



THE
ULTIMATE
OUTBOARD MOTOR

PRODUCT INFORMATION DF140BG/DF115BG

Drive by wire



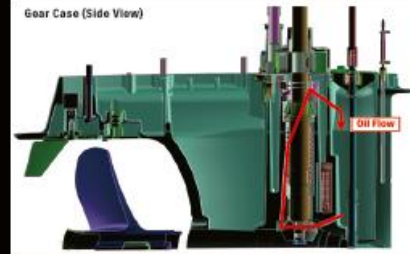
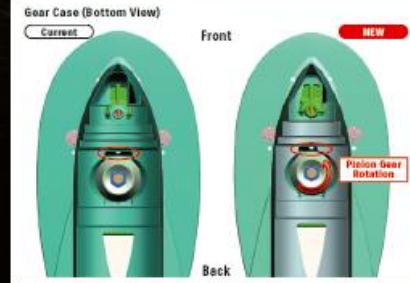
High Durability

Improved Gear Case

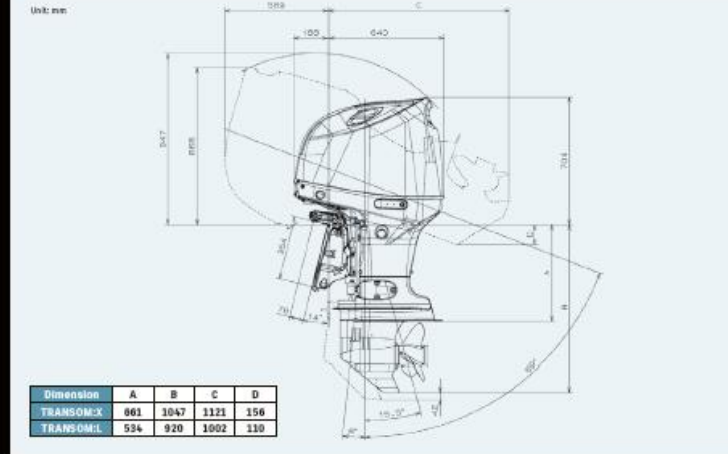
- By optimizing the gear oil passage, the spinning pinion gear generates negative pressure and it helps gear oil circulation.

Advantage

- It lowers gear oil temperature and contributes to the increased durability of pinion gear.



DIMENSIONS



FEATURE & SPEC SHEET

DF140BG / DF115BG FEATURES		DF140BG / DF115BG SPEC	
BODY COLOR	BLACK	RECOMMENDED TRANSOM HEIGHT (mm)	L:511 / X:638
	NEW WHITE	STARTING SYSTEM	Electric
SUZUKI PRECISION CONTROL (SPC)	●	WEIGHT (kg)	DF140BG : 188/192, DF115BG : 190/194
NEW DYNAMIC & SMOOTH DESIGN	●	ENGINE TYPE	DOHC 16-Valve
RESONATOR INTEGRATED WITH THE SILENCER	●	FUEL DELIVERY SYSTEM	Multi-Point Sequential Electric Fuel Injection
OFFSET DRIVE SHAFT	●	NO. OF CYLINDERS	4
2-STAGE GEAR REDUCTION SYSTEM	●	PISTON DISPLACEMENT (cm ³)	2,046
NEW DESIGNED AIR INTAKE SYSTEM	●	COMPRESSION RATIO	10.6
SUZUKI WATER DETECTING SYSTEM	●	BORE X STROKE (mm)	86 X 38
SUZUKI LEAN BURN CONTROL SYSTEM	●	MAXIMUM OUTPUT (kw)	84.6 / 103
UPGRADED COMPRESSION RATIO	●	FULL THROTTLE OPERATING RANGE (rpm)	DF140BG : 5,600-6,200 DF115BG : 5,000-6,000
UPGRADED VENTILATION FUNCTION	●	STEERING	Remote
EASY ACCESS OIL FILTER	●	OIL PAN CAPACITY (L)	5.5
EASY ACCESS FUEL FILTER	●	RECOMMENDED FUEL	ROMB1 / AK187
OIL SPILL CATCHER	●	IGNITION SYSTEM	Fully-transistorized
USABLE OIL LEVEL GAUGE	●	ALTERNATOR	20A/700rpm, 40A/6000rpm
DUAL ENGINE FLUSH PORT	●	ENGINE MOUNTING	Share Mount
DIRECT IGNITION	●	TRIM METHOD	Power Trim and Tilt
SELF-ADJUSTING TIMING CHAIN	●	GEAR RATIO	2.59 : 1
O ₂ SENSOR FEEDBACK CONTROL SYSTEM	●	GEAR SHIFT	F-N-R
LARGE CAPACITY FUEL PUMP	●	EXHAUST	Through Prop Hub Exhaust
ZINC-CONTAINING RUSTPROOF COATING BOLT	●	PROPELLER SELECTION (PITCH)	15°-28°(RR), 17°-28°(CR)
SUZUKI TROLL MODE SYSTEM ¹⁾	○		
TILT LIMIT SYSTEM	●		
SUZUKI ANTI-CORROSION SYSTEM	●		
SDSM ²⁾	○		
KEYLESS START SYSTEM	●		
SUZUKI EASY START SYSTEM	●		
OVER-REV. LIMITER	●		
LOW OIL PRESSURE CAUTION	●		

○: Standard Equip. □: Optional Equip.

¹⁾: Available with SMO, SMO2, or Troll Mode Switch Panel. ²⁾: Available with SMO or SMO2



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9886-C20M-001 DF140BG/DF115BG Product Information ©2018 Printed in Japan 2018



DF115BG



World's First Drive By Wire Model in 4-stroke 140/115PS*

*140PS(103kW), 115PS(84.6kW)

DF140A/115A's Reliability & Fuel Efficiency + Cutting Edge Technology

Drive By Wire

■ Operation from the remote control is delivered to outboard via an electric signal and not by the traditional mechanical control cables.

Advantage

- Smooth Shift & Operation
- Easy Rigging
- Increased Fuel Efficiency
- Luxury Remote Control



Dynamic & Smooth Design



Easy Maintenance

■ Designed to be easy maintenance for the benefits of the customers

Advantage

- Easy access oil filter: Can be replaced simply by removing the top cover
- Oil Spill Catcher: A tray is added around the oil filter to catch oil which comes out when exchanging the oil filter
- Oil Level Gauge: Able to use Φ15 oil changer hose



Easy access Oil Filter



Oil Spill Catcher & Oil Level Gauge

DF140BG

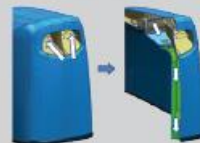
DURABILITY & RELIABILITY

Newly Designed Air Intake System

■ The air intake structure was reviewed

Advantage

- Delivers higher power output
- Increased ability to remove water from air taken into cowl
- Decrease in the air intake temperature



Direct Ignition

■ Integrates the ignition coils into the spark plug caps

Advantage

- Reduces the number of parts and simplifies the wiring system
- Removing the high tension cord enables the ignition to generate spark efficiently which leads to the improvement of combustion efficiency



Ignition Coil

Water Detecting System

■ It helps to protect the engine from water in the fuel

- Using bigger fuel filter than DF140A/115A
- Optimized Fuel Filter position

Advantage

- Can avoid water in fuel
- Increased Durability & Reliability
- Easy replacement of fuel filter



Bigger Fuel Filter

More Features to contribute to Durability

- Large capacity Fuel Pump : Capable to rig on various kinds of boats
- Optimized O₂ Sensor mounting position : Increased Durability
- Using Zinc-containing Rustproof Coating bolt : Increased Durability

EASY & COMFORT

Quiet Operation

■ Intake noise is suppressed with a resonator, which makes the noise from the outboard quieter.

Advantage

- Less noise, making boating more pleasant.



Alternator Output

■ Newly designed ventilation which cools the coils better

Advantage

- 3Amp better alternator output at Idle speed range that is roughly equivalent to the necessary output of SMD12/SMD16.

PERFORMANCE

High Compression Ratio

■ To achieve the optimized mask, port and piston combination, the shape of parts was simulated over 1,000 combinations and then tested thoroughly with the carefully selected parts.

Advantage

- Achieved 10.6 Compression Ratio which contributes to high torque.



Offset Drive Shaft



■ The engine powerhead is positioned closer to the front, moving the outboard's center of gravity forward.

Advantage

- Less vibration
- More compact
- Stable steering performance

2-Stage Gear Reduction



■ This system which incorporates the Offset Driveshaft features a first stage reduction between the crankshaft and drive shaft, and a second stage reduction inside the gear case.

Advantage

- High Torque even with big loads.
- Powerful enough to rotate larger propeller

ECOLOGY & ECONOMY

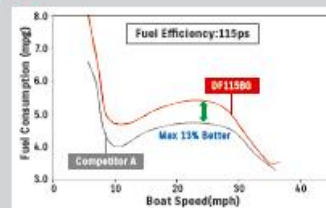
Lean Burn Control System



■ The Lean Burn Control System supplies the appropriate amount of fuel and air mixture depending on the navigation conditions.

Advantage

- Significant improvement in fuel economy in all speed ranges especially at cruising speed.
- Fuel is saved and gasoline costs are cut thanks to improved fuel economy.



Based on the Suzuki's test data.
*This fuel data may vary depending on the condition.

