



FOR ORIENTATION OF FORCES, SEE X, Y AND Z-DIRECTION ON DRAWING.  
FORCES ARE POINT LOAD AT EACH DAVIT ARM

FORCE X	FORCE Y	FORCE Z	MOM X	MOM Y	MOM Z
F1	25 kN	77,1 kN	25 kNm	69,9 kNm	33,3 kNm
			167,3 kNm		

**NOTES:**

1. ALL ELECTRIC WIRING BY YARD.
2. ALL FIELD WELDS TO BE PERFORMED ACC. TO APPROVED WPS (YARD RESPONSIBILITY). ALL FIELD WELDING IS SUBJECT TO CLASS APPR. PRIOR TO WELDING.
3. ALL FIELD WELDS SHOWN TO BE WELDED BY YARD DURING INSTALLATION.
4. WIRE LENGTHS:  
WIRE 1:  $13m + H = Xm1$   
WIRE 2:  $16,5m + H = Xm2$   
WIRE LENGTH INCLUDE 3 WRAPS ON DRUM  
H = (HEIGHT FROM STORAGE TO L.W.L. INCLUDE LIST AND TRIM.)  
Xm = Total wire length
5. ALL MAIN STEEL S355. ALL OUTFITTING STEEL S235
6. CENTER OF GRAVITY ONLY FOR DAVIT INSTALLATION
7. REACTION FORCES AS JOINT LOADS EACH SIDE, MARKED WITH NODES ON DECK INTERFACE. FOR ORIENTATION OF FORCES SEE LEGEND WITH MARKED XYZ VECTORS.
8. ALL FORCES ARE POINT LOADS, NOMINAL FORCES WITHOUT ANY FACTORS.
8. THE DAVIT IS IN ACCORDANCE WITH THE LATEST REQUIREMENTS TO SOLAS
9. STARBOARD DAVIT SHOWN. PORT SIDE DAVIT IS MIRRORED
10. LOCATION OF PIN LASHING IS ONLY ESTIMATED. LASHING PIN TO BE INSTALLED AFTER THE BOAT IS INSTALLED IN THE DAVIT

**DAVIT TECHNICAL DATA:**

SAFETY WORKING LOAD: 85 kN  
DAVIT WEIGHT: APPROX. 5600KG, INCL. WINCH

REV	DESCRIPTION	BY	CHECK	APPRO	DATE
1	Updated reaction forces and welding symbol	GACA	ALJI	WAQU	11.05.2015
2	Updated SWL and reaction forces	ALJI	GACA	WAQU	23.11.2016
3	Updated reaction forces based on ABS comment	ALJI	GACA	WAQU	28.09.2017
4	Updated position of pin lashing	ALJI	GACA	WAQU	02.08.2018
5	Released for approval	MISO	ALJI	WAQU	19.06.2019
6	Updated SWL and Viking Norsafe template	MISO	ALJI	WAQU	08.10.2020

**REVISION HISTORY**

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Drawn by: MIM / TKE  
Checked by: JJB  
Initial release date: 18.12.2012

**C-85 DAVIT FOR LIFEBOAT  
TYPE JYN-65**

Project number	Project name	Client number	Material Number	Weight	Projection method
GA	ISO 2768-mK ISO 13920-BF				
Drawing type	Tolerances	Scale	Sheet Size	Revision	Sheet No
GA	ISO 2768-mK ISO 13920-BF	1:50	A3	6	1/1
Drawing Number	G-500036				

12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H