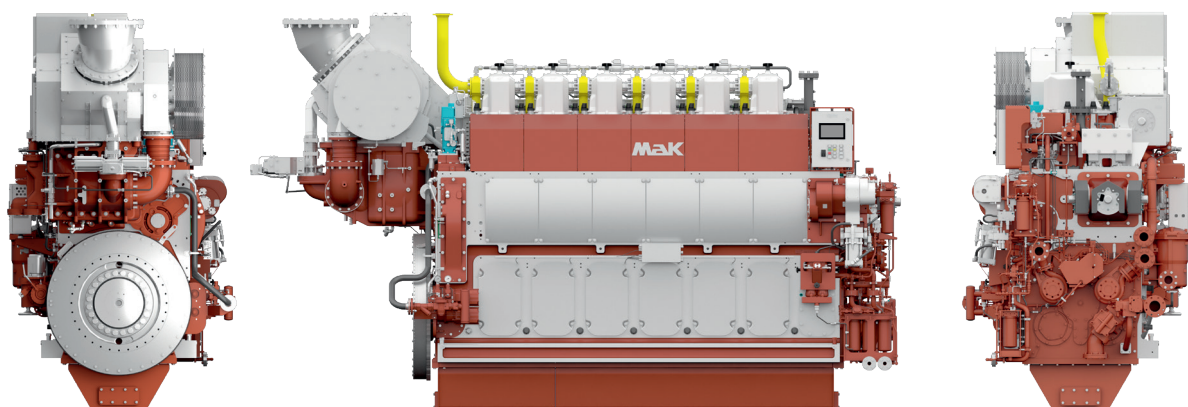


M 34 DF

Marine Propulsion Engine
6 • 8 • 9 Cylinder

KEY FEATURES AND BENEFITS

- Lowest emissions combined with highest efficiency and reliability
- Gas start capability eliminates diesel emissions
- Low amount of methane slip due to optimized combustion control
- Extreme fuel efficient and low load capability below 12%
- Modular Alarm and Control System (MACS) for safe and easy operation
- Reliable and steady speed regulations even in heavy weather and breaking seas
- Modular engine design for simplified service and maintenance



ENGINE SPECIFICATIONS

Pictures shown are for illustration purpose only.
Actual product may vary due to product enhancement.

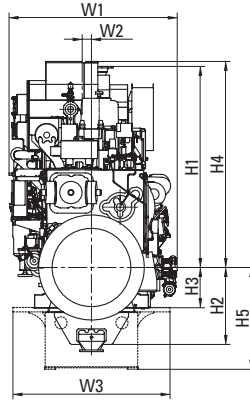
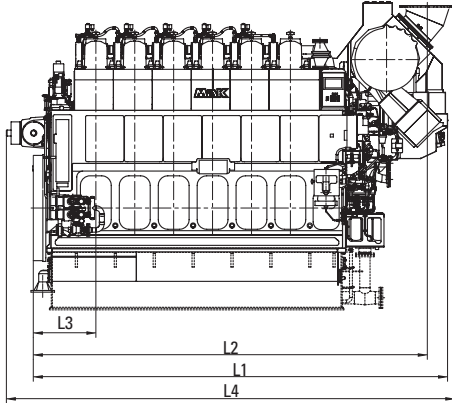
Emissions	IMO Tier III in gas mode, in diesel mode with optional SCR system	
Fuel	LNG (MDO or HFO backup)	
Power Range	3,180–4,950 kW 4,324–6,730 mhp	
Speed Range	720/750 rpm	
Aspiration	Turbocharged	
Bore	340 mm	13.40 in
Stroke	460 mm	18.11 in
Rotation	Counterclockwise/clockwise from flywheel end	
Configuration	In-line / 6, 8, 9 cylinder	
Swept Volume	42 l/cyl	2,563 in ³

MAK

TECHNICAL DATA – PROPULSION ENGINE

Dimensions (mm) and Weights (t)

Type	L1	L2	L3	L4	H1	H2	H3	H4	H5	W1	W2	W3	Weight
6 M 34 DF	6079	5366	852	6109	2767	1052	550	2817	1392	2303	126	2140	39.5
8 M 34 DF	7139	6533	852	7325	2970	1052	550	2995	1392	2303	191	2140	49.0
9 M 34 DF	7669	7063	852	7855	2970	1052	550	2995	1392	2303	191	2140	52.0



Type	Output range		Speed rpm	Mean eff. pressure bar	Mean piston speed m/s	Spec. fuel consumption (Diesel mode)		Total spec energy consumption (Gas mode)	
	kW	mhp				100%	85%	100%	85%
6 M 34 DF	3180	4324	720	21.2	11.0	183/183	7450/7620		
	3300	4487	750	21.1	11.5	186/186	7560/7730		
8 M 34 DF	4240	5765	720	21.2	11.0	183/183	7450/7620		
	4400	5983	750	21.1	11.5	186/186	7560/7730		
9 M 34 DF	4770	6486	720	21.2	11.0	183/183	7450/7620		
	4950	6730	750	21.1	11.5	186/186	7560/7730		

Maximum continuous rating according to ISO 3046/1.

Stroke: 460 mm
Bore: 340 mm

Engine centre distance: 2800 mm

Removal of cylinder liner:
in transverse direction: 3040 mm
in longitudinal direction: 3400 mm

Engine with turbocharger at free end available, ask for dimensions.

Please contact us for lead times.

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