



powering **marine** safety

# BUKH H345

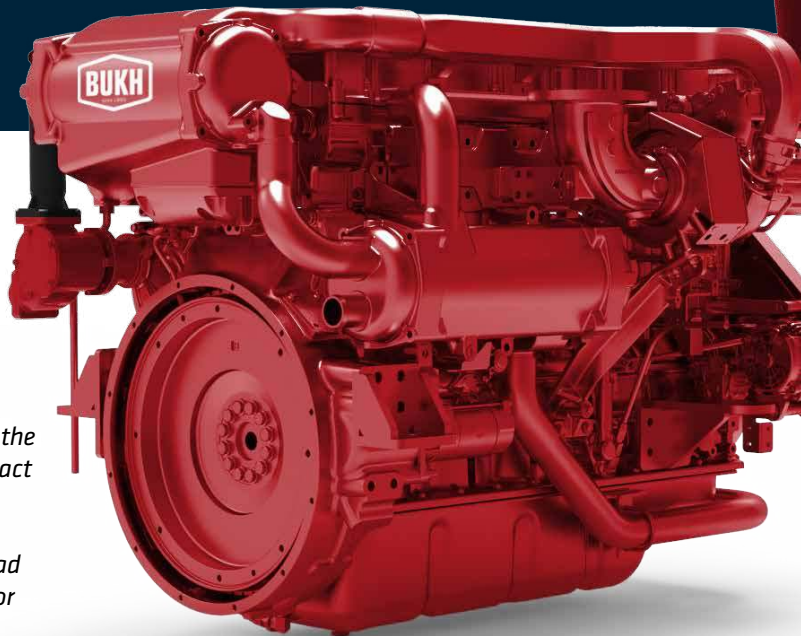
## BUKH SOLAS MARINE DIESEL ENGINE H10 SERIES - 345 HP (253,8 KW)

*This modern, electronically controlled design delivers 345 PS and 152 kg·m of torque from the powerful 10 liter in-line 6 cylinder engine.*

*The broad flat torque curve proves world-class diesel development and beats performance of competition models.*

*State-of-the-art fuel management system featuring Electronic Unit Injectors (EUI). The electronic engine control system makes the engine lighter, more quiet and fuel efficient with excellent compact dimensions.*

*The unique one-piece CGI (Compacted Graphite Iron) cylinder head makes the engine lighter and quieter than conventional heads for more comfort onboard.*



### TECHNICAL DESCRIPTION:

#### ENGINE

- 6 cylinder in-line, 24 valve OHC
- Compacted Graphite Iron (CGI) cylinder head
- Cast iron cylinder block
- Gallery oil-cooled long lasting mono steel pistons
- Integrated water jacket
- Single serpentine belt system
- Drive belt auto tensioner

#### AIR INLET SYSTEM

- Reusable air filter
- Intake extension kit (Optional)

#### FUEL SYSTEM

- Electronic Unit Injector (EUI)
- Gear-driven fuel pump
- Electronically controlled injection timing
- Fine fuel filter and water separator

#### ENGINE MOUNTING

- Adjustable engine mounts (Optional)

#### ELECTRICAL SYSTEM

- 24 volt - 70A alternator
- Auxiliary engine stop button
- Air heating system for a trouble-free cold start
- NMEA2000 converter (Optional)
- 2 pole system (Optional)

#### COOLING SYSTEM

- Gear-driven seawater pump
- Seawater-cooled intercooler, heat exchanger
- Auxiliary connection for cabin heating
- Corrosion resistant material for seawater circuit
- Easily accessible rear mounted seawater impeller pump

#### LUBRICATION SYSTEM

- Easily exchangeable oil filter cartridge
- Integrated oil-cooler in cylinder block
- Closed system with forced feeding
- Eco type oil filter
- Electric oil extraction pump
- Gear-driven engine oil pump
- Washable auxiliary cyclone oil filter

#### EXHAUST SYSTEM

- Engine coolant cooled exhaust manifold
- Cast iron exhaust elbow
- E-VGT (Electric Variable Geometry Turbocharger)

#### INSTRUMENT BOX ASSEMBLY

- Engine self-protection and diagnosis
- Displays CAN information
- Displays engine diagnostic error codes
- Audible alarm and control lamps
- Idle & PTO rpm adjustable switch

#### EMISSIONS

- IMO Tier II
- EPA Tier III
- RCD II

#### TYPE APPROVAL OPTIONS

- EIAPP

As BUKH is always endeavouring to improve the engines, specifications mentioned are subject to alterations without previous notice.

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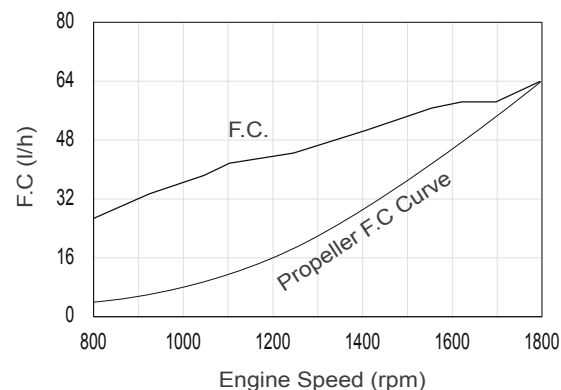
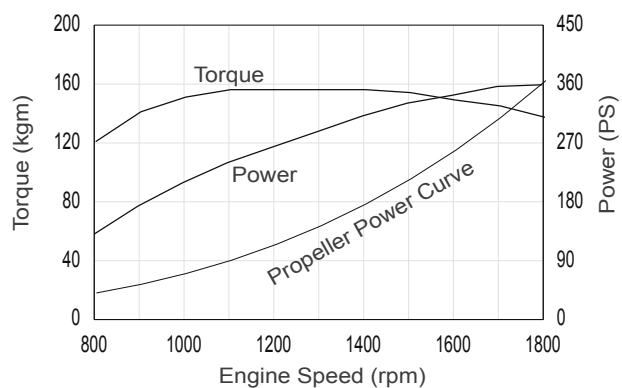
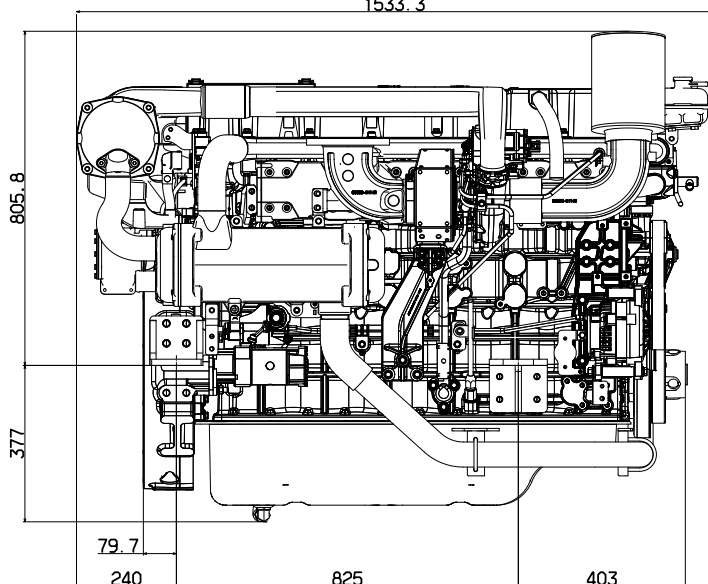
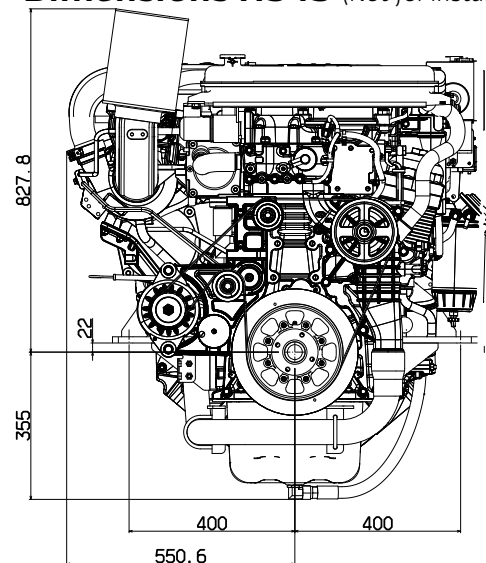
## BUKH SOLAS MARINE DIESEL ENGINE



### Specifications H345

|                            |                                                                |
|----------------------------|----------------------------------------------------------------|
| Propulsion System          | Shaftdrive                                                     |
| Engine Duty Rating         | Heavy Duty (S1)                                                |
| Configuration              | 4-stroke, 24-valve DOHC, E-VGT with intercooler, water cooling |
| Output [PS (kW)]           | 345 (253.8)                                                    |
| Rated RPM                  | 1,800                                                          |
| Cylinders                  | In-line 6                                                      |
| Displacement [cc]          | 9,960                                                          |
| Bore X Stroke [mm]         | 122 X 142                                                      |
| Compression Ratio          | 16.0 : 1                                                       |
| Max. Torque                | 152 kg·m @ 1,100 rpm                                           |
| Injection System           | Electronic Unit Injector (EUI)                                 |
| Alternator                 | 24V-70A                                                        |
| Engine Diagnosis           | YES                                                            |
| Max Fuel Consumption [l/h] | 66.8                                                           |
| Dry Weight [kg]            | 1,120                                                          |
| Flywheel                   | SAE 14                                                         |
| Flywheel Housing           | SAE 1                                                          |

### Dimensions H345 (Not for installation)



SOLAS approved by Det Norske Veritas  
Notified Body: No. 0575