BOURBON ARCTIC, from VARD Design AS is a hybrid diesel drive / diesel electric equipped for advanced anchor handling operations worldwide and has the following special features:

- Class leading winch capacities for anchor handling operations. The vessel is equipped with 2 drums waterfall type for towing/working and 1 special drum for anchor handling with large capacities, as well as 4 secondary drums.
- Strengthened hull and enhanced winterization measures for operations in arctic areas.
- Improved low resistance hull shape designed for high speed, good sea and station-keeping capabilities, excellent maneuverability and good stability.
- Mobilization capacities for complete rig move operations.
- Environmentally friendly CLEAN DESIGN class notation with focus on low emissions.
- ROV hangar with launch and recovery system for ROV.
- Subsea intervention services, deepwater precision lifting & installation, Fi-Fi II class.
- Versatility in operation provided by several class notations and high tank capacities.
- Large, high standard and comfortable accommodation with low noise levels.
**TECHNICAL SPECIFICATIONS**

**AHTS - BOURBON ARCTIC**

### MAIN PARTICULARS

**DIMENSIONS**
- Length overall: 93.60 m
- Breadth moulded: 24.00 m
- Depth: 9.80 m
- Draft (max): 7.80 m
- Deadweight (max): 4,129 mt
- Bollard pull (max): 307 mt

**CAPACITIES**
- Deck area (approx): (10.0 t/m2) 780 m2
- Deck cargo load: 2,000 mt
- Fuel oil: 1,416 m3
- Fuel oil (including comb. Tks. total cap.): 2,034 m3
- Fresh water (max): 1,158 m3
- Drill water/Ballast water: 32 tanks
- Rig chain locker/BW/DW: 1,132 m3
- Brine: 618 m3
- Liquid mud: 618 m3
- Bulk cargo (Bante/Bentonite/Cement): 250 m3
- Recovered oil: 1,640 m3
- Garbage compactor: 1 boiler
- 1,162 kW
- Sewage: 66 m3
- Sludge: 9.5 m3
- Bilge: 86 m3
- Dirty oil: 8 m3
- Slop: .34 m3

**PROPULSION - MACHINERY**
- Main engines: 2x 6,000 kW with 2x CP propellers 4,600mm dia. in nozzle
- Auxiliary engines: 3x 2,880 kW
- Shore connection: 440/690 V 50-60HZ 500 kVA
- Emergency generator set: 1x 350 kW
- Harbour generator set: 1x 500 kW
- Garbage compactor: 1,162 kW
- Fuel oil: 1,416 m3
- Fuel oil (including comb. Tks. total cap.): 2,034 m3
- Fresh water (max): 1,158 m3
- Drill water/Ballast water: 32 tanks
- Rig chain locker/BW/DW: 1,132 m3
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- Sewage: 66 m3
- Sludge: 9.5 m3
- Bilge: 86 m3
- Dirty oil: 8 m3
- Slop: .34 m3

**DELIVERY RATES**
- Fuel oil: 2x 200 m3/h at TBA
- Fresh water: 2x 150 m3/h at TBA
- Drill water/Ballast water: 2x 200 m3/h at TBA
- Brine: 2x 75 m3/h at TBA
- Liquid mud: 2x 75 m3/h at TBA
- Sewage: 15 m3/h at 3 bars
- Slop: TBA
- Dry Bulk: TBA

**Bollard pull (max): 307 mt**

**DIMENSIONS**
- (Sea State 1) BFA, 13007 Marseille - France

**ACCOMMODATIONS**
- Accommodations for: 60 pers
- Single cabins: 24
- 2 man cabins: 18
- Hospital / Sick bay: 1
- Mess room, day room, conference room (12 prs), Offices, trim room, laundry, galley, freezer, cooler, provision room, stores, office, exercise room, reception area.

**EQUIPMENT & ELECTRONICS**

**DECK EQUIPMENT**
- Waterfall type arrangement SL500 / 2BSL500, consisting of:
  - 1 special handling winch/drum cap. 22,000m of 76mm wire...500t SWL
  - 1 towing/working winch SB drum cap. 3,510m of 76mm wire...500t SWL
  - 1 towing/working winch PS drum cap. 5,760m of 76mm wire...500t SWL
  - 2 double secondary winches MX132210U: ...210t SWL
  - 2 secondary winches ALM63140U: 140t SWL
  - 2 pair towing pins type 2x5t/2x10t: 400t SWL
  - 1 center shark jabs: 600t SWL
  - 1 centering device CD XL, 1,300m/900 width from center.
  - Smith brackets: ...750 t SWL
  - 2 combined windlass/mooring winch ...
  - 2 chain stoppers roller type for 56mm K3 chain.
  - Rig chain Gipsies: 1 off 76mm & 1 off 84mm.
  - 2 off LAKMX132020, center: 24t pull & 2 off LAKMX41017, aft: ...
  - 1 towing winch: .171 @ 41m/min & 1 off tugger winch: .241 @ 22m/min
  - 2 off cargo rail cranes: 3,2m-15.4m working radius/2,8t Hoist 3/ 4m/min
  - 1 off provision crane: .12t @ 16m working radius
  - 2 capstans: .17 m @ 0-29 m/min
  - 2 windlasses: ...1x 17 mt/@-11 m min & 1x 20 mt/@-9 m min
  - 1 storage reel: .capacity of 1,500m of 90mm wire
  - 1 ROV with deployment frame/E-LARS, 1 off umbilical winch 3,000m

**ELECTRONICS**
- 2 radars, 2 DGPS, Sound reception system,
- 1 gyrocompass, 2 Digital short xst system ECDIS,
- 1 GPS, Conning station, AIS, SSAS, Navtex, weather fax,
- speed log, 1 echo-sounder, 1 autopilot, magnetic compass.

**COMMUNICATION**
- 1 complete CMDSS area A4 radio installation.
- 2 Satcom C, 1 Fleet 77, MF/HF radio Sailor, 1 radio telex, DSC receiver,
- 1 intercom system Vard SeaQ, 2 Sart radar transpondeur TRON,
- Inmarsat, 9 UHF, 9 VHF, 7 VHF portable, 16 UHF portable,
- Free float w/hydrostatic release: TRON 60S.
- Autoload loading computer,
- Maint system Task assistant.

**SAFETY EQUIPMENT**
- Fire-Fighting (Fi-Fi 2): ...2 pumps of 3,600 m3/h
- Water jet / Foam jet: ...2 monitors of 3,600 m3/h
- Dispersant spray system.
- Fire line connections: ...
- Water jet / Foam jet: ...
- Fire-Fighting (Fi-Fi 2): ...

**All particulars believed to be correct but not guaranteed**

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