

Beta Marine are an ISO Quality Assured Firm. Since 1987, we have been continually improving our Quality Procedures, whilst being monitored annually by ISO Quality Services Ltd. **BETA MARINE**

Marine Generating Sets

Engine Data Sheet - BetaSet-BetaGen 4/2

Generating Set Range - Specifications

2, 3 or 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.

All BetaSet-BetaGen models are 12 volt electric start as standard, models up to the BetaSet-BetaGen 21 are equipped with a 45 amp battery charging alternator, the BetaSet-BetaGen 26 though to the BetaSet-BetaGen 49 are equipped with a 70 amp insulated return battery charging alternator. Optional 24 volt electric start is available for selected models.

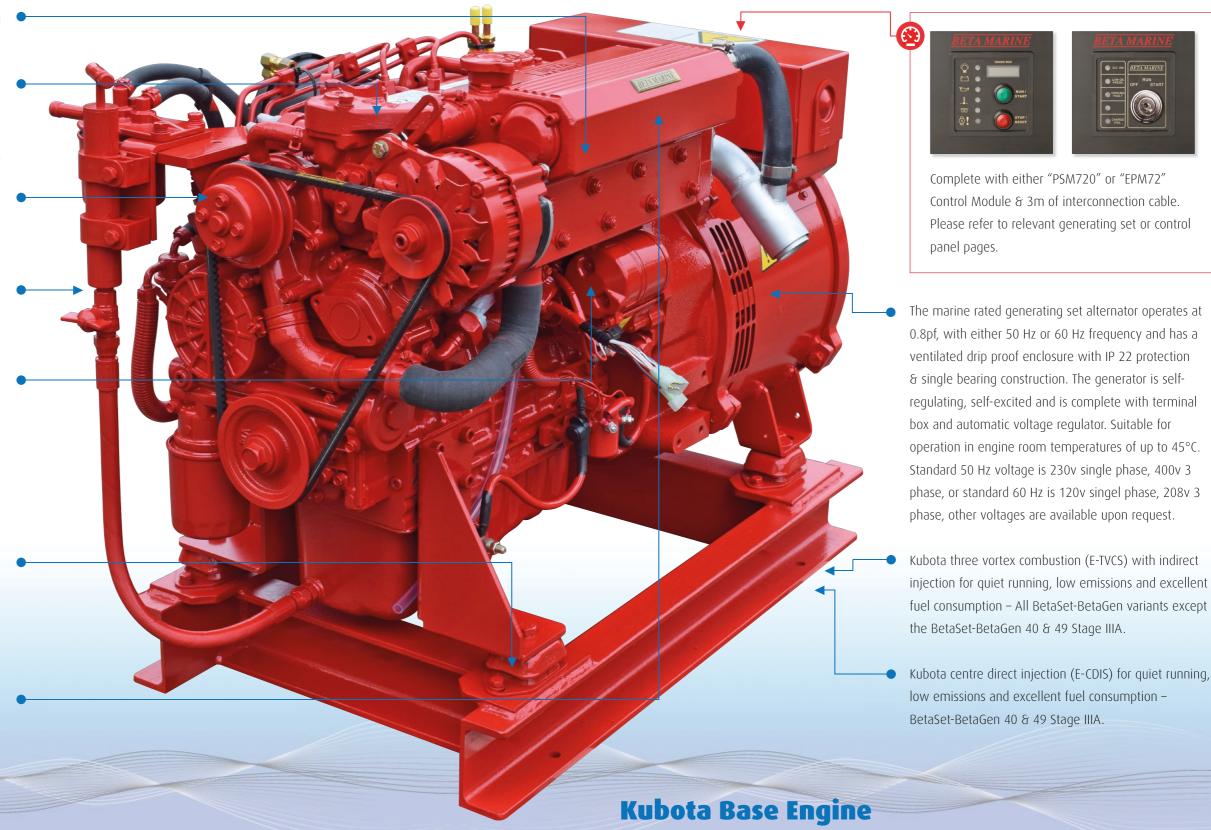
The engine and generator alternator are close coupled together and mounted on steel feet with marine failsafe anti-vibration mountings ensuring isolation.

Base frames are an optional extra for all BetaSet models.

Available as **HEAT EXCHANGER**, **KEEL** or **RADIATOR COOLED**, all BetaSet-BetaGen models are naturally aspirated except the BetaSet-BetaGen 40 & 49 Stage IIIA which are turbocharged.

*Electronically assisted on the BetaSet-BetaGen 40, 49 & 40, 49 Stage IIIA.

Images Are For Illustration Purposes & Not Necessarily Representative.



BetaSet-BetaGen 4/2

Available With Heat Exchanger, Keel Or Radiator Cooling



Wilhada	Dage	
Kubota	Base	Engine

2-Pole AC Alternator	1 Phase, 50Hz 3,000 rpm	1 Phase, 60Hz 3,600 rpm
Max. Output	4.0 kVA	4.5 kVA
Typical Load	17.4 A*	37.5 A***
Cylinders	2	2
Cubic Capacity	479 сс	479 сс
₹ Fuel^	1.4 Lt/Hr	1.7 Lt/Hr

The BetaSet-BetaGen 4/2 are unity power factor machines

Cooling Options

Heat Exchanger Cooled	Std.
Keel Cooled	Std.

Radiator Cooled

Control Module Options

PSM720 Start & Stop Protection Module	Std.
EPM72 Start & Stop Protection Module	Opt.*
RSM72 Local & LPM72 Remote Control Module	Opt.

DSE3110 Manual & Auto Start Control Module	Opt.
DSE7310 Auto Start Control Module	
& DSE2510 Auto Start Display Module	Opt.

Only when a 70 Amp, 12 Volt Insulated Return Alternator is specified.

Engine Electrical Options

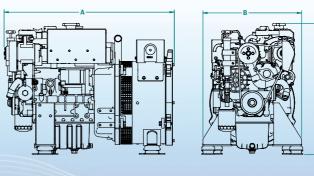
45 Amp, 12 Volt Alternato	or St	d.
70 Amp, 12 Volt Insulated	d Return Alternator Og	ot.

EE A 24 V-lt Elt-:- Ctt C Altt	0-4
55 Amp, 24 Volt Electric Start & Alternator	Opt.

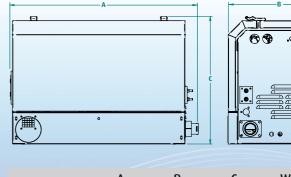


Dimensions & Weight

Images Below Are For Illustrating Dimensions & Not Necessarily Representative



	Α	В	C	Weight
BetaSet 4/2	76	44	58	116Kg



	Α	В	C	weight
BetaGen 4/2	80	49	59	160Kg

These are typical dimensions: visit our website for all BetaSet-BetaGen option drawings or contact Beta Marine direct

Typical Maximum Amps at 230v based on kW Electrical Load.

^{**} Typical Maximum Amps at 415v based on kW Electrical Load.

^{***} Typical Maximum Amps at 120v based on kW Electrical Load.
*** Typical Maximum Amps at 208v based on kW Electrical Load.

All kVA continuous output ratings are Marine Class F temperature rises.

[▲] Approximate Fuel Consumption.