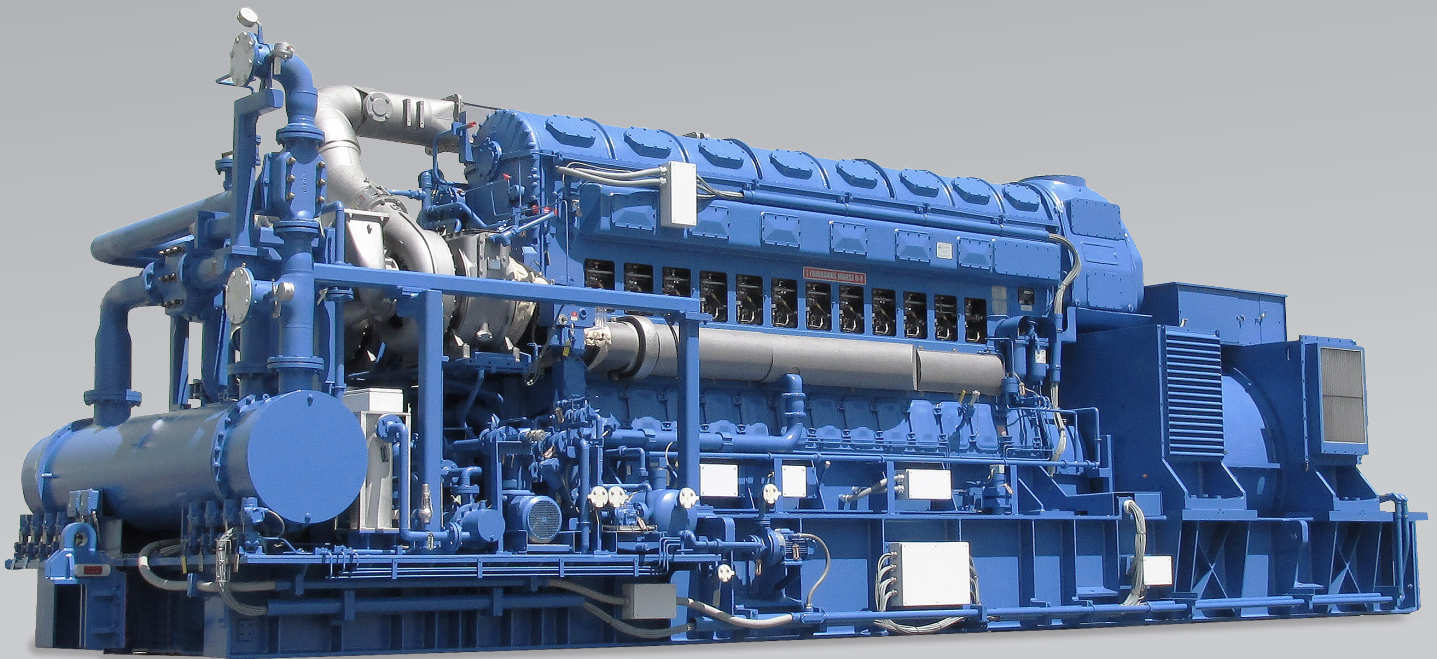




FAIRBANKS MORSE

PROVIDING CRITICAL POWER WHERE IT'S NEEDED MOST

ULTIMATE SAFETY GENSET
DRIVEN BY OP TECHNOLOGY



POWER FOR THE EXTREME

Ultimate Safety Generator Features



AVAILABLE POWER
3500 kWe



REDUNDANT AIR
START EQUIPMENT



BACKUP RESTART
CAPACITY DURING
2 HR POWER LOSS



EARTHQUAKE
RESISTANCE



FLOODING



EXTREME
COLD OR HOT



TORNADO



EXTERNAL
EXPLOSION



FUEL INVENTORY
72 HRS CONSTANT
OPERATION



15 DAYS WITHOUT
HUMAN CONTACT



RADIOLOGICAL
RESISTANCE

OP Engine technology

Easy and efficient maintenance

- No cylinder heads
- No exhaust and intake valves
- Minimal space needed to remove parts

Rigid construction and slower piston speed

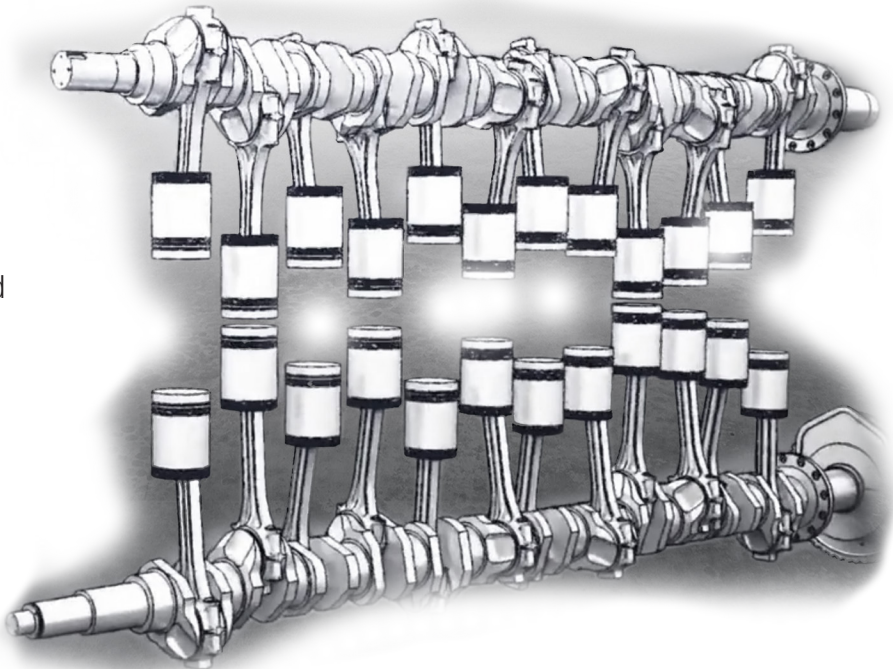
- Fewer moving parts
- Higher power density with lower BMEP
- All steel-welded engine block

Flexibility and reliability

- Accepts 100% load steps
- Long service life

QUALIFICATION & CERTIFICATION

- IPS-NC
- US Nuclear Regulatory Commission (NRC)
- Code of Federal Regulations Part 50 (10CFR50 Appendix B)
- American Society of Mechanical Engineers (ASME NQA-1)
- Institute of Electrical and Electronics Engineers (IEEE 323, 344 & 387)





OP 38D 8-1/8 DIESEL

Power Range
3,500 kWe

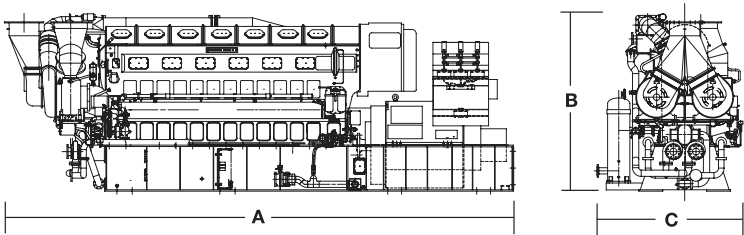
The FM Model 38 Opposed Piston (OP) diesel engine is one of the most successful engines ever built and was first released in 1933. Many improvements have been incorporated into the OP engine over the years and it has the reputation as being a very reliable, rugged and dependable power source. The engine design has been refined and improved, and remains one of the most efficient modern engines designed to meet the power needs of all our customer applications.

Specifications

Cylinder Configuration	12L	Displacement/Cylinder - L (cu in)	16.9 (1037)
Cylinder Bore - mm (in)	206 (8.1)	Mean Piston Speed - m/s (ft/sec)	8.5 (27.8)
Piston Stroke - mm (in)	254 (10.0)	BMEP - bar (psi)	10.7 (155)
Cycle	2 Stroke		

Dimensions

Cylinders	A (mm)	B (mm)	C (mm)	Dry Weight kg (lbs)
12	10499	3629	3302	66877 (147440)



Power Ratings

Cyl.	Aspiration	50 Hz 1000 RPM kWe	60 Hz 900 RPM kWe
12	Turbo-blower	3500	3150

Fairbanks Morse
701 White Ave.
Beloit, WI 53511 USA
+1-608-364-4411
+1-800-356-6955
www.fairbanksmorse.com
Form# 1031.1220



FAIRBANKS MORSE