

**Davit weight table (approximately)**

Component	kg
Davit arm AFT	2345
Davit arm FWD	2330
Winch	1900
HPU	800
Deck Wire sheave house	86
Flowdivider	100

- NOTES:
- ALL ELECTRIC WIRING BY YARD
  - ALL FIELD WELDS TO BE PERFORMERD ACC. TO APPROVED WPS. (YARD RESPONSIBILITY) EN 287-1, ISO 9606-2 or ASME section IX. ALL FIELD WELDING IS SUBJECT TO CLASS APPROVAL PRIOR TO START WELDING.
  - ALL FIELD WELDS SHOWN TO BE WELDED BY YARD DURING INST.
  - HOISTING SPEED: Approx. 5m/min LOWERING SPEED:MAX 60m/min
  - SWL HOISTING : 8000 kg.  
SWL LOWERING : 15290 kg.
  - WIRE LENGTHS: WIRE 1: 25 m + 2 x (H + H1)  
WIRE 2: 18 m + 2 x (H + H1)  
H = HEIGHT FROM STOWAGE TO L.W.L.  
H1 = ADDITIONAL HEIGHT DUE TO LIST AND TRIM CONDITIONS, UNLESS OTHERWISE AGREED.
  - HPU - HYDRAULIC POWER UNIT TO BE LOCATED BY YARD. PIPING BETWEEN HPU, FLOWDEVIDER AND DAVIT IS YARD SUPPLY, REOMENDED DISTANCE DAVIT-HPU: 10 PIPING m AT THE SAME LEVEL.
  - CENTER OF GRAVITY COG - FOR DAVIT ONLY. FOR BOAT COG SEE BOAT DRAWINGS.

- FOR LOCATION OF HATCHES, HOOKS AND OTHER BOAT DETAILS SEE BOAT DRAWINGS.
- BOAT POSITION AND HULL PATH TRAJECTORY MAY VARY DUE TO LIMIT SWITCHES ADJUSTMENT.
- ACCESS PLATFORMS & BOARDING, WALK WAYS, STAIRS & HANDRAILINGS, DOUBLER PLATES, ETC.: YARD SUPPLY - TO BE FINALIZED DURING LIFEBOAT INSTALLATION.
- REMOTE CONTROL WIRE TO BE PLACED BY YARD; OPERATOR MUST SEE THE LIFEBOAT LOWER UNTIL WATERBORN. CONTROL WIRE CAN ALSO BE ROUTED ABOVE OPERATOR.
- FLOW DEVIDER TO BE PLACED EQUALLY PIPE LENGTHS BETWEEN DAVIT ARMS.
- DESIGN SPEC.: ACCORDING TO SOLAS, 10 DEGREES TRIM AND 20 DEGREES LIST.
- STARBOARD DAVIT SHOWN. PORT SIDE DAVIT IS MIRRORRED.

2	Issued for construction	ALJI	MISO	WAGU	01.07.2019
1	Issued for construction	ALJI	GACA	WAGU	09.07.2017
0	Issued for approval	ESO	MIM	JJB	19.02.2013
REV	DESCRIPTION	BY	CHECK	APPRO	DATE

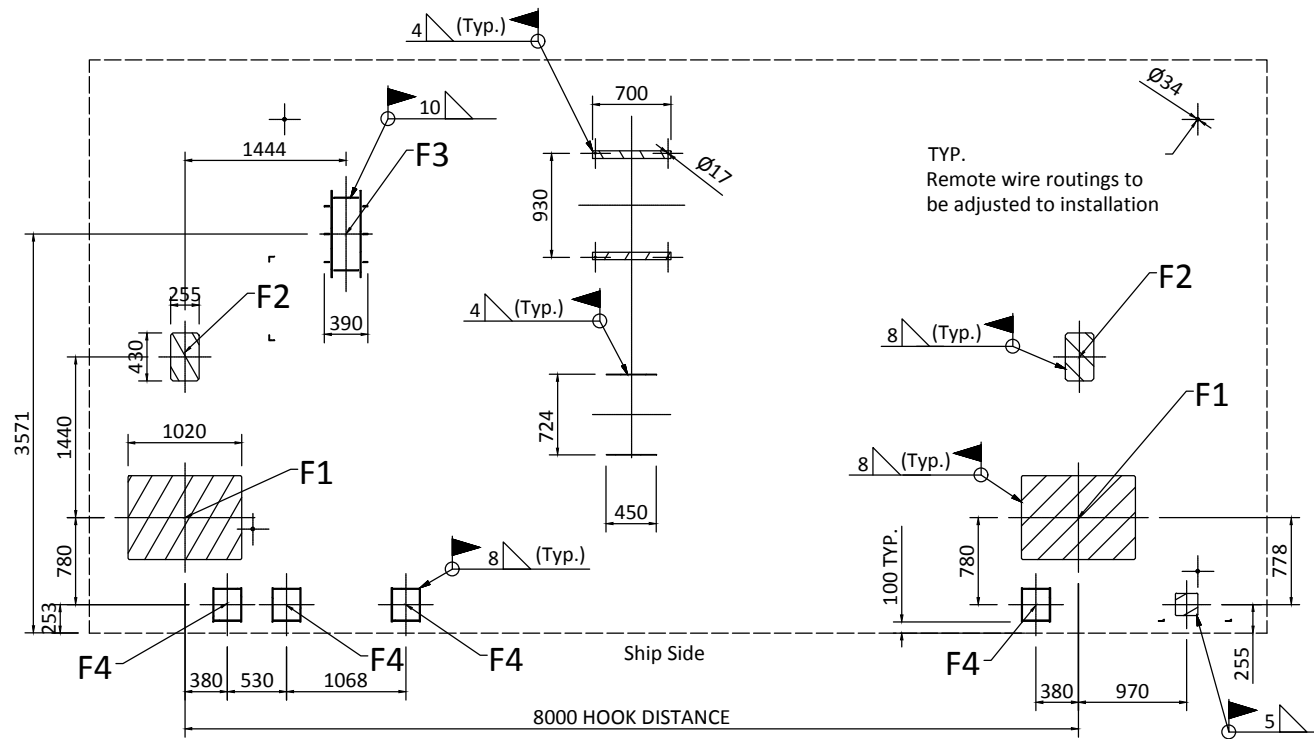
**REVISION HISTORY**

**VIKING NORSAFE**

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DWG SIZE: A3	SCALE: 1:50	COPY OF:	PART NO:	WEIGHT: N/A	SHEET: 1/2
CLIENT NO:	PROJECTION METHOD:	TOOLERANCES: ISO 2768-mk, ISO 13920-BF	REVISION: 2	LH-140 MKIII WITH JYN-85	
DWG No: G-500059	PROJECT:	ASSEMBLY			



A-A ( 1:50 ) FOOTPRINTS ON DECK

JOINT LOADS ON EACH SIDE (FOR ORIENTATION OF FORCES SEE LEGEND)						
REACTIONS FOR DIFFERENT COMBINATION OF 20° LIST AND 10° TRIM						
DAVIT FRAME IN						
	FORCE X	FORCE Y	FORCE Z	MOM X	MOM Y	MOM Z
F1	±93kN	±126 kN	±16kN	±60kNm	±23kNm	±24kNm
F2	±94kN	±131kN	±2kN	±4kNm	±1kNm	0kNm
DAVIT FRAME OUT						
	FORCE X	FORCE Y	FORCE Z	MOM X	MOM Y	MOM Z
F1	±100kN	-343kN	±16kN	±43kNm	±43kNm	±20kNm
F2	±160kN	+247kN	±1kN	±1kNm	±2kNm	0kNm
WINCH AND WIRE SHEAVES						
	FORCE X	FORCE Y	FORCE Z	MOM X	MOM Y	MOM Z
F3	±75kN	±34kN	0kN	0kNm	0kNm	±14kNm
F4	±38kN	±5kN	±38kN	±9kNm	0kNm	±10kNm

REACTION FORCES AS JOINT LOADS EACH SIDE, MARKED WITH NODES ON DECK INTERFACE.  
FOR ORIENTATION OF FORCES SEE LEGEND WITH MARKED XYZ VECTORS.  
ALL FORCES ARE POINT LOADS, NOMINAL FORCES WITHOUT ANY FACTORS.

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