

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

Delivery date / Next survey or special survey date

Vessel Name

Air Draft Limit¹ m

IMO Number

Summer Load Draft m

Fuel Type

Lightship tonnes

Vessel Type

Deadweight (dwt)

Moulded depth (m)

Length between perpendiculars (m)

Beam (m)

Assumed number of sailing days

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 <small>kts</small>				
Condition				
Draft <small>m</small>				
Typical Consumption <small>t/day</small>				
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

Shaft Generator Size kW (if any)

Propeller Diameter

Thrust deduction coefficient t

Wake fraction coefficient w

Rudder area(m²)

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 f_j

Cubic Capacity Correction Factor f_c

Type of Fuel (e.g. Diesel Oil)

Crane Correction Factor f_l

Factor for Speed Reduction at Sea f_w

Capacity Factor for Technical/Regulatory
Limitation on Capacity f_i

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!