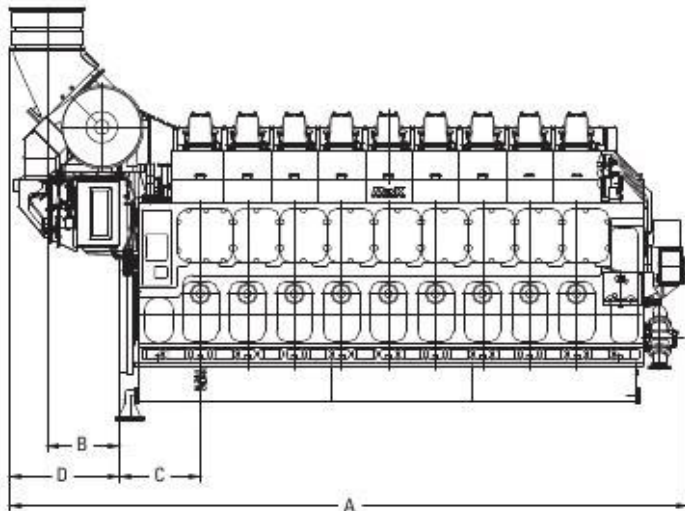


M46 DF Technical Data

		Diesel Mode	Gas Mode
Emission		IMO II	IMO III
Bore	mm	460	460
Stroke	mm	610	610
Speed	rpm	500/514	500/514
Power	kW/cyl.	900	900 (MN ≥ 80)
BMEP	bar	21.3/20.7	21.3/20.7
Liquid fuel consumption	g/kWh @100%	186	1.9
Gas fuel consumption	kJ/kWh @100%		7,200
Efficiency (development target)	%	45.0	50.0

Without engine driven pumps. Tolerance for SFQC and efficiency +/- 5%.



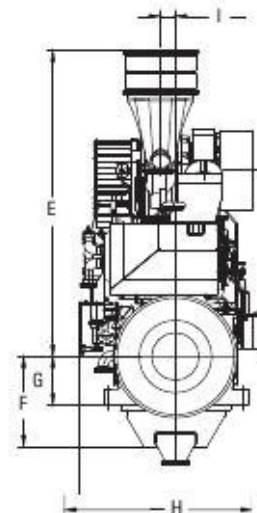
Propulsion Engine Dimensions (mm) and Weights (t)										
Engine	A	B	C	D	E	F	G	H	I	t
6 M 46 DF	8271	1086	1255	1638	4258	1396	750	2878	215	94
7 M 46 DF	9068	1119	1255	1704	4749	1396	750	2878	232	107
8 M 46 DF	9798	1119	1255	1704	4749	1396	750	2878	232	114
9 M 46 DF	10528	1119	1255	1704	4749	1396	750	2878	232	127

Operational simplicity and engine characteristics:

- Key attributes of the M 46 DF are class leading efficiency and loading capacity as well as the operational simplicity which is supported by a fully automated engine control.
- Fast service access as well as service and maintenance simplicity are supported by a modular engine design concept and the monitoring and diagnostic system.
- Operation on natural gas with min. methane number of 55 possible at reduced load.
- Supports HFO operation according to CIMAC H55/K55 in diesel mode.

Excellent support:

- Global application and installation support for engine and gas system periphery.
- Operator and technician training.
- Strong, global product support network with Marine focus.



Data

Conversion of M 43 C to M 46 DF engines are supported by similar dimensions and system interfaces.

All mentioned data is preliminary!

