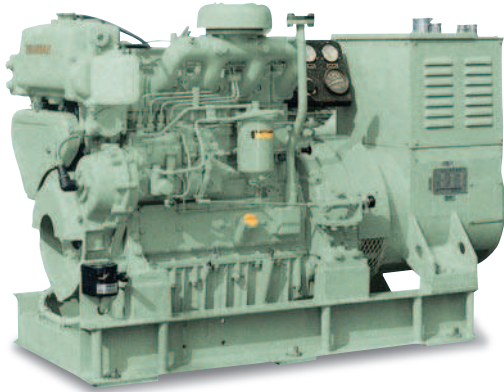


# 4CHL series

MARINE  
AUXILIARY  
DIESEL ENGINE

38~74hp / 1500~1800rpm  
30~60kVA (24~48kW)



- 4-cylinder, direct injection.
- Natural aspirated or turbocharged.
- Type approved by BV.

## Specifications

TNA is not Type approved.

Model	4CHL-N	4CHL-TN	4CHL-TNA
Number of cylinders	In-line 4		
Bore × stroke	mm 105 × 125		
Displacement	lit. 4.33		
Continuous rated engine speed	1500 1800	1500 1800	1500 1800
Continuous rated output	hp 38 50	50 62	62 74
Applicable generator capacity	kVA(kW) 30 40 (24) (32)	40 50 (32) (40)	50 60 (40) (48)
Frequency	Hz 50 60	50 60	50 60
Combustion system	Direct injection		
Aspiration	Natural aspiration	Exhaust Turbocharger	
Dry weight (Engine only)	kg 500	520	520
Dry weight (Gen. set)	kg 990	1040	1090

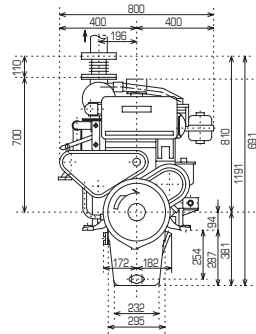
## Accessories

- Instrumental panel (attached to engine)
- Cooling system : Rubber impeller type sea water pump / Centrifugal type fresh water pump / Heat exchanger / Fresh water reservoir / Thermostat for fresh water / Emergency use sea water inlet
- Lubrication system : Lubrication oil pump / Lubrication oil cooler / Lubrication oil filter (Single type)
- Fuel system : Paper filter type fuel strainer / Drain separator to be mounted on vessel
- Turbocharging system : Exhaust gas outlet expansion joint from engine (TNAI)
- Electrical equipment : Starter motor (DC24V) 4.0kW / Battery switch / 2 pole wiring
- Thermometer : Exhaust gas at outlet of each cylinder (N) / Exhaust gas at inlet of turbocharger (TNAI) / Cooling water outlet / Lubrication oil at cooler inlet

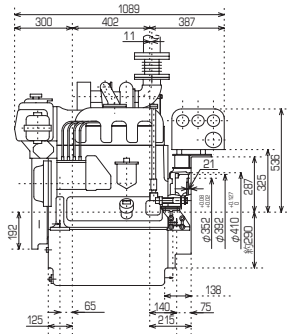
## Dimensions Unit:mm

Engine only (4CHL-TN)

Front view



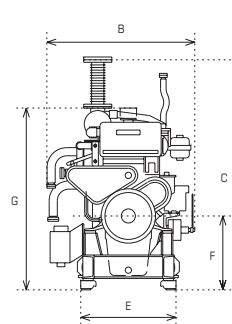
Left side view



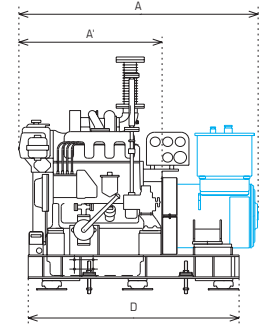
## Generator set dimensions for your reference Unit:mm

Generator set dimensions shown below depend on generator model

Front view



Left side view



G : Minimum Height for Removing Piston ( Not included the dimension for bolt fitting to piston remove. )

Model	A	A'	B	C	D	E	F	G
4CHL-N	1552	917	947	1351	1350	610	473	1164
4CHL-TN	1532	917	947	1173	1350	610	473	1164
4CHL-TNA	1572	917	947	1173	1420	610	473	1164

— Generator