

## Mid Engine Range - Specifications

4 cylinders with high inertia flywheel for smooth running at low rpm.

Heater plugs for cold starting below 5°C, fuel filter, **MECHANICAL** fuel lift pump, **MECHANICAL** fuel injection pump and **MECHANICAL** engine governing ensures steadfast performance regardless of ambient conditions.

**QUIET GEAR DRIVEN CAMSHAFT** for maximum engine reliability and reduced servicing, as no timing chains or toothed belts have to be replaced.

Subject to criteria, Kubota based engines accommodate installation angles up to 15° maximum when static and 25° when heeling.

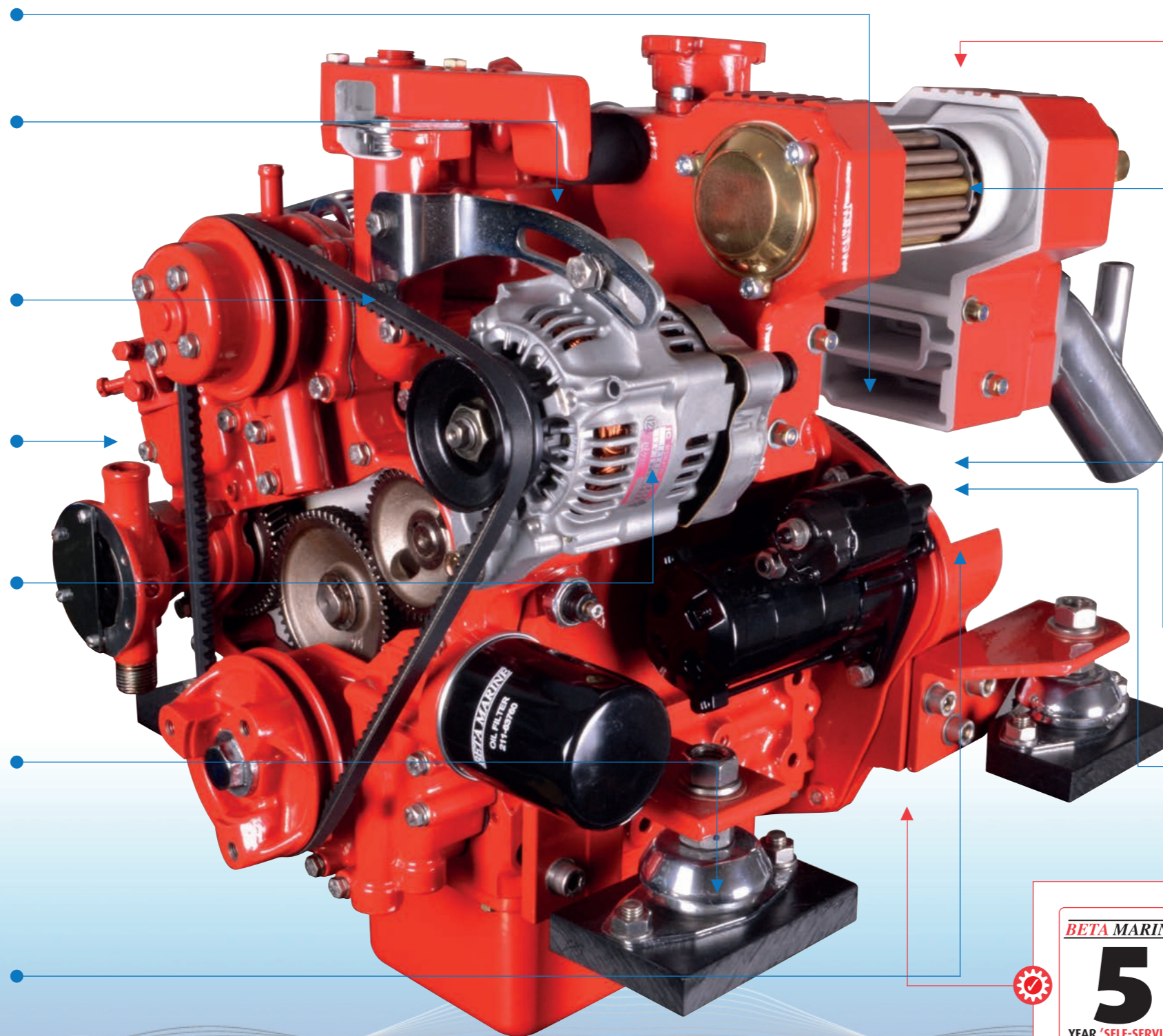
70 amp battery charging alternator giving full power at cruising speed with 12 volt electric starting as standard.

**OPTIONAL OR ADDITIONAL ALTERNATORS** & polyvee belt/pulley drive transmission are available.

Optional special feet service, to ease planning and installation Beta Marine offer 3D computer aided modeling for the design & the manufacture of bespoke feet to allow direct installation on to your vessels existing engine bearers.

Mechanical & hydraulic, in-line, down angle or V drive gearbox options. Output rotation is clockwise in ahead, viewed from the gearbox end.

Cutaway Images Are For Illustration Purposes & Not Necessarily Representative

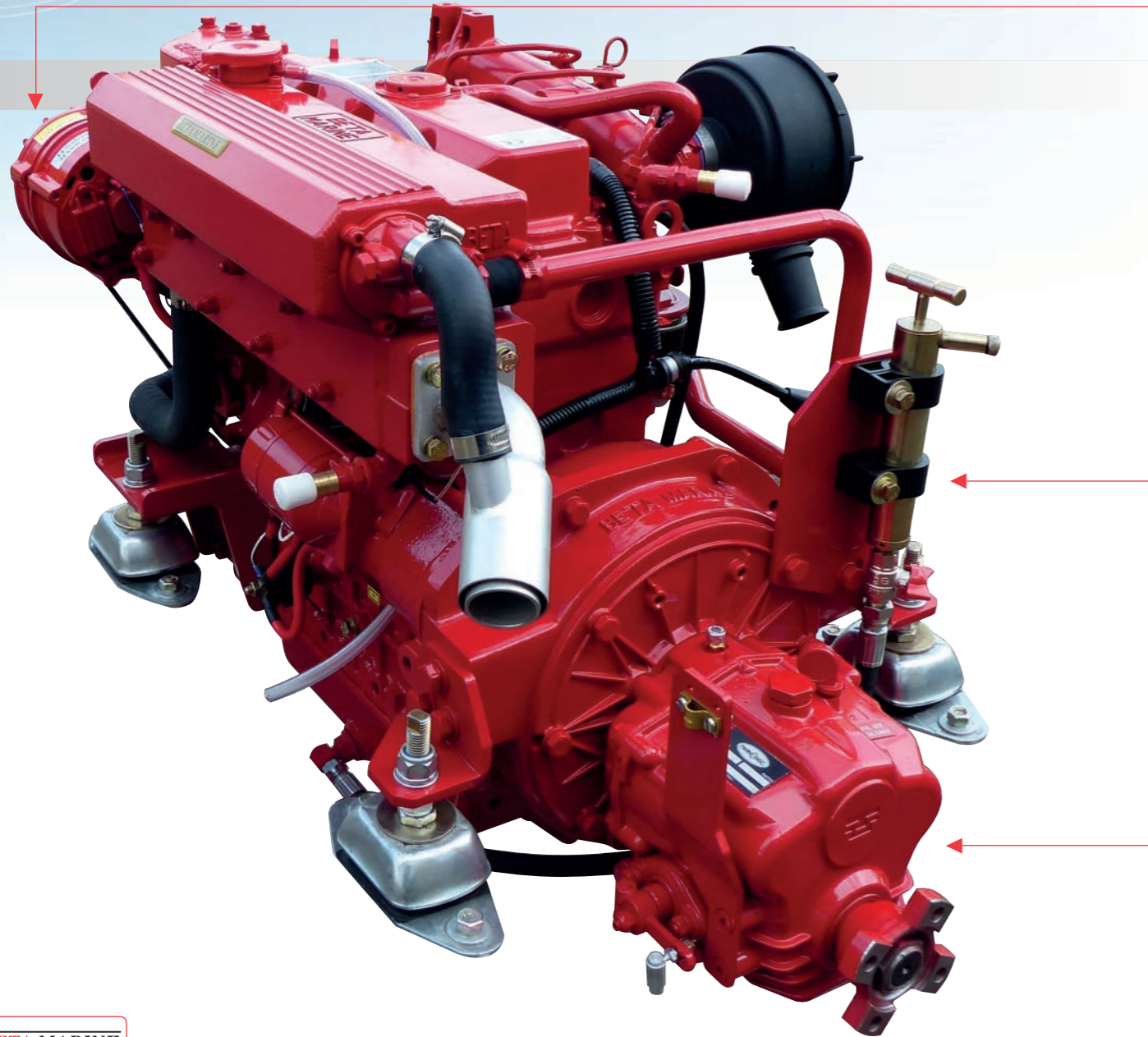


Complete with "ABV" Control Panel & 3m of interconnection cable, "Morse" type engine speed and gearbox control brackets & end fittings. Heavy duty feet and flexible mountings.

- **HEAT EXCHANGER COOLED**, the Beta 43, 50, 60 & 75 are naturally aspirated, whilst the Beta 70T, 85T, 90T, 105T & 115T are turbocharged.
- Three vortex combustion with indirect injection for quiet running, low emissions and excellent fuel consumption – Beta 43, 50, 60, 75 & 90.
- ICVS combustion with direct injection for quiet running, low emissions and excellent fuel consumption – Beta 70T, 85T, 90T & 105T.

Subject to installation criteria & registration, Kubota based engine's used for recreational use benefit from a **5 YEAR 'SELF-SERVICE' ENGINE WARRANTY**.

# Beta 50



## Control Panel Options

|                |      |
|----------------|------|
| ABV Panel      | Std. |
| ABVW Panel     | Opt. |
| B Panel        | Opt. |
| BW Panel       | Opt. |
| C Deluxe Panel | Opt. |

|                                |      |
|--------------------------------|------|
| CW Deluxe Panel                | Opt. |
| D Digital Panel                | Opt. |
| Flybridge Control - Additional |      |
| C Panel & 6m Connection Cable  | Opt. |

## Electrical Options

|   |      |
|---|------|
| 70 Amp, 12 Volt Alternator                      | Std. |
| 120 Amp, 12 Volt Alternator in Lieu of Standard | Opt. |
| 175 Amp, 12 Volt Alternator in Lieu of Standard | Opt. |
| 70 Amp, 12 Volt Insulated Return Alternator     | Opt. |
| 100 Amp, 12 Volt Insulated Return Alternator    | Opt. |
| 175 Amp, 12 Volt Secondary Domestic Alternator  | Opt. |

|  |      |
|--|------|
| 24 Volt Electric Start and 55 Amp Alternator                   | Opt. |
| 80 Amp, 24 Volt Secondary Domestic Alternator                  | Opt. |
| 60 Amp, 24 Volt Secondary Domestic Insulated Return Alternator | Opt. |
| 3.5 kVA Travel Power - 230 Volt, Single Phase 50Hz             | Opt. |
| 5.0 kVA Travel Power - 230 Volt, Single Phase 50Hz             | Opt. |

## Gearbox Options

|  |      |
|--|------|
| <b>Bobtail - No Gearbox</b>                        |      |
| "Bobtail" Engine with Drive Plate and Housing Only | Std. |
| <b>Technodrive / Twin Disc</b>                     |      |
| TMC60 - Mechanical                                 | Std. |
| TMC60A - 7° Down Angle, Mechanical                 | Std. |
| TMC260 - Hydraulic                                 | Opt. |
| TM345 - Hydraulic                                  | Opt. |
| TM345A - 8° Down Angle, Hydraulic                  | Opt. |

|                                   |      |
|-----------------------------------|------|
| <b>PRM Marine</b>                 |      |
| PRM150 - Hydraulic                | Std. |
| PRM280 - Hydraulic                | Opt. |
| PRM260C - In-line Hydraulic       | Opt. |
| <b>ZF</b>                         |      |
| ZF25M - Mechanical                | Std. |
| ZF25 - Hydraulic                  | Std. |
| ZF25A - 8° Down Angle, Hydraulic  | Std. |
| ZF15MIV - 15° V Drive, Mechanical | Std. |
| ZF68IV - 12° V Drive, Hydraulic   | Opt. |

BETA MARINE

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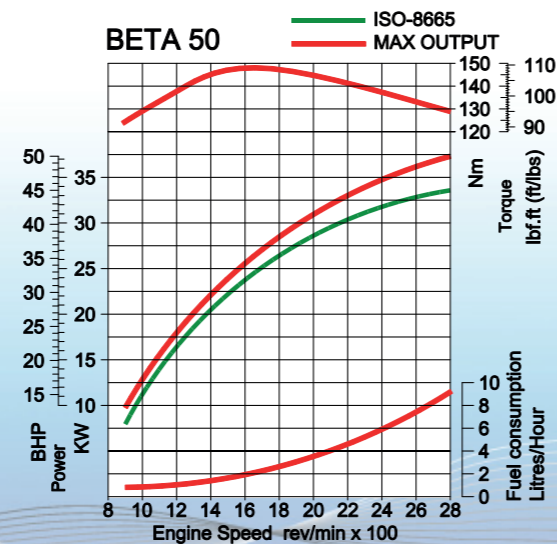
YEAR 'SELF-SERVICE' ENGINE WARRANTY

Recreational use only

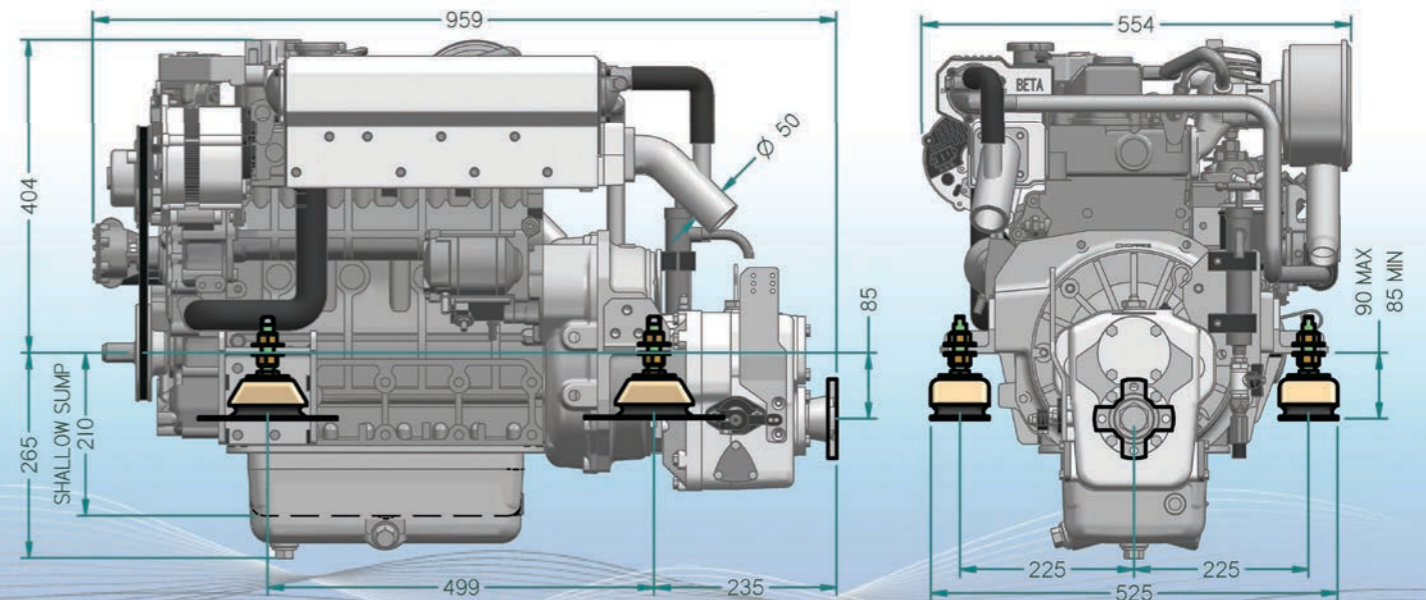
## Kubota Base Engine

|                     |                       |
|---------------------|-----------------------|
| <b>Cylinders</b>    | 4                     |
| <b>Displacement</b> | 2197cc                |
| <b>Power</b>        | 48.9hp max @ 2,800rpm |
| <b>Weight</b>       | 260Kg                 |
| <b>Propeller</b>    | 19" x 12"             |

A general guidance for propeller size in inches, based upon 3 blade RH rotation and reduction ratio of 2:1. \*For accurate individual advice please provide us with your vessels current full specifications



Based on theoretical propeller loading - matched at full speed



These are typical dimensions: visit our website for all engine / gearbox option drawings or contact Beta Marine direct