



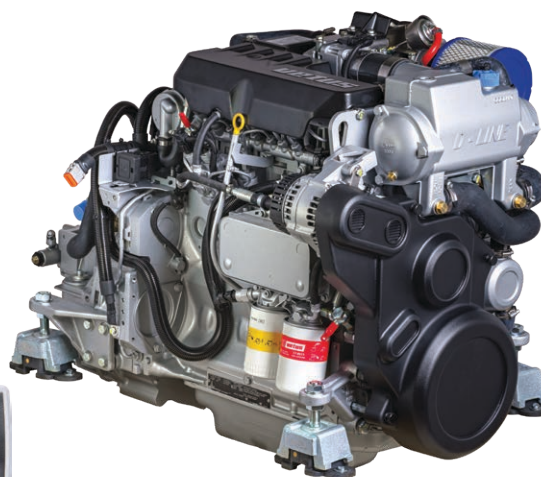
D-Line

VD4.120

● ● ● ● 90 kW / 122 HP

DI diesel / 4 stroke / 4 cyl. in line / turbo-charged
aftercooled / common rail / EMR 3

Supplied as standard with instrument
panel type MPA34CANBS2
(see page 140) and four flexible
engine mounts type LMX140
(see page 51).
Fuel filter/water separator type
340VTEB including water sensor.

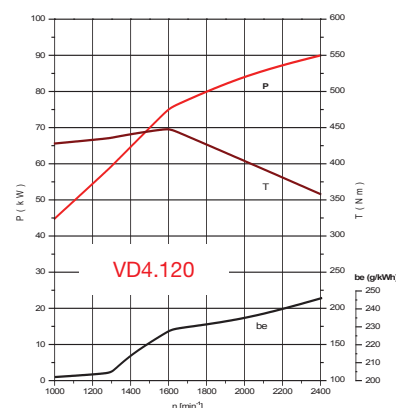
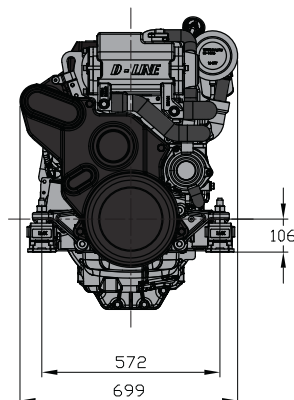
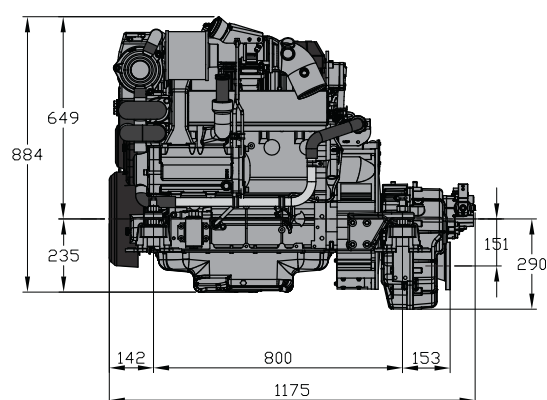


TECHNICAL SPECIFICATIONS

* Not available in the United States or Canada.

Engine model	VD4.120
CAN bus	SAE J1939
Max. output at flywheel (ISO 8665)	90 kW (122 hp)
Max. output at propeller shaft (ISO 8665)	86 kW (117 hp)
Maximum rpm	2400
Bore x stroke	101 mm x 126 mm
Capacity	4040 cm ³
Number of cylinders	4 in line
Cooling system	intercooling (keelcooling n.a.)
Compression ratio	18:1
Firing order	1-3-4-2
Alternator	12 VDC - 160 Amps. 24 VDC - 60 Amps.
Optional second alternator	12 VDC - 160 Amps. 24 VDC - 60 Amps. 24 VDC - 75 Amps. ACR regulator (WP)
Torque	449 Nm / 1600 rpm
Idle speed	800 rpm
Fuel consumption at max. rpm	235 g / kW.h
Gearbox (standard)	ZF45
Ratio	2.2 / 2.51 / 3.1

Gearbox (optional)	ZF45A 1.26:1 / 1.51 / 2.03 / 2.44:1 ZF68IV 1.29 / 1.56 / 1.99 / 2.47:1
Dry weight (incl. standard gearbox)	532 kg
Fuel lift pump	1.5 m
Max. installation angle (backwards)	15°
Max. athwartship angle (continuously)	30°
Calorifier connection kit	optional
Electric oil drain pump	standard
P.T.O. flange to install hydr. pump	optional
Instrument panel	MPA34CANBS2
Instruments	Key switch, tacho meter/hour counter, volt meter, oil pressure gauge, temperature gauge
Acoustic alarm	Oil pressure, temperature, charging current fresh and raw water
Electric circuit protection	Resettable circuit breaker
Certification	2013/53/EU RCD II



Certified within 5%