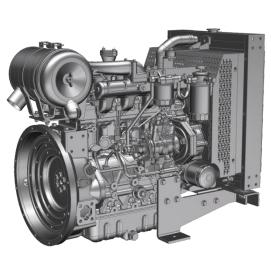
Water Pump Application



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

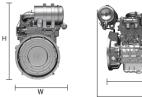
(*): Net power at flywheel according to 97/68 EC (including fan), after 50 hours running, 3% tolerance Fuel Diesel EN590

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.



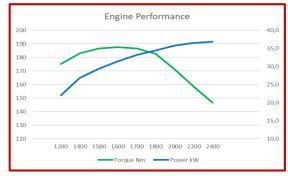


Installation Information: Engine Dimension & Weight						
	Dimensions (mm)					
Model	Weight (kg)	L1	L2	w	Н	
4D24T00/A	265	999	852	515	804	



RAYWIN POWERTRAIN TECHNOLOGY CO., LTD.

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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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