

# SPECIFICATION

HANSE

# 415

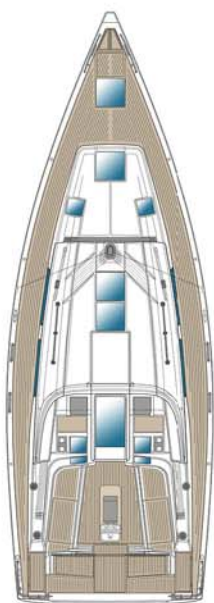


LOA	12,40 m   40'8"
Hull length	11,99 m   39'4"
LWL	11,40 m   37'5"
Beam	4,17 m   13'8"
Draft	2,10 m   6'11" (standard) 1,72 m   5'8" (option)
Displacement	approx. 8,90 t   approx. 19.621 lb approx. 9,36 t   approx. 20.063 lb
Ballast	approx. 2.900 kg   approx. 6.393 lb
Engine	27,9 kW / 38 HP
Fresh water	approx. 320 l + 200 l (optional)
Fuel tank	approx. 160 l
CE Certificate	A (ocean)
Total sail area	approx. 87,00 m <sup>2</sup>   approx. 936'66" sq ft
Main sail	approx. 52,50 m <sup>2</sup>   approx. 565'15" sq ft
Self-tacking jib	approx. 34,50 m <sup>2</sup>   approx. 371'51" sq ft
Genoa 106%	approx. 40,00 m <sup>2</sup>   approx. 430'80" sq ft
Gennaker	approx. 120,00 m <sup>2</sup>   approx. 1291'96" sq ft
Rig	I: 16,47 m   54'0" J: 4,68 m   15'4" P: 16,17 m   53'1" E: 5,57 m   18'3"
Design	judel / vrolijk & co
Interior	HanseYachts Design

Model year 2011/2012 – valid from December 19<sup>th</sup>, 2011

## STANDARD

A1 | B1 | C1



## OPTIONS

A1 | B2 | C3



A2 | B2 | C2



## HULL

- White hull
- Dark grey double waterlines
- Options for different hull colour according to Hanse colour selection
- Isophthalic Gelcoat
- Vinylster 1<sup>st</sup> layer
- Bulk laminate Polyester (orthophtalic or DCPD)
- Sandwich construction (Balsa) – above the waterline
- Bulkheads laminated to hull
- GRP strongback

## DECK

- White deck
- Isophthalic Gelcoat
- Vinylster 1<sup>st</sup> layer
- Bulk laminate Polyester (Orthophtalic or DCPD)
- Balsa sandwich
- Non-slip deck surface on coach roof

## STEERING SYSTEM

- Chain link steering system
- Twin wheel steering system
- Semi-balanced, profiled rudder with alloy shaft and self-aligning needle bearings
- Emergency tiller

## KEEL

- T-speed keel with low centre of gravity
- Draft: 2,10 m T speed keel
- Option: shallow draft – 1,72 m L shape keel
- Stainless steel keel bolts

## DECK EQUIPMENT

- Self-draining anchor locker with hatch
- Self-draining closed cockpit with large lockable storage
- 4 opening flush hatches (fwd. cabin)
- 2 opening flush hatches (saloon)
- 3 opening side windows (saloon)
- 1 opening side window (head)
- 2 opening deck hatches on coach roof (aft cabins)
- 2 portlights for aft cabin(s)
- 1 opening portlight for aft cabin facing cockpit
- 2 glove compartments at the companionway
- 4 mooring cleats
- 2 self-tailing halyard winches 46 AST
- 2 self-tailing secondary winches 46 AST (optional)
- Halyards lead aft to cockpit
- Control lines covered on the coach roof
- "German" mainsheet system
- Winch handle
- Shower on aft deck
- Bow fitting with anchor roller - pad eye and teak step
- 10 halyard stoppers
- Pulpit
- Pushpit with ensign staff socket
- Sliding hatch garage
- Sliding hatch
- Retractable wash board
- Double stainless steel wire guard rail
- Handrails on coachroof
- Teak on cockpit seats
- Swimming ladder
- Cockpit table with storage space
- Hinged bathing platform
- Lifer raft storage on transom (optional)

## TECHNICAL SYSTEM

### PLUMBING SYSTEM / FRESH WATER

#### Tank

- Fresh water capacity approx. 320 l (additional 200 l optional)
- Water infill on deck

#### Hot water

- Warm water heater, running from engine or immersion heater 230 V, 22 l

#### Pumps

- Electrical pressurised water system

#### Faucets

- Faucets in galley and head

## DRAINING PUMPS

### Bilge pumps

- 1 manual bilge pump
- 1 electric bilge pump

### Toilet / Head

- Holding tank, 35 l
- Sea and deck discharge
- 1 manual marine toilet
- 1 heavy duty shower drain pump

## ENGINE

- Volvo D2-40, 27,9kW / 38 HP, diesel engine
- Optional: Volvo D2-55, 39kW/53HP, diesel engine
- Saildrive
- Fresh water cooling
- 2-blade fixed propeller for std engine
- 3-blade fixed propeller for opt engine
- Fuel tank, approx. 160 l
- Fuel infill on deck
- Seawater strainer
- Fuel filter / Water separator
- Revolution counter
- Engine hour meter
- Engine room sound insulated

## ELECTRICS

- 12 V and 110 V / 230 V electrical circuits
- Shore power 230 V incl. differential breaker

### Battery charger

- Battery charger 12 V / 30 Amp.

### Batteries

- Main battery switch
- 1 Engine battery: 12 V / 90 Ah AGM
- 1 Service battery: 12 V / 165 Ah AGM

### Electric control panel 12 V

- Onboard electronics
- Socket 12 V
- Voltmeter
- Water / Fuel gauges

### Electric panel 230 V

- Differential breaker
- Socket 230 V
- Separate switch for warm water heater

### Interior lighting

- in fwd. cabin
- in aft cabin
- in saloon
- in galley
- in head
- in storage room
- in engine room

### Navigation lights

- Steaming light
- Bow light
- Stern light
- Anchor light

### Navigation instruments

- Illuminated compass
- Depth sounder
- Log

## GALLEY

- Quartz black surface
- Double stainless steel sinks
- 2-burner LPG gas stove with oven, gimballed
- 3-burner LPG gas stove with oven (optional)
- LPG Gas system
- Storage in cockpit
- Lockers and drawers
- Extra large 12 V fridge of approx. 130 l, top and front loader with light
- Drawer fridge, 70 l (optional)
- Waste bin
- Hull portlight

## INTERIOR ACCOMMODATION

- High quality marine plywood, mahogany style, satin varnish
- Floorboards: Maple style
- Option: American Cherry or Teak
- White bulkheads
- Wooden door frames
- Wood / Sandwich doors
- Upholstery
  - According to Hanse colour selection
- Forward cabin
  - Separated from saloon by a door
  - Large double berth
  - Combined lockers
  - Shelves along hull
  - Vanity table
  - Options according to Hanse Individual Cabin Concept
  - 2 hull portlights

### Aft cabin

- Separated from saloon by a door
- Large double berth
- Combined locker
- Shelf along the hull
- Option: 2<sup>nd</sup> aft cabin with double berth and locker
- 1(2) hull window(s)

### Saloon

- Companionway steps
- U-shaped settee area on starboard
- Folding saloon table
- Bar locker under the saloon table
- Lockers and shelves

### Navigation area

- Chart table (lowering, converting in bench)
- Chart table facing forward
- Electric switch panel

### Head / Shower

- Large head with separate shower stall
- Marine toilet
- Holding tank
- Sea and deck discharge
- Sink
- Electrical drain pump
- Mirror
- Locker & shelves
- Hull portlight

## RIGG AND SAILS

- 9/10-rig, tapered masttop
- 2 spreader anodised aluminium mast and boom
- Above deck furling system for jib
- Hanse single line reefing system (cockpit handling)
- Rod kicker
- Stainless steel standing rigging
- Purchase system 1:32 for backstay
- Main and jib halyard lead aft to cockpit
- Main and jib sheets
- Midboom sheeting with 2 stand-up blocks
- Main sail fully battened with 2 reefs
- Self-tacking jib with traveller