

CANALINE

PRODUCTS



Hybrid DS

Generators

Canaline 38

Canaline 42

Canaline 52

Canaline 60

Canaline 70T

Canaline 82T/94T



► ABOUT ENGINES PLUS

Engines Plus, the manufacturer of the Canaline Marine Engines and the distributor for the Solé Advance range including the marine generators.



Engines Plus at Crick Boat Show



Engine stock at the warehouse

Engines Plus is now well established within the UK as a main distributor and importer of petrol and diesel engines and associated equipment. Engines Plus holds some exclusive rights for the distribution of products including Isuzu diesel engines, Kioti industrial diesel engines, Solé Advance marine diesel engines and generators, Hyundai Seasall marine engines, Selva Marine engines, FPT Industrial engines and Raywin Industrial diesel engines.

Engines Plus manufactures the Canaline Marine Engines in the UK, to its own specification which has been put together from many years of experience within this market. Our market knowledge goes back many years and we believe the specification and angle of the Canaline product will meet the needs of the customer.

The Kioti core engine powers the majority of the Canaline engines, built in South Korea in a modern factory producing some 40,000 engines per year.

These engines are fully emission compliant to the RCD 2, but more importantly have proven to be smoke free in locks, which as a customer is key.

Established in 1947, Kioti has become a market leader in the manufacture of diesel engines and agricultural machinery in Korea and has received global acceptance of the products manufactured. The growing popularity of Kioti products has fueled the company's continued growth across both the North American and European markets.



► ENGINES AND GENERATORS

The Canaline Marine Engine offers several advantages over the competition. Recognised as one of the key engines on the market, a Canaline purchase gives you the following benefits:

- Complete engine range from 38 bhp to 94 bhp, ideal for any narrow or wide beam boat
- Largest flywheel on any small engine in the market for smooth running
- Water cooled manifold, to ensure you have quick domestic hot water
- UKCA/EU RCD compliant engines
- Mechanical fuel injection systems on all engines to ensure simplicity
- The Canaline product has been chosen by leading hire fleets including Black Prince Holidays, Alvechurch Boat centres and Anglo Welsh, to name a few
- UK built marinisation
- 3 year self-service warranty



Canaline 38 Marine Diesel Engine



Canaline 52 Marine Diesel Engine



Canaline 70T Marine Diesel Engine

List of Generators

The Solé Advance generator range is ideal for the inland waterways market, if you are looking for just a small generator for back up, or a larger unit to ensure you have off grid living, we have the options for you. Our product range is proven, tested and reliable and our knowledge of the installation and market will ensure you select the right product.

- Complete engine range from 4.0 kva to 115 kva
- Canopied enclosures to ensure low noise
- Water cooled diesel engine
- Mechanical fuel injection systems on all engines to ensure simplicity
- 5 year self-service warranty



4kva Marine Generating Set



7GSC Solé Advance Marine Generating Set



10 GSC Solé Advance Marine Generating Set

► ENGINE SPECIFICATIONS

RCD2 exhaust emission compliant

4 cylinders diesel engine fitted with large flywheel for smooth engine running

PRM gearbox

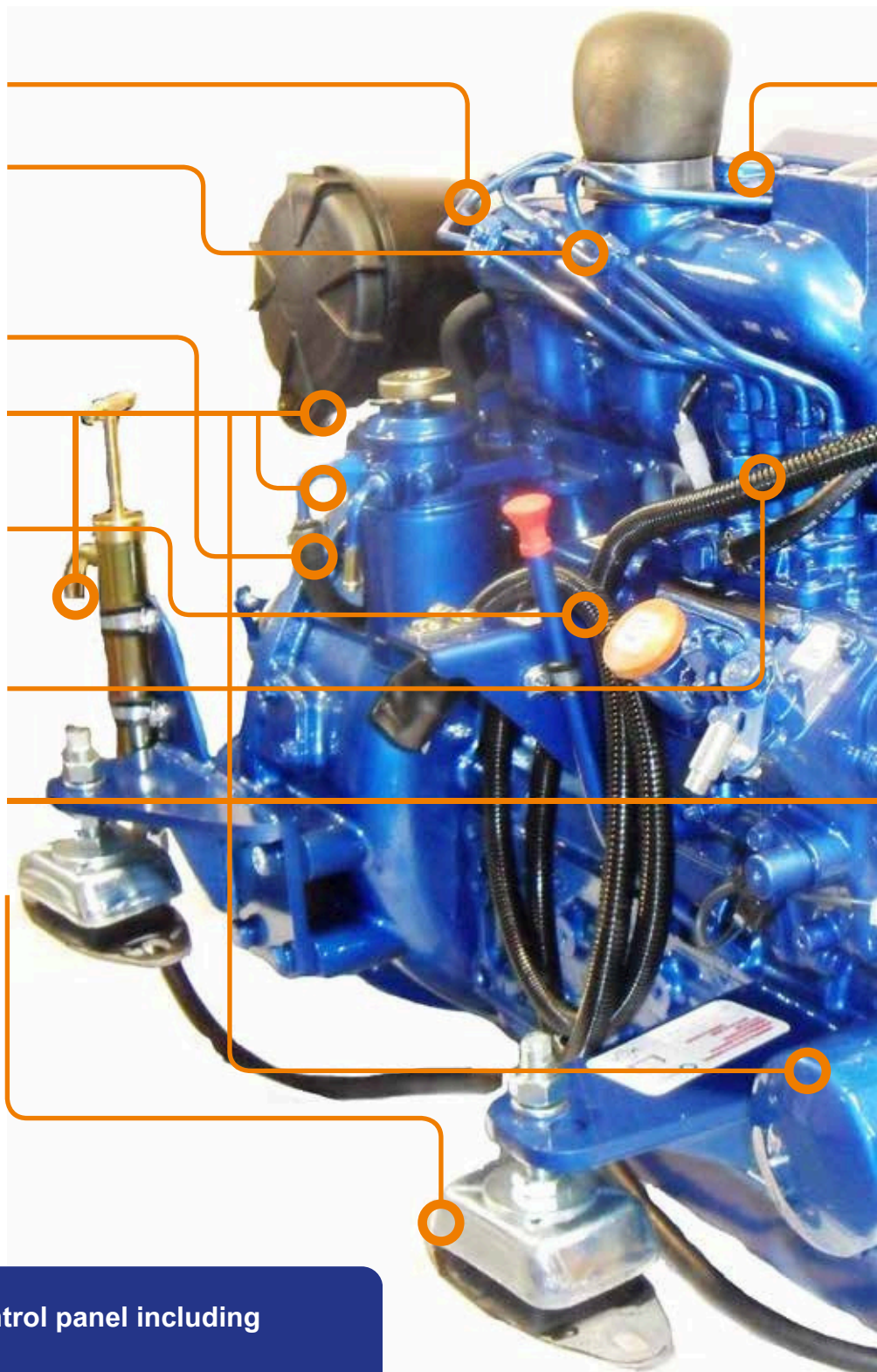
Single side servicing, fuel filter, oil filter, air filter and sump pump

4m extension loom, with the first 2m as part of the engine loom to ensure the connection point is not in your bilge but on a bulk head

Mechanical fuel injection pump on all models

Gear driven camshaft

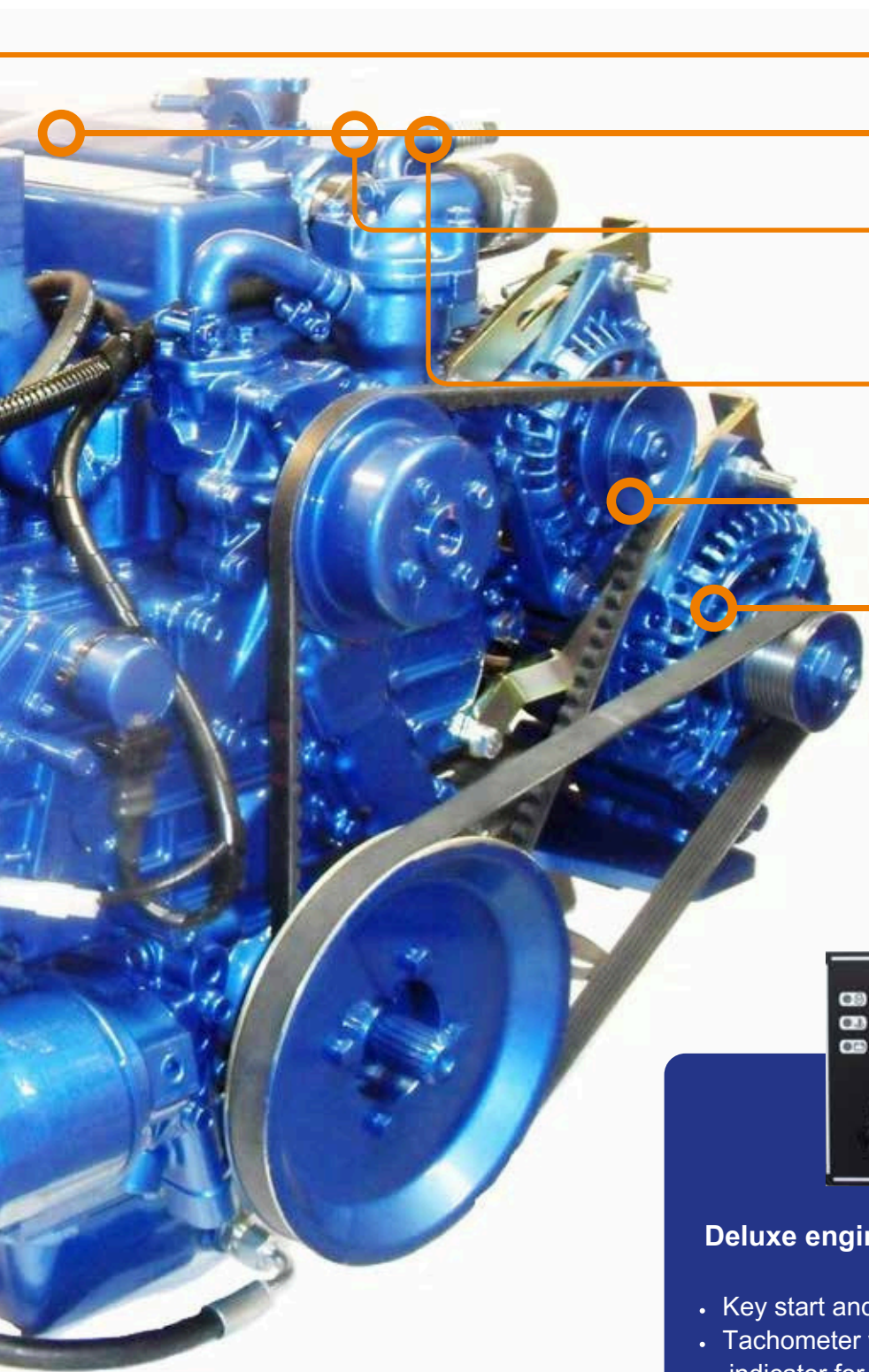
Heavy duty engine mounts for smooth engine running



Intermediate engine control panel including

- Key start and stop
- Tachometer with engine hours and voltage indicator for engine battery alternator
- LED indicator and buzzer for low oil pressure, high engine temperature, engine and domestic alternator no charge, pre heat and an on light





Dry exhaust outlet

Keel cooled with engine mounted header tank

Single side water connections, ensuring short pipe runs to your skin tank

Hot water connections for your calorifer tank as standard

75 Amp engine starter alternators

Secondary domestic alternator, 100 Amp on CL 38 with a 175 Amp fitted on the others, driven a 6PK poly vee belt



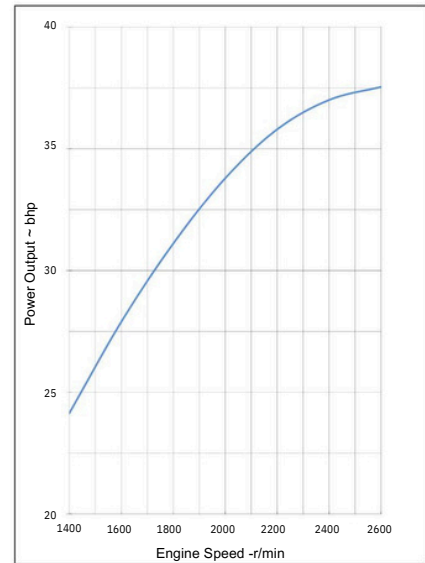
Deluxe engine control panel including

- Key start and stop
- Tachometer with engine hours and voltage indicator for engine battery alternator
- Temperature and oil pressure gauge
- LED indicator and buzzer for low oil pressure, high engine temperature, engine and domestic alternator no charge, pre heat and an on light

▶ CANALINE 38



Power Curve



Single side service points



Hot water connections



Large flywheel

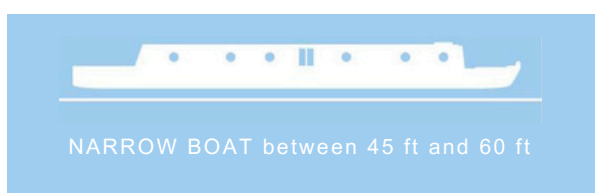
SPECIFICATIONS

General Canaline 38	Characteristics
No of Cylinders	4
Bore x Stroke (mm)	83 x 92.4
Cubic Capacity	2.197
Maximum bhp	38 @ 2600 r/min
Injection system	Mechanical / Indirect
Intake system	Naturally Aspirated
Cooling system	Keel cooled
12v Electrical System	75A / 100A
Gearbox PRM	125 (pleasure boat only)
Gearbox Ratio (std)	2.04:1
Dry Weight kg	235 (inc gearbox)
Exhaust Emissions	RCD 2 Compliance

KEY FEATURES

- 4-cylinder Kioti mechanical diesel engine
- 38 bhp @ 2600 r/min
- PRM Marine 125 mechanical gearbox
- Twin 75 Amp & 100 Amp alternators
- Intermediate engine control panel, including tachometer
- Hot water connections
- Fuel filter with built in water trap
- Engine mounted sump pump
- First class dealer network

Installation Recommendations



NB: This is only a recommendation, please consult your boat builder for exact recommendations

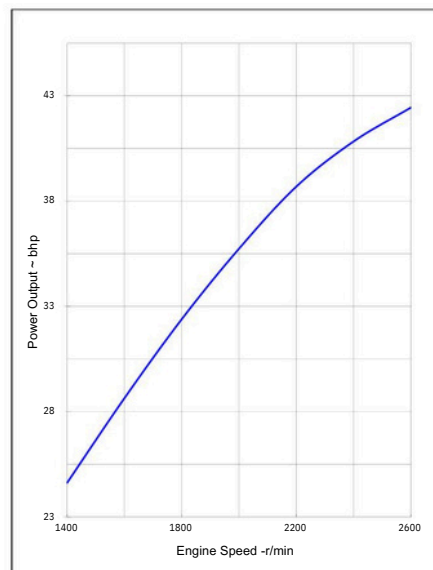


Control Panel

CANALINE 42



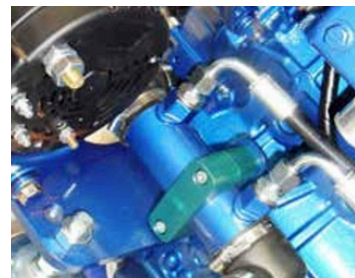
Power Curve



Hot water connections



PRM 150 hydraulic gearbox



Gearbox oil cooler kit

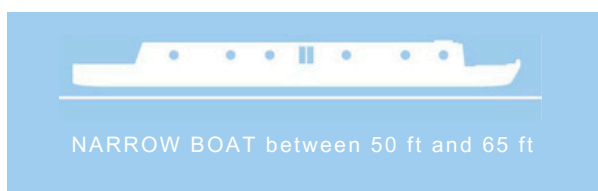
SPECIFICATIONS

General Canaline 42	Characteristics
No of Cylinders	4
Bore x Stroke (mm)	83 x 92.4
Cubic Capacity	2.197
Maximum bhp	42 @ 2600 r/min
Injection system	Mechanical / Indirect
Intake system	Naturally Aspirated
Cooling system	Keel cooled
12v Electrical System	75A / 175A
Gearbox PRM	150 (pleasure boat only)
Gearbox Ratio (std)	2.09:1
Dry Weight kg	237 (inc gearbox)
Exhaust Emissions	RCD 2 Compliance

KEY FEATURES

- 4-cylinder Kioti mechanical diesel engine
- 42 bhp @ 2600 r/min
- PRM Marine 150 hydraulic gearbox
- Twin 75 Amp & 175 Amp alternators
- Deluxe engine control panel, inc. tachometer and gauges
- Hot water connections
- Fuel filter with built in water trap
- Engine mounted sump pump
- First class dealer network

Installation Recommendations



NB: This is only a recommendation, please consult your boat builder for exact recommendations

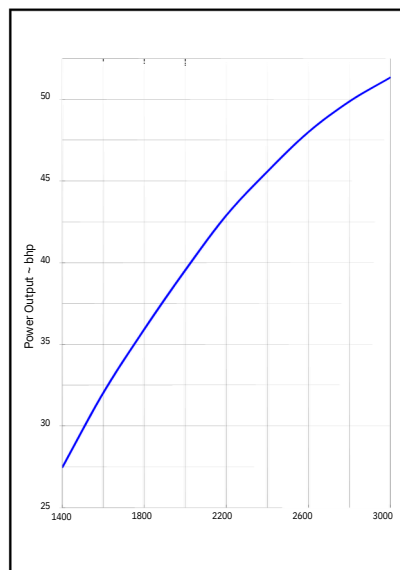


Control Panel

▶ CANALINE 52



Power Curve



Hot water connections



PRM 150 hydraulic gearbox



Twin 75 & 175 Amp Alternators

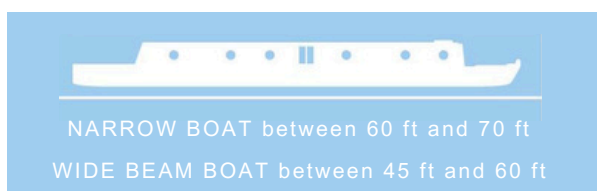
SPECIFICATIONS

General Canaline 52	Characteristics
No of Cylinders	4
Bore x Stroke (mm)	83 x 92.4
Cubic Capacity	2.197
Maximum bhp	52 @ 3000 r/min
Injection system	Mechanical / Indirect
Intake system	Naturally Aspirated
Cooling system	Keel cooled
12v Electrical System	75A / 175A
Gearbox PRM	150 (pleasure boat only)
Gearbox Ratio (std)	2.09:1
Dry Weight kg	248 (inc gearbox)
Exhaust Emissions	RCD Compliance

KEY FEATURES

- 4-cylinder Kioti mechanical diesel engine
- 52 bhp @ 3000 r/min
- PRM Marine 150 hydraulic
- Twin 75 Amp & 175 Amp alternators
- Deluxe engine control panel, inc. tachometer and gauges
- Hot water connections
- Fuel filter with built in water trap
- Engine mounted sump pump
- First class dealer

Installation Recommendations



NB: This is only a recommendation, please consult your boat builder for exact recommendations

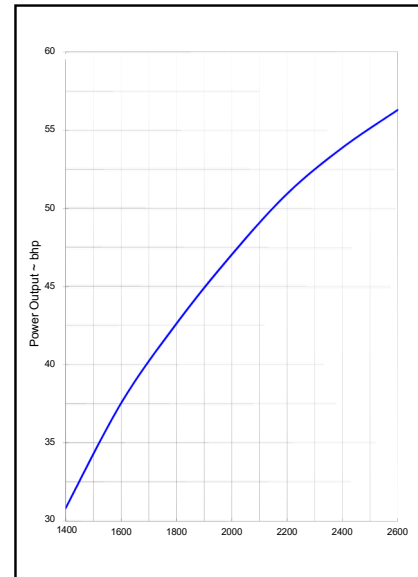


Control Panel

► CANALINE 60



Power Curve



Water cooled manifold



PRM 150 hydraulic gearbox



Twin 75 & 175 Amp Alternators

SPECIFICATIONS

General Canaline 60	
No of Cylinders	4
Bore x Stroke (mm)	87 x 102.4
Cubic Capacity	2.435
Maximum bhp	57 bhp @ 2600 r/min
Injection system	Mechanical / Indirect
Intake system	Naturally Aspirated
Cooling system	Keel cooled
12v Electrical System	75A / 175A
Gearbox PRM	150 (pleasure boat only)
Gearbox Ratio (std)	2.09:1
Dry Weight kg	256 (inc gearbox)
Exhaust Emissions	RCD Compliance

KEY FEATURES

- 4-cylinder Kioti mechanical diesel engine
- 57 bhp @ 3000 r/min
- PRM Marine 150 hydraulic gearbox
- Twin 75 Amp & 175 Amp alternators
- Deluxe engine control panel, inc. tachometer and gauges
- Hot water connections
- Fuel filter with built in water trap
- Engine mounted sump pump
- First class dealer network

Installation Recommendations



NB: This is only a recommendation, please consult your boat builder for exact recommendations

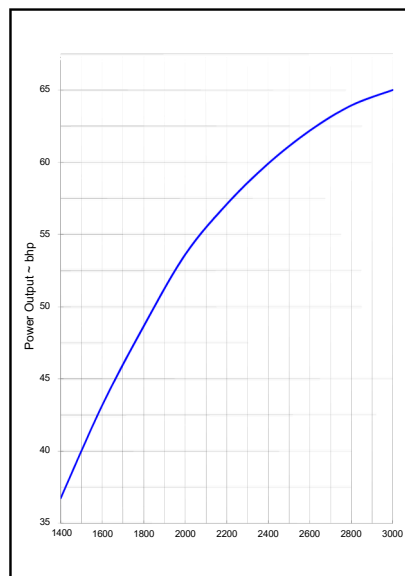


Control Panel

▶ CANALINE 70T



Power Curve



Twin 75 & 175 Amp Alternators



Hot water connections



PRM 150 hydraulic gearbox

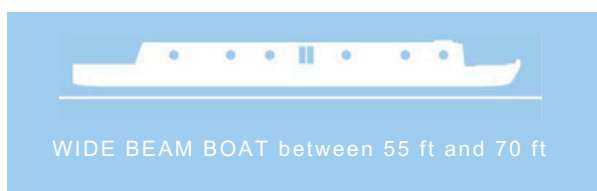
SPECIFICATIONS

General Canaline 70T	Characteristics
No of Cylinders	4
Bore x Stroke (mm)	87 x 102.4
Cubic Capacity	2.435
Maximum bhp	65 @ 3000 r/min
Injection system	Mechanical / Indirect
Intake system	Turbo charged
Cooling system	Keel cooled
12v Electrical System	75A / 175A
Gearbox PRM	150 (pleasure boat only)
Gearbox Ratio (std)	2.09:1
Dry Weight kg	256 (inc gearbox)
Exhaust Emissions	RCD Compliance

KEY FEATURES

- 4-cylinder Kioti mechanical diesel engine
- 65 bhp @ 3000 r/min
- PRM Marine 150 hydraulic gearbox
- Twin 75 Amp & 175 Amp alternators
- Deluxe engine control panel, inc. tachometer and gauges
- Hot water connections
- Fuel filter with built in water trap
- Engine mounted sump pump
- First class dealer network

Installation Recommendations



NB: This is only a recommendation, please consult your boat builder for exact recommendations

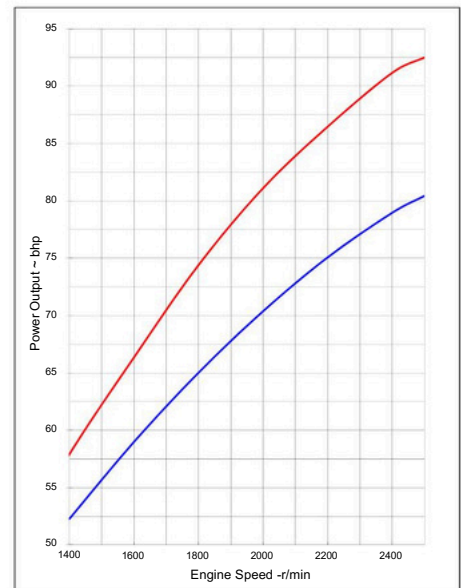


Control Panel

► CANALINE 82T / 94T



Power Curve



Water cooled manifold



RM 280 hydraulic gearbox



Turbo charged mechanical engine

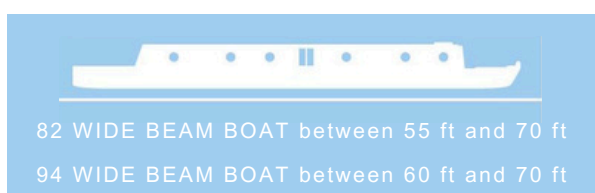
SPECIFICATIONS

General Canaline 82T/94T	Characteristics
No of Cylinders	4
Bore x Stroke (mm)	94 x 120
Cubic Capacity	3.331
Maximum bhp	82/94 @ 2500 r/min
Injection system	Mechanical / Direct
Intake system	Turbo charged
Cooling system	Keel cooled
12v Electrical System	95A / 175A
Gearbox PRM	280 (pleasure boat only)
Gearbox Ratio (std)	1.96:1
Dry Weight kg	388 (inc gearbox)
Exhaust Emissions	RCD Compliance

KEY FEATURES

- 4-cylinder Mitsubishi mechanical diesel engine
- 82 bhp / 94 bhp @ 2500 r/min
- PRM Marine 280 hydraulic gearbox
- Twin 95 Amp & 175 Amp alternators
- Deluxe engine control panel, including tachometer and gauges
- Hot water connections
- Fuel filter with built in water trap
- Engine mounted sump pump
- First class dealer network

Installation Recommendations

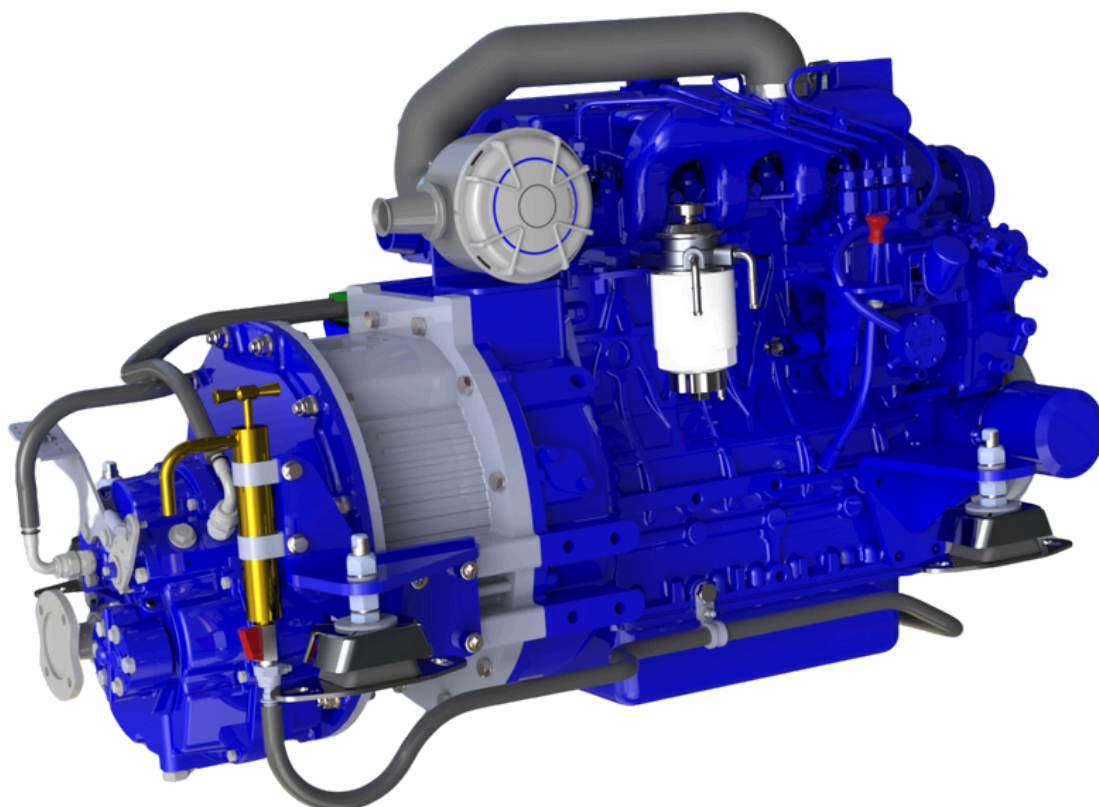


NB: This is only a recommendation, please consult your boat builder for exact recommendations



Control Panel

► INLINE HYBRID DRIVE SYSTEM



Hybrid Drive System Modes

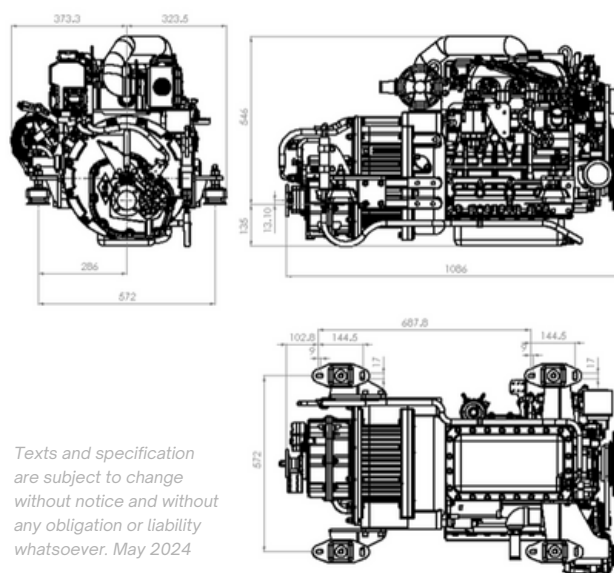
- Full electric propulsion mode
- Full diesel propulsion mode
- Diesel propulsion with electrical charging to batteries

Voltage:

Nominal 48V across all variants

Control Systems Included:

- Full diesel control panel
- Diesel/electric drive control system



Hybrid System Specifications (By Canaline Model)

Model	Electrical Power @1500 rpm	Charge Rate @1500 rpm	Bed Length Increase	Bed Width
Canaline 38 & 42	9 kW	152 Amps	+160 mm	Unchanged
Canaline 52 & 60	13 kW	210 Amps	+160 mm	Unchanged
Canaline 70T	16 kW	270 Amps	+160 mm	Unchanged

► OPTIONAL ACCESSORIES

As part of your package from Engines Plus we can offer you a range of optional accessories to enhance your engine or generator. We have many options from upgrading your panel, alternators or gearbox or adding the Whisper Power belt power system, please consult our price list for all the options, but generally we can upgrade your engine to suit your requirements.



Alternative gearboxes



Higher output alternators

Installation Accessories

The installation is crucial to ensure your engine or generator works perfectly within your boat, at Engines Plus we have only selected the right products to match our Canaline engine or Solé Advance generator, our installation accessories included.

- Propeller and stern gear assemblies
- Control lever and cables
- Fuel pre filter and ISO fuel hoses
- Exhaust systems for both engine and generator
- Hospital type silencers



Deluxe or alternative control panels



► GENSETS

Engines Plus are able to offer a range of generators ideal for your narrow or wide beam boat from our partnership with Solé Advance.

Solé

ADVANCE

The Solé Advance generators are manufactured to suit this market place, and have key features including:

- Complete engine range from 4.0 kva to 115 kva
- 4.0 Kva not Solé Advance supply
- Canopied enclosures to ensure low noise
- Water cooled diesel engine
- Mechanical fuel injection systems on all engines to ensure simplicity
- 5 year self-service warranty



Typical Service Kit



7GSC



SC005

Solé Advance believes in leading the way with product innovation, continuous product improvements and an effective after sales and service network to ensure all customers' expectations are met. Our international distributors with their own local network of chandleries and workshops, it's proof of how important after sales service is for us.



4kva Marine Generating Set



7GSC Solé Advance Marine Generating Set

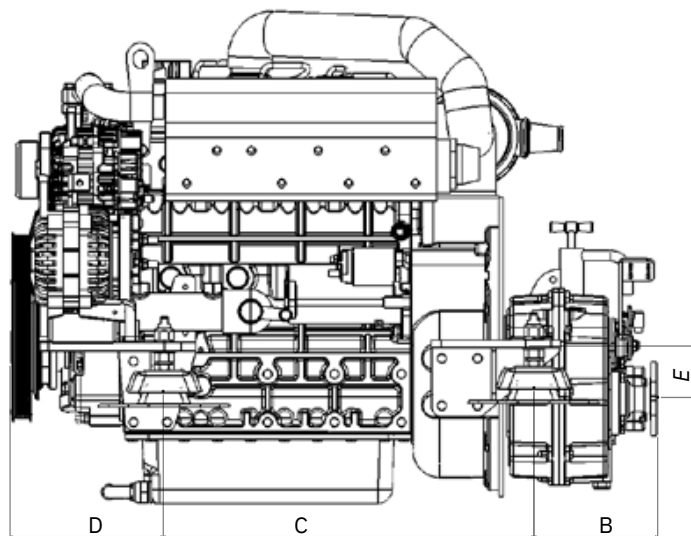
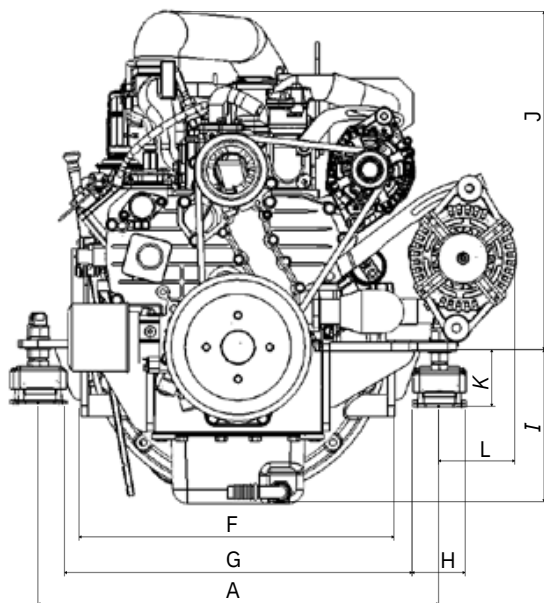


10GSC, showing engine

Model	Output	Rpm	Canopy	Cooling	Exhaust	Application
4GSCHv3	4.0 kva	3000	Yes	Heat exchanger	Wet Exhaust	Ideal for back up, but not continuous use
7GSC	6.6 kva	1500	Yes	Heat exchanger	Wet or dry Exhaust	Ideal for off grid living, Quiet due slow speed running
10 GSC	9.4 kva	1500	Yes	Heat exchanger	Wet or dry Exhaust	Ideal for off grid living, Quiet due slow speed running
14 GSC	13.9 kva	1500	Yes	Heat exchanger	Wet or dry Exhaust	Ideal for off grid living, Quiet due slow speed running

Larger generators on request

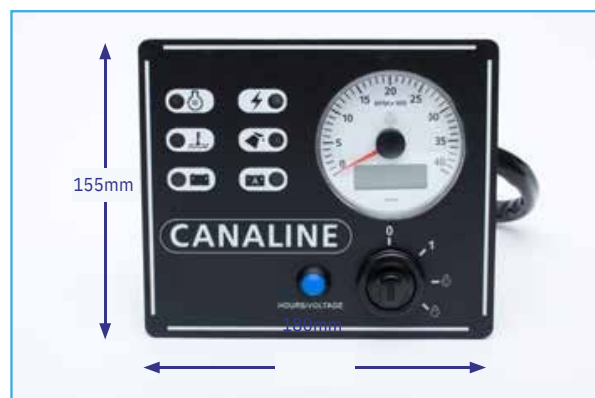
► GENERAL ARRANGEMENTS

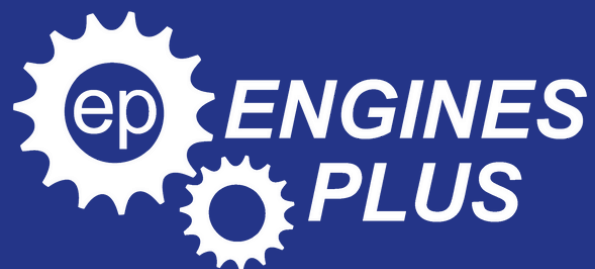


Model	A	B	C	D	E	F	G	H	I	J	K	L
Canaline 30	572	186	450	212	67	472	497	75	205	480	80	108
Canaline 38	572	186	522	235	67	472	497	75	205	480	80	108
Canaline 42	572	185	525	235	69	472	497	75	205	480	80	108
Canaline 52	572	185	525	235	69	472	497	75	205	480	80	108
Canaline 60	572	185	530	235	69	472	497	75	235	555	80	108
Canaline 70T	572	185	530	235	69	472	497	75	235	600	75	108
Canaline 82T/94T	572	258	562	273	88.8	478	492	75	235	500	80	254

Dimensions are for typical engine packages. Consult Engines Plus for dimensions of specific specifications. On Canaline 82T/94T the Aux Alternator protrudes from the opposite side of the engine to that shown on the diagram ~ Dimension L.

ENGINE CONTROL PANEL DIMENSIONS (MM)





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