

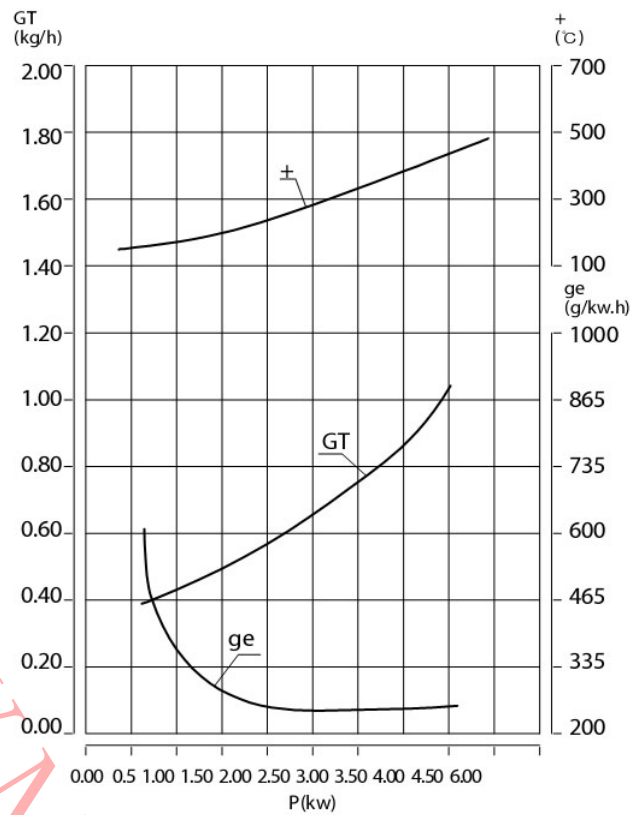
# 178F DIESEL ENGINE



## Description

- \*The miniaturized fuel injection system
- \*Low fuel consumption
- \*Lightweight and compact design
- \*Easy and fast starting
- \*Stand up the hard work

178F Diesel Performance Curve



## Technical Parameter

Type	Single cylinder,vertical,4-stroke,air-cooled,direct injection
Bore*stroke [mm(in)]	78X62
Displacement[L(cc)]	0.296/296
Compression ratio	20
Rated power[kW/rpm]	3.68/3000,4/3600
Rated speed(rpm)	4/3600
Lubricating system	pressure splashed
Lube oil capacity(L)	1.1
Fuel tank capacity[L(US.gal)]	3.5
Output shaft	camshaft or crankshaft
Starting system	Recoil starter/Electric starter
Fuel consumption[g(ml)/kW.h]	3000rpm: 276.1 3600rpm: 285.6
Rotation direction(view from the wheel)	Clockwise
Overall dimension[mm(in)](L×W×H)	385×420×450
Dry weight[kg]	≤33

# 186F DIESEL ENGINE



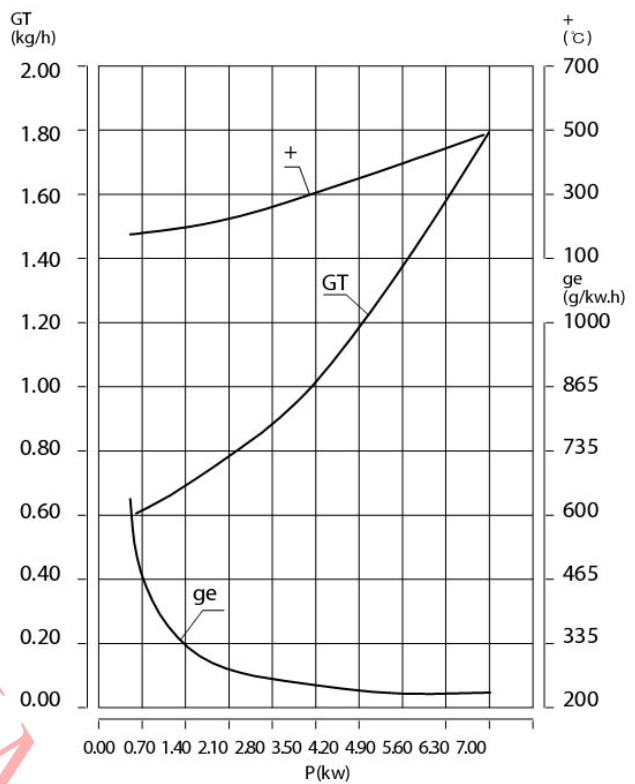
## Description

- \*The miniaturized fuel injection system
- \*Low fuel consumption
- \*Lightweight and compact design
- \*Easy and fast starting
- \*Stand up the hard work

## Technical Parameter

Type	Single cylinder,vertical,4-stroke,air-cooled,direct injection
Bore*stroke [mm(in)]	86X70
Displacement[L(cc)]	0.406/406
Compression ratio	19
Rated power[kW/rpm]	5.7/3000,6.3/3600
Rated speed(rpm)	6.3/3600
Lubricating system	pressure splashed
Lube oil capacity(L)	1.65
Fuel tank capacity[L(US.gal)]	5.5
Output shaft	camshaft or crankshaft
Starting system	Recoil starter/Electric starter
Fuel consumption[g(ml)/kWh]	3000rpm: 275.1 3600rpm: 281.5
Rotation direction(view from the wheel)	Clockwise
Overall dimension[mm(in)](L×W×H)	420×440×495
Dry weight[kg]	≤47

186F Diesel Performance Curve



# 173F GASOLINE ENGINE



## Description

- \*OHV leads to the lower fuel consumption
- \*Electronic ignition
- \* Recoil starter makes the safe starting

## Technical Parameter

Type	OHV25° Single Cylinder, Forced Air Cooling,4-Stroke
Bore*stroke [mm(in)]	73*58(2.87*2.28)
Displacement[L(cc)]	242
Compression ratio	8.2:1
Rated power[kW/rpm]	5.2kw/3000rpm
Engine speed (rpm)	3600
Lubricating system	Splashing
Lube oil capacity(L)	1.1(0.29)
Fuel tank capacity[L(US.gal)]	6(1.59)
Igniting Mode	Transistor Electric, Inductive Firing
Starting system	Recoil
Fuel consumption[g(ml)/kWh]	≤374g/kw.h
Max. torque	16.6Nm/2500rpm
Overall dimension[mm(in)](L×W×H)	475×450×535
Dry weight[kg]	25