**GENERAL**

**Customer**
Indonesian Navy (TNI-AL)

**Primary functions**
Anti Air Warfare, Anti Surface Warfare, Anti Submarine Warfare

**Secondary**
Maritime Security & Safety, Disaster Relief/ Humanitarian Aid

**Hull material**
Steel grade A / AH36

**Standards**
Naval / Commercial, naval intact / damaged stability, noise reduced, moderate shock

**Classification**
Lloyd's Register of Shipping (supervision)

**DIMENSIONS**
- Length o.a. 105.11 m
- Beam mld 14.02 m
- Depth no.1 deck 8.75 m
- Draught (dwl) 3.70 m
- Displacement (dwl) 2365 tons

**PERFORMANCE**
- Speed (Maximum power) 28 knots
- Speed on E-propulsion 15 knots
- Range at 14 knots > 5000 NM
- Endurance > 20 days at sea

**PROPULSION SYSTEM**
- Propulsion type: combined diesel or electric (CODOE)
  - Diesel engines 2 x 10000 kW MCR diesel propulsion
  - Electric motors 2 x 1300 kW MCR electric propulsion
- Gearbox 2 x double input input/single output
- Propellers 2 x CPP diameter 3.65 m
- Integrated platform management system

**AUXILIARY SYSTEMS**
- Generator sets 6 x 735 kWE (CAT C-32A)
- Emergency gen. set 1 x 180 kWE
- Chilled water 2 x units, redundant distrubution
- Fire fighting 4 x main pumps +1 x service pump
- Freshwater making capacity 2 x 14 m³/day (RO) + 2 x 7.5 m³/day (evaporators)

**DECK EQUIPMENT**
- Helicopter deck max. 10 tons helicopter
- Heli operations day/night with refuelling system
- Helicopter hangar suitable for approx. 6 tons helicopter
- RAS on helicopter deck PS&SB, astern fuelling
- Boats 2 x RHIB

**ACCOMMODATION**
- Fully air-conditioned accommodation for 122 persons
- Commanding Officer 1
- VIP cabin (Flag officer standard) 1
- Officers 26
- Chief Petty Officers 10
- Petty Officers 28
- Petty officer (female) 8
- Junior Ratings 29
- Trainee Officers 18
- Canal Pilot cabin 1
- Provisions for NBC citadel / decontamination

**WEAPON & SENSOR SUITE**
- 3D-Surveillance & target indication radar & IFF
- Radar / electro optical fire control
- Hull Mounted Sonar
- Combat management system
- Medium calibre gun 76 mm
  - 1 x Close In Weapon System
  - 2 x 4 SSM launchers
  - 12 cell SAM launcher
- 2 x triple Torpedo launching system
- ESM & ECM
- 2 x Decoy launchers
- Integrated internal & external communication system

**NAUTICAL EQUIPMENT**
- Integrated bridge console, 2 x navigation radar, ECDIS, GMDSS-A3, reference gyro
DAMEN SCHELDE NAVAL SHIPBUILDING
SIGMA 10514 “PERUSAK KAWAL RUDAL” FRIGATE

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