

N1.7 Engine

5.2 kW (7 hp) at 3600 rpm

nammdiesel
energy in blue

Technical information

Single cylinder four stroke diesel engine, water cooled with direct injection system, save manual start with starting handle or electric starter motor, alternator in flywheel house, excess fuel device, automatic decompression, self-venting fuel system, mechanical speed governor, lubricating oil gear pump, oil filter, intake silencer or dry type air cleaner, fuel filter, water cooled exhaust elbow, cooling water pump, cooling water thermostat, crankcase of high tensile light alloy, crankshaft / con rod bearing: plain bearings on all except flywheel end (roller bearing), cast integral engine feet, power take of flywheel end, environmentally friendly by using internal crankcase breathing and valve stem seals.

Standard scope of supply

Intake silencer, fuel lift pump, fuel filter, electric starter motor, alternator, solenoid valve (normally open), deep oil sump (max. inclination 20°), oil pressure switch, cooling water pump, cooling water thermostat, cooling water temperature switch, gearbox ZF 10M, base frame with flexible engine mounts, crank handle (rigid), operator's manuals for engine and gearbox.

Accessories

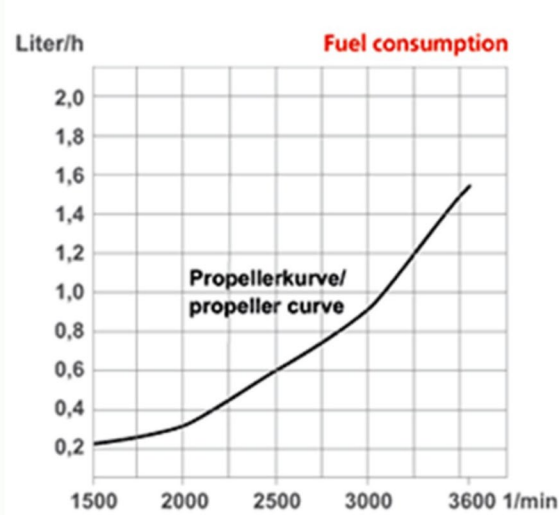
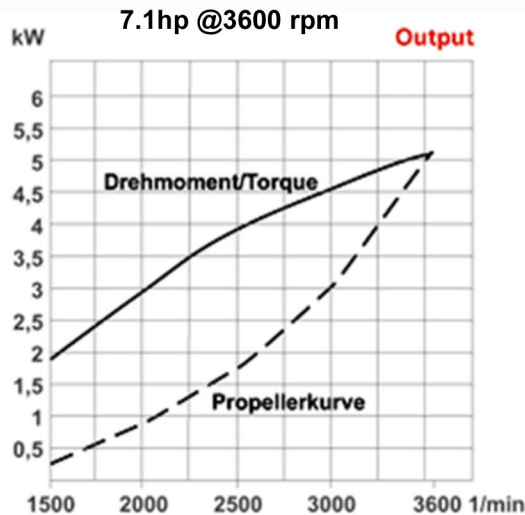
Dry type air cleaner, monitoring panel, oil drain valve.

IFN-ISO

Blocked power output for intermittent loads.

Derating

Derating 1% approx. every 100 m altitude and 2% approx. every 5°C above 20°C. Ratings certified within tolerance of 5% after running-in and operation with muffler and standard air cleaner.



Configuration		vertikal
Number of cylinders		1
Direction of engine rotation		anticlockwise
Cooling		water
Max. output (at 3600 rpm)		
IFN-ISO	kW (HP)	5.2 (7.1)
Max. speed	min ⁻¹	3600
Max. torque	Nm (min ⁻¹)	15.3 (2500)
Bore	mm	82
Stroke	mm	55
Displacement	cm ³	290
Mean piston speed	m/s	6.6 / 3600
Compression ratio		20:1
Oil sump capacity	l	1.2
Oil consumption	g/kWh	1
Dry weight (engine with gearbox)	kg	64
Cooling water requirement	l/min	7 - 8
Electric starter motor	Volt	12
Charging alternator	Volt / Watt	12 V / 160 W
Gearbox		ZF10
Gear ratio		2:1 - 2,7:1
Max. inclination (along)	permanent	20°
Max. heel (continuous)		27°