

Small 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.

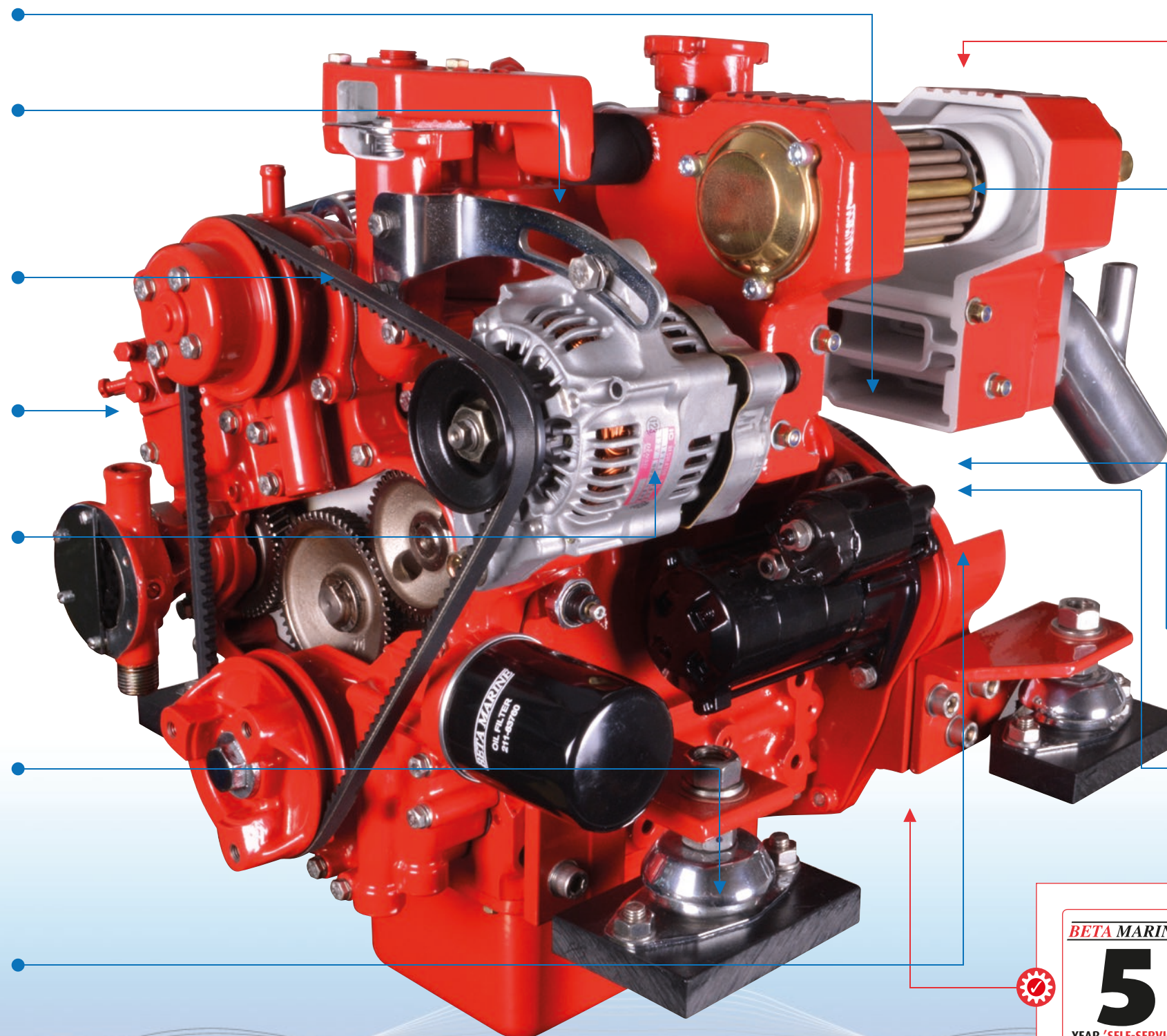
Subject to criteria, Kubota based engines accommodate installation angles up to 15° maximum when static and 25° when heeling.

The Beta 10, 14, 16, 20 & 25 are equipped with a standard 40 Amp alternator, the Beta 30, 35, 38 & 45T are equipped with a standard 70 Amp alternator all are driven by a polyvee belt/pulley and achieve full power at cruising speed. **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



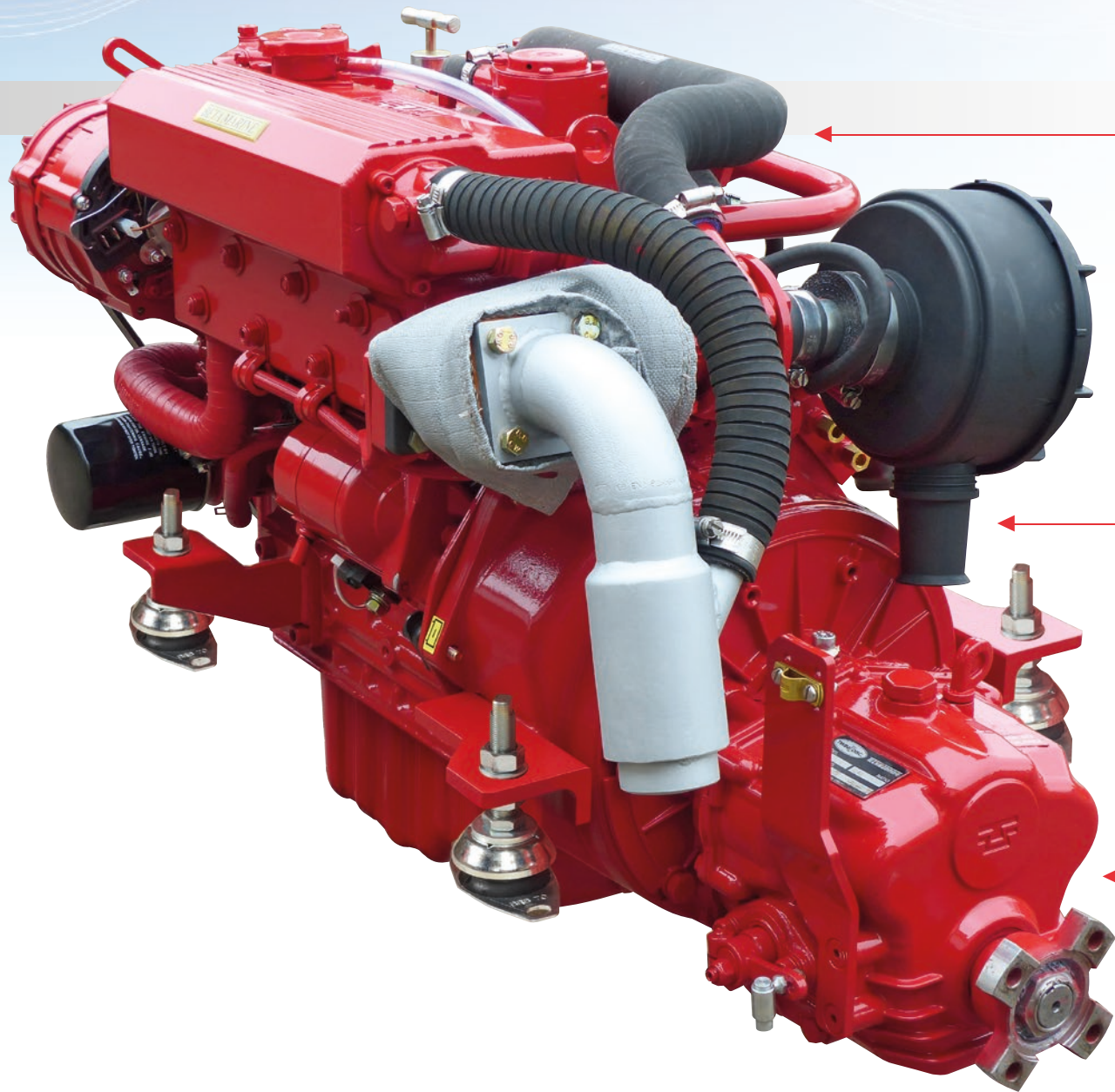
Complete with "ABV" Control Panel & 3m of interconnection cable, "Morse" type engine speed and gearbox control brackets & end fittings. Heavy duty feet and flexible mountings.

- **HEAT EXCHANGER COOLED**, the Beta 10, 14, 16, 20, 25, 30, 35 & 38 are naturally aspirated, whilst the Beta 45T is turbocharged.
- Three vortex combustion with indirect injection for quiet running, low emissions and excellent fuel consumption – Beta 10, 14, 16, 20, 25, 30, 35 & 38.
- ICVS combustion with direct injection for quiet running, low emissions and excellent fuel consumption – Beta 45T.



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

Beta 45T



Control Panel Options

| | | | |
|------------|------|--------------------------------|------|
| A Panel | Opt. | C Deluxe Panel | Opt. |
| ABV Panel | Std. | CW Deluxe Panel | Opt. |
| ABVW Panel | Opt. | D Digital Panel | Opt. |
| B Panel | Opt. | Flybridge Control - Additional | |
| BW Panel | Opt. | C Panel & 6m Connection Cable | Opt. |

Electrical Options

| | | | |
|---|------|--|------|
| 70 Amp, 12 Volt Alternator | Std. | 120 Amp, 12 Volt Secondary Domestic Alternator | Opt. |
| 120 Amp, 12 Volt Alternator in Lieu of Standard | Opt. | 125 Amp, 12 Volt Split Charging System | Opt. |
| 70 Amp, 12 Volt Insulated Return Alternator | Opt. | 3.5 kVA Travel Power - 230 Volt, Single Phase 50Hz | Opt. |

Gearbox Options

| | | | |
|--|------|-----------------------------------|------|
| Bobtail - No Gearbox | | PRM Marine | |
| "Bobtail" Engine with Drive Plate and Housing Only | Std. | PRM150 - Hydraulic | Std. |
| | | PRM280 - Hydraulic | Opt. |
| | | PRM260C - In-line Hydraulic | Opt. |
| Technodrive / Twin Disc | | ZF | |
| TMC60 - Mechanical | Std. | ZF15MIV - 15° V Drive, Mechanical | Std. |
| TMC60A - 7° Down Angle, Mechanical | Std. | | |

BETA MARINE

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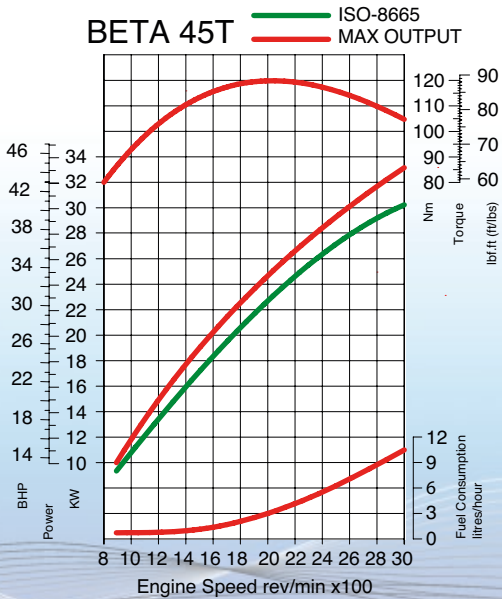
YEAR 'SELF-SERVICE' ENGINE WARRANTY

Recreational use only

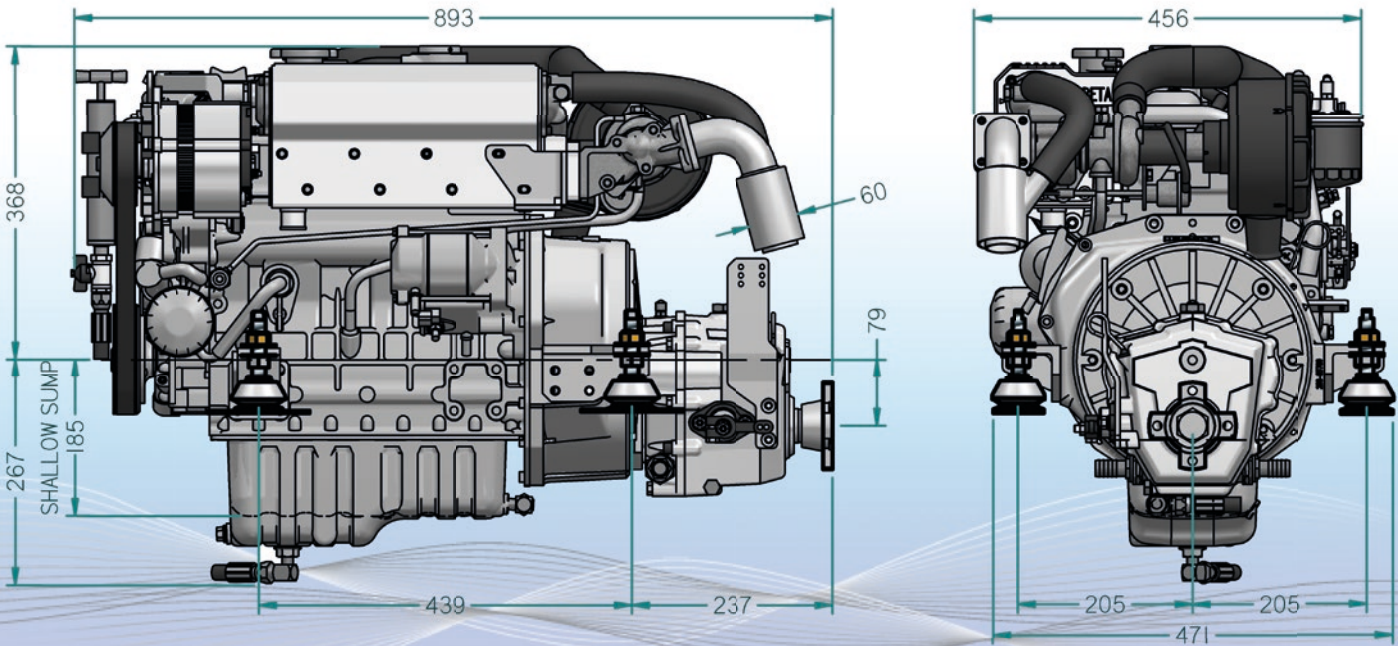
Kubota Base Engine

| | |
|--------------|---------------------|
| Cylinders | 4 |
| Displacement | 1498cc |
| Power | 45hp max @ 3,000rpm |
| Weight | 175Kg |
| Propeller | AIA* |

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