

ForestWave

FWN Ranger



Main particulars

Flag	Liberia
Port of registry	Monrovia
Built	2005, Volharding shipyards
Type	Heavy lift Multipurpose geared tweendecker, strenghtened for heavy cargoes, equipped for carriage of containers
Class	DNV-GL
IMO nr.	9277280

General dimensions

GT/NT	8.963 / 4.522
DWT summer sw	10.508 mts
Draft fully laden sw	7,95 m
LOA	134,52 m
LPP	125,67 m
Beam	21,50 m
Depth moulded	9,30 m
Ballast airdraft	42,20 m
Distance WL/HC	7,9 m (ballast)
TPC	24,9 (summer draft)

Gear

Cranes (portside)	2 x 250 mts, combinable
Outreach, capacity	250 mts (6,5 - 12 m); 200 mts (5,5 - 15 m) 150 mts (5,5 - 20 m); 100 mts (4 - 30 m)

► Spreader beam (460 mts SWL) on board. Crane lifting capacity is subject vessel's stability and depends n cargo/ballast on board.

Container data

Intake	547 teu total 295 teu (deck) + 252 teu (hold)
Stack loads	Hold - teu 60-96 mts / feu 91 - 122 mts Deck - teu 40 mts / feu 60 mts
Reefer plugs	10, on deck

► Intake is always subject vessel's stability, trim, permissible weight, is subject to the cargo securing manual and to regulations of visibility.

Tank capacities

HFO	719 cbm (incl day + settling tanks)
MGO	318 cbm (incl day + settling tanks)
Fresh water	136 cbm
Ballast water	5.843 cbm

Hold particulars

Grain capacity	527.994 cbft (14.951 cbm) - w/o twd 490.000 cbft (13.875 cbm) - with twd in hold
Holds / hatches	2/2; boxshaped, open hatch
Hold no 1/2 (Grain)	123.354 / 404.637 cbft (3.493 / 11.458 cbm)
Hold 1 (lxwxh)	20,25 x 13,0 / 7,8 / 2,6 x 11,89 m 6,75 m (without narrowing)
Hold 2 (lxwxh)	58,5 x 16,9 / 5,2 x 11,89 m 45,0 m (without narrowing)
Hatch 1+2	26,26 x 17,38 m 58,50 x 17,30 m
Hatch covers	hydraulic folding + one pontoon
Moveable bulkheads	1 (twd used as bulkhead)
Hold ventilation	6 air changes per hour b.e.h.

Tweendeck

Tweendeck	Complete twd (except frwd narrowing in hold 1)
Panels	12 panels
Height under / above twd	Hold 1: 5,18 / 6,09 m Hold 2: 4,68 / 6,59 m Hold 2: 8,47 / 2,80 m (with 4 panels)

Capacity area

Tanktop	1.006 sqm
Tweendeck	1.736 sqm
Weather deck	1.413 sqm
Total	4.155 sqm

Strenghts

Tanktop	15,0 mts / sqm
Tweendeck	3,0 mts / sqm
Hatch cover	3,5 mts / sqm

Machinery

Main engine	MAK 8M43 - 7.200 kW
Auxiliary engines	2 x 371 kW
Shaft generator	750 kVA
Bow thruster	650 kW
Speed / consumption	14 kn on 19,7 mts RMG 380
Port consumption	1,5 mts MGO (idle) 2,5 mts MGO (working)

► Speed and consumption figures are calculated basis sailing even keel, on max. bft 2, ds 2 and seawater temperature max. 26 dgrs celsius.

Fuel supplied to be of latest ISO 8217 specs. For trading in any SECA the fuel oil to meet the requirements as per MARPOL Annex VI, regulation 14 and 18.3.

Bunkers shall not be commingled to avoid compatibility problems. Owners are participating in

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