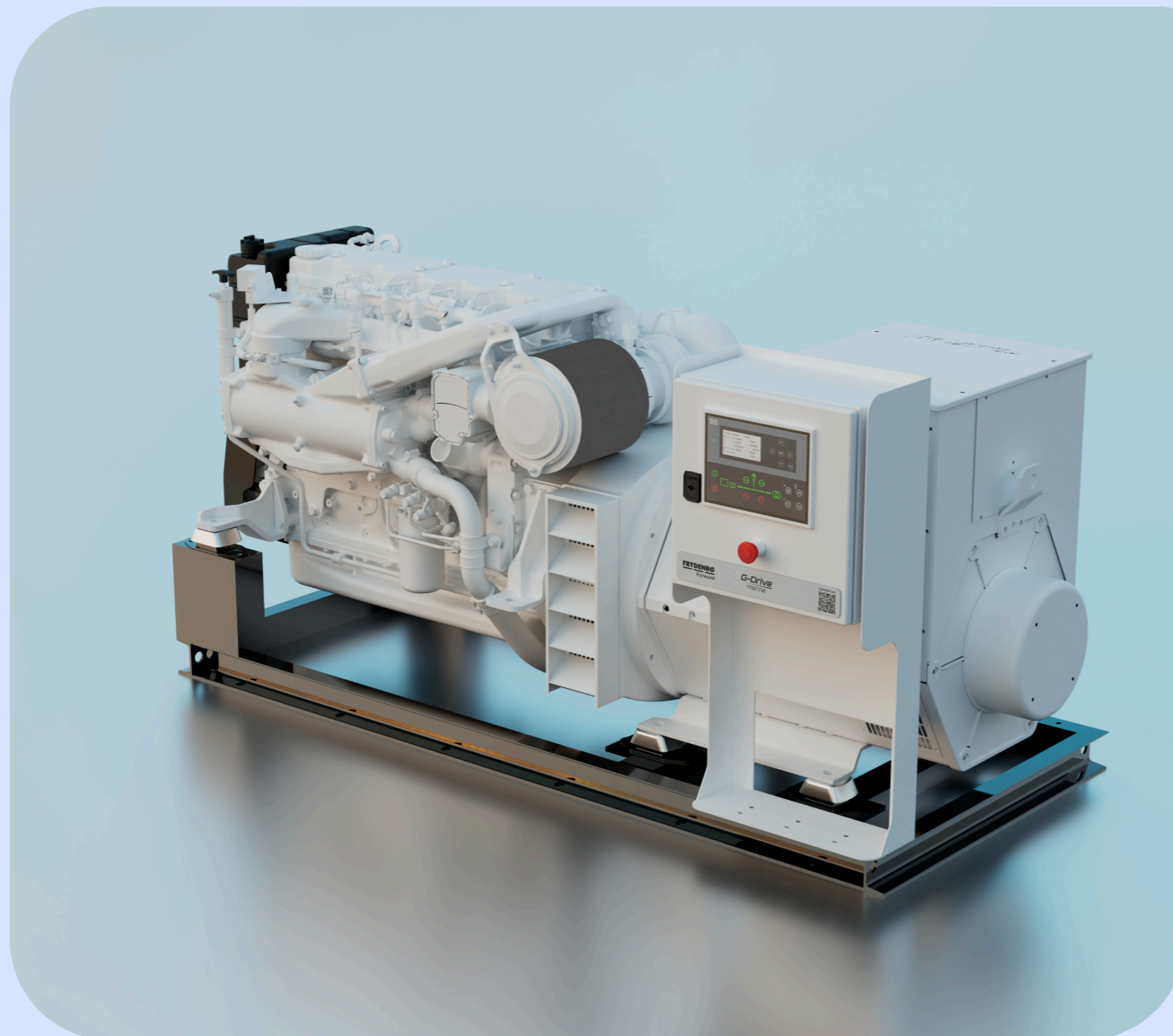


Datasheet: FFW 151M

151 KVA G-Drive Marine



Engine – FPT N67 450

Generator – Stamford UCM 274 H1

Control system – Deif AGC 150 Marine



FFW 151M - G-Drive Marine

- A complete genset delivered on a common bedframe.
- Delivered according to customer requirement.
- Engine and generator with alarm and monitoring system.
- Emission certifications: These ratings are **IMO MARPOL** exempted due to power below 130 KWm.

Main Features

Frequency / RPM	HZ / RPM	50 / 1500	60 / 1800
Voltage	V	230/400	440
Prime rated power	KVA	*151 / 121	*151 / 121
Power factor	Cos Φ	0,8	0,8
Phace		3ph	3ph

*PRP Prime Power conforms to ISO 8528. Unlimited hours per year.
 Maximum mean load factor of 70% of rated power over 24h of operation.
 St.by +10% (maximum of 1 h in 12 h,maximum in 25 h per year).

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5082 06 00646
 NO 890 397 832 MVA

Rating type

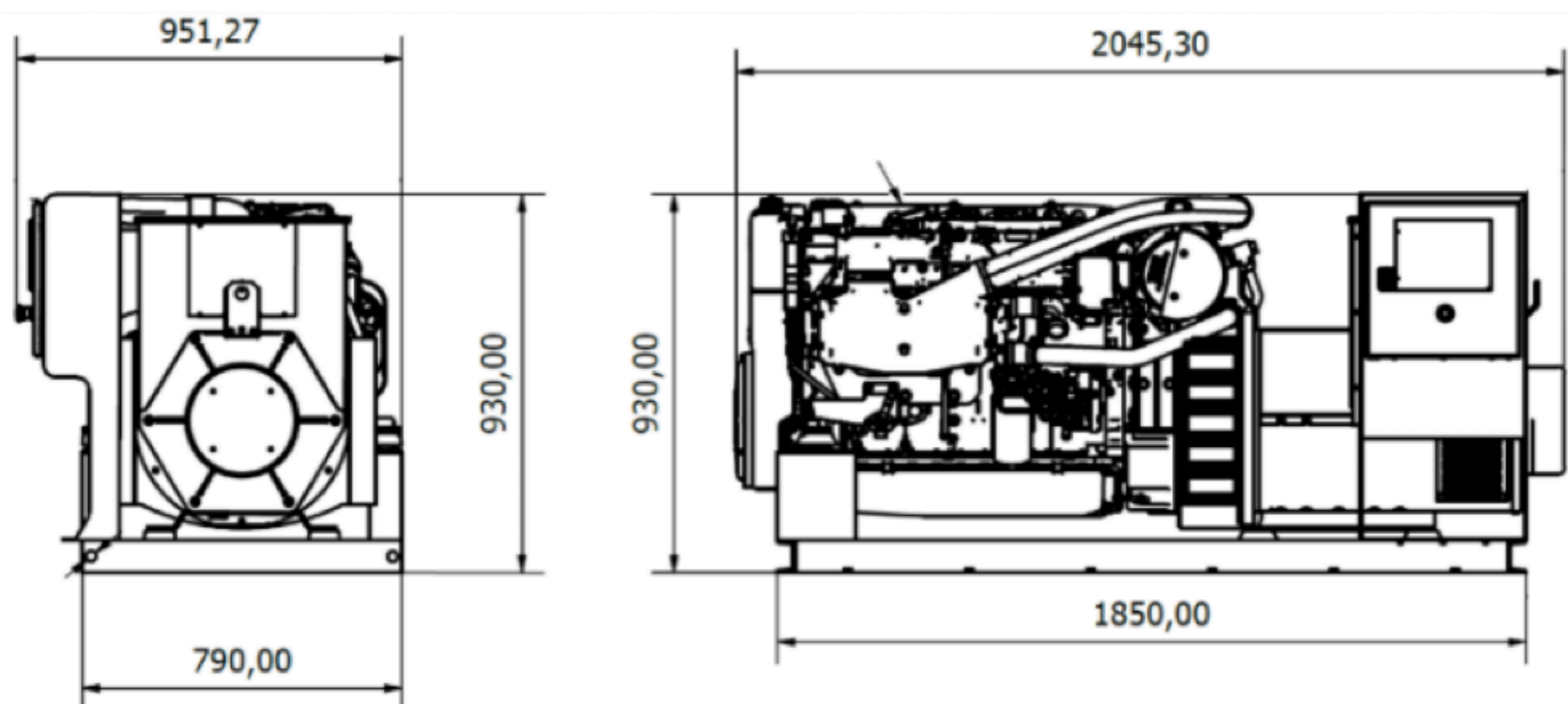
PRP

Maximum power (*)	KWm	129
At speed	Rpm	1500/1800
Specific fuel consumption (rated speed)	g/kwh	203@1500, 204@1800
Oil consumption at max rating	% of fuel cons.	0,25%
Oil and oil filter maintenance interval for replacement	Houres	600

*Net Power at flywheel according to ISO 8665, after 50 hours running, Fuel Diesel EN 590. Power tolerance 5%.

Dimensions

Length	(L) mm	2045 mm
Width	(W) mm	951 mm with generator panel mounted on skid, 790 mm without.
Height	(H) mm	930 mm



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Engine, specification and standard scope of delivery

Description	FPT IVECO
Engine model	N67ENTM17.90
Cylinders arrangement	6 L
Total displacement	6.70 L
Valve per cylinder	4
Cooling system	Liquid
Engine management	EDC (Electronic Diesel Controller)
Injection system	CR
Compression ration	16,5:1
Water charge tank	Included
Fuel filter	1-left side
Fuel prefilter	Included (loose)
Fuel pump	Included
Oil filter	1-right side
Oil sump	Aluminium
CCV (blow-by) filter	External, Rear
Air filter	Rear side
Turbocharger	Waste gate (water cooled) Turbo with aftercooler (TCA)
Painting color	White "ICE"
Cooling type	HE - Heat exchanger tube type / Keel cooling with seawater pump
Engine stop device	ECU
Wiring harness	2 poles, isolated to ground
Voltage	24 VDC electrical starting with insulated poles
Flywheel housing / size	SEA 3 / 11"1/2
RPM controll	ECU / Can-Bus

Generator, specification and standard scope of delivery

Type	Stamford UCM 274 G1
Control system	Seperately excited by PMG
AVR	MX 343
Protection	IP23
Insulation system	Class H
Winding / Rated power factor	311 / 0,8
Class - temp rise	Cont. H - 110/50°C
Flywheel housing / size	SAE 3 / 11"1/2
Paralell operation	Droop kit included
Anti condensation heater	Included
Winding temperature	Thermistors
Type Approved (TA)	Dnv, BV, ABS, GL, Rina

Control system and specification, standard scope of delivery

Controller	Deif AGC 150 Marine (TA)
Speed controller	ECU
Local emergency stop	Included
Remote access	Ready for intigration to vessel control and alarm system.
Analog and binary oil pressure	VDO
Analog and binary cooling water temperature sensor	VDO
Overspeed protection	Pick up unit to Deif AGC 150 Marine
Local reading of value	Actual cooling temp, oil pressure and rpm on local Deif AGC 150 Marine

Optional equipment.

Silencer	Dry without spark arrestor
Exhaust gas	Dry
Block heater	Water pre-heating coil
Winding and bearing temperature	PT 100 on request
Remote controller	Deif AGC 150 remote
Unmanned engineroom(E0/UMS) According to Dnv rules for classification Pt.6 Ch2.Sec2 1.6.2	Danfoss transmitter and sensors with test valve and test pocket for periodic test. Safety shutdown unit according to rules of classification
Injection pipe	Double wall injection pipe with collection tank
options	On request

Class society - Norwegian Maritime Authority (NMA)