



GET190F 10hp 12hp Air Cooled Diesel Engine 25 Hp Diesel Motor Lightweight

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: GET
- Certification: ISO CE
- Model Number: GET190F
- Price: Negotiable
- Delivery Time: 15-20 workdays
- Payment Terms: LC, T/T, PayPal, Western Union, Small-amount payment, Money Gram



Product Specification

- Type: Single Cylinder, Vertical, Four-stroke, Direct Injection, Air-cooled
- Borexstroke: 73x59mm, 78x62mm, 86x72mm
- Displacement: 247ml, 296ml, 418ml
- Compression Ratio: 20:01, 20:01, 19:01
- Rated Power(kw/rpm): 3.5/3000-3.8/3600 3.68/3000-4/3600 5.7/3000-6.3/3600
- Rated Power(hp/rpm): 4.8/3000-5.2/3600, 5.0/3000-5.4/3600, 7.8/3000-8.6/3600
- Rated Speed(rpm): 3000/3600
- Lowest Rotation Speed At Zero Load: ≤1300r/min
- Lubricating System: Pressure Splashed
- Starting System: Recoil Start/electric Starter
- Rotation Direction(face To The Output Axle): Anticlockwise
- Fuel Type: 0#(summer) 10#(winter) 25#(chillness)

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Product Description

GET190F 10hp 12hp 25hp Air Cooled Diesel Engine Lightweight Cost-Effective

Model	GET173F	GET186FA	GET178F
Bore x Stroke mm	296 x 418	-	-
Displacement mL	247	-	-
Compression Ratio	13.5/3000	3.68/3000	5.7/3000
Rated Power KW/rpm	4/3600	6.3/3600	3.8/3600
Rated Power HP/rpm	5.2/3600	5.4/3600	8.6/3600
Rated Speed/≤r/min	-	-	≤1300
Lubricating system	Pressure splashed	-	-
Starting system	Recoil Start/electric starter	-	-
Rotation direction(face to the output axle)	Anticlockwise	-	-
Fuel type	2.5L,3.5L,5.5L diesel	-	-
Fuel consumption/related rotation speed(g/kW.h///min)	288.3/3600,285.6/3600,281.5/3600	-	-
Lube oil type	CD grade or SAE 10W-30,15W-40,0.75,1.65L1.1	-	-
Lube oil capacity	12V,0.8kWV,kW	-	-
Starting motor capacity	V,A12V8.3ACharging generator capacity	-	-

Air-cooled diesel engines operate on the same basic principles as other internal combustion engines but employ an air-cooling system instead of a liquid cooling system. Here is a simplified explanation of how an air-cooled diesel engine works:
Intake Stroke: The piston moves downward in the cylinder, creating a partial vacuum. The intake valve opens, allowing fresh air to flow into the combustion chamber.

Compression Stroke: The piston moves upward, compressing the air inside the combustion chamber. Both the intake and exhaust valves remain closed during this stroke, sealing the combustion chamber.

Fuel Injection: Near the end of the compression stroke, fuel is injected into the combustion chamber at high pressure. The heat generated by the compressed air causes the fuel to ignite spontaneously, without the need for a spark plug.

Power Stroke: As the fuel ignites, it combusts rapidly, producing a high-pressure mixture of expanding gases. This combustion forces the piston downward, generating power. The power stroke is the phase where the engine produces usable work.

Exhaust Stroke: After the power stroke, the piston moves upward again, pushing the exhaust gases out of the cylinder through the exhaust valve. The exhaust valve opens, and the burned gases are expelled from the combustion chamber.

Cooling: Unlike liquid-cooled engines that use a coolant and radiator, air-cooled engines dissipate heat through cooling fins and airflow. The engine's design incorporates cooling fins on the cylinder and sometimes the cylinder head. These fins increase the surface area, allowing heat to transfer to the surrounding air. Airflow, either generated by a fan or natural convection, carries away the heat, keeping the engine within its optimal operating temperature range.

Repeat Cycle: The four-step cycle (intake, compression, power, and exhaust) repeats continuously as long as fuel is supplied and the engine is running. Each revolution of the engine completes one cycle, generating power and maintaining the engine's operation.



单缸风冷柴油引擎系列 Single Cylinder Air Cooled Diesel Engine Series

单缸风冷柴油引擎规格 Specifications

Model	GET173F	GET186FA	GET178F
缸径 × 行程 (mm)	296 × 418	-	-
排量 (mL)	247	-	-
压缩比	13.5/3000	3.68/3000	5.7/3000
额定功率 (kW/rpm)	4/3600	6.3/3600	3.8/3600
额定功率 (HP/rpm)	5.2/3600	5.4/3600	8.6/3600
额定转速 (r/min)	-	-	≤1300
润滑系统	压力飞溅	-	-
启动系统	反冲启动/电启动	-	-
旋转方向 (面对输出轴)	逆时针	-	-
燃油类型	2.5L, 3.5L, 5.5L 柴油	-	-
燃油消耗量/相关转速 (g/kW.h/转/分)	288.3/3600, 285.6/3600, 281.5/3600	-	-
机油类型	CD 等级或 SAE 10W-30, 15W-40, 0.75, 1.65L1.1	-	-
机油容量	12V, 0.8kWV, kW	-	-
启动电机容量	V, A12V8.3A 充电发电机容量	-	-



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