

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

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

This is to certify:

That the Winches for survival craft and rescue boats: (d) rescue boats

with type designation(s)
W07R.FAM

Issued to

Global Davit GmbH
Bassum, Niedersachsen, Germany

is found to comply with the requirements in the following Regulations/Standards:
Regulation **(EU) 2018/773**,
item No. MED/1.41d. SOLAS 74 as amended, Regulation III/4, III/16, III/17, III/23, III/24, III/34, X/3, LSA Code and 2000 HSC Code

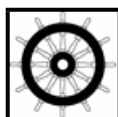
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2023-10-23**.

Issued at **Hamburg** on **2018-10-24**

DNV GL local station:
Bremerhaven

Approval Engineer:
Frank Poetsch



Notified Body
No.: **0098**

for **DNV GL SE**

Sven Dudzus
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 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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.



Product description

Winches for rescue boats, winch types W07R.FAM

Designer

Maritime Design Office bv, 3833 LD Leusden, The Netherlands

Application/Limitation

The W07R.FAM includes rescue boat winches allowing an output torque of maximum 7,3 kNm. The winches are suitable for 50 and 60 Hz and hoist their load with rope speeds exceeding 36 m/min. The rope speed during gravity lowering is between 80 and 120 m/min. Each drum section has a length of 300-700 mm. The design temperature is min. -20°C. The family is shown on the drawing 7-0227.

Type Examination documentation

Is based in the following drawings, verified with GL Ref no.: 099538/02 (d.d. 2002-06-14) and, more recently, with DNVGL Job ID: MCADE698-MDO-W07LR-1 (d.d. 2016-06-27)

Drawing No./Rev.	Drawing title
3-5765 - 0	Ass'y W07R.01 (drum 298,5 mm, i=40,63)
3-5549 - 0	Ass'y W07R.02 (drum 298,5 mm, i=47,45)
3-4899 - 0	Ass'y W07R.03 (drum 323,9 mm, i=43,59)
3-4887 - 0	Ass'y W07R.04 (drum 323,9 mm, i=50,92)
3-2463 - 0	Ass'y W07R.05 (drum 267,0 mm, i=35,59)
3-2465 - 0	Ass'y W07R.06 (drum 267,0 mm, i=40,63)
3-5547 - 0	Arrangement drum W07, 298,5*450*450
3-5417 - 0	Arrangement drum W07, 323,9*450*450
3-6860 - 0	Arrangement drum W07, 267,0*450*450
1-0754 - D	Drum 298,5*450*450 (typical drawing)
1-1355 - D	Drum 323,9*450*450 (typical drawing)
1-1197 - B	Drum 267,0*450*450 (typical drawing)
1-5083 - 0	Section gearbox, i=40,63
1-4895 - A	Section gearbox, i=47,45
1-4319 - A	Section gearbox, i=43,59
1-4309 - B	Section gearbox, i=50,92
1-6077 - 0	Section gearbox, i=35,59
1-1522 - E	Gearbox winch W07
3-1018 - F	Drum shaft supported
2-0645 - E	Toothwheel z=75/6/106/0
3-1003 - B	Pinion z=15/6/110/0,5
7-0227	Kinematic diagram

and the smaller wheels:

Winch type	W07R.01	W07R.02	W07R.03	W07R.04	W07R.05	W07R.06
Toothwheel	75/5/35/0	75/5/35/0	76/5/35/0	76/5/35/0	74/5/35/0	75/5/35/0
	4-1024	4-1024	4-1785	4-1785	4-2066	4-1024

Job Id: **344.1-008745-1**
Certificate No: **MEDB00004R9**

Pinion	18/5/51/0	18/5/51/0	17/5/51/0	17/5/51/0	19/5/51/0	18/5/51/0
	4-1029	4-1029	4-1786	4-1786	4-2067	4-1029
Toothwheel	39/5/25/0	41/5/25/0	39/5/25/0	41/5/25/0	39/5/25/0	39/5/25/0
	4-1026	4-1033	4-1026	4-1033	4-1026	4-1026
Motorpinion	20/5/45/0	18/5/45/0	20/5/45/0	18/5/45/0	20/5/45/0	20/5/45/0
	3-2286	3-2289	3-2286	3-2289	3-2286	3-2286
Crank	11/5/25/0, 5	13/5/25/0, 5	11/5/25/0, 5	13/5/25/0, 5	11/5/25/0, 5	11/5/25/0, 5
	4-1036	4-1037	4-1036	4-1037	4-1036	4-1036
Ratio	40,63	47,45	43,59	50,92	35,59	40,63

Tests carried out

According IMO Resolution MSC.81(70), amended up to MSC.323(89), Part 1, Regulation 8.1.
Type Test Report No.: 0662CD01 d.d. 2009-02-17 and, more recently, Type Test Report No. 0903B01
d.d. 2011.09.29

Marking of product

Manufacturer's name or trade mark and type designation.

END OF CERTIFICATE