humidity



Characteristic

- 1. Turbocharged engine, compact in structure, small in size and light in weight;
- The tunnel type with no cylinder liner block body, good rigidity and low oil consumption (the fuel oil ratio is less than 0.1%);
- 3. Original Stanadyne fuel pump, low swirl rate air flue, porous small aperture injector, strong power and excellent performance.
- 4. With NVH optimization, low noise, low vibration, small heat load, to achieve the international advanced level of similar models.
- 5. Equipped with muffler (loose), air filter and radiator configuration.
- 6. 12V electrical system, equipped with rotational speed, water temperature and oil gauge sensor.
- 7. Available with SAE #4 (standard) or #3 flywheel Housing or with stub shaft.



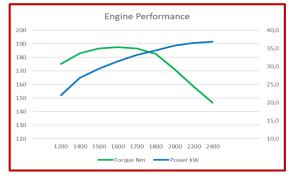


| Installation Information: Engine Dimension & Weight | | | | | | |
|---|-----------------|-----|-----|-----|-----|--|
| | Dimensions (mm) | | | | | |
| Model | Weight (kg) | L1 | L2 | w | Н | |
| 4D24T00/A | 265 | 999 | 852 | 515 | 804 | |



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Water Pump Application

Raywin Engine Scope of Supply

Standard & Options Scope of delivery

Standard: Rigid Supports, Air/Water radiator mounted, double V-belts, moving guards, air filter, oil filter, fuel filter, fuel pre-filter, SAE#4/7,5 inch, HWT alarm & sensor, LOP alarm & sensor, 12V electric system, electrical feed pump;

Options: Silencer (given loose), SAE#3/11,5 inch, Stub shaft, control panel, 24V electric system

| | Raywin E | Raywin Engine Features | | | |
|--------------------|----------------------------------|---|--|--|--|
| 12V, 40A | Startability & Op | Startability & Operating Temperatures | | | |
| Alternator | Unaided Starting | -10°C | | | |
| | Aided Starting | -30°C | | | |
| Connecting Tray | Ambient operating temperatu | ires -30°~45°C | | | |
| 12V Starter Con | hecting | Options: Solutions for more than 45°C and below -30°C | | | |
| | encer | | | | |
| | Raywin E | Raywin Engine Features | | | |
| | Easy Se | Easy Service Features | | | |
| Stanadyne | Same side maintenance: Oil, Fuel | and Air filter are on the same side | | | |
| | Fuel filter change interval (hr) | 250 or each 12 months | | | |
| Fuel Pump | Oil filter change interval (hr) | 250 or each 12 months | | | |
| | | | | | |
| Fuel Filter | Alternator belt replacement (| hr) 800 or each 24 months | | | |



Note: As per technology improvements, the above parameters will continue to evolve in accordance with new legislations. The information in this brochure may be changed or upgraded without prior notice

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