

Specifications

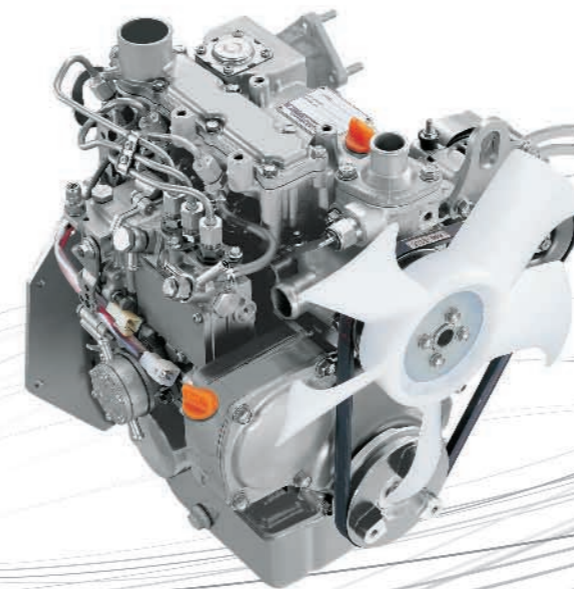
Model		3TNM68			3TNM72			
Type		Vertical cylinder, 4-cycle water-cooled diesel engine						
Combustion		Indirect injection (IDI)						
Aspiration		NA						
No. of cylinders		3						
Cyl. Bore x stroke		68x72			72x74			
Displacement		0.754			0.903			
Rated output		Speed min ⁻¹	NET		NET		Gross	
			kW	hp	kW	hp	kW	
Industrial use	Intermittent	3600	14.1	18.9	14.7	17.0	22.8	18.2
		3400	13.5	18.1	14.1	16.5	22.1	17.3
		3200	12.8	17.2	13.3	15.6	20.9	16.3
		3000	12.6	16.9	13.0	14.7	19.7	15.3
Generator use	Stand-by	3600	14.6	19.6	15.2	17.0	22.8	18.2
		3000	12.2	16.4	12.6	14.5	19.4	15.2
	Continuous	1800	7.3	9.8	7.4	8.6	11.5	8.8
		1500	6.1	8.2	6.2	7.3	9.8	7.4
		3600	13.3	17.8	13.9	15.5	20.8	16.7
		3000	11.1	14.9	11.5	13.2	17.7	13.9
		1800	6.6	8.8	6.7	7.8	10.5	8.0
		1500	5.5	7.4	5.6	6.6	8.9	6.7
Cooling system		Radiator						
Starting system		Electric starting						
Dimensions (back plate)		Length	mm			431		450
		Width	mm			416		416
		Height	mm			500		506
Dry mass (back plate)		kg		77		83		
Dry mass (Semi SAE #6 bell housing)		kg		86		92		
Dry mass (SAE #5 bell housing)		kg		99		105		

New Compact Diesel Power

MM series

3TNM68
4.1kW (18.9hp)

3TNM72
17.0kW (22.8hp)



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World Class, Original Technology
From Yanmar to the World, to the Future.

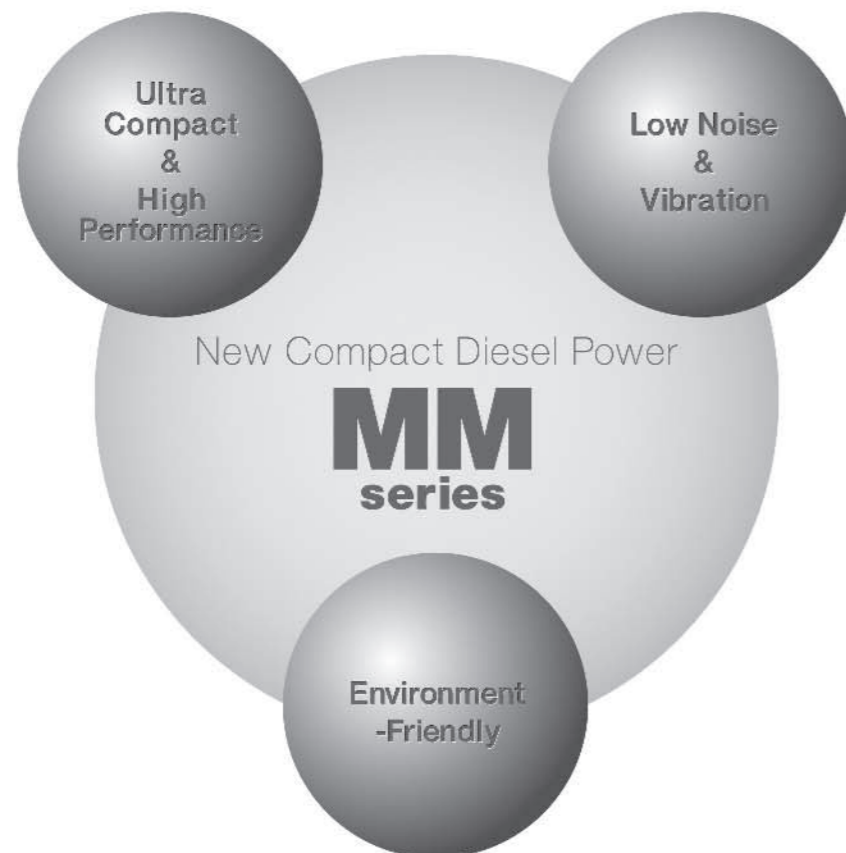
Yanmar introduced the world's first commercial compact diesel engine in 1933. The technical innovation has kept on flowering ever since, making Yanmar a constant leader in diesel technology. Yanmar products are popular in fields as diverse as agriculture, construction, power generation as well as commercial and pleasure marine applications. Yanmar's industrial diesel engines have a great reputation for high, enduring reliability, and clean emissions making it compliant with emissions regulations all over the world. Yanmar responds precisely to customers' needs. With high performance and high quality engines at the core, Yanmar is always seeking new ways to harmonize technology with the environment.

MINI x MAX

Minimum Size & Maximum Performance

People these days are much more aware about the needs of the planet. The demand for diesel engines that consume less fuel and place less load on the environment is high in many sectors that are truly close to home, including lawn & garden equipment, compact farm machinery and many other applications. As a result of significant technological studies, Yanmar proudly presents two models of MINIMAX diesel engine series with

- ① Ultra Compact Size
- ② Low Noise & Vibration
- ③ Environment-Friendly.



What's So Special about the MM Series?

Ultra-Compact and High Performance

[Best in class Power Density]

The secret to that power density lies in the new cylinder body. In addition to its extremely high output for the size, the engine also has smaller base for flexible installation on a wider range of work machines.

(*Power density is the ratio of engine output relative to the engine's external dimensions. The MM series is ahead even of the present 3TNV70.)

Low Noise & Vibration

[The Ladder Frame Structure]

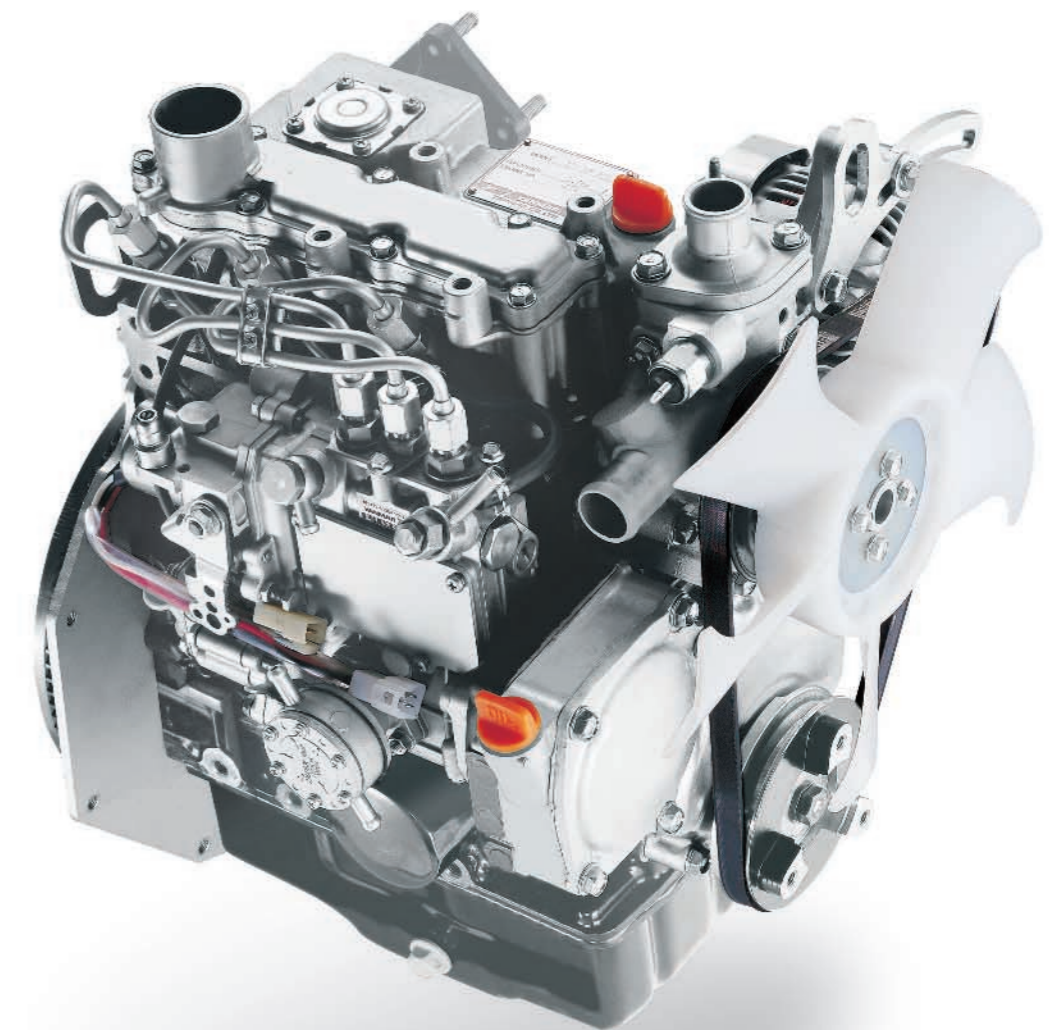
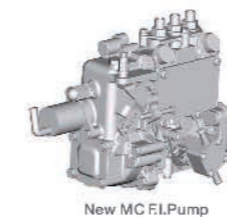
The ladder frame structure of cylinder block achieves drastic reductions of noise and vibration from the engine body.



Environment-Friendly

[Compliant with EPA Tier 4 in the U.S. and Extra-low Fuel Consumption]

The high combustion performance is achieved together with low emissions that satisfy EPA Tier 4. Yanmar's original combustion technologies and MC fuel injection pump and nozzle are the key to this achievement.



New Compact Diesel Power

MM series



Easy Installation

[Easy Installation and Replacement, the Perfect fit for your Machine]

With its compact size and universal base attachment design, the MM series is an easy replacement for almost all major applications.

- Lawn and Garden Equipment ■ Small Agricultural Machinery
- Utility Vehicles ■ Compact Generators