



GLISS (Royal Huisman)
DI-12 65M



ALEA (Vitters)
2x Scania DI16 080M



SVEA (Vitters)
DI13 081M MGX 5095 SC



RAGNAR (Icon Yachts)
Generator sets 1x OL 621 C - 1x OL 412 D



Haventerrein 1
1779 GS Den Oever
The Netherlands

T +31 (0)227 513 613
E sales@sandfirden.nl
I sandfirden.nl

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KNOWLEDGE
MAKES THE
DIFFERENCE.



LUXURY YACHTS

Only
the best
quality.



Precision, quality and a clean environment.

Sandfirden offers a range of marine engines that are suitable for propulsion or as generator sets in yachts. We supply these solutions in diesel-electric, emergency power or hybrid set-ups. Scania and AGCO Power engines are known for their compact and lightweight designs with a high power output, long service life and low fuel consumption. These features make them popular choices for yacht owners. By using an aftertreatment system developed in-house, we are able to deliver clean combustion and meet the highest environmental requirements. Sandfirden solutions are available with full certification in accordance with established classification authorities.

Generator sets in the most luxurious design

Sandfirden specialises in developing customised generator sets with capacities ranging from 60 to 750 kVA. Many different options are available depending on the power requirements and customer preferences. This means that engines and generator sets can be ordered in any colour. We also have custom-made sound absorbing enclosures and a double flexible set-up to reduce noise levels.

To simplify the installation, a plug-and-play solution with an installed aftertreatment, a particulate filter or heat recovery system is possible.



Guaranteed quality through extensive testing

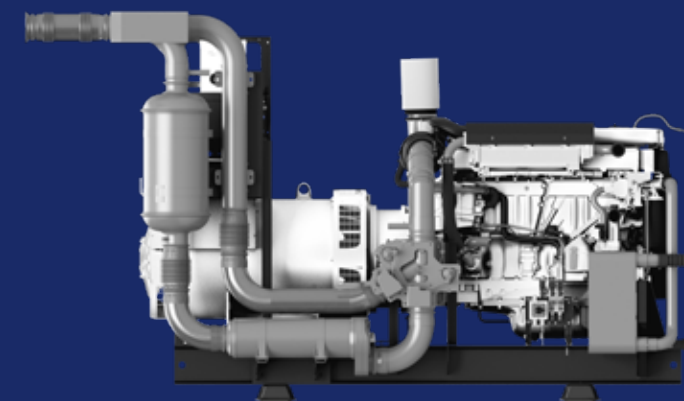
Before the generator sets and internal combustion engines are delivered, they undergo an extensive testing process at a modern testing centre. There, we are able to accurately simulate ship engine rooms and test cooling capacity, thrust load and electrical power. This is how we guarantee the highest quality for our products.

Custom solutions for every customer

At Sandfirden Technics, we understand that every customer has unique energy requirements. That is why we offer custom solutions that are the perfect match for the specific needs of our customers. Our team is on hand to help design, implement and maintain ideal energy systems. This is how we ensure reliable, flexible and cost-efficient solutions that meet every expectation.

Exhaust gas aftertreatment system

Scania IMO III engines use Selective Catalytic Reduction (SCR) technology to reduce nitrogen (NOx). We do this using adblue injection while an oxidation catalyst converts the exhaust gases into non-harmful exhaust gases. The engine and aftertreatment system communicate with each other, which allows the system to generate the ideal temperature. This ensures that the chemical reaction proceeds perfectly. Depending on the area, the three-way exhaust valve can be switched out in order to meet emission standards. This advanced system contributes to a clean and sustainable maritime environment.



Scania diesel engines

Propulsion units			
Engine type	Power range (hp)	Rotational speed (rpm)	Emission requirements
Scania DI09	220 - 400	1800 - 2100	IMO Tier II, EU Stage 3A
Scania DI13	220 - 900	1600 - 2300	IMO Tier II, IMO Tier III, US Tier 2, US Tier 3, EU RCD 2
Scania DI16	300 - 1200	1800 - 2300	IMO Tier II, IMO Tier III, US Tier 2, US Tier 3, EU RCD 2

Sandfirden diesel generator set

Oceanline			
Model	Engine type	Power range (kVA)	
		50 Hz	60 Hz
OLD 412	AGCO	60 -135	145
OLD 612	AGCO	150 - 210	230
OLD 521	Scania	230 - 310	230 - 380
OLD 621	Scania	310 - 500	330 - 500
OLD 821	Scania	500 - 630	550 - 750
Dependent on engine type: IMO Tier II, IMO Tier III, US Tier 2, US Tier 3, EU RCD 2			

Sandfirden methanol generator set

Model	Engine type	Power range (kVA)	
		50 Hz	60 Hz
OLM 621	Scania	230 - 250	275
OLM 821	Scania	310 - 380	380 - 425
Dependent on engine type: IMO Tier II, IMO Tier III			

