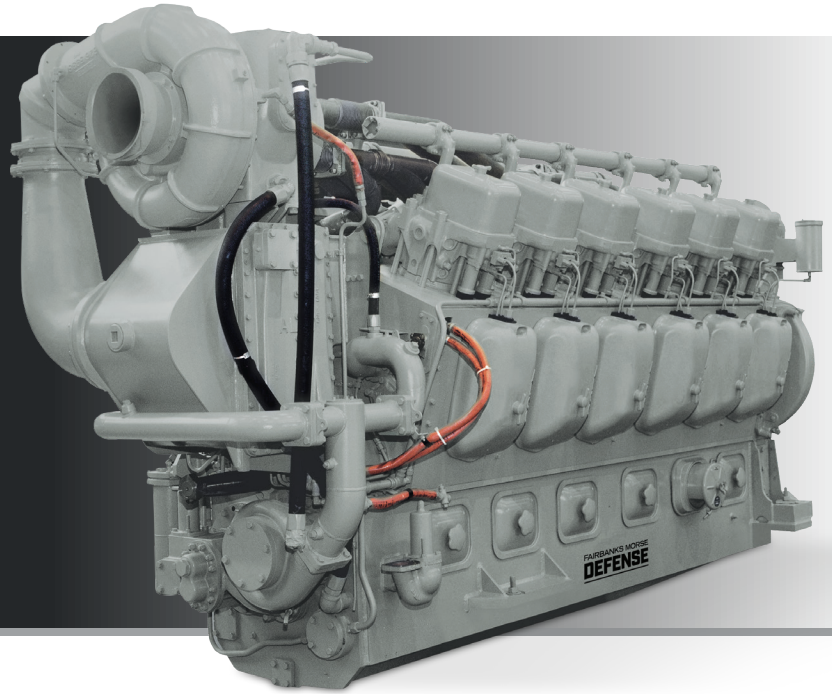


**FM 251F**

**POWER RANGE**  
**764 – 3,060 kWb**



**Durable and Reliable**

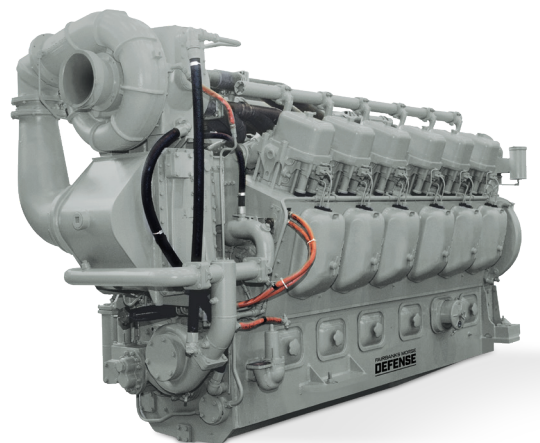
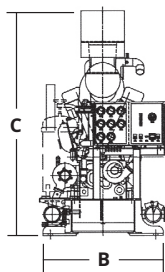
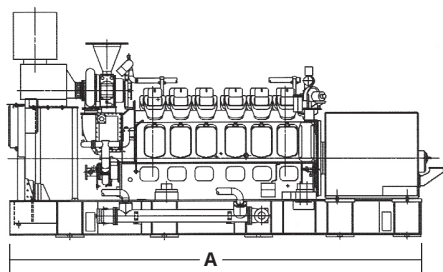
The FM 251F engine is renowned worldwide for efficient and reliable power in the most demanding stationary applications. Featuring a durable cylinder head casting, this rugged engine option offers exceptional commonality of components, and affords high specific output with low specific fuel consumption.

APPLICATIONS	INSTALLATIONS	KEY ADVANTAGES
<ul style="list-style-type: none"> <li>• Emergency Nuclear Reactor Cooling</li> <li>• Power Generation</li> <li>• Compression</li> <li>• Pumping</li> <li>• Emergency Power</li> </ul>	<ul style="list-style-type: none"> <li>• Nuclear Power Plants</li> <li>• Water Management Facilities</li> <li>• Natural Gas Compressors</li> <li>• Pump Drives</li> <li>• Hospitals</li> <li>• Municipalities</li> <li>• Industrial Power Generation</li> <li>• Locomotive</li> </ul>	<ul style="list-style-type: none"> <li>• Strong, durable cylinder head casting for increased life of critical components</li> <li>• Exceptional commonality of components</li> <li>• Well established workhorse engine to accommodate multiple applications</li> <li>• Known for reliability, high specific output and low specific fuel consumption</li> <li>• Quality iron alloy makes cylinder head resist high temperatures and pressures</li> </ul>

SPECIFICATIONS			
Cylinder Configuration	6L, 8V, 12V, 16V, 18V	Displacement/Cylinder-L (cu in)	10.9 (668)
Cylinder Bore - mm (in)	229 (9.0)	Mean Piston Speed - m/s (ft/s)	8.0 (26.3) 900 rpm   8.9 (29.2) 1,000 rpm   10.7 (35.0) 1,200 rpm
Piston Stroke - mm (in)	267 (10.5)	BMEP - bar (psi)	15.8 – 16.7 (230 – 240)
Cycle	4 Stroke		

# FM 251F

**POWER RANGE**  
**764 – 3,060 kWb**



## POWER RATINGS

Cylinders	Rating	900 RPM   60 kWe	1,000 RPM 50 Hz kWe	1,200 RPM 50 & 60 Hz kWe
6L	Continuous	730	870	1,000
	2000 hr/yr	762	906	1,043
	2 hr/yr	812	956	1,097
8V	Continuous	1,040	1,160	—
	2000 hr/yr	1,082	1,205	—
	2 hr/24hr	1,142	1,275	—
12V	Continuous	1,566	1,740	2,000
	2000 hr/yr	1,630	1,811	2,082
	2 hr/24hr	1,713	1,912	2,200
16V	Continuous	2,100	2,310	2,670
	2000 hr/yr	2,183	2,400	2,780
	2 hr/24hr	2,310	2,540	2,937
18V	Continuous	2,350	2,600	—
	2000 hr/yr	2,450	2,714	—
	2 hr/24hr	2,584	2,863	—

## DIMENSIONS

Cylinders	Length A mm	Width B mm	Height C mm	Dry Weight M tons
6L	7,036	2,616	2,870	19.4
8V	6,528	2,692	3,486	21.7
12V	8,573	2,692	3,486	25.4
16V	9,712	2,692	3,486	34.1
18V	10,465	2,692	3,486	38.7

**FAIRBANKS MORSE**  
**DEFENSE**

701 White Avenue  
Beloit, Wisconsin 53511 USA  
1-800-356-6955

[FM.Marketing@fmdefense.com](mailto:FM.Marketing@fmdefense.com)

©2022 Fairbanks Morse Defense. All rights reserved. Form 3000.0122

[fairbanksmorsedefense.com](http://fairbanksmorsedefense.com)