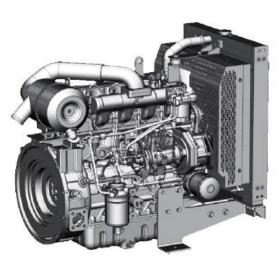
Water Pump Application



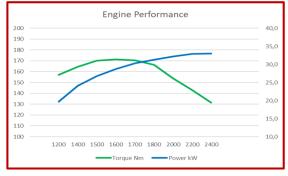
General Engine Data				
Family name	4D24			
Туре	Vertical In-line, Water Cooled, diesel Four Stroke			
Combustion System	Direct Injection			
Cylinder NO.	4			
Bore x Stroke	87 mm x 103 mm			
Displacement	2.45 litres			
Compression Ratio	19.0:1			
Induction System	Naturally Aspirated			
Firing Order	1 - 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)			
4D2401/A	33 @ 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



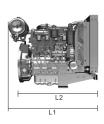


- 1. Natural aspirated engine, very compact, small in size and light in weight;
- The tunnel type with no cylinder liner block body, good rigidity and low oil consumption (the fuel oil ratio is less than 0.1%);
- 3. Original Stanadyne fuel pump, low swirl rate air flue, porous small aperture injector, 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.



Stub Shaft





Installation Information: Engine Dimension & Weight						
		Dimensions (mm)				
Model	Weight (kg)	L1	L2	W	Н	
4D2401/A	240	982	851	534	775	



RAYWIN POWERTRAIN TECHNOLOGY CO., LTD.

ADD: No.99, Jiujiang Rd, Shuangfu District, Jiangjin District, Chongqing, 402247, China Tel: +86-(0)23-85553153 http://www.raywinpower.com www.bimotor.it

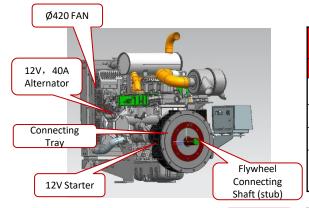
Water Pump Application

Raywin Engine Scope of Supply

Standard & Options Scope of delivery

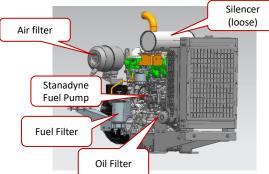
Standard: Rigid Supports, Air/Water radiator mounted, double V-belts, moving guards, air filter, fuel filter, fuel pre-filter, SAE#4/7,5 inch, HWT alarm & sensor, LOP alarm & sensor, 12V electric system, electrical feed pump;

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



Raywin Engine Features				
Startability & Operating Temperatures				
Unaided Starting	-10°C			
Aided Starting	-30°C			
Ambient operating temperatures	-30°45°C			

Options: Solutions for more than 45°C and below -30°C



Raywin Engine Features					
Easy Service Features					
Same side maintenance: Oil, Fuel and Air filter are on the same side					
Fuel filter change interval (hr)	250 or each 12 months				
Oil filter change interval (hr)	250 or each 12 months				
Alternator belt replacement (hr)	800 or each 24 months				
Coolant change (months)	24				



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

