





KATSUHIRO FUKUDA

Chief Engineer

The latest high-spec, high-output outboards all require high-octane fuel. As far as we know, there is no outboard over 300 horsepower that runs on RON 91, which is regular fuel in some markets.

The reality is, not everyone in the world can easily obtain high-octane fuel. Despite this, we wanted all of our Suzuki fans to be able to experience and enjoy our newest technology, no matter where they are in the world. We wanted them to be able to try the engine with the same fuel as the DF2.5. That is how the DF325A came to be.

The DF325A is packed with the very latest outboard technologies. Among them, we are confident that the Dual Propeller System will provide the ultimate boating experience.

Slick acceleration delivers a straight and true response. The DF325A has the ability to trace the exact line that the driver imagined - as if it were running on a rail. It's also got brilliant deceleration with a total of 6 blades moving at the same time - yet another Suzuki innovation.

Suzuki's outboards are continually developed and evolved with our customer's needs in mind and they are still evolving as we speak.

Experience Suzuki's newest high-end model, the one worthy of being named the ULTIMATE four stroke outboard.









rotates in a different direction, balancing the turning.

THE COMPRESSION RATIO SOLUTION

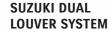
Designing the ultimate Suzuki outboard with more power is always done against the benchmarks of lighter weight and more power. The new DF325A features our proven 4.4 litre displacement block giving tremendous torque and making it the largest displacement V6 on the market today. Plus, with a compression ratio of 10.5:1 the DF325A also delivers impressive fuel economy and reliability.

DUAL INJECTORS FOR BOTH COOLING AND POWER

Injecting fuel achieves two things, it atomises the fuel and it cools the cylinder.

To provide the power and cooling needed, the fuel must be completely injected at precisely the right time and angle. The all new Dual Injector System uses two smaller injectors giving immense precision, improved atomisation and increased fuel efficiency.





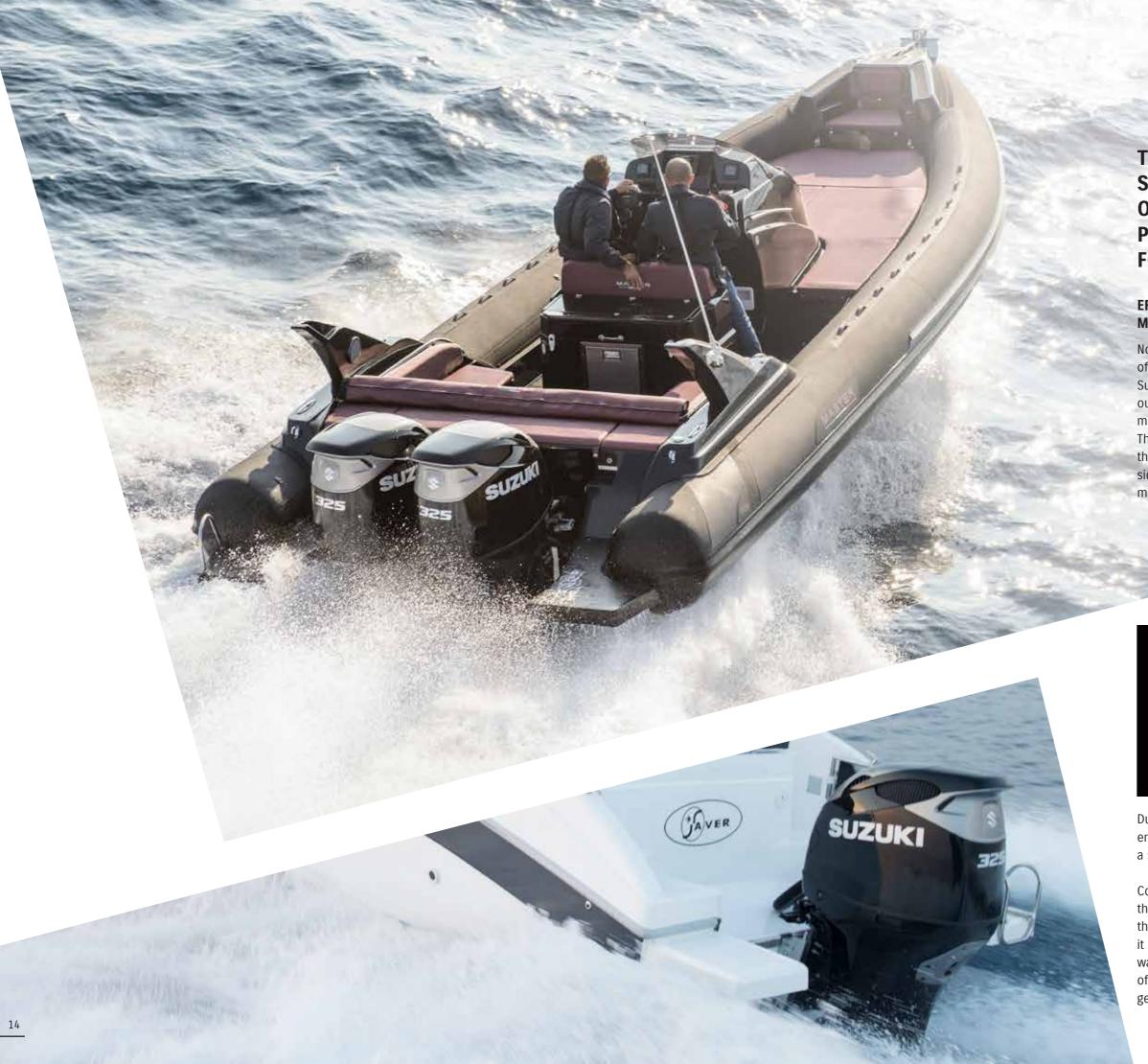
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Achieving a flow of cooler, dry air directly into the engine is made possible by the unique combination of the Direct Intake System and the Dual Louver System. This revolutionary approach ensures a direct flow of air whilst eliminating water intake, even in the face of the most severe on-water testing.

The Dual Louver System incorporates a double shield of blades, each one designed in a dog-leg shape. The outer row of blades removes the spray from the boat and the inner louvers capture and drain the remaining mist. As a result, intake air is free of moisture and kept close to ambient temperature.





THE NEW DF325A IS ANOTHER SIGNIFICANT ADVANCE IN OUTBOARD TECHNOLOGY AND POWER, GIVING YOU THE ULTIMATE FOUR STROKE OUTBOARD.

EFFICIENCY AND BALANCE USING MULTIPLE OUTBOARDS

Normally, when using multiple outboards, a combination of standard and counter rotating engines are mounted. Suzuki Selective Rotation, available on our AP series outboards, eliminates the need for different models, as any model can be easily programmed to run in either direction. The DF325A's contra-rotating propeller technology takes this process one step further by enabling mounting either side at the same time as eliminating steering torque and maximising true and straight propulsion forces.

DUAL WATER INLET



Dual water inlet is a technology developed to cool the engine with minimal friction loss, using a combination of a small water pump and dynamic water pressure.

Conventional outboards have water inlets on the side of the strut of the gear case. However, at very high speed, the water pressure at the strut surface is reduced, making it difficult to maintain stable water suction. The DF325A has water inlets on the tip of the gear case, taking advantage of the dynamic pressure caused by the movement of the gear case through the water.



OUR PROVEN TECHNOLOGIES ARE BACK IN THE DF325A



SUZUKI'S LEAN BURN CONTROL SYSTEM

Our innovative Lean Burn Control System was first introduced on the DF90A/80A/70A to great acclaim. The system predicts fuel needs according to operating conditions, allowing the engine to run on a

leaner, more efficient air-fuel ratio. It delivers its benefits over a wide operating range, providing significant improvements in fuel economy from low-speed operation into the cruising range. In combination with Suzuki Precision Control electronic throttle and shift system, the operator can precisely, and smoothly, increase or decrease engine RPM for significantly improved fuel economy.





QUIET OPERATION

Suzuki outboards have long been noted for their quiet operation. In fact, they run so quietly that some users have thought the engine was switched off. To ensure this same level of quiet operation,

The DF325A is fitted with a resonator on the intake manifold. Often overlooked as a noise source, air drawn into the intake manifold at high velocities can generate a harsh noise. Adding the resonator reduces such noise, keeping the engine operation exceptionally quiet. We have taken sound quality into consideration over the entire speed range and both skipper and passengers alike will be impressed with both the quietness and engine sound, especially when idling or trolling.



LARGE REDUCTION GEAR RATIO (Powerful Propulsion)

Suzuki's sophisticated technologies deliver a large reduction gear ratio.



OFFSET DRIVESHAFT

Suzuki outboards are among the most compact

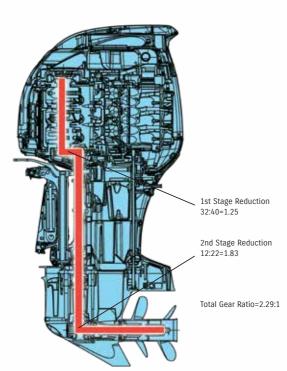
outboards in their respective classes. That's due in part to our proven offset driveshaft system. This design places the crankshaft in front of the driveshaft through the use of intermediate gear reduction. In addition to providing an increase in power performance and adding to the compactness of the outboard, this system moves the outboard's centre of gravity forward, resulting in better weight distribution and balance, more directional stability, and less vibration.



2-STAGE GEAR REDUCTION

The DF325A outboard also incorporates a 2-Stage

Gear Reduction which results in a large reduction gear ratio. It delivers powerful torque for quick acceleration and great top-end speed.







ADVANCED TECHNOLOGY THAT DELIVERS THE **UTMOST IN PERFORMANCE VVT (VARIABLE VALVE TIMING)**

Our engineers designed the 4.4-litre V6 engine with an aggressive cam profile that delivers maximum output and performance at high rpm. In coupling this cam profile with our advanced Variable Valve Timing (VVT), the DF325A delivers the additional torque that outboards need for accelerating in the low to midrange. WT achieves this by adjusting the timing of the intake valves, allowing them to open before the exhaust valves are fully closed, creating a momentary overlap in the timing where both sets of valves are open. Using VVT, this overlap can be increased or decreased by altering intake timing with the camshaft resulting in optimum timing for low and mid-range operation.



SUZUKI PRECISION CONTROL (Electronic Throttle and Shift Systems)

This technologically advanced system is a computer-based driveby-wire control system that eliminates the friction and resistance of

mechanical control cables. Operation is smooth and precise with crisp, immediate shifting that is most evident in the low rpm range and when manoeuvring around the marina and in close quarters. The system is configurable for single, twin, triple, or quad installations, and for dual stations.







SELF-ADJUSTING TIMING CHAIN

The timing chain runs in an oil-bath, so it never needs lubricating, and is equipped with an automatic hydraulic tensioner, so it remains properly adjusted at all times. Simple,

effective and maintenance-free.



SUZUKI TROLL MODE SYSTEM

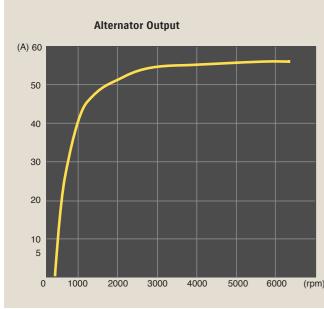
The Troll Mode System provides finer control over engine speed at low rpms to keep your boat moving at a constant speed while trolling. When the system is engaged, revs are controlled with an independent

control switch that adjusts engine revs in 50rpm increments over a range spanning from idle to 1,200rpm. The system includes a control switch, which can be mounted nearly anywhere on the console, and a tachometer, and is compatible with our SMIS digital gauges or the dual scale analogue gauges.

OUR PROVEN TECHNOLOGIES ARE BACK IN THE DF325A

HIGH OUTPUT ALTERNATORS

Today's boats are equipped with a wide array of electronics that demand an ample flow of power to keep them running. With that in mind, our engineers have equipped the DF325A with an alternator that produces a majority of its maximum 54A (12V) output with the motor running at a low 1,000 rpm-enough power for most circumstances.



SINGLE CHARGING SYSTEM

CONVENIENT DUAL CIRCUIT CHARGING SYSTEM

The DF325A incorporates a dual circuit charging system that can be adapted* to accommodate the dual-battery configurations often used on large boats. When used in this configuration the system is designed to charge both the main and auxiliary

FUEL COOLER

Lower temperature fuel is denser, and dense fuel delivers more performance. A fuel cooler in the DF325A's fuel delivery system cools the fuel before it enters the engine, resulting in better combustion and improved performance.



SUZUKI'S ANTI CORROSION FINISH

Our Anti-Corrosion Finish is specially formulated to increase the durability of the engine and help protect parts of the aluminium exterior that are constantly exposed to fresh and saltwater. This advanced finish offers maximum bonding to the outboard's aluminium surface, creating an effective treatment against corrosion



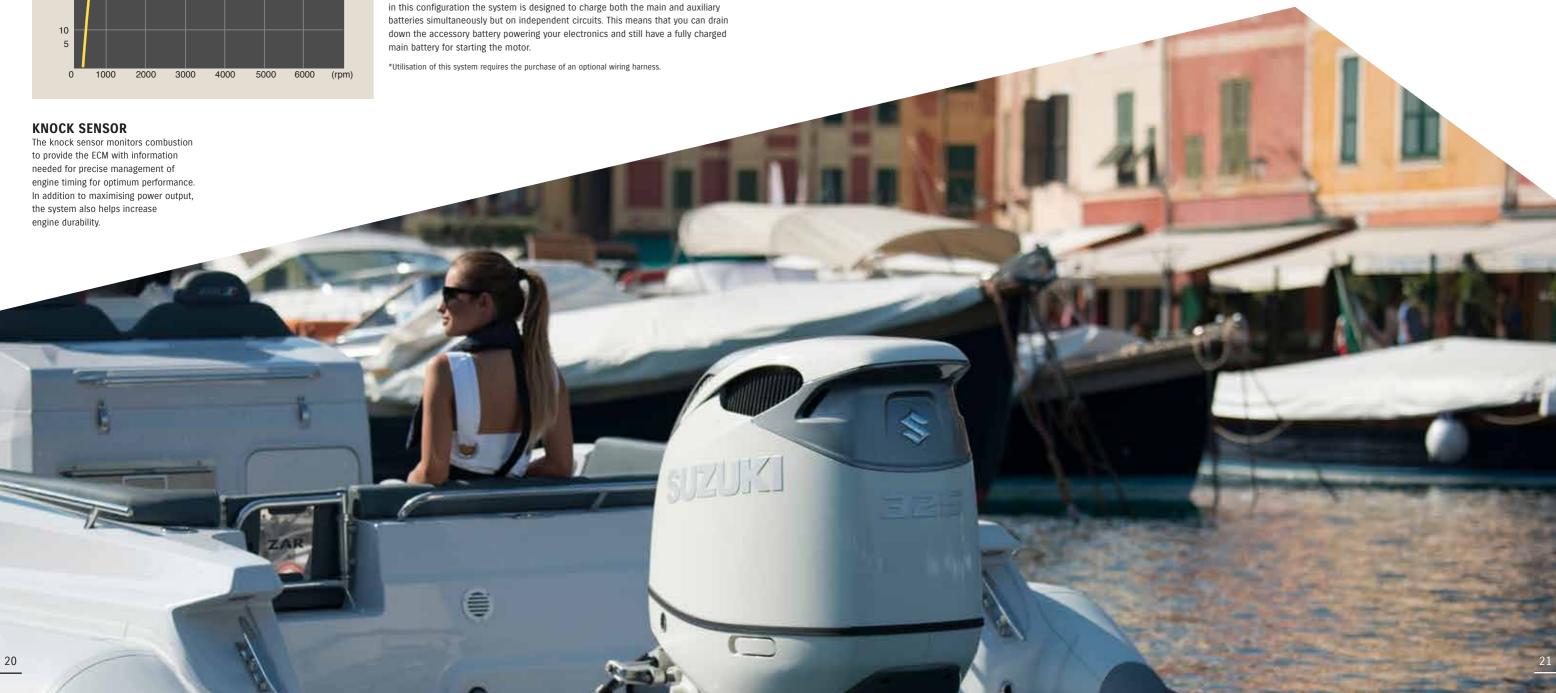
CARB Three-Star Label



Directive 2013/53/FU

CLEANER, MORE EFFICIENT OPERATION

Our advanced four-stroke engines conform to the emissions standards set forth by the Recreational Craft Directive (RCD II)-Directive2013/53/EU of the European Parliament and of the Council, and have received three-star Ultra Low Emissions ratings from the California Air Resources Board (CARB).



SPECIFICATIONS

MODEL	DF325A	
RECOMMENDED TRANSOM HEIGHT mm (in.)	X:635 (25)	XX: 762 (30)
STARTING SYSTEM	Electric	
WEIGHT kg*1	X:330	XX : 339
ENGINE TYPE	V6 - 55° DOHC 24-Valve	
Valve Train Drive	Chain with Variable Valve Timing	
FUEL DELIVERY SYSTEM	Electronic Fuel Injection	
NO. OF CYLINDERS	6	
PISTON DISPLACEMENT cm³ (cu.in.)	4,390 (267.9)	
BORE × STROKE mm (in.)	98 (3.74) x 97 (3.82)	
MAXIMUM OUTPUT kW (PS)	239.0 (325)	
STEERING	Remote	
FULL THROTTLE OPERATING RANGE rpm	5,300 - 6,300	
OIL PAN CAPACITY ℓ	8.0	
IGNITION SYSTEM	Fully-transistorised	
ALTERNATOR	12V 54A	
ENGINE MOUNTING	Shear Mount	
TRIM METHOD	Power Trim and Tilt	
GEAR RATIO	2.29:1	
GEAR SHIFT	F-N-R (Drive-by-Wire)	
EXHAUST	Through Prop Hub Exhaust	
PROPELLER SELECTION (Pitch)*2 All propellers are the 3-blade type	FRONT: 3×15 1/2×15.0-31.5 REAR: 3×15 1/2×15.0-31.5	

^{*1:} Dry Weight: Including battery cable, not including propeller and engine oil. *2: Please enquire at your local dealer for details of the propeller.

DIMENSIONS

