#### **General Engine Data:**

Type Aspiration Cylinder arrangement No. of Cylinders Bore Stroke	Four stroke, Dies Turbocharged ar In-line 6 130 140	•
Displacement Compression ratio Dry weight	11.63 16 : 1 1050	liter kg

#### Performance Data

1
า
า
า + 10%
า + 10%

Idling speed	550	rpm
Max. overspend capacity	2300	rpm

### **Engine mounting**

Max. bending moment at face of flywheel housing	1000	Nm
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### Air inlet system

Max	allowable inlet air restriction	5.0	kPa

#### Exhaust system

Max. allowable back pressure	9.0	kPa
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#### Lubricating system

Oil pressure at idle		65	kPa
Oil pressure at rated spee	d	350	kPa
Maximum oil temperature		115	°C
Oil pan capacity (high leve		25	Liter
Oil pan capacity (low level	j)	17	liter
Total capacity	•	29	liter
Max. installation angle	Front Up	4.5	0
•	Front Down	0	0
Max. Operating angle	Front Up	35	0
(steel sump)	Front Down	35	0
, , , , , , , , , , , , , , , , , , , ,	Side to Side	35	0

### Cooling system

Coolant capacity (engine only)	25	liter
Max. external friction head at engine outlet	75	kPa
Standard thermostat range	78-90	°C
Max. allowable coolant temp. at engine outlet	100	°C
Max. allowable pressure cap	70	kPa
Max. recommended coolant temp. at engine outlet	90	°C
Min. coolant expansion space	10	%

# Fuel system

Fuel Injection Pump Type	Bosch P6 pump + RQV(K)
Firing Order	1-5-3-6-2-4

# Starting system

Battery charging alternator	55	Ah
Starter motor capacity	5.4	kW
Recommended min. battery capacity	160	Ah

### **Accessory Equipment**

Air cleaner	Dry type
Exhaust manifold	Water cooled
Turbocharger	Water cooled
After Cooler	Raw water cooled
Sump breather	Closed type
Governor (propulsion)	Mechanical (+/- 8 % droop)
Governor (auxilary)	" (+/- 5 % droop)
Fuel Injection Pipe	Single tube
Fuel injection pipe (option)	threathed
Fuel Filter	Single element
Fuel filter (option)	Change-over
Lubricating oil cooler	Pipe cooler
Lubricating oil filter	Single element
Lubricating oil filter (option)	Change-over
Oil sump	Steel
Oil sump (option)	Aluminium
Fresh Water Cooling Pump	Engine driven
Raw water pump (option)	Engine driven

# Accessory Equipment (second part)

Starter Alternator Stop Solenoid (propulsion) Stop solenoid (auxilery) Engine support Accessory Drive (two v-belts)	Earth Float Type Earth Float Type ETS ETR Standard Option
Accessory Drive (two v-belts)  Accessory Drive (two v-belts and in-line power take off)	Option

# Accessory Equipment (Loose supply)

Tools

Bearing over tool

PAGE 3