



**YANMAR**

INDUSTRIAL GAS ENGINES

# **4TN88G / 4TN98G**

2.2L / 45kW

3.3L / 63kW



**4TN88G**

# Gas Engine for Off-Road Mobile Machinery

**45kW**  
/ 2,600min<sup>-1</sup>

**4TN88G**



**63kW**  
/ 2,500min<sup>-1</sup>

**4TN98G**



## Our Original and Advanced Gas Combustion Technology

- ✓ Higher Specific Power and Torque compared to Diesel Engines
- ✓ Class Leading Fuel Efficiency
- ✓ Endurance and Reliability of a Diesel Engine Block
- ✓ Compact Engine Configuration
- ✓ Compatibility with Diesel Engine



Utilizing stoichiometric combustion<sup>\*1</sup> and a multi-point injection system<sup>\*2</sup>, Yanmar's proprietary engine control system optimizes the air intake to achieve even greater power and torque than our diesel engines.

<sup>\*1</sup> : Stoichiometric combustion : The stoichiometric mixture for a gas engine is the ideal ratio of air to fuel that burns all fuel with no excess air.

<sup>\*2</sup> : Multi-point injection system : A system that injects gas fuel to each air intake port of the cylinder.

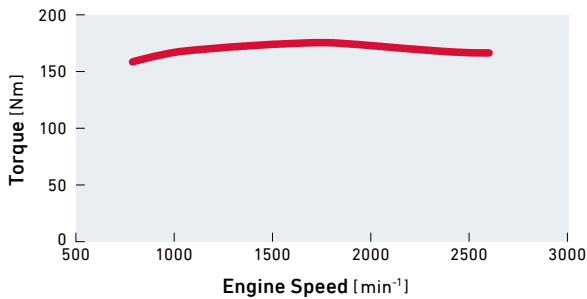
## 4TN88G

### SPECIFICATION

Model		<b>4TN88G</b>
Emission Compliance		EPA Tier2 / CARB Tier4 / EU Stage V
Engine Type		Vertical, 4-cycle water-cooled Engine
Aspiration		Naturally aspirated
Combustion System		Spark Ignition / Pre-mixed / Stoichiometry
Fuel Type		LPG
ATS		Three way catalyst
Number of Cylinders		4
Bore × Stroke	mm	88 × 90
Displacement	L	2.2
Rated Output (WOT*/SAE J1995)	kW / min <sup>-1</sup>	45 / 2,600
Max.Torque (WOT*/SAE J1995)	Nm / min <sup>-1</sup>	175 / 1,800
Overall Length × Width × Height	mm	659 × 535 × 701
Weight (Dry)	kg	175 (w/o ATS)

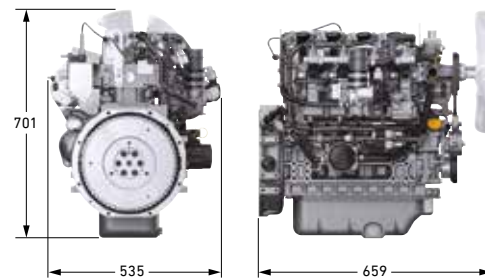
\*WOT: Wide Open Throttle

### PERFORMANCE CURVE [ 45kW / 2,600min<sup>-1</sup> ]



### DIMENSIONS

Unit : mm



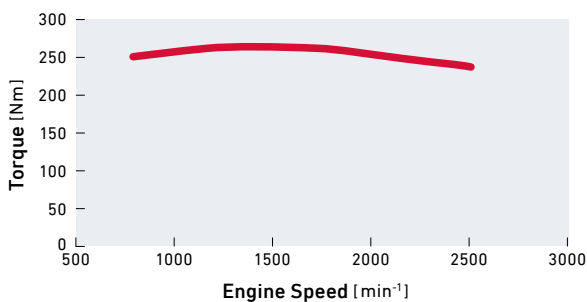
## 4TN98G

### SPECIFICATION

Model		<b>4TN98G</b>
Emission Compliance		EPA Tier2 / CARB Tier4 / EU Stage V
Engine Type		Vertical, 4-cycle water-cooled Engine
Aspiration		Naturally aspirated
Combustion System		Spark Ignition / Pre-mixed / Stoichiometry
Fuel Type		LPG
ATS		Three way catalyst
Number of Cylinders		4
Bore × Stroke	mm	98 × 110
Displacement	L	3.3
Rated Output (WOT*/SAE J1995)	kW / min <sup>-1</sup>	63 / 2,500
Max.Torque (WOT*/SAE J1995)	Nm / min <sup>-1</sup>	264 / 1,200
Overall Length × Width × Height	mm	725 × 577 × 796
Weight (Dry)	kg	240 (w/o ATS)

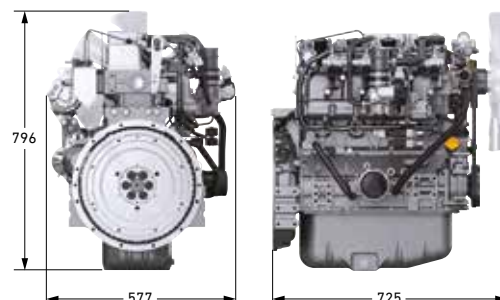
\*WOT: Wide Open Throttle

### PERFORMANCE CURVE [ 63kW / 2,500min<sup>-1</sup> ]



### DIMENSIONS

Unit : mm





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