



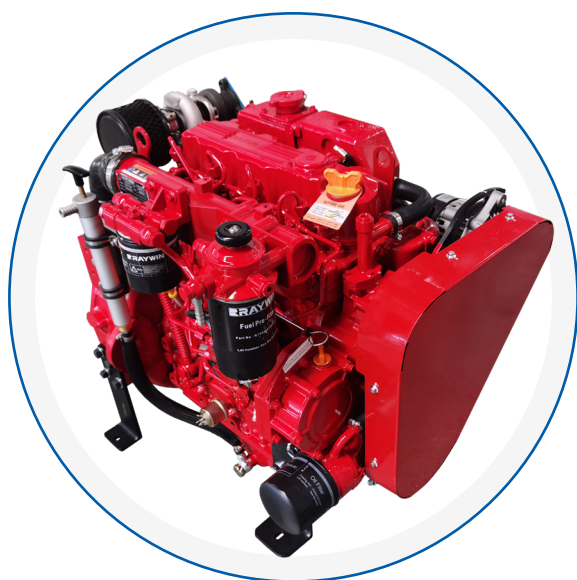
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DATASHEET

SPRINKLER APPLICATION



4D24T04/F DATASHEET

Main engine specifications

GENERAL ENGINE DATA

Engine model	4D24T04/F
Type	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
Valve no. Per cylinder	2
Speed governor type	Mechanical
Fuel system	Stanadyne db fuel pump
Induction system	Turbocharged
Firing order	1 - 3 - 4 - 2
Flywheel (inch)	7.5"
Flywheel housing	Sae #4

SPRINKLER ENGINE PERFORMANCE (*)

Model	Max Power @ engine speed (kW / rpm)
4D24T04/F	48 @ 3000

(*): Net power at flywheel according to 97/68 EC (without fan), after 50 hours running, 3% tolerance Fuel Diesel EN590. Power derating conditions: see specific Raywin De-rating Chart

Test conditions: ISO 3046/1, 25°C air temperature, 100kPA atmospheric pressure, 30% relative humidity – Applicable also to DIN 6271, BS 5514, SAE J1349 Standards



SPRINKLER APPLICATION

Raywin Engine Scope of Supply

RAYWIN ENGINE SCOPE OF SUPPLY

RADIATORVERSION (standard)

Rigid Supports;
Air/Water radiator mounted;
double V belts;
pusher fan fan guards;
air filter, oil filter, fuel filter, fuel pre filter;
SAE# 4/7.5 inch with pick up arrangement;
HWT alarm & sensor LOP alarm & sensor;
12 V electric system (starter alternator);
manual throttle;
ETS 12 V (Shut down solenoid valve normally open);
Exhaust kit (exhaust flange and gasket, bolts nuts);

HEAT EXCHANGER VERSION

Rigid Supports;
W/W Heat Exchanger water cooled exhaust manifold mounted;
double V-belts;
pulley & moving parts guards;
air filter, oil filter, fuel filter, fuel pre-filter;
SAE# 4/7.5 inch with pick up arrangement;
HWT alarm sensor LOP alarm sensor;
12 V electric system (starter alternator);
manual throttle;
ETS 12 V (Shut down solenoid valve normally open);
Exhaust kit (exhaust flange and gasket, bolts nuts);

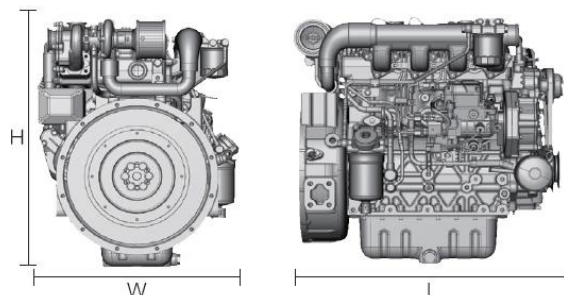
Options: Silencer given loose Control panel, 24 V electric system, manual oil drain pump.

Characteristic

- Turbo charged engine, compact instructure, 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%);
- Original Stanadyne fuel pump, low swirl rate air fuel, porous small aperture injector, strong power and excellent performance.
- With NVH optimization, low noise, low vibration, small heat load, to achieve the international advanced level of similar models.
- Equipped with muffler (loose), air filter and air/water radiator or water/water heat exchanger configuration.
- 12V electrical system, equipped with arrangement for speed pick-up, water temperature and oil gauge sensor.

INSTALLATION INFORMATION: ENGINE DIMENSION & WEIGHT

MODEL	WEIGHT	DIMENSIONS (MM)			
		L1	L2	W	H
4D24T04/F (WR)	265	966	852	557	823
4D24T04/F (HE)	220	792	648	557	823



Note: The information in this brochure may be changed or upgraded without prior notice (DSESPR_BM_RW_4D24T--AEN00).



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