



## DAMEN SCHELDE NAVAL SHIPBUILDING

### AIR DEFENCE AND COMMAND FRIGATE (LCF)

#### GENERAL

Yard reference	380, 381, 384, 385
Commissioned	2002 - 2005
Customer	Royal Netherlands Navy
Basic functions	AAW, ASuW, ASW, EW
Vulnerability	Full NBC citadel, Shock & blast protection Extensive Damage Control, redundancy and separation, Blast and fragment protection Signature reduction, RCS, URN, IR, Magnetic, Electric

#### DIMENSIONS

Length o.a.	144.2 m
Length w.l.	130.2 m
Depth no.1 deck	18.8 m
Draught full load	5.2 (sonar) m
Displacement full load	6050 tonnes

#### PERFORMANCE

Speed (max power)	29 knots
Range at 18 knots	5000 nm
Endurance	30 days

#### MAIN MACHINERY

Configuration	CODOG
Gas turbines	2 x RR Spey SM1C at 39 MW
Diesel Engines	2 x Wartsila 16V26ST at 10 MW
Propellers	2 x CPP
Stabilisation	Rudder Roll
Diesel Generators	4 x 1650 kW Paxman Valenta

#### PLATFORM CAPABILITIES

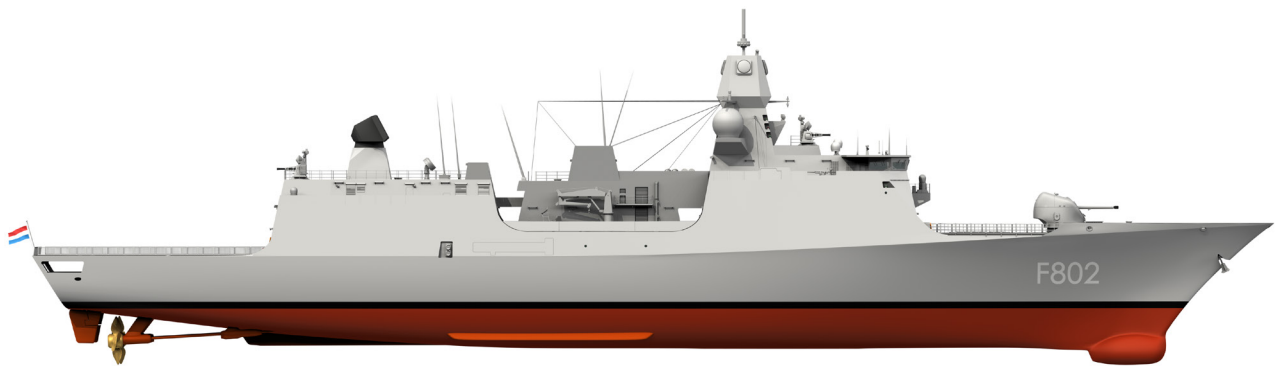
Flight deck	27 x 18,8 m
Hangar	suitable for NH 90
Boats	2 x 7 m RHIB
Replenishment	Heavy jackstay, FAS (fuel, water)

#### ACCOMMODATION

Fully air-conditioned accommodation for a complement of 220.

#### WEAPON & SENSOR SUITE

Command	first 2 ships are command ship
Combat Data Systems	Thales SEWACO XI Link 11 / 16 SATCOMS
Missiles	40-cells VLS Mk41 tactical version (future growth to 48 cells)
Guns	127mm Gun Oto Melara 2 x Goalkeeper
Torpedoes	2 x Double Mk32 mod 9 fixed launchers Mk 46 mod 5 torpedoes
Countermeasures	4 x SRBOC launchers Nixie torpedo decoy ESM/ECM
Weapon Control Systems	Thales SIRIUS optronic director Vesta Helo director
Radars	Air/surface search / fire control Thales APAR Air search Thales Smart-L
Sonars	HMS, STN Atlas
Helicopter	1 x NH90 / lynx



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Member of the DAMEN SHIPYARDS GROUP



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