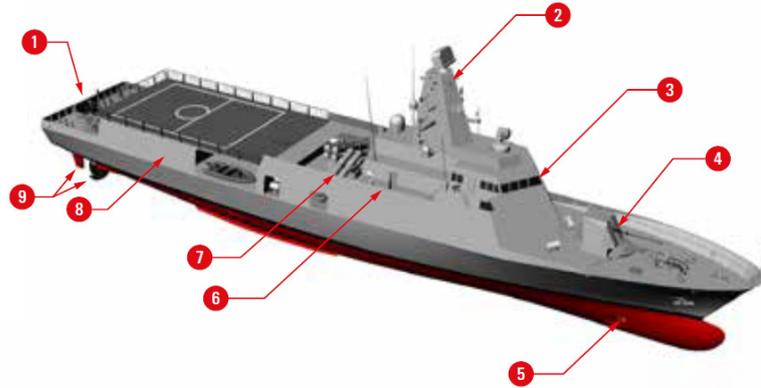


FEARLESS CLASS PATROL VESSEL



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The Fearless class is an indigenous design built by the marine arm of ST Engineering.

These vessels are configurable to be equipped with a whole range of weapons and sensors for anti-surface, anti-air and anti-submarine warfare.

Besides its multi-warfare capabilities, these vessels can have co-location of operational spaces including the bridge, operations and engineering control rooms. They can also be fitted with ST Engineering's modular mast for optimisation of sensors' performance.

The larger variant, Fearless 75 is equipped with a helicopter landing deck as well as a mission bay to embark mission modules as needed. A stern LARS is also available to allow safer and more efficient operations of small boats at sea. Both have an option to be fitted with a hybrid electrical propulsion system. This allows a combination of diesel engines and electric motors to drive the propeller shafts.

With a high speed, good manoeuvrability and good seakeeping performance, coupled with great endurance and comfort, these vessels are designed for prolonged operations, including safety and security operations in coastal to exclusive economic zones.

KEY FEATURES

- 1 STERN RAMP WITH DOOR WHICH HOUSES A 9M SEABOAT FOR QUICK LAUNCH AND RECOVERY
- 2 MODULAR MAST
- 3 ALL ROUND VISIBILITY FROM BRIDGE
- 4 76MM CALIBER GUN
- 5 BOW THRUSTER FOR ENHANCED MANOEUVRABILITY
- 6 DECOY SYSTEM LOCATION
- 7 SSM LAUNCHERS
- 8 MISSION BAY BELOW HELIDECK FOR 2 MISSION CONTAINERS
- 9 TWIN SHAFTS, CPP & RUDDER FOR GOOD MANOEUVRING

*SONARS AND TORPEDO LAUNCHER SYSTEM, SAM LAUNCHER (OPTIONAL)

PRINCIPAL SPECIFICATIONS	FEARLESS 55	FEARLESS 65	FEARLESS 75
LENGTH	55M	65M	75M
BEAM	8.6M	10M	12.5M
DRAFT	2.6M	3M	3.5M
RANGE	1800NM AT 15KNOTS	2400NM AT 15KNOTS	3000NM AT 16KNOTS
DISPLACEMENT	450T	600T	1250T
PROPULSOR	2 X WATERJETS	2 X WATERJETS	2 X CPP
SPEED	25 KNOTS	25 KNOTS	27 KNOTS
RHIB / USV	1	1	2
HELICOPTER / UAV	-	-	1

CONFIGURABLE ITEMS

SENSOR SRS, FCR, EOD, IFF, ESM, HULL MOUNTED SENSOR
 WEAPON PRIMARY GUN, SECONDARY GUN, TORPEDOES, SSM, SAM
 SELF-DEFENCE CHAFF, CIWS

ABBREVIATIONS

Close In Weapon System (CIWS), Controllable Pitch Propeller (CPP), Electro-Optical Director (EOD), Electronic Support Measures (ESM), Fire-Control Radar (FCR), Identification Friend or Foe (IFF), Launch And Recovery System (LARS), Rigid Hull Inflatable Boat (RHIB), Surveillance Radar System (SRS), Surface to Air Missile (SAM), Surface to Surface Missile (SSM), Unmanned Aerial Vehicle (UAV), Unmanned Surface Vessel (USV)