

WOODFIELD

MARINE LOADING ARM DATA SHEET

ISSUE NO. 01

FORM NO.
W30-02-F-027-A4R0

DATE:
01.06.2018

REV. 00 /
DATE: 02.04.2021



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Company Information

Date		Company	
Contact Person		Project Name	
Phone		Address	
E Mail		Project Location	

Marine Loading Arm Details

Basic Information

No of MLA's		
Size of MLA	Diameter Of Connection	
Type of MLA	Fixed on Jetty / Trailer Mounted	
Material of Construction	CS / LTCS / SS	
Operation of MLA	Electro-Hydraulic / Manual	
ERS Required	Yes / No	
QCDC required	Yes / No	
	If Yes - Manual / Hydraulic	

Auxiliaries Required / Specified

Ladders & Platforms	Yes / No	
Alarm	1 Step / 2 Step / No	
Vacuum Breaker	Yes / No	
Greasing System	Manual / Centralized	
Vapour Return Line	2" / 4" / 6" / No	
Position Monitoring System	Yes / No	
Heat Tracing / Insulation	Yes / No	
Stripping System	Yes / No	
Nitrogen Purge Line	1" / 2" / no.	

Product Data

Products	Arm Tag	Viscosity (cSt)	Density (kg/dm ³)	Pressure (barg)		Temperature(°C)		Flow Rate (M ³ /h)
				Working	Design	Working	Design	

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Hydraulic and Electrical Specifications / Accessories

Description		Per Dock
Remote Control :	Yes / No	
Pendant Remote :	Yes / No	
PLC Location :	Safe Area / Hazardous area	
PLC Redundancy (Power supply & CPU) :	Yes / No	
Safety Integrity Level for ERS loop(SIL) :	1 / 2 / No	
Alarms for extension / slewing :	1 step / 2 Step / No	
Stand by Pump :	Yes / No	
Low / Fast movement :	Yes / No	

Environmental Conditions / Data

Hazardous Area Classification	
Horizontal Seismic acceleration m/s^2	
Vertical seismic acceleration m/s^2	
Operating Wind Speed m/s	
Design Wind Speed m/s	
Minimum Ambient Temperature $^{\circ}\text{C}$	
Maximum Ambient Temperature $^{\circ}\text{C}$	
Power Supply at Site	

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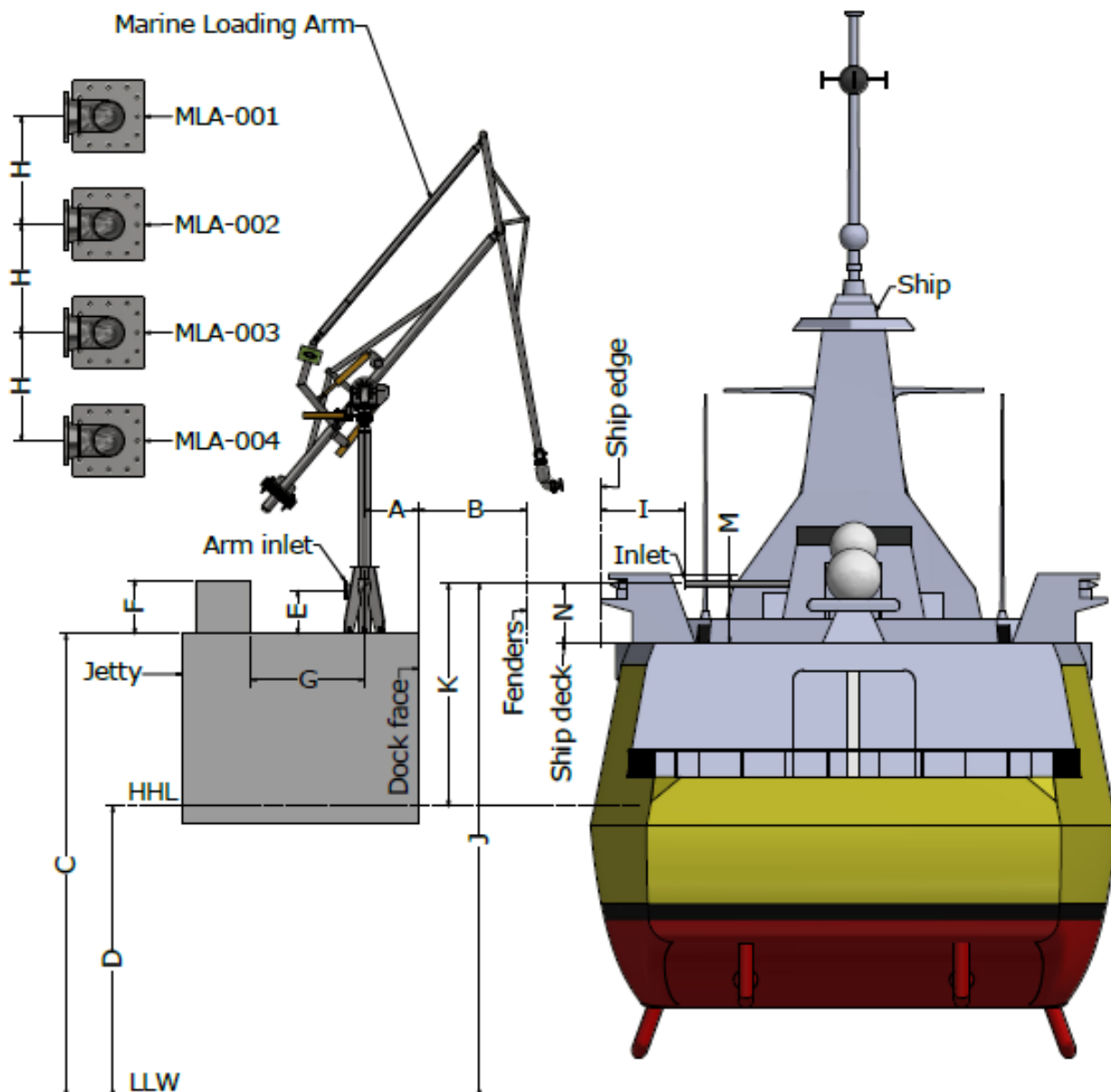
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Dock Information

Ref.	Meters	Description
	A	Dock edge to centerline of riser
	B	Compressed fender to jetty face
		Relaxed fender to jetty face
	C	Lowest Low water level to Jetty level(LLW)
	D	Distance between Lowest low water level to Highest High water level (HHL)
	E	Inlet/Outlet Flange centre line from Jetty level
	F	Any Obstacles present around the location of MLA
	G	
	H	Distance between Centre's of adjacent MLA

Ship Data

		Minimum Vessel Size (DWT or m ³)
		Maximum Vessel Size (DWT or m ³)
	I	Minimum Distance from Flange face to vessel edge
		Maximum distance from Flange face to vessel edge
	J	Vessel Flange to Lowest Low Water (smallest vessel, full)
	K	Vessel Flange to Highest High Water(largest vessel, empty)
	L	Minimum distance between two Flange's on Vessel manifold
		Maximum distance between two Flange's on Vessel manifold
	M	Rail Height
	N	Minimum distance of vessel flange to Vessel Deck
		Maximum distance of vessel flange to Vessel Deck

Ship Movement Data Maximum

During Normal Loading Conditions			During Normal Connection / disconnection		
		Transverse drift (Perpendicular to deck)	Drift speed in for alarms setting in drift area (0.12 to 0.25 m/s)	Transverse	
		Longitudinal Drift (parallel to Deck)		Longitudinal	