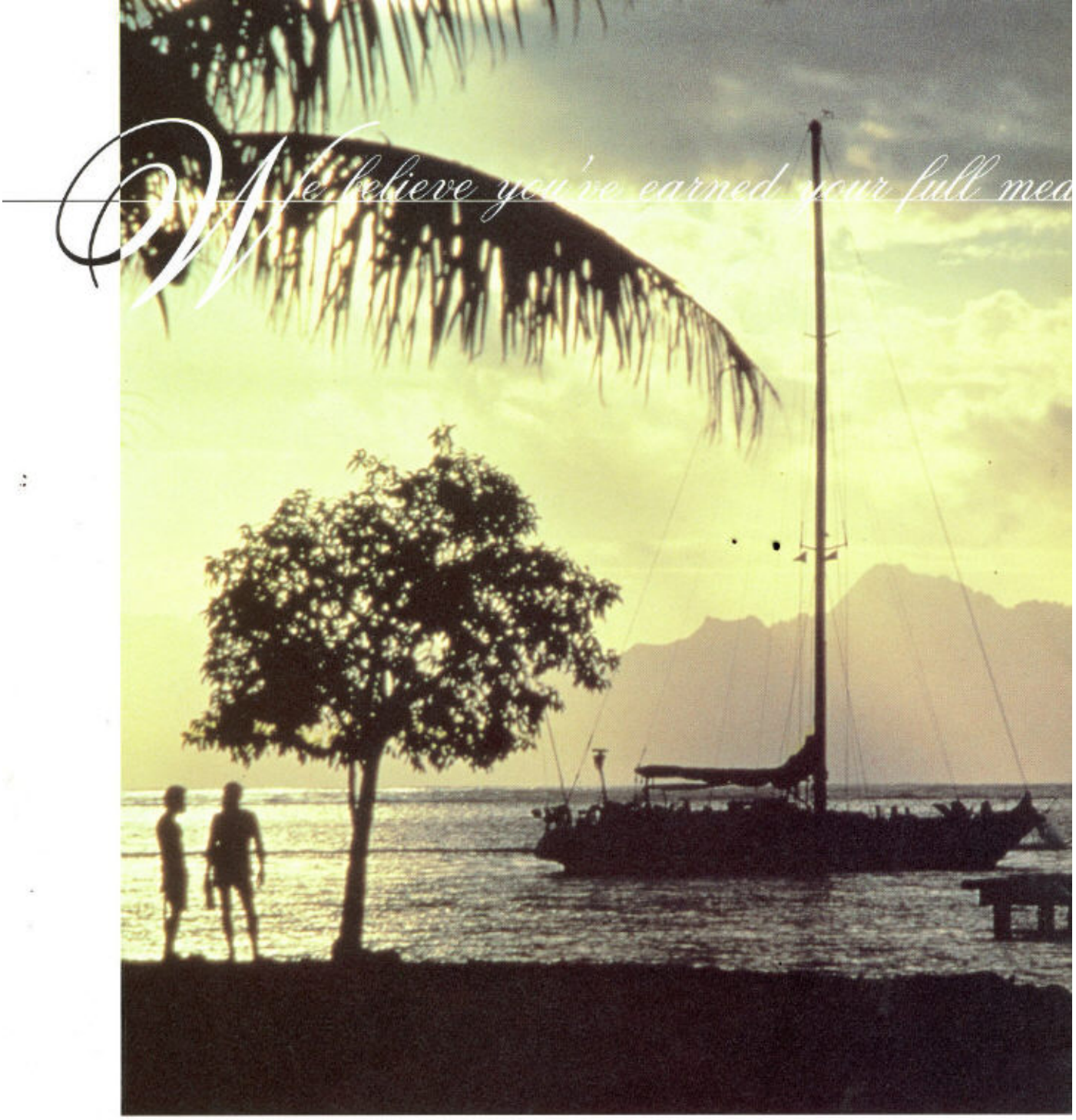
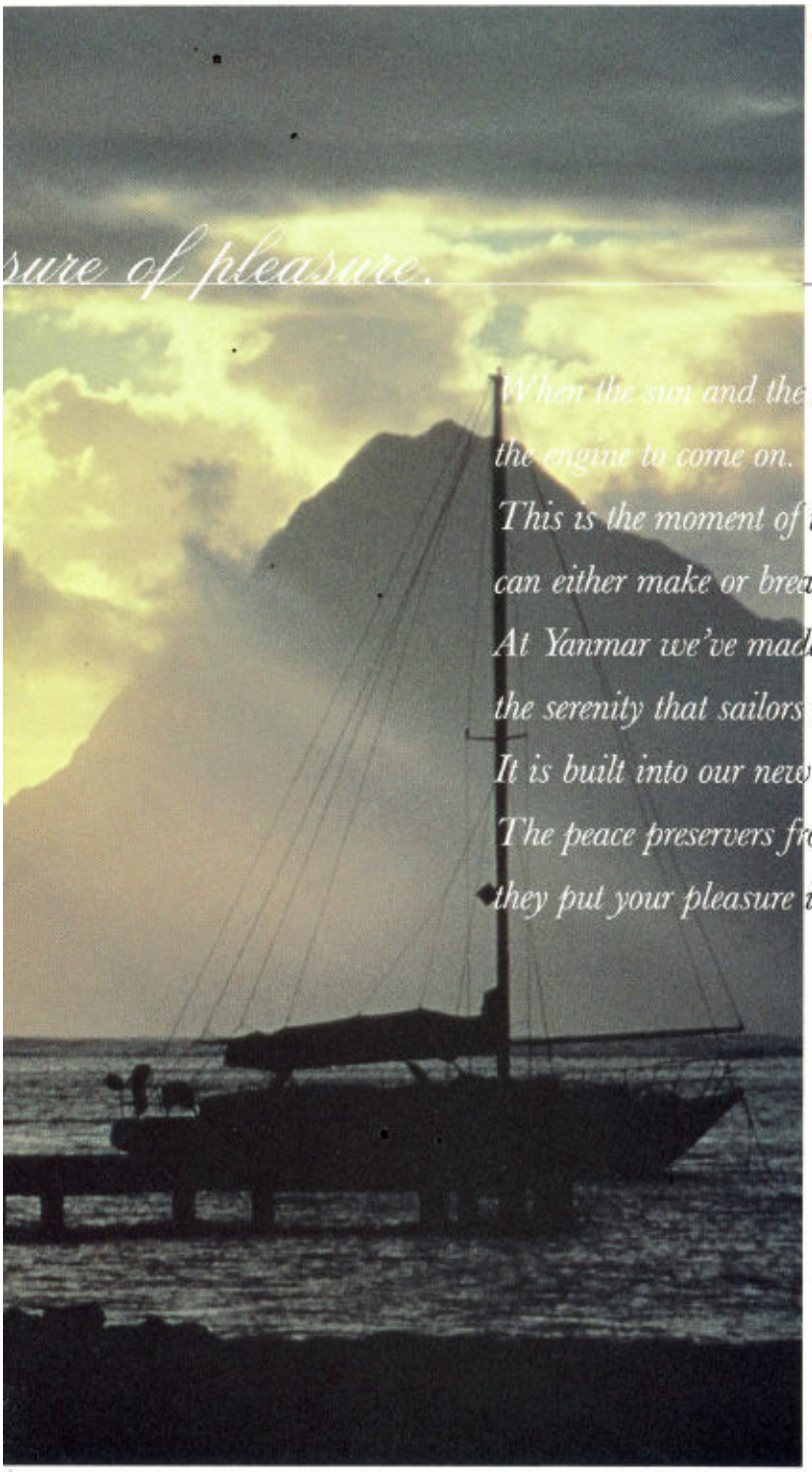
YANMAR

Pleasurecraft power


We believe you've earned your full mea



sure of pleasure.

When the sun and the sails go down it's often time for the engine to come on.

This is the moment of truth. The moment when an engine can either make or break your peace of mind.

At Yanmar we've made a special study of ways to preserve the serenity that sailors seek.

It is built into our new range of engines.

The peace preservers from Yanmar...

they put your pleasure in safe hands.

28 TEMMUZ 1994

Nothing beats a good friend on a boat—

We think you veteran sailors will all agree, the best sailing is with a good friend.

And that's what Yanmar's GM series has proved to be to countless sailors. They're engines as welcome as a fresh breeze; truly nautical, ever faithful.

There's not much more a sailor could ask of his engine.

Sized to suit

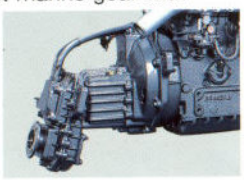
With more power in less space there is a lot more room to play with whether you're designing or stowing for a long cruise. They're lighter, too. A lot lighter. So they're a first choice for ocean racers.

Constant cooling

Cooling stability means a smooth running engine. GM engines all have built-in freshwater cooling thermo-controlled by seawater circulation in a heat exchanger. Temps remain constant, wear stays at a minimum.

Trim-fit V-Drive

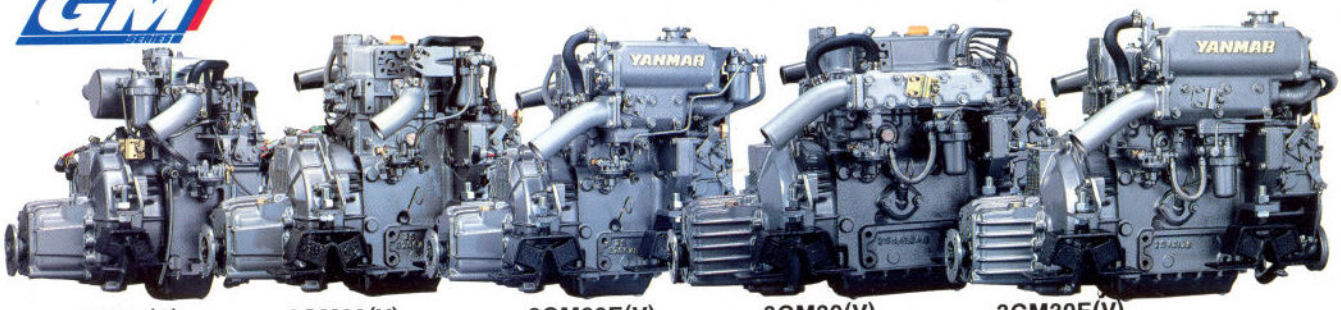
Where space is tight the V-drive allows sternmost engine placement with no loss of drive power. It's done with a compact marine gear with sweet running servo-core gears.



Gutsier than ever

The GM has gone from strength to strength. Today's engine gives you more punch per cylinder than any of its competitors, as much as 30% more in some cases.

GM SERIES



1GM10(V) 6.7kW•(9.1hp)

2GM20(V) 13.4kW•(18.2hp)

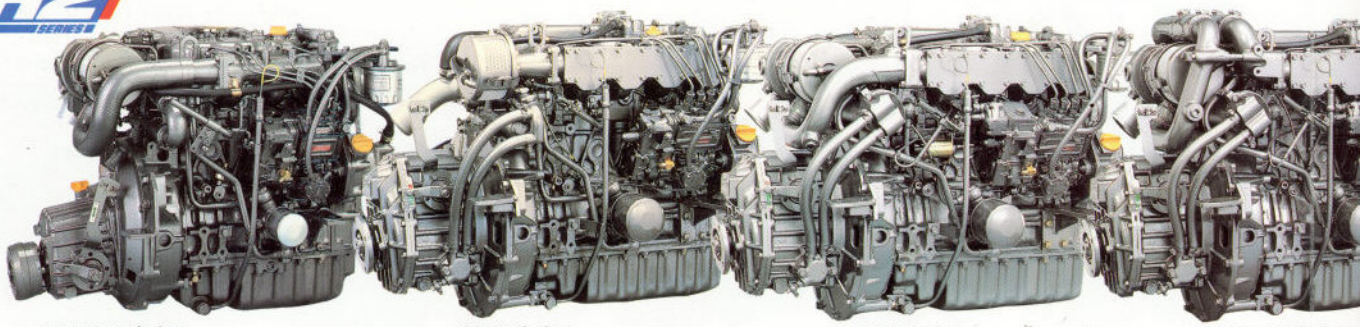
2GM20F(V) 13.4kW•(18.2hp)

3GM30(V) 20.1kW•(27.3hp)

3GM30F(V) 20.1kW•(27.3hp)

When you're looking for the one that's 'jus

JH2 SERIES II



3JH2-T(B)E
35.0kW・47.6hp)

4JH2(B)E
37.5kW・51.0hp)

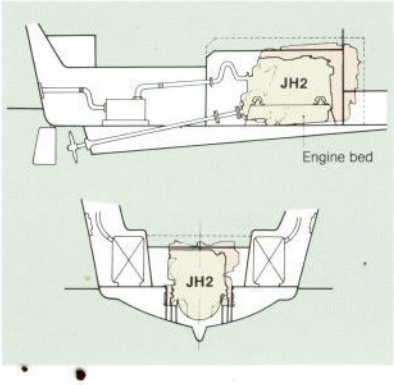
4JH2-T(B)E
46.5kW・(63.2hp)

4JH2-HT(B)E
56.0kW・(76.1hp)

t right'...

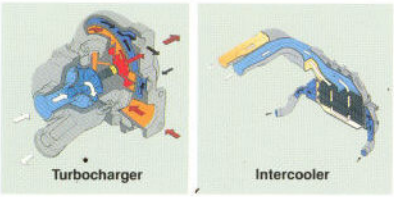
We think we have it. In our search for your perfect sailing and boating companion we have developed the user-friendly JH2 series.

These sprightly engines embody all that's good about today's diesel. They complement the dream of the designer for space and weight economy. They embrace the environment with a host of effective innovations.



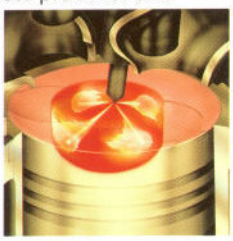
Power aplenty

Extra zip to get you places quicker comes from a high velocity water-cooled turbocharger in some models. It has been designed into the engine for minimal weight/size increase. The efficiency of this turbocharger owes itself to a large-size heat exchanger and a hi-torque, laser-hardened crankshaft. Fitted with an intercooler, turbo effectiveness takes a big jump.



Injection perfection

The direct injection system featured in the JH2 engine has been found to be ideal for this class of diesel. It gives you the most practical and economical use of fuel while boosting the combustion effect.

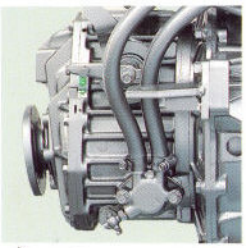


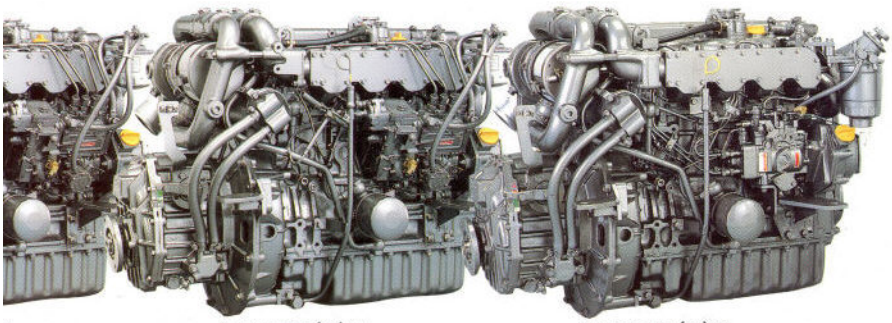
Lean and clean

Powerful short stroke pistons acting in close-pitch cylinders give brawn without bulk. In fact, the JH2 has the leanest lines in its class, standing as much as 30% lower than some competitors. All that extra room is a huge bonus to designers. They're also assets to the environment. Boost compensators deplete acceleration smoke, super-high injection pressures give cleaner combustion so emissions are purer than ever.

On the level

Because a level engine saves space the JH2 range makes available a no-loss angle drive. The engine stays level, the prop power stays the same.





4JH2-DT(B)E
65.0kW•(88.4hp)

4JH2-UT(B)E
74.0kW•(100.6hp)

There used to be a time for power and a tim

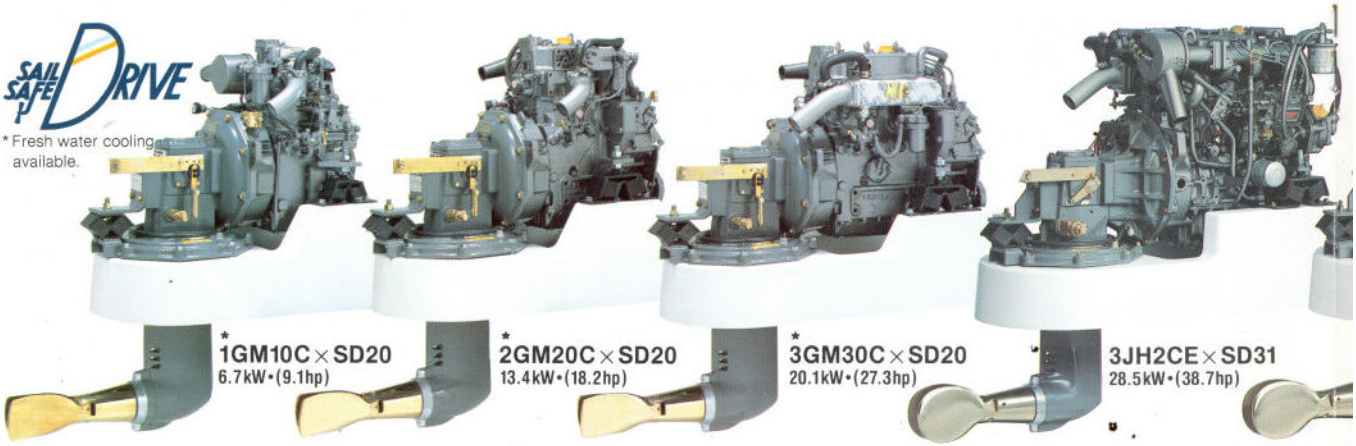
Now, both times happily coincide with a Saildrive snug in the engine room.

Whether sliding through a lagoon or quietly sipping your first cocktail, peaceful power is the message of the Saildrive.

The company of this veteran of the high seas has been enjoyed by many of the world's most demanding yachtsmen, without a breath of complaint.

SAIL SAFE DRIVE

* Fresh water cooling available.



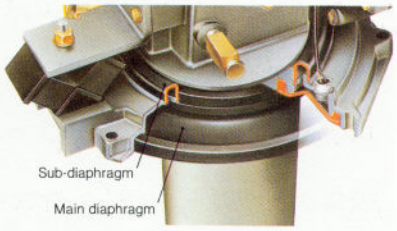
*1GM10C × SD20
6.7kW•(9.1hp)

*2GM20C × SD20
13.4kW•(18.2hp)

*3GM30C × SD20
20.1kW•(27.3hp)

3JH2CE × SD31
28.5kW•(38.7hp)

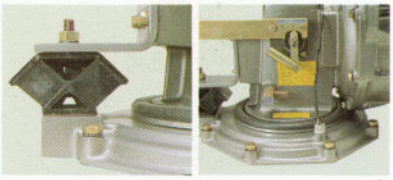
e for peace...



the natural answer to hull vibrations and noise.
Boat balance, maneuverability and thrust all benefit from the unique characteristics of the Saildrive.

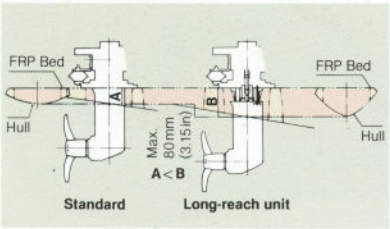
Super-silent

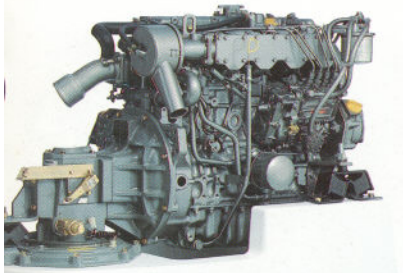
Pleasure boating becomes a greater pleasure with the quiet operation of the Saildrive. There is no hull contact from the drive and the engine is cushioned on three rubber V-blocks.



Problem solver

It takes away the headaches of prop alignment, stuffing boxes, mounting brackets, stern tubes and kingston cocks. Designers can locate the Saildrive to suit their hull shape, even turn the lower drive 180° if required. For high engine beds there are long shaft models for greater hull clearance.



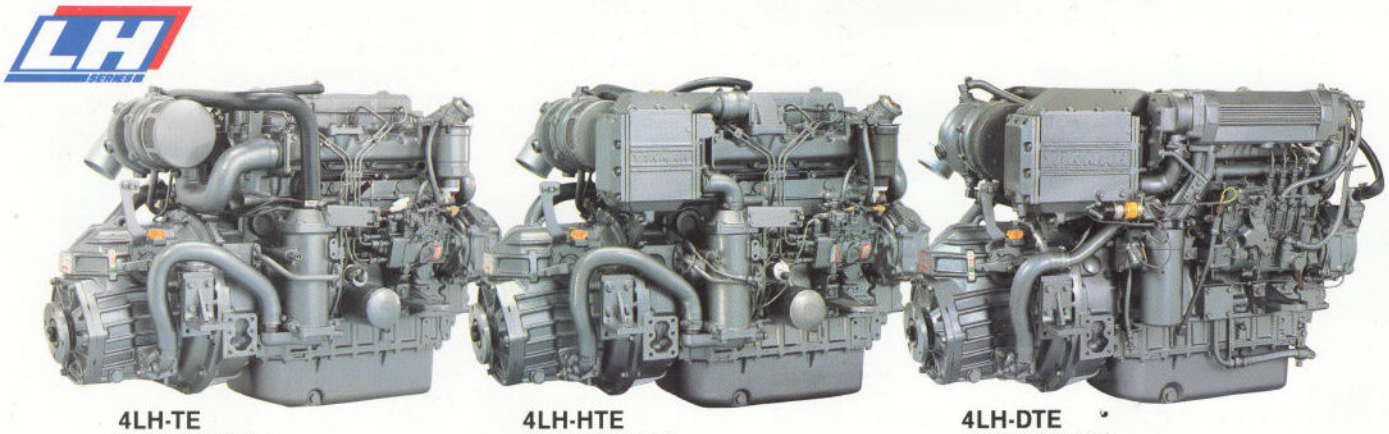


Smooth & safe

This thru-hull unit has proved itself time and time again and has become a popular installation for cruisers and daysailers. Coupled with a GM or JH2 engine the Saildrive delivers right-angle drive directly below the marine gear through a special dual diaphragm. It's the safest of all thru-hull fittings and also provides

4JH2CE × SD31
37.5kW•(51.0hp)

The drive that's an important part of the d



4LH-TE
81.0kW•(110.1hp)

4LH-HTE
103.0kW•(140.0hp)

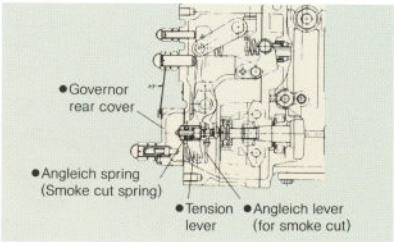
4LH-DTE
125.0kW•(170.0hp)

eam.

Reliable engines like the LH series bring alive and keep alive the magic of the oceans.
Always ready to serve, ever true to the helm's command, constantly kindly to the sea and air, the LH engine is a triumph of marine and machine matchmaking.

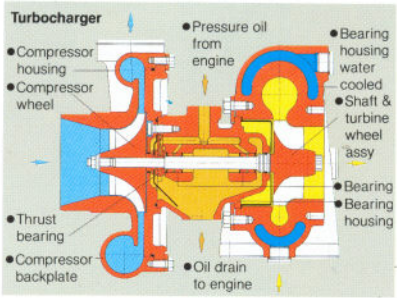
Fresh levels of purity

We've set new standards in clean emissions with a combination of systems. A key one—Negative Torque Control—carefully monitors combustion throughout the speed ranges and also snuffs out the exhaust smoke usually emitted at acceleration.



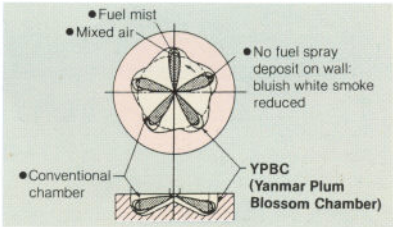
System sophistication

Built to match the super-specs of today's luxury powerboats, the LH series pack the features builders and owners seek. For ever-ready power demands they have direct fuel injection delivered by the most precise system in the diesel world. Turbocharging adds a surge of power to the 'new age' combustion process.



New fuel thrift

By the precise control of fuel feed by the new injection system and clean burns in Yanmar's unique Plum Blossom combustion head configuration there's no wastage and optimum use of every drop.



Restfully quiet

The pleasing subdued note of the LH is the result of several anti-noise systems and a vibration suppressing design. The main body is a non-vibrational steel structure with a tenacity frame. This is supported by Yanmar's well-proven flexible block mounts.

Sized right

Compare the size of the LH with similar engines and you'll see how much space you gain in the engine room, and with a big plus in power output.

SPECIFICATIONS

Rating condition: ISO-3046/1 [Note]: hp≒0.7355kW

Model	No. of cylinders	Bore×stroke mm (in.)	Maximum output kW (hp)/rpm	Dry weight kg (lbs)	Dimensions (L×W×H) mm (in.)
1GM10	1	75×72 (2.95×2.83)	6.7 (9.1)/3600	76 (167)	554×410×485 (21.8×16.14×19.09)
1GM10V	1	75×72 (2.95×2.83)	6.7 (9.1)/3600	90 (198)	680×450×554 (26.77×17.71×21.81)
1GM10C×SD20	1	75×72 (2.95×2.83)	6.7 (9.1)/3600	104 (229)	723.5×450×867 (28.48×17.72×34.13)
2GM20	2	75×72 (2.95×2.83)	13.4 (18.2)/3600	106 (233)	645×455×495 (25.39×17.91×19.49)
2GM20V	2	75×72 (2.95×2.83)	13.4 (18.2)/3600	119 (261)	771×475×564 (30.35×18.70×22.20)
2GM20C×SD20	2	75×72 (2.95×2.83)	13.4 (18.2)/3600	134 (295)	824.5×450×877 (32.46×17.72×34.53)
2GM20F	2	75×72 (2.95×2.83)	13.4 (18.2)/3600	114 (251)	650×482×567 (25.59×19.00×22.32)
2GM20FV	2	75×72 (2.95×2.83)	13.4 (18.2)/3600	125 (278)	776×482×636 (30.55×19.00×25.04)
2GM20FC×SD20	2	75×72 (2.95×2.83)	13.4 (18.2)/3600	142 (313)	824.5×450×964) (32.46×17.72×37.95)
3GM30	3	75×72 (2.95×2.83)	20.1 (27.3)/3600	130 (286)	740 ×455×495 (29.13×17.91×19.50)
3GM30V	3	75×72 (2.95×2.83)	20.1 (27.3)/3600	138 (304)	856×475×564 (33.70×18.70×22.20)
3GM30C×SD20	3	75×72 (2.95×2.83)	20.1 (27.3)/3600	153 (337)	909.5×450×877 (35.81×17.72×34.53)
3GM30F	3	75×72 (2.95×2.83)	20.1 (27.3)/3600)	138 (304)	745×455×567 (29.33×17.91×22.32)
3GM30FV	3	75×72 (2.95×2.83)	20.1 (27.3)/3600	147 (323)	861×475×636 (33.90×18.70×25.04)
3GM30FC×SD20	3	75×72 (2.95×2.83)	20.1 (27.3)/3600	161 (355)	909.5×450×964 (35.81×17.72×37.95)
3JH2E	3	82×86 (3.29×3.39)	28.5 (38.7)/3600	183 (403)	782.3×522.5×587.5 (30.80×20.57×23.13)
3JH2BE	3	82×86 (3.29×3.39)	28.5 (38.7)/3600	178 (392)	760.2×522.5×587.5 (29.93×20.57×23.13)
3JH2CE×SD31	3	82×86 (3.29×3.39)	28.5 (38.7)/3600	198 (437)	993.3×511.5×956 (39.11×20.14×37.64)
3JH2-TE	3	82×86 (3.29×3.39)	35.0 (47.6)/3600	192 (423)	787.3×511.5×587.5 (31.00×20.14×23.13)
3JH2-TBE	3	82×86 (3.29×3.39)	35.0 (47.6)/3600	187 (412)	760.2×511.5×587.5 (29.93×20.14×23.13)
3JH2-TCE×SD31	3	82×86 (3.29×3.39)	35.0 (47.6)/3600	207 (456)	993.3×524.5×956 (39.11×20.65×37.64)
4JH2E	4	82×86 (3.29×3.39)	37.5 (51.0)/3600	226 (498)	878.3×561×634.5 (35.37×22.09×24.98)
4JH2BE	4	82×86 (3.29×3.39)	37.5 (51.0)/3600	228 (503)	888.4×565×634.5 (34.98×22.24×24.98)
4JH2CE×SD31	4	82×86 (3.29×3.39)	37.5 (51.0)/3600	233 (514)	1087.3×547×990 (42.81×21.54×38.98)
4JH2-TE	4	82×86 (3.29×3.39)	46.5 (63.2)/3600	232 (512)	898.3×561×634.5 (35.37×22.09×24.98)
4JH2-TBE	4	82×86 (3.29×3.39)	46.5 (63.2)/3600	234 (516)	888.4×565×634.5 (34.98×22.24×24.98)
4JH2-HTE	4	82×86 (3.29×3.39)	56.0 (76.1)/3600	246 (542)	898.3×561×643.5 (35.37×22.09×24.98)
4JH2-HTBE	4	82×86 (3.29×3.39)	56.0 (76.1)/3600	244 (538)	888.4×565×643.5 (34.98×22.24×24.98)
4JH2-DTE	4	82×86 (3.29×3.39)	65.0 (88.4)/3600	246 (542)	898.3×561×643.5 (35.37×22.09×24.98)
4JH2-DTBE	4	82×86 (3.29×3.39)	65.0 (88.4)/3600	244 (538)	888.4×565×643.5 (34.98×22.24×24.98)
4JH2-UTE	4	82×86 (3.29×3.39)	74.0 (100.6)/3600	246 (542)	898.3×561×643.5 (35.37×22.09×24.98)
4JH2-UTBE	4	82×86 (3.29×3.39)	74.0 (100.6)/3600	244 (538)	888.4×565×643.5 (34.98×22.24×24.98)
4LH-TE	4	100×110 (3.94×4.33)	81.0 (110.1)/3300	370 (815.7)	1058.2×649×726 (41.66×25.55×28.58)
4LH-HTE	4	100×110 (3.94×4.33)	103.0 (140.0)/3300	380 (837.7)	1058.2×649×726 (41.66×25.55×28.58)
4LH-DTE	4	100×110 (3.94×4.33)	125.0 (70.0)/3300	406 (895.1)	1058.2×673×726.3 (41.66×26.50×28.59)
6LY-UTE	6	100×110 (3.94×4.33)	231.7 (315.0)/3300	593 (1307)	1316×716×709 (51.81×28.19×27.81)
6LYM-UTE	6	100×110 (3.94×4.33)	231.7 (315.0)/3300	495 (1091)	1251.9×716×709 (49.29×28.19×27.91)
6CX-ETE	6	110×125 (4.33×4.92)	308.9 (420.0)/2700	990 (2183)	1607×869.5×917.5 (63.27×34.23×36.12)
6CXM-ETE	6	110×125 (4.33×4.92)	308.9 (420.0)/2700	820 (1808)	1504×869.5×917.5 (59.21×34.23×36.12)

AVAILABLE DRIVES

Drive / Series	Straight	Angle	V-drive	Saildrive
GM	●		●	●
JH2	●	●		●
LH		●		
JH2	●	●		
LH		●		

Certificate No. FM23056

Certificate No. JMI-0099

ISO 9001 Certified

These products have been developed, designed and manufactured in accordance with the Standards for Quality System of ISO 9001 (International Organization for Standardization) under the following authorized institutions: JMI (JMI Institute), BSI (British Standards Institution) and EQNET (The European Network for Quality System Assessment and Certification) through BSI.

Certified under the following standards: ISO 9001 - 1987/ BS 5750: Part 1 : 1987/ EN 29001 - 1987/ JIS Z9901 - 1991

Note: All data subject to alteration without notice.

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