



Seagoing Engine Data Sheet - Beta 90

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.

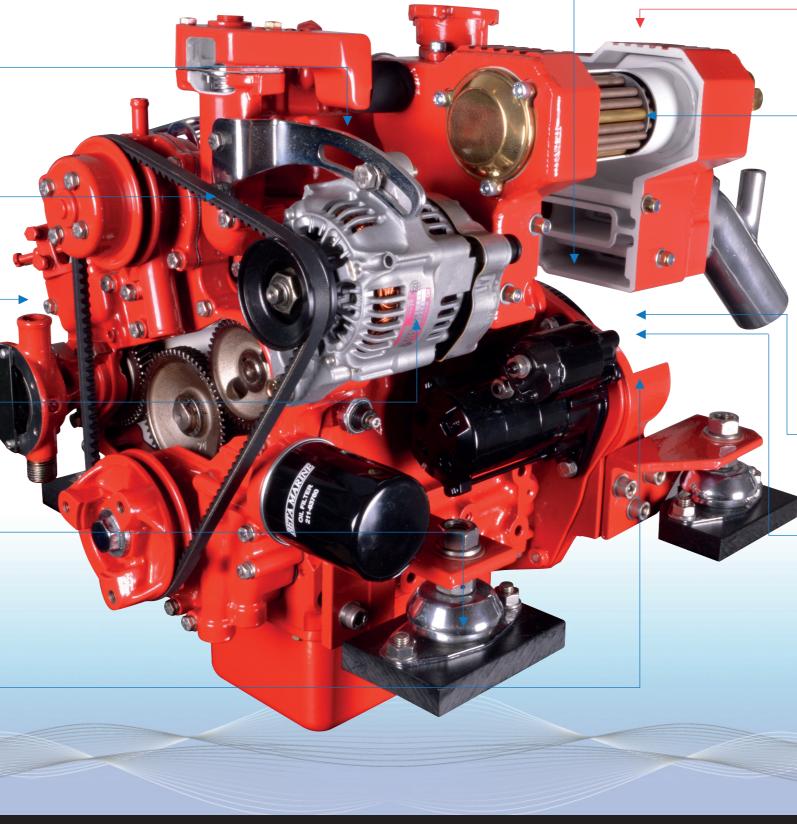
Subject to criteria, Kubota based engines accommodate installation angles up to 15° maximum when static and 25° when heeling.

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.

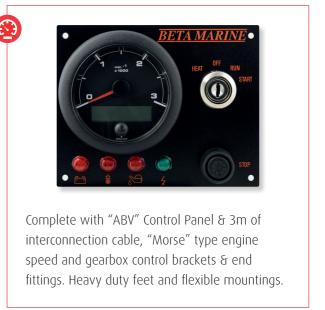
Mechanical & hydraulic, in-line, down angle or V drive gearbox options. Output rotation is clockwise in ahead, viewed from the gearbox end.

Cutaway Images Are For Illustration Purposes & Not Necessarily Representative



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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.

Beta 90

Control Panel Options

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

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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.

Options

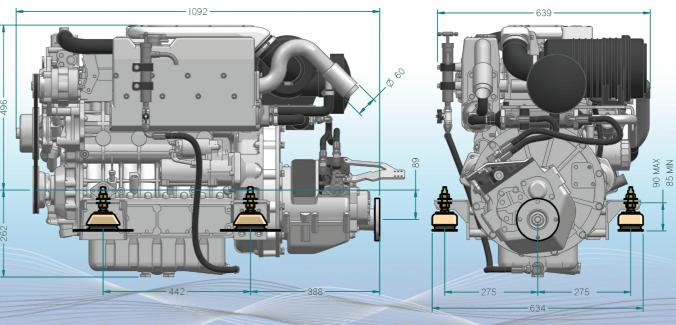
Bobtail - No Gearbox	
"Bobtail" Engine with Drive Plate and Housing Only	Std.
Taskas drive / Turia Dias	

rive / Twin Disc

TM93 - Hydraulic	Std.
TM93A - 8° Down Angle, Hydraulic	Opt.

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nanger Cooled

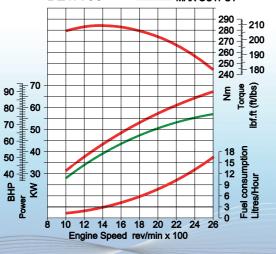


These are typical dimensions: visit our website for all engine / gearbox option drawings or contact Beta Marine direct

	C DEIUXE FO
	Electrical Op
	70 Amp, 12
	120 Amp, 1
	175 Amp, 1
	70 Amp, 12
	100 Amp, 1
	175 Amp, 1
	Gearbox Opt
	Bobtail - N
	"Bobtail" Er
	Technodriv
	TM93 - Hyd
	TM93A - 8°
	Cooling Opti Heat Exchan
Engine shown with optional 120 Amp alternator, polyvee belt drive, front mounted PTO shaft and hydraulic gearbox soft shift	
only to be sold to Non-Recreational Craft up to 24m in length.	
The Beta 90 is not RCD2 compliant and is for use by and only to be sold to Non-Recreational Craft up to 24m in length.	496

Kubota Base Engine

👌 Cylinders	4
Displacement	3769сс
Power	90hp max @ 2,600rpm
🙆 Weight	425Kg
😣 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

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Beta Marine Ltd operates a policy of continuous improvement and reserves the right to change prices & specification without prior notification. Information given is subject to our current conditions of tender & sale.

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

PRM Marine	
PRM280 - Hydraulic	Std.
PRM260C - In-line Hydraulic	Opt.
PRM500 - Hydraulic	Opt.
ZF	
ZF45 - Hydraulic	Std.
ZF45A - 8° Down Angle, Hydraulic	Std.
ZF681V - 12° V Drive, Hydraulic	Std.

Keel Cooled

Opt.