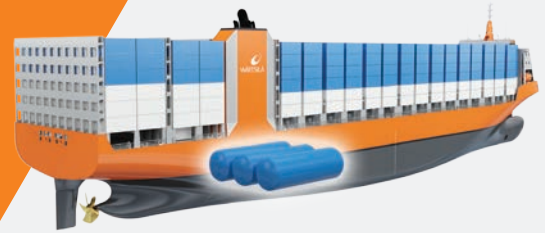


WSD80 2300

2300TEU Container Feeder

DATASHEET



Design highlights

- Wärtsilä integrated solution
- Superior hull lines, CFD optimized
- Low fuel consumption, high propulsive efficiency
- High homogeneous container intake
- Economical and friendly operation
- Flexible container stowage
- Ballast water treatment plant compliant with the latest MARPOL V
- Latest rules and regulations for container feeder
- Inherent crew comfort by segregation of deckhouse and engines/propeller
- Forward accommodation for highest TEU intake and the best visibility
- Comply with EEDI Phase 3 acc. to MEPC.203(62)
- Approval in principle verified by Lloyd's Register

SPECIFICATION IN BRIEF

Length over all, approx.	187.7 m
Deadweight, max	27,800 DWT
Gross tonnage	24,100 GT
Net tonnage	7,240 NT

Design speed	17.7 knots
Operation area	"Worldwide"

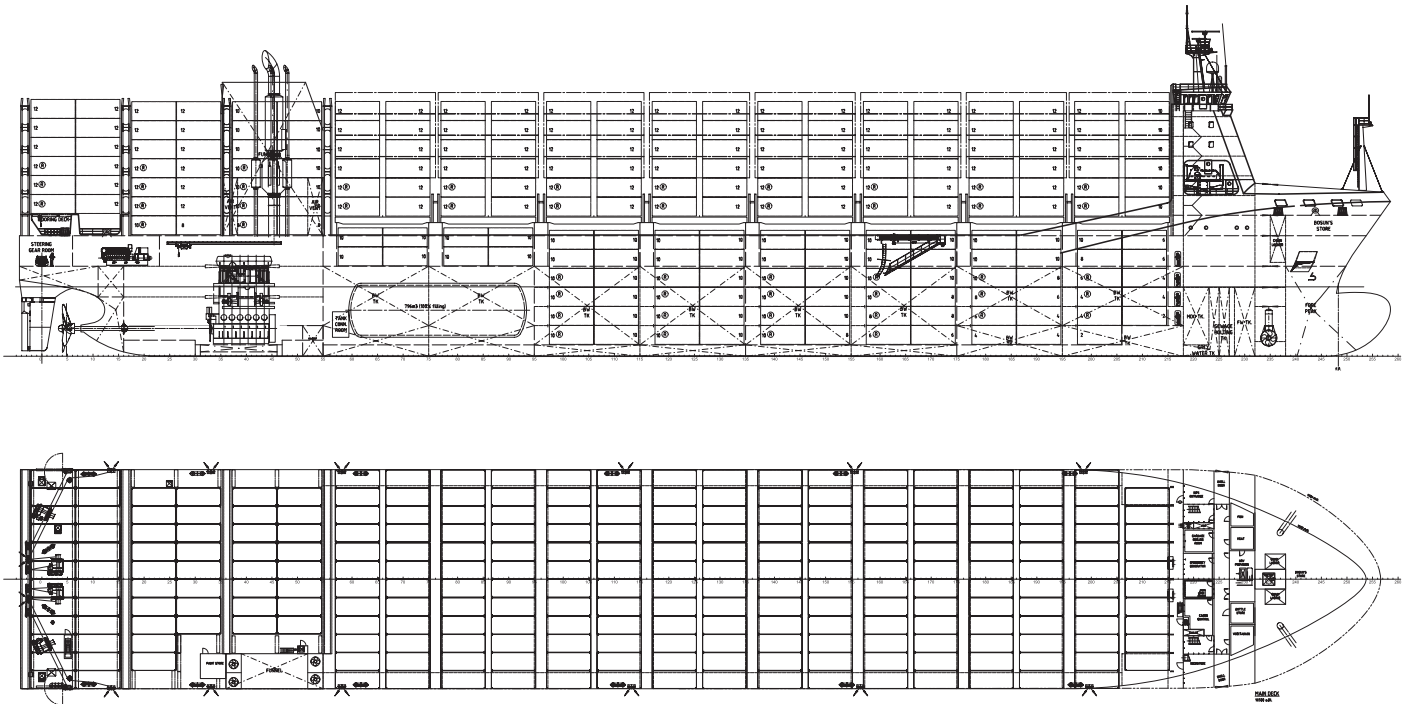
Main engine	2-stroke Wärtsilä 1 x 13,500 kW W6X62DF
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Container capacity	2,270 TEU
Reefer capacity	498 FEU

ME daily fuel gas cons.	
Design draught, approx,	34.4 t



Fig.1 Detailed elevation drawings



TECHNICAL SPECIFICATION

MAIN DIMENSIONS

Length over all, approx.	187.70 m
Length PP	177.50 m
Breadth moulded	30.00 m
Depth to main deck	16.50 m
Draught, design	9.50 m
Draught, scantling	10.60 m
Deadweight (T= 10.60 m)	27,800 t

SERVICE SPEED & ENDURANCE

Max. Speed	19.0 knots
Service Speed	17.7 knots
Endurance (MDO), approx	12,400 nm
Endurance (LNG), approx	10,400 nm

(service speed, design draught, with 15% SM)

TANK CAPACITY

LNG capacity, approx.	2,380 m ³
MDO capacity, approx.	1,330 m ³
FW capacity, approx.	300 m ³
Ballast capacity approx.	11,600 m ³

STACK WEIGHT

Hatch cover 20'/40'/45'	70t/105 t
Main deck 20'/40'/45'	90t/120 t
In holds 20'/40'/45'	150t/180 t

CONTAINER CAPACITY

Container position	
On Deck (6 tiers)	1,582 TEU
In Hold	688 TEU
Total	2,270 TEU

Reefer plug position (on deck/in hold)	296/202 TEU
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Dangerous cargos in all of cargo holds 2/3/4

Container intake at Design draught	
HOMO 11t/TEU	1,506 TEU
HOMO 14t/TEU	1,295 TEU

Container intake at Scantling draught	
HOMO 11t/TEU	1,746 TEU
HOMO 14t/TEU	1,522 TEU

Based on ISO standard container, a rel. VCG of 45%

E-PLANT 230 V/450 V

Power	450 V, 60 Hz
Lighting	230 V, 60 Hz
Automation	230 V, 60 Hz / 24 VDC

MACHINERY

Main engine (6X62DF), MCR	13,500 kW
NCR (76% MCR)	10,260 kW
Generator sets	4 x 1,420 kW
Emerg. generator	1 x 150 kW
Bow thrusters	1 x 1,150 kW
Propeller	1 x FPP, dia. 6,500 mm

FUEL CONSUMPTION, DESIGN DRAUGHT

Service speed, no reefers	37.4 t/day
Service speed, all reefers	49.9 t/day

PERFORMANCE, SERVICE SPEED, SCANTLING DRAFT

ME GOC 14t/TEU [g/TEU/nm]	54.2
ME GOC 11t/TEU [g/TEU/nm]	47.3

ACCOMMODATION

25 persons full HVAC in single cabins plus one Suez Crew cabin for 6 Suez

CLASSIFICATION

LR +100A1, Container Ship, ShipRight (SDA, FDA, CM, ACS(B)), *IWS, LI, BoxMax(V,W), ECO(BWT, EEDI-3, IHM), +LMC, UMS, NAV1, with descriptive notes: ShipRight(BWMP(T), SERS, SCM), CSA", GF

Or equivalent