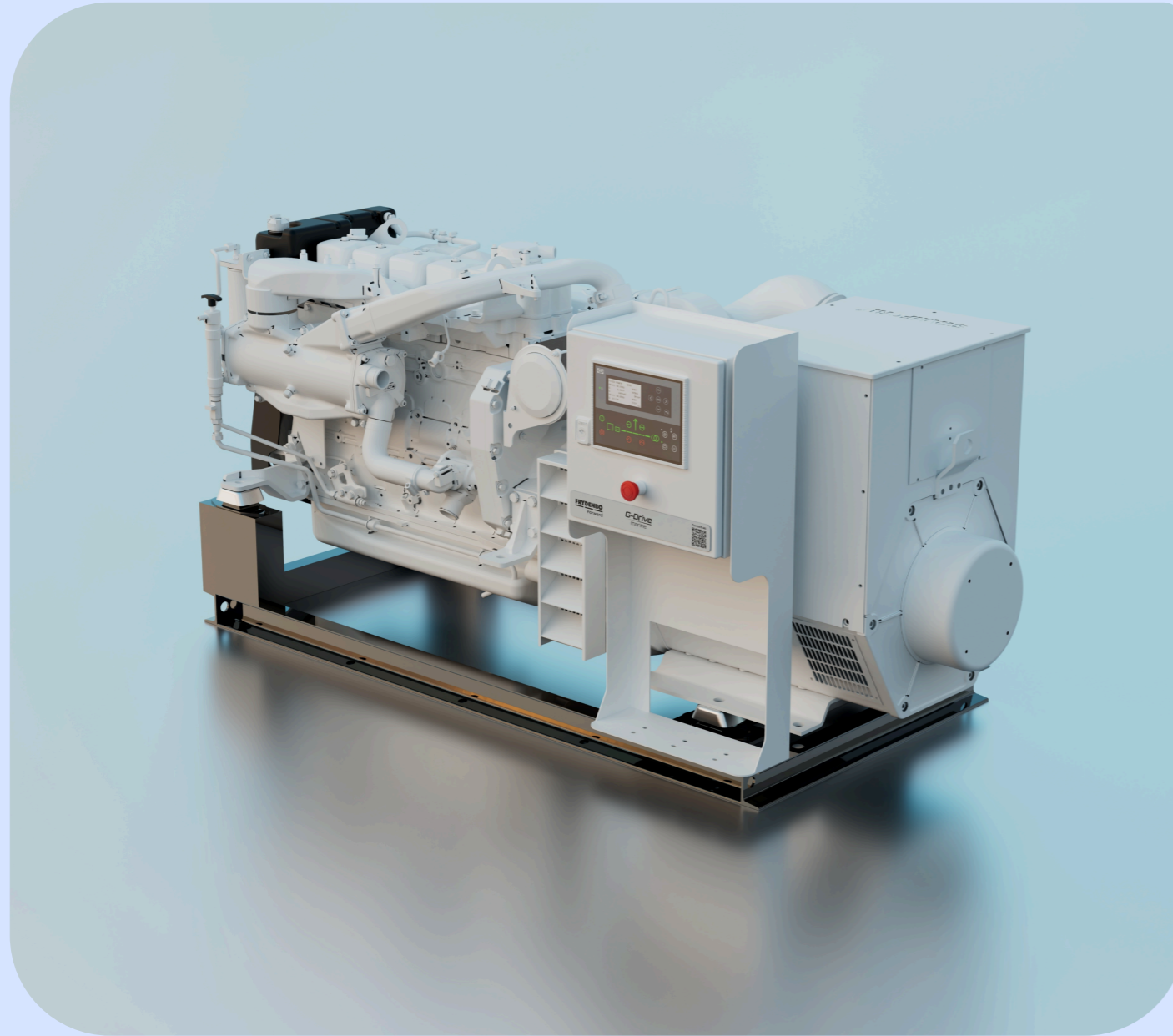


Datasheet: FFW 112.50M

112 KVA G-Drive Marine



Engine – FPT N67MNAM28.90

Generator – Stamford UCM 274 E1

Control system – Deif AGC 150 Marine



FFW 112.50M G-Drive Marine

- A complete genset delivered on a common bedframe.
- Engine and generator directly coupled together with SAE3 / 11,5 disc.
- Delivered according to customer requirement.
- Engine and generator with alarm and monitoring system on frame.

Main Features

Frequency / RPM	HZ / RPM	50 / 1500
Voltage	V	230/400
Prime rated power	KVA/ Kwe	*112 / 90
Stand By Power	KVA /Kwe	**124 / 99
Power factor	Cos Φ	0,8
Phace		3ph

*PRP Prime rated 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).

Rating type

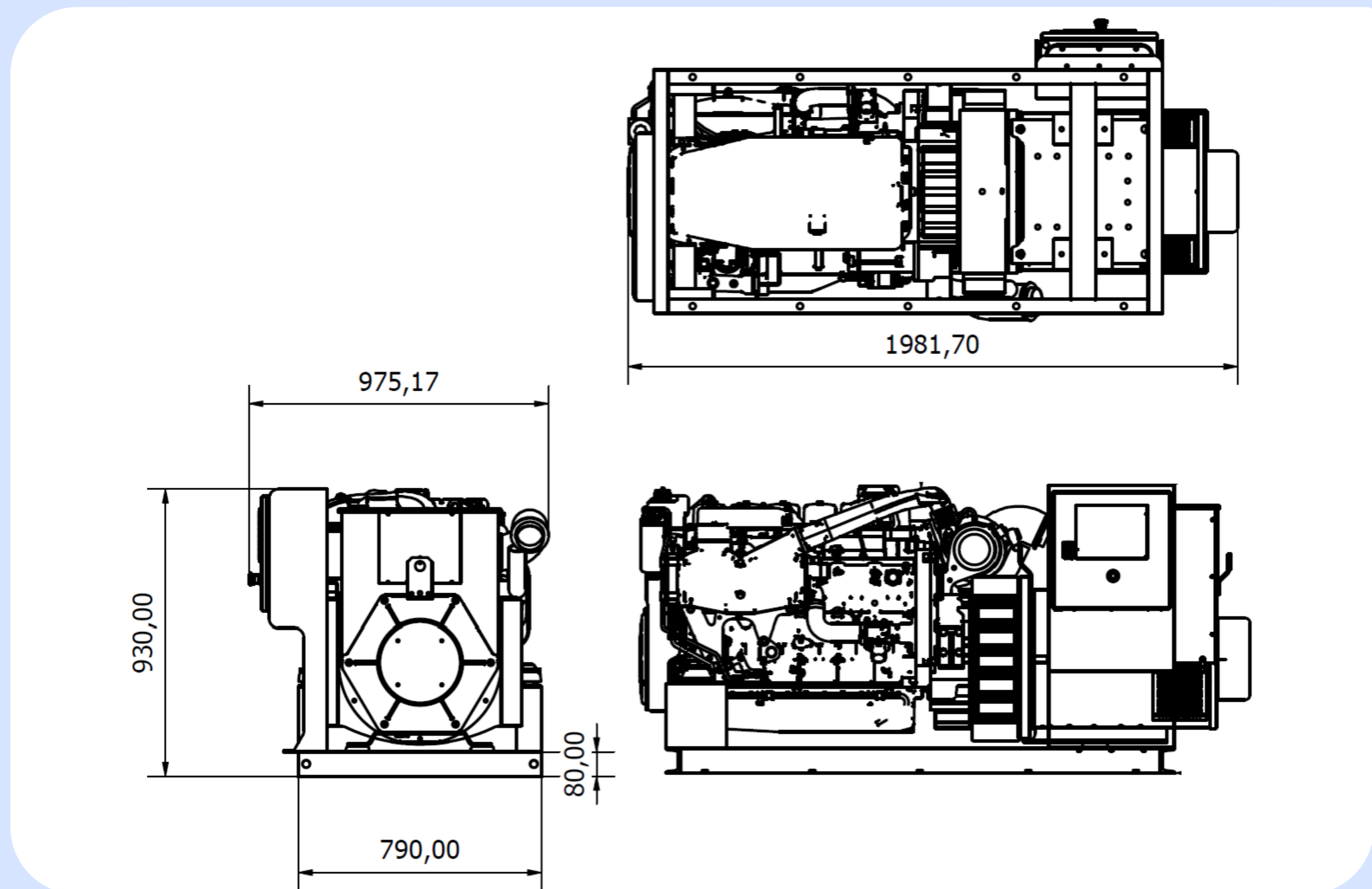
PRP

Maximum power (*)	KWm	99
At speed	Rpm	1500
Specific fuel consumption (rated speed)	g/kwh	214@1500
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	1982 mm
Width	(W) mm	975 mm with generator panel mounted on skid, 790 mm without
Height	(H) mm	930 mm
Dry weight	Kg	993



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Engine, specification and standard scope of delivery

Description	FPT IVECO
Engine model	N67 MNAM 28.90
Cylinders arrangement	6 L
Total displacement	6.70 L
Valve per cylinder	2
Cooling system	Liquid
Engine management	Mechanical
Injection system	M
Water charge tank	Included
Fuel filter	1
Fuel prefilter	Included (loose)
Fuel pump	Fuel pump with pre-setting kw 99 @ 1500
Oil filter	1
Oil sump	Sheet steel
Painting color	White "ICE"
Cooling type	HE - Heat exchanger tube type
Engine stop device	Electrical excitation (run coil)
Wiring harness	2 poles, isolated to ground
Voltage	24 VDC electrical starting with insulated poles
Flywheel housing / size	SAE 3 / 11"1/2
RPM controll	G.A.C 24 v electronic regulator, speed control unit ESD 5500
Tool kit	Iveco 4000
Homologation	IMO Marpol Tier 2, EU-IWV Stage IIIA

Generator, specification and standard scope of delivery

Type	Stamford UCM 274 E1
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	Drop 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	G.A.C 24 v electronic regulator, speed control unit ESD 5500
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
Local reading of value	Actual cooling temp, oil pressure and RPM on local Deif AGC 150 marine controller

Optional equipment.

Injection pipe	Double wall injection pipe with collection tank
KC – cooling type	Keel cooled, ready for box cooler
Exhaust elbow	Dry, with integrated flexible compensator
Silencer	Dry without spark arrestor
Winding and bearing temperature	PT 100 on request
Remote controller	Deif AGC 150 remote
Block heater	Water pre-heating coil
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

Class society - Norwegian Maritime Authority (NMA)