MARINE LOADING ARM DATA SHEET

ISSUE NO. 01 FORM NO. W30-02-F-027-A4R0

DATE: 01.06.2018 DA⁻





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DATE: 01.06.2018

REV. 00 / DATE: 02.04.2021

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	Yes / No				
Alarm			1 Step / 2	1 Step / 2 Step / No				
Vacuum B	reaker		Yes / No	Yes / No				
Greasing S	Greasing System			Manual / Centralized				
Vapour Re	eturn Li	ne	2" / 4" / (2" / 4" / 6" / No				
Position N	/lonitor	ing System	Yes / No					
Heat Tracing / Insulation			Yes / No	Yes / No				
Stripping System			Yes / No	Yes / No				
Nitrogen Purge Line			1" / 2" / no.					
Product Data								
Duaduata	Arm	Viscosity	Density	Pressure (barg)		Temperature(°C)		Flow Rate
Products	Tag	(cSt)	(kg/dm ³)	Working	Design	Working	Design	(M³/h)

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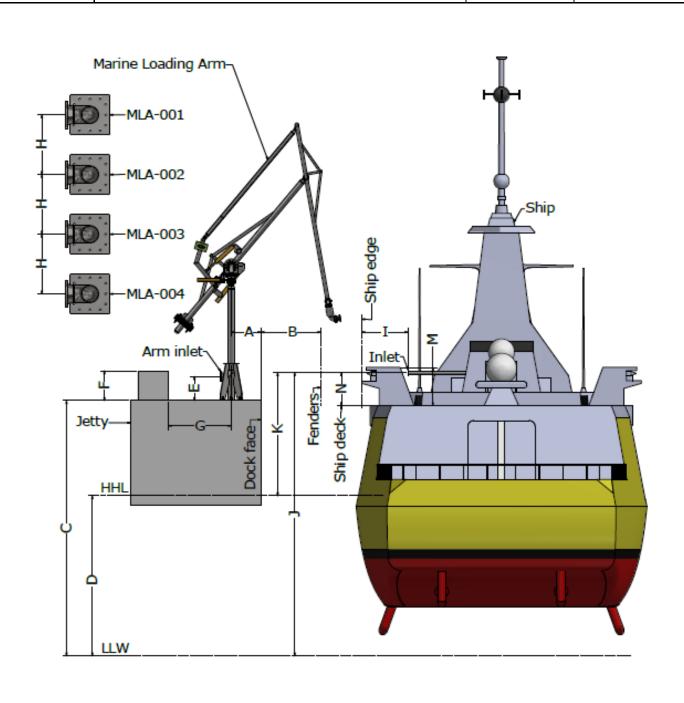
Hydraulic and Electr	ical Specifications / Accessor	ries
Description	ı	Per Dock
Remote Control :	Yes / No	
Pendant Remote :	Yes / No	
PLC Location :	Safe Area / Hazardous area	
PLC Redundancy (Power supply & CPU):	Yes / No	
Safety Integrity Level for ERS loop(SIL):	1/2/No	
Alarms for extension / slewing :	1 step / 2 Step / No	
Stand by Pump :	Yes / No	
Low / Fast movement :	Yes / No	
Environme	ntal 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 °C		
Maximum Ambient Temperature °C		
Power Supply at Site		

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		Dock	Information			
Ref.	Meters	Description				
	Α	Dock edge to centerline of riser				
	В	Compressed fender to jetty face				
	Б	Relaxed fender to jetty face				
	С	Lowest Low water level to	Jetty level(LLW)			
	D	Distance between Lowest I	ow water level to Highest H	ligh water level (HHL)		
	E	Inlet/Outlet Flange centre	line from Jetty level			
	F					
	G	Any Obstacles present around the location of MLA				
	Н	Distance between Centre's of adjacent MLA				
		SI	hip Data			
	Minimum Vessel Size (DWT or m³)					
		Maximum Vessel Size (DWT or m³)				
	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)				
	<u> </u>	Minimum distance between two Flange's on Vessel manifold				
	L	Maximum distance betwee	en two Flange's on Vessel m	anifold		
	M	Rail Height				
	N	Minimum distance of vesse				
	Maximum distance of vessel flange to Vessel Deck					
	Ship Movement Data Maximum					
Dur	ing Norm	al Loading Conditions	During Normal Conne	ection / disconnection		
		Transverse drift	Drift speed in for alarms	Transverse		
		(Perpendicular to deck)	setting in drift area			
		Longitudinal Drift	(0.12 to 0.25 m/s)	Longitudinal		
		(parallel to Deck)				