

# TECHNICAL DATASHEET



# SABB K85

83,0 BHP / 61,9 KW @ 2800 RPM



SABB Kubota engines are based on core engines from Kubota Corporation Ltd. in Japan. Kubota, as a core engine manufacturer is one of the worlds leading brands within marine and industrial diesel engines, as well as a leading supplier of diesel generator sets.

## TECHNICAL SPECIFICATIONS

Base engine make	: Kubota Corporation	Alternator capacity	V-A : 12-90
Rotation	: CCW from rear	Fuel oil consumption	l/h : 16,7
Injection	: DI, Turbocharged	Sump oil capacity	litres : 11,0
No of cylinders	: 4	Engine length	mm : 1015,0
Bore	mm : 94	Engine width	mm : 630,0
Stroke	mm : 120	Engine height	mm : 730,0
Cylinder volume	cm <sup>3</sup> : 3331	Engine dry weight	kg : 305
Firing order	: 1 - 3 - 4 - 2	Weight w/gearbox	kg : 325
Compression ratio	: 20:1	Max inclination	: 30° All directions
Output @ 2800 rpm	: 61,9 kW / 83,0 BHP	Engine colour	: SABB blue
Gearbox type*	: ZF 25M		
Gearbox ratio	: 1.880 / 2.273		

\* Other gearboxes possible on request.  
Specification are subject to change without notice.

**SABB K series lifeboat engine** is based on Kubota engines. This renowned engine manufacturer has carefully been chosen by our company to combine the advantages of large scale production and competitive prices with the experience and knowledge of Frydenbø Sabb Motor AS in the completion of the lifeboat engines.

### Standard equipment

According to SOLAS 74 / IMO 83 for engines for partially / totally enclosed lifeboats.

- 1-pole electrical system
- Power take off for sprinkler pump
- Alternator radio interference suppression
- Engine inversion stop service
- Sump drain pump
- Self-bleeding fuel system
- Instrumentation / alarm function
- Parts list / operator's manual
- Instruction labels
- Work test certificate
- Toolkit

### Program tests

- Cold starting at minus 15°C within 2 minutes.
- Operation for minimum 5 minutes immersed in water to centre of crankshaft.
- Inversion of running engine through 360 degrees (Capsize test).
- Out-of-water test of engine to simulate operation before launching lifeboat.

### Optional equipment

- 42V / 220V water jacket heater
- Extra start system: Electric / Hydraulic /Spring starter
- P16 sprinkler pump w/bracket
- Triple battery charging diodes
- Spare parts kit

### Certifications

- DNV

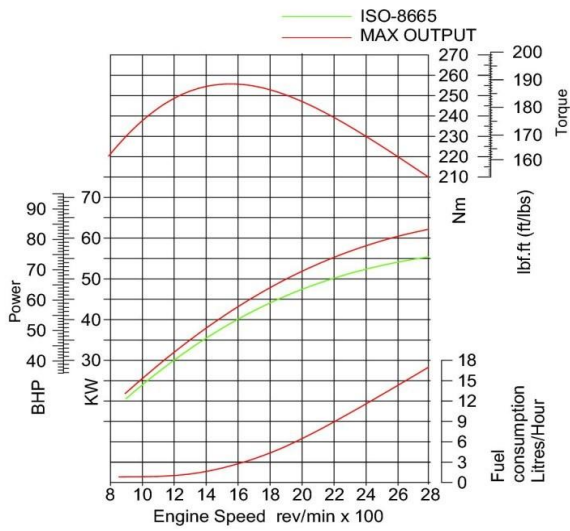


## Frydenbø Industri AS

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## PERFORMANCE CURVE



FUEL CONSUMPTION BASED ON THEORETICAL PROPELLER LOADING - MATCHED AT FULL SPEED.

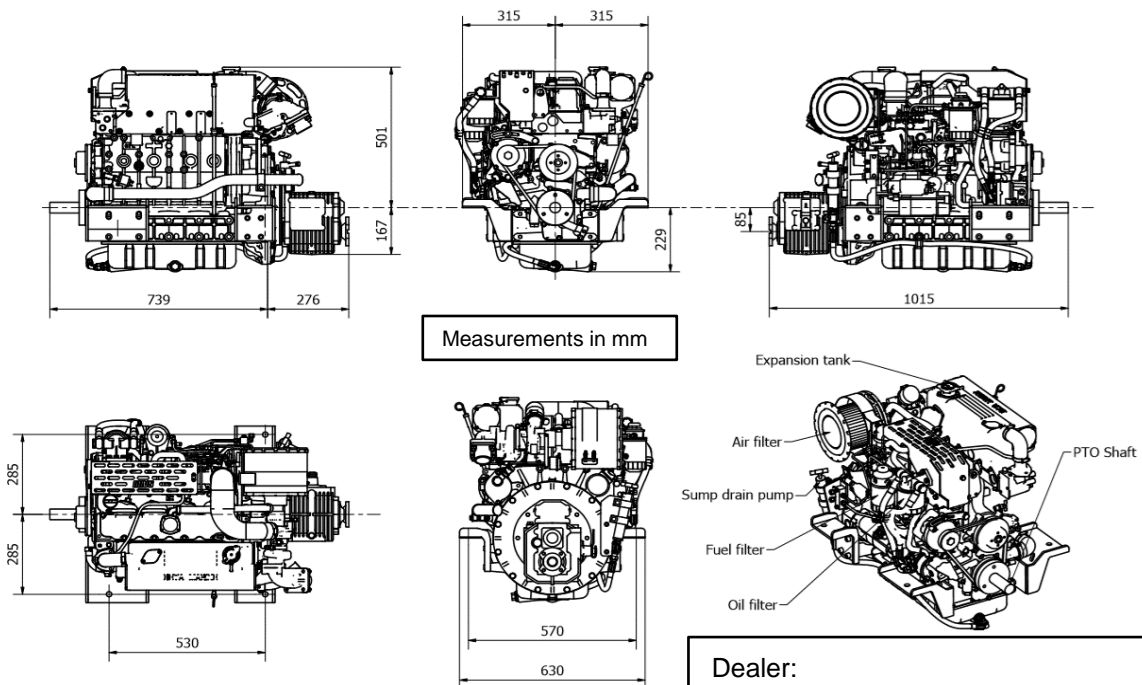
## INSTRUMENT PANEL

- Wide selection of instrument panels.
- Custom instrument configurations available on request.
- Sealed IP66 instrument panel available on request.



IP 66  
Rating

## GENERAL DIMENSIONS



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