



EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000911

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:

that the Liferaft launching appliances (Davits)

with type designation(s)
C005HM.4G

issued to

Global Davit GmbH
Bassum, Niedersachsen, Germany

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2024/1975,

item No. MED/1.24. SOLAS 74 as amended, Regulation III/4, III/12, III/16, III/34 & X/3, LSA Code, 2000 HSC Code 8 and IMO MSC.1/Circ.1632

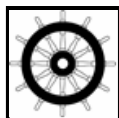
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-01-29**.

Issued at **Hamburg** on **2024-09-25**

DNV local unit:
Hamburg – CMC North/East

Approval Engineer:
Stefan Heuer



Notified Body
No.: **0098**

for **DNV SE**

Mydlak-Röder, Christine
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 SE 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to 300,000 USD.



Product description

Rescue boat / Lifteraft / Store cranes of group size 005tm (product family C005HM.4G) with life-saving winches type W01 or W02, store winches W01 and with:

- straight arm (inclination range 5° - 25°) alternatively bended arm (inclination range 5°-21°)
- hydraulic or manual slewing gear

Product name:

Rhs.L. - Rescue boat / Lifteraft crane with hydraulic slewing gear
Rms.L. - Rescue boat / Lifteraft crane with manual slewing gear
Rhs.L.S - Rescue boat / Lifteraft / Store crane with hydraulic slewing gear
Rms.L.S - Rescue boat / Lifteraft / Store crane with manual slewing gear
Lms. - Lifteraft crane with manual slewing gear
Lms.S. - Lifteraft / Store crane with manual slewing gear
Lhs. - Lifteraft crane with hydraulic slewing gear
Lhs.S. - Lifteraft / Store crane with hydraulic slewing gear

Trade name:

Identical to product name followed by (SWL_{Boat})SWL_{Raft} / R, SWL / R

SWL_{Raft} - launching weight liferaft [kN]
SWL_{Boat} - launching/ recovery weight rescue boat [kN]
SWL - safe working load [kN]
R - load radius [m]
The weights are given in [kN] (10kN = 1.0t)

Example type description:

Lms.15/3,5
- Lifteraft crane with manual slewing gear
- Launching weight rescue boat 1.5t and load radius 3.5m

Rhs.L.(12)14,6/4,0
- Combined Rescue Boat / Lifteraft crane with hydraulic slewing gear
- Launching/recovery weight rescue boat 1.2t
- Launching weight liferaft 1.46t
- Load radius 4m

Rhs.L.S.(10)12/4,0-10/5,0
- Combined Rescue Boat / Lifteraft / Store crane with hydraulic slewing gear
- Launching/recovery weight rescue boat 1.0t
- Launching weight liferaft 1.2t
- SWL store 1.0t
- Load radius life-saving 4m; load radius store 5m

The rescue boat function is not part of this certificate - subject to a separate MED B Certificate.
The store function is not part of this certificate - not subject to MED Certification.

Designer

MDO - Maritime Design Office B.V
Leusden Utrecht, Netherlands

Application/Limitation

Design temperature:	-20°C	
Operating conditions (life-saving)	20°/10°	(heel/ trim)
Load cycles	Max. 20000	
Max. SWL _{boat}	1.3t	(13kN)
Max. SWL _{raft}	1.7t	(17kN)
Max. SWL _{store}	1.5t	(15kN)

Load combinations:

Load combinations for lifesaving cranes (with or without provision function): SWL _{Raft} / SWL _{Boat} at load radius		
Jib length equal load radius	Jib length ≤ 5 m	Jib length 5 m ≤ 6.0 m
1.7t/ 1.3t at ≤ 3.5m	1.52/ 1.1t at ≤ 3.5m	1.35/ 1.0t at ≤ 3.5m
1.46t/ 1.12t at ≤ 4.0m	1.32t/ 1.0t at ≤ 4.0m	1.15t/ 0.9t at ≤ 4.0m
1.27t/ 0.97t at ≤ 4.5 m	1.18t/ 0.9t at ≤ 4.5m	1.05t/ 0.8t at ≤ 4.5m
Load combinations for store function: SWL at load radius		
SWL 1.5t at 3.0 - 3.3 m		
SWL 1.0t at 3.0 - 5.0 m		
SWL 0.8t at 3.0 - 6.0 m		
SWL [t] x Radius [m] ≤ 5 tm (General)		

Type Examination documentation

Drawing No.	Rev. No.	Title	Job ID
AB0045-LH	B	Multi-purpose crane Rhs.L.S.(11)15,2/3,5-10/5,0	M-SA-LS-P261.1C-50
AB5334-LH	A	Multi-purpose crane Rhs.L.S.(11)15,2/3,5-10/5,0	M-SA-LS-P261.1C-50
AB0019-LH	C	Crane arm A005 1125*21°	M-SA-LS-P261.1C-50
AA9892	A	Crane arm A005 1125*21°	M-SA-LS-P261.1C-50
AB0010-LH	B	Crane arm A005 1125*21°	M-SA-LS-P261.1C-50
AA9982	-	Crane arm A005 1125*21°	M-SA-LS-P261.1C-50
AB0014-LH	C	Crane arm A005 1125*21°	M-SA-LS-P261.1C-50
AA9970	-	Crane arm A005 1125*21°	M-SA-LS-P261.1C-50
AB0009-LH	A	Crane arm A005 1125*21°	M-SA-LS-P261.1C-50
AB0001	A	Crane arm A005 1125*21°	M-SA-LS-P261.1C-50
AB1083	B	Shaft 50/65*255	M-SA-LS-P261.1C-50
AA8027	-	Foundation for winch W01/02	M-SA-LS-P261.1C-50
AB1068-RH	C	Foundation for winch W01E	M-SA-LS-P261.1C-50
AA9893	A	Flange for 005 crane Quality Z-35	M-SA-LS-P261.1C-50
AB0875-LH	C	Assembly column C005H.30	M-SA-LS-P261.1C-50
AB0034	C	Assembly column C005M.30	M-SA-LS-P261.1C-50
AB0877	B	Outer column C005 Quality Z-35	M-SA-LS-P261.1C-50
AB0876	A	Main shaft 005	M-SA-LS-P261.1C-50
3-3358	A	Worm shaft C005	M-SA-LS-P261.1C-50
3-0004	B	Worm shaft C005	M-SA-LS-P261.1C-50
AA9954	A	Arrangement pedestal P005	M-SA-LS-P261.1C-50
AA9955	B	Pedestal 005	M-SA-LS-P261.1C-50
4-5124	A	Foundation flange 005	M-SA-LS-P261.1C-50
4-2534	C	Gusset plate 140x100	M-SA-LS-P261.1C-50
6-0195	-	Data for calculation life saving	M-SA-LS-P261.1C-50
6-0196	-	Data for calculation stores	M-SA-LS-P261.1C-50
3-3658	-	Arm variations A005FS without stores	M-SA-LS-P261.1C-50
3-6259	-	Arm variations A005FS with stores	M-SA-LS-P261.1C-50
7-0221	-	Load data for FEM calculation	M-SA-LS-P261.1C-50
7-0222	A	Basic parameters cranes with C005.4G	M-SA-LS-P261.1C-50
AA9960	A	Sheave house on pipe 10-12	M-SA-LS-P261.1C-50
AA9961	-	Pipe 168.3*8 L=90	M-SA-LS-P261.1C-50
AA9962	-	PI 15 190*190	M-SA-LS-P261.1C-50
AA9963	B	Shaft 50/65*80	M-SA-LS-P261.1C-50
-	0	Operation & Maintenance	M-SA-LS-P261.1C-50
3-6986	-	Definition crane arms A005	M-SA-LS-P261.1C-50
AD9749	B	Assembly column C005M.40	M-SA-SE-P261.1G-37
AD9750	B	Outer column C005M / C005ME	M-SA-SE-P261.1G-37
AA9964	D	Inner column C005	M-SA-SE-P261.1G-37
3-0002	B	Worm wheel 005 z=40	M-SA-SE-P261.1G-37

Tests carried out

According IMO-Resolution MSC.81(70) as amended, Part 1, Regulation 8.1:
Type Test Report 1282A01 witnessed by DNV dated 2017-08-01
Type test C005M.40 witnessed by DNV dated 2024-07-10

Marking of product

Marking shall be implemented in accordance with the LSA Code, item 1.2.2.9:

- Safe working load
- Type designation and serial number

the MED Mark of Conformity (see page 1) and USCG approval number, if applicable.

END OF CERTIFICATE