Information Required for Fuel & Emission Saving Assessment

In order to supply you with a bespoke assessment of the potential savings for your vessel or fleet, please complete the information below. You should complete one form for each ship you would like assessed. Once complete, email the form and requested documents to sales@anemoimarine.com.

For a preliminary analysis (high level assessment at the Vessel Design Speed, Summer Load Draft) please complete sections 1 and 2 only.

For a full analysis (more detailed assessment at 2 Operational Speeds, Ballast and Summer Load draft), please complete sections 1, 2 and 3.
If you'd also like an assessment of EEDI or EEXI, fill out section 4.

Please note that sections 1, 2 and the items in **bold** for sections 3 & 4 are mandatory.

1. Company Information

Company

Email Address

Contact Name

Telephone Number

2. Preliminary Analysis

a. Basic Vessel Data

Installation Type Newbuild

Delivery date / Next survey or special survey date

Vessel Name

Air Draft Limit[1] m

IMO Number

Summer Load Draft m

Fuel Type

Lightship tonnes

Vessel Type

Deadweight (dwt)

Moulded depth (m)

Length between perpendiculars (m)

Beam (m)

b. Routes Sailed During Year

	Port A	to	Port B	Comments e.g. strait vessel goes through
Route 1				
Route 2				
Route 3				
Route 4				
Route 5				

c. Technical Information *Values at Vessel Design Speed, Summer Load Draft*

Vessel Design Speed kts

Main Engine Brake Power kW

Main Engine SFC g/kWh

Total Efficiency [2]

Generator SFC g/kWh

d. Technical Documents *Please supply the following documents*

General Arrangement Drawing

Footnotes:

1 *Air draft limit imposed by operations (e.g. Bridges, Loaders) above vessel baseline, if any.*

2 *Effective (Towing) Power/ Main Engine Brake Power*

3. Full Analysis

a. Client Analyses Requested

Default settings are entered below, but can be changed

	Slow Steaming Case		Fast Steaming Case	
Analysis Speed kts				
Condition				
Draft m				
Typical Consumption t/day				
Main engine power (kW)				

b. Further Technical Information

Main Engine Model Name	
Main Engine MCR Power kW	
Number of Auxiliary Generators	
Size of Auxiliary Generators kW	
Electrical Sea Load kW	
Shaft Generator	Yes
Shaft Generator Size kW (if any)	
Propeller Diameter	
Thrust deduction coefficient t	
Wake fraction coefficient w	
Rudder area(m^2)	
Rudder aspect ratio	
Displacement ballast (dwt)	
Displacement design (dwt)	
Displacement scantling (dwt)	

c. Further Technical Documents

Please supply the following documents, in addition to the GA as per previous section. The more documents you send, the more accurate our assessment.

Midship Section Drawing

Vessel Speed vs. Main Engine power curves (ballast and scantling)

Propeller Speed vs. Main Engine power curve

Main Engine SFC vs. Main Engine power curve

Generator SFC vs. Generator power curve

Propeller curves (K_T, K_Q, open water efficiency)

EEDI Certificate

Power Balance

d. Additional Information

Please supply any additional relevant information

4. EEDI/EEXI Assessment

To perform an EEDI and/or EEXI assessment we require the following information about the vessel. Please provide the data that was used to calculate the vessel's EEDI value

a. Case Vessel Details

Calculated EEDI Value

Speed V_{ref} kts

Deadweight tonnes

b. Main Engine Data

Maximum Continuous Rating MCR_{ME} kW

Power P_{ME} kW

Type of Fuel (e.g. Diesel Oil)

Specific Fuel Consumption SFC_{ME} g/kWh

Conversion Factor between Fuel Consumption and CO2 Emission C_{FME}

c. Auxiliary Engine Data

Power P_{AE} kWh

Type of Fuel (e.g. Diesel Oil)

Specific Fuel Consumption SFC_{AE}

Conversion Factor between Fuel Consumption and CO2 Emission C_{FME}

d. EEDI Correction Factors *Where applicable, will be assumed to be 1 if not provided*

Correction Factor *fj*

Cubic Capacity Correction Factor *fc*

Type of Fuel (e.g. Diesel Oil)

Crane Correction Factor *fl*

Factor for Speed Reduction at Sea *fw*

Capacity Factor for Technical/Regulatory Limitation on Capacity *fi*

Thank You

Please send the completed form and associated documents to sales@anemoimarine.com or submit via our website.
We'll be in touch soon!