

# Engines and around the engine

## M-Line

# M2.13

● ● 8.8 kW / 12 HP

Supplied as standard with instrument panel type MPA10 (see page 139), four flexible engine mounts type KSTEUN25V (see page 50) and a pre-installed oil sump pump.



## TECHNICAL SPECIFICATIONS

\* Not available in the United States.

Engine model	M2.13	
Max. output at flywheel (ISO 8665)	8.8 kW (12 hp)	
Max. output at propeller shaft (ISO 8665)	8.7 kW (11.8 hp)	
Maximum rpm	3000	
Max. torque	32.7 Nm / 1600 rpm	
Bore x stroke	76 mm x 70 mm	
Displacement	635 cm <sup>3</sup>	
Number of cylinders	2 in line	
Combustion system	indirect injection	
Compression ratio	23:1	
Firing order	1-2	
Intake	naturally aspirated	
Electrical system	12 VDC - 85 Amps.	
Cooling system (standard)	indirect cooling (keel cooling optional)	
Gearbox, standard	TMC40 (2 / 2.60:1)	
Gearbox options	ZF12M 2.14 / 2.63:1 ZF15MIV 2.13 / 2.99:1 TMC60A 2 / 2.5:1	
Saildrive	SP60 2.15 / 2.38:1	
Dry weight (incl. std. gearbox)	107 kg	
Fuel consumption at 2500 rpm	268 g / kW.h (196 g / hp.h)	
Max. backwards installation angle	15°	
Max. lateral inclination angle;	Continuously	25°
	5 minutes max.	30°
Suction height of fuel lift pump	1.5 m	
Calorifier connection kit	optional	
Instrument panel (standard)	MPA10	
Warning lights and audible alarm	oil pressure, temperature (coolant and exhaust), charging current	
Control light for	pre-heating/glow plugs	
Electric circuit protection	fuse 20 Amps.	
Certifications	EU-RCD II, BSO II	

