

# Vessel Specification

## Emma



Vessel Specification

Description	Details
<b>MAIN PARTICULARS</b>	
Company/Owner	Finnish Sea Service Oy
Vessel name	Emma
Vessel type [CAT, MonoHull MH, Trimaran Tri, SWATH, other]	Monohull , Work Boat
No. of crew	2
No. of PAX	10
Flag state & certification	Finland T36737
Classification Society & Notation(s)	Workboat, Sea area 3
Builder/Yard/number	Northal 31 Work
Hull material	Aluminium
Year of Build	2000
Length Over All (LOA) [m]	12,15
Length between perpendiculars (Lbp) hull [m]	N/A
Beam over all [m]	3,20
Extreme draught [m]	1,40
Operational Draught [m]	1,30
Minimum operational water level below keel [m]	0,30
Freeboard height @ midship [m]	N/A
Bow Height [m] @ transfer point	N/A
Light ship displacement [tonnes]	11
Design condition displacement [tonnes]	N/A
Max. dead weight displacement [tonnes]	NA
Fresh water capacity [litres]	N/A
Fuel transfer capability [yes/no]	N/A
Fuel Capacity [litres]	2800
<b>OPERATIONAL PARTICULARS</b>	
<b>Details</b>	
Service speed [knots]@ seastate 2	15
Max. speed [knots]@ seastate 2	18
Service speed versus Sea state limitation. [kn @ 1.5m Hs] (Company policy)	

Max. speed v. Sea state limitation. [kn @ 1.5 Hs] (company policy)	N/A
Classification info. Society, notation operation limits. [kn@Hs]	N/A
Operational hours restriction if any [hours]	Nil
Bollard push [tonnes]	N/A
Bollard push to displacement ratio [BP tonnes/ Displacement tonnes]	NA
Transfer Operation limit [Hs] and corresponding wave direction to the vessels (eg. 1.5m @head	N/A
<b>MACHINERY PARTICULARS</b>	
<b>Details</b>	
Engine manufacturer/Engine type	Nanni T6.280
Number of engines installed.	2
Total Installed power [kW]	404
Generator	Kubota GE 12 KVA
Fuel Specification/grades [Standard] incl. lubricants	Distillate ISO8217
Bow thruster [yes/no]	Yes
Bow thruster power [kW]	Hydraulic
Engine load @ service speed	85 %
Engine load @ Max. speed	100 %
Fuel consumption [litres/h] @ service speed @ seastate 2	150ltr/h
Fuel consumption [litres/h] @ Max. speed @ seastate 2	250ltr/h
Propulsion system type [WJ, CPP, FPP, IPS, other],	FPP
Propulsion system manufacturer and make	
If WJ – Max. WJ input power [KW] @ zero speed, ie Bollard Push [kW]	
	<b>Details</b>

<b>DECK ARRANGMENTS &amp; EQUIPEMENT</b>	
Crane [yes/no]	NO
Crane specification if any.	N/A
Container position [yes/no]	N/A
Container position details. [no. aft, no. fore]	NA
HP washer	Nil
CARGO capacity total [t]	1.5 Mt
Cargo capacity fore deck[t]	0.5 Mt
Cargo Capacity aft deck [t]	1 Mt
Specific deck load [t/m^2]	NA
Free Deck Space fore deck[m^2]	2 m2
Free deck space aft deck [m^2]	4 M2
Sewage discharge shore connection	N/A
Oily Bilge water discharge shore connection	yes
Transfer system/Prepared for Transfer system [yes/No] & [Type]	
<b>NAVIGATIONAL EQUIPMENT &amp; COMMS.</b>	<b>Details</b>
Crewfinder system corresponding to the (Personnel locator Beacons ( PLB's) used on site [Yes/No]	N/A
The vessel must at least be equipped with GPS [Yes/No]	Yes
The vessel must at least be equipped with NAVTEX [Yes/No]	N/A
Communication system on board the vessel must allow communication between the master at the helmsman position and deck crew at any position on the vessel. [Yes/No]	N/A
Radar reflector [Yes/No]	No
Automatic identification system (AIS) class A [Yes/No]	Yes

Updated nautical paper charts for the operational area and electronic chart display approved by authorities. [Yes/No]	Yes
Propeller RPM or thrust indicator [Yes/No]	Yes
Rudder angle indicator (or direction of steering thrust) [Yes/No]	NO
GHz Radar with plotting function [Yes/No]	3cm/Yes
Echo sounding device [Yes/No]	Yes
Speed and distance measuring device capable of measuring speed through the water (speed log) [Yes/No]	No
Satellite compass [Yes/No]	Yes
A fixed mounted magnetic compass, properly adjusted with deviation table [Yes/No]	Yes
Sound signalling equipment [Yes/No]	Yes
GMDSS Radio equipment	1
Handheld VHF for deck personel	2
VHF with DSC & P-channel as advised by site	1
Emergency Position Indicating Radio Beacon (EPIRB)	1
Search and Rescue Transponder (SART)	1
<b>ACCOMMODATION ARRANGEMENT</b>	<b>Details</b>
Seating (number, recline, suspended, fixed)	12
Storage	1
Mess/Pantry and toilet/shower	N/A
Dry baggage storage	1
Wet changing room	Nil
Storage for sensitive WTG spare parts	Storage room
Comfort levels, Noise levels	

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HVAC	NO
<b>FIRE FIGHTING APPLIANCES</b>	<b>Details</b>
Fixed fire extinguishing system	0
Portable extinguishers	4
Fire pump(s)	0
Fire Hoses	0
Fire Blanket(s)	0
Other	
<b>LIFE SAVING APPLIANCES &amp; RESCUE EQUIPMENT</b>	<b>Details</b>
Liferafts(number, position, total persons accommodated)	1 pcs, 6 persons
Immersion suits (number)	6
Thermal Protective aids (number)	-
Life jackets (number)	6
Life Buoys (number)	3
Man Over Board Equipment	0(Lifebuoy with light+ smoke signal)
Search Lights (Number, remotely operated, portable)	fixed
Defibrillator [yes/No]	No
<b>ADDITIONAL FEATURES/REMARKS</b>	<b>Details</b>
Vessel Motion Monitoring System	-
CCTV monitoring and recording of operations	-
Other	-