



**ARANDA**



**WÄRTSILÄ MARINE**

# NEWBUILDING 406

## Research Vessel

to be delivered in 1989  
to the Finnish Institute of Marine Research

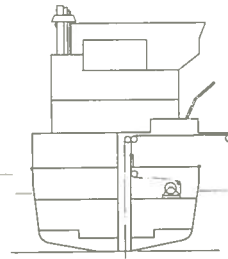
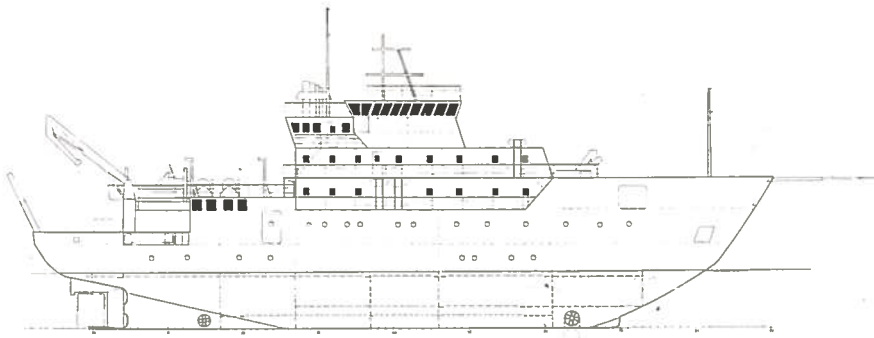
Length over all	59.0m
Breadth, moulded	13.6m
Draught	4.6m
Depth, moulded	6.7m
Displacement	1800t
Tonnage	1600GRT
Engine power	3000 kW
Semi-diesel electric propulsion system	
Retractable bow thruster	400kW
Transverse stern thruster	150kW
Cruising speed	12knots
Ice class	1ASuper
Total laboratory area	270m <sup>2</sup>
Helicopter platform	
Covered court for sampling	
Moonpool	1.4m <sup>2</sup>
Integrated navigation system	
Scientific personnel	12-25
Crew members	9-12

built by

**Oy LAIVATEOLLISUUS Ab**

P.O.Box 152 Phone: + 358 21 63111  
20101 TURKU Telex: 62174 late sf  
Finland Telecopy: + 358 21 6311578

**WÄRTSILÄ** A SUBSIDIARY OF WÄRTSILÄ  
MARINE INDUSTRIES INC.



# LAIVATEOLLISUUS

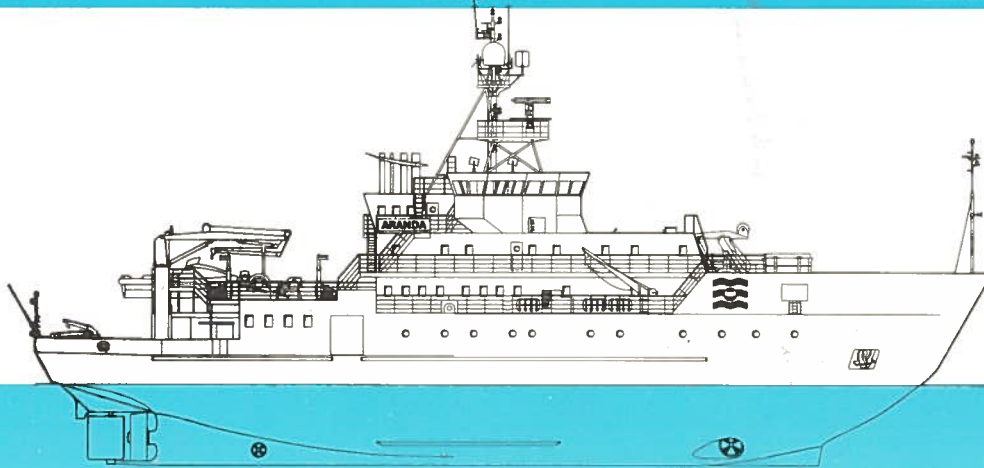
Tutkimusalus,

toimitettu 1989

Forskningsfartyg,  
**ARANDA**  
levererad 1989

Research vessel,

delivered 1989



**Päämitat:**  
Pituus 59.2 m  
Leveys 13.8 m  
Syväys 4.6 m  
Koneteho 3000 kW  
Potkureita 1+1  
Risteilynopeus 12 solmua

Tilaaaja:  
Merentutkimuslaitos

**Huvuddimensioner:**  
Längd 59.2 m  
Bredd 13.8 m  
Djupgång 4.6 m  
Maskineffekt 3000 kW  
Antal propellrar 1+1  
Kryssningsfart 12 knop

Beställare:  
Havsforskningsinstitutet

**Principal particulars:**  
Length 59.2 m  
Breadth 13.8 m  
Draught 4.6 m  
Machinery output 3000 kW  
Number of propellers 1+1  
Cruising speed 12 knots

Ordered by:  
Finnish Institute of  
Marine Research

## WÄRTSILÄ MARINE

Wärtsilä Meriteollisuus Oy  
Helsingin telakka

Wärtsilä Marinindustri Ab  
Helsingforsvarvet

Wärtsilä Marine Industries Inc.  
Helsinki shipyard