

SPECIFICATIONS

| | |
|--|------------------------------------|
| Thermodynamic cycle | Diesel 4 stroke |
| Air Feeding | TCA |
| Cylinders arrangement | 6L |
| Bore x Stroke | millimeters 117 x 135 |
| Total displacement | liters 8.7 |
| Valves per cylinder | number 4 |
| Cooling System | liquid |
| Direction of Rotation (viewed facing flywheel) | CCW |
| Engine management | by EDC (Electronic Diesel Control) |
| Injection System | CR |

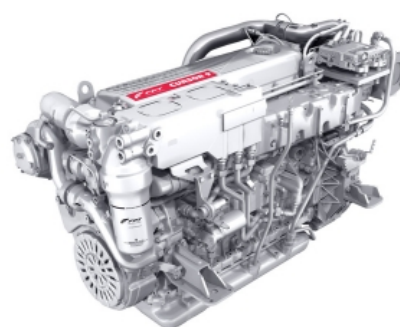
STANDARD CONFIGURATION

| | | |
|--|--|------------------------------------|
| Flywheel housing | type | SAE 1 |
| Flywheel size | inch | 14" |
| Air filter | | rear side |
| Turbocharger | Waste Gate (water cooled) Turbo with Aftercooler (TCA) | |
| Heat exchanger | | tube type |
| Exhaust gas water mixer - Exhaust cooled elbow | | - |
| Water charge tank | | included |
| Fuel filter | number | 1 - right side |
| Fuel prefilter | | included (loose) |
| Fuel pump | | 1 - gear driven |
| Oil filter | number | 1 - left side |
| Oil sump | | aluminium |
| Oil vapours blow-by circuit | | included |
| Oil heat exchanger | | included |
| Oil filler | | by cylinder head cover |
| Starter | | 24V - 5.5kW |
| Alternator | | 28 V - 90 A |
| Engine stop device | | by electronic central unit |
| Wiring harness | | with negative to ground connection |
| Painting color | | white "ICE" |

WEIGHT AND DIMENSIONS

| | | |
|------------------------|----|------------------|
| Dimensions (L x W x H) | mm | 1312 x 863 x 973 |
| Dry Weight | Kg | 940 |

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

ELECTRICAL SYSTEM

| | | |
|---------|---|----|
| Voltage | V | 24 |
|---------|---|----|

NOT INCLUDED IN STANDARD CONFIGURATION

| | | |
|--|----|--------|
| Battery - minimum capacity recommended | Ah | 120 Ah |
| Battery - minimum cold cranking capacity recommended | Ah | 900 Ah |

Do you want to know more?

LEGEND

| Arrangement | Air Handling | Turbocharger | Injection System | Exhaust System |
|-------------|--|----------------|---|--|
| L (in line) | TC (Turbocharged) NA (Naturally Aspirated) TCA (Turbocharged with aftercooler) | WG (Wastegate) | M (Mechanical) CR (Common Rail) MPI (Multi Point Injection) | EGR (Exhaust Gas Recirculation) SCR (Selective Catalytic Reduction) |

A1 High Performance Crafts. Full throttle operation restricted within 10% of total use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 300 hours per year.
A2/B1 Pleasure Commercial Vessels. Full throttle operation restricted within 10% of total use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 1000 hours per year.

B Light Duty: Full throttle operation restricted within 10% of use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 1500 hours per year.
C Medium Duty: Full throttle operation < 25% of use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 3000 hours per year.
D Heavy Duty

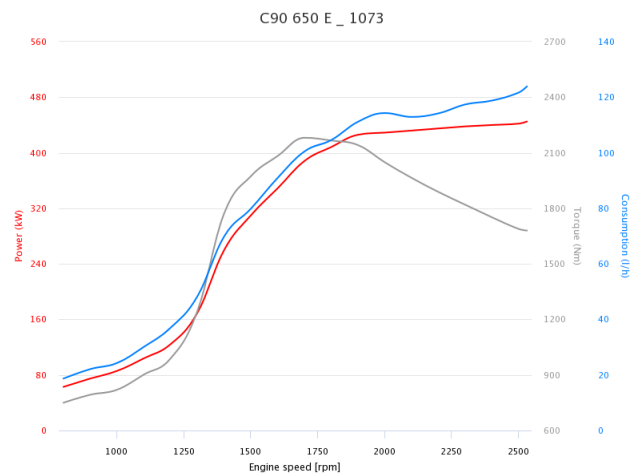
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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE



| RATING TYPE | | B1 |
|--|-------------------|-----------|
| Maximum power [*] | kW (HP) | 445 (605) |
| At speed | rpm | 2530 |
| Maximum no load governed speed at max rating | rpm | 2700 |
| Minimum idling speed | rpm | 600 |
| Mean piston speed at rated speed | m/s | 11.4 |
| BMEP at max power | bar | 24 |
| Specific fuel consumption (best value) | g/kWh @ rpm | 218 |
| IMO Marpol Tier 2 (IMO Annex VI Technical Code 2008) | | ✓ |
| RCD Stage 2 (2013/53/EC) | | - |
| IWV Stage V (EU 2016/1628) | | - |
| EPA Tier 3 Commercial | | ✓ |
| EPA Tier 3 Recreational | | - |
| China GB I (GB15097-2016) | | - |
| China GB II (GB15097-2016) | | ✓ |
| Oil consumption at max rating | (% of fuel cons.) | = 0.2 |
| Minimum starting temperature without auxiliaries | °C | -10° |
| Oil and oil filter maintenance interval for replacement | hours | 300 |
| * Net Power at flywheel according to ISO 8665, after 50 hours running, Fuel Diesel EN 590. Power tolerance 5%. | | |

POWER & TORQUE



COMMERCIAL

LEGEND

| Arrangement | Air Handling | Turbocharger | Injection System | Exhaust System |
|-------------|--|----------------|---|--|
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