DNV·GL

Certificate No:
MEDB000034G

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV GL AS under the authority of the Government of the Kingdom of Norway.

This is to certify:

That the Rescue boat propulsion engine-outboard engine

with type designation(s)
Mercury 4-stroke Outboard Engines "See product description page 2"

Issued to
Mercury Marine - Division of Brunswick
Fond Du Lac WI, United States

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2017/306,**
item No. MED/1.37. SOLAS 74 as amended, Regulation III/4 & X/3 and LSA Code

Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2022-10-19**.
Issued at **Høvik** on **2017-10-20**

DNV GL local station:
Certification & Inspection Services

Approval Engineer:
Tin Nguyen

Notified Body
No.: **0575**

for **DNV GL AS**
Digitally Signed By: Hannevik, Svein-Olav
Location: DNV GL Høvik, Norway
, on behalf of

Vidar Dolonen
Head of Notified Body

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

NORWEGIAN ACCREDITATION PROD 019

Product description

Engine designation (Platform)	Mercury 15/20 **(Note 1)**	Mercury 25/30 **(Note 2)**	Mercury 30/40 **(Note 3)**	Mercury 40/50/60 **(Note 4)**
Power (HP)	15/20	25/30	30/40	40/50/60
Type	4-stroke carbureted	4-stroke EFI	4-stroke EFI	4-stroke EFI
No. of Cylinders	2	3	3	4
Bore (mm)	61	61	65	65
Stroke (mm)	60	60	75	75

Engine designation (Platform)	Mercury 65Jet/75/80/90/100/115 FourStroke **(Note 5)**	Mercury 150 FourStroke **(Note 6)**
Power (HP)	65/75/80/90/100/115	150
Type	4-stroke EFI	4-stroke EFI
No. of Cylinders	4	4
Bore (mm)	90	101.6
Stroke (mm)	81	92

Note 1) This platform includes standard 15-20 and BF (Big Foot) version 15 engines. The difference in power is made by altering the induction/ignition system.
Place of production: TMC, Komagane, Japan.

Note 2) This platform includes standard 25-30 and Jet version 30 engines. The difference in power is made by altering the electronic ignition module.
Place of production: TMC, Komagane, Japan.

Note 3) This platform includes standard 30-40 engines. The difference in power is made by altering the electronic ignition module.
Place of Production: Mercury Marine, Suzhou, China, Plant 58

Note 4) This platform includes standard 40-50-60, BF (Big Foot) version 40–50-60 and Jet version 40 engines. The difference in power is made by altering the electronic ignition module.
Place of Production: Mercury Marine, Suzhou, China, Plant 58

Note 5) This platform includes standard 75-80-90-100-115 and 65 Jet version engines. The difference in power is made by altering the electronic ignition module. 65 Jet shares the same components as the rest of the engine family; the power difference is a result of the use of a jet pump instead of a propeller.
Place of production: Mercury Marine, Fond du Lac, WI, Plant 15.

Note 6) This platform includes standard 150 engine
Place of production: Mercury Marine, Fond du Lac, WI, Plant 15.

Application/Limitation

The engines are approved for use as propulsion engines for life boats and rescue boats.

Type Examination documentation

Operation and maintenace manuals for the above specified engines.
Applicable Mercury outboard brochures.

Tests carried out

Engine designation	Mercury 15/20	Mercury 25/30	Mercury 30/40	Mercury 40/50/60
Test report	ANT12-1240-1	ANT12-1240-2	ANT12-1240-3	ANT12-1240-5
Result	Passed the test for lifeboat/ rescue boats propulsion	Passed the test for lifeboat/ rescue boats propulsion	Passed the test for lifeboat/ rescue boats propulsion	Passed the test for lifeboat/ rescue boats propulsion

Engine designation	Mercury 65Jet/75/80/90/100/115 FourStroke	Mercury 150 FourStroke
Test report	ANT-13-1392-1	ANT-13-1392-2
Result	Passed the test for lifeboat/ rescue boats propulsion	Passed the test for lifeboat/ rescue boats propulsion

All test where carried out at Brunswick EMEAs premises in Verviers, Belgium and witnessed by personal from DNV GL Antwerpen office.

Marking of product

The product is to be indelibly marked with name and address of manufacturer, type designation, and date of manufacture. In addition, the manufacturer shall affix the Mark of Conformity followed by the DNV GL Notified Body No. 0575 and the production year (4 digits).

Mark of Conformity

The manufacturer is allowed to affix the Mark of Conformity according to Directive 2014/90/EU on Marine Equipment and shall issue a Declaration of Conformity, only when the module D or E or F of Annex B in the same directive is fully complied with.

Module D: The quality system for production and testing shall be approved by the Notified Body.

Module E: The quality system for inspection and testing shall be approved by the Notified Body.

Module F: Compliance of the products to type as described in this EC Type-Examination Certificate must be verified by the Notified Body who also shall issue a Certificate of Conformity.

END OF CERTIFICATE