



Peruvian fishing vessel newbuildings gear up with MAN power

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MAN 6L21/31 Complete Propulsion Packages Chosen to Propel a Series of 78 Metre Purse Seiners

After a long line of propulsion package deliveries for the Peruvian fishing industry - all based on the popular and well-proven MAN L23/30A packages – a new step forward has been taken by COPEINCA in favour of the more powerful L21/31 solutions.

In February, a new propulsion package contract was made between the Peruvian company COPEINCA (Corporacion Pesquera Inca S.A.) and MAN Diesel & Turbo, Frederikshavn.

Three newbuildings powered by 6L21/31-VBS propulsion packages are to operate off the coast of Peru – primarily for anchovy fishing for the production of fish meal. When the ships' annual quota has been utilized (takes between 20 days and 3 months depending on the capacity and vessel efficiency), the vessels convert to mackerel and horse mackerel fishing for the rest of the year.

The vessels will be built by the Peruvian shipyard Servicios Industriales de la Marina S.A. (SIMACH), Chimbote.

The owner's target is to optimise costs and replace his ageing fleet. The board of COPEINCA agreed to build three new fishing vessels – a project in which the company will invest US\$ 25 million. The deputy chief executive officer of Dyer's fishery Pablo Trapunsky stated that the idea is to improve deficiencies and replace 30-year old vessels in order to achieve a new and modern fleet. *"Fishing fees have shown us that we are more efficient operating large ships, this is why we have planned to replace three ships with a capacity of 250 to 400 tons, for other even larger ships".*

For matching the shipyard's construction schedule, all propulsion packages are to be delivered from Denmark during June 2010.

MAN Diesel & Turbo SE
Teglhølmegade 41
DK-2450 Copenhagen SV
DENMARK
www.mandiesel.com

Group Marketing
Further information:
Peter Dan Petersen
Tel.: +45 33 85 14 70
peterd.petersen@man.eu

Graphics and images:
Mia Glarborg
Tel.: +45 33 85 15 90
mia.glarborg@man.eu

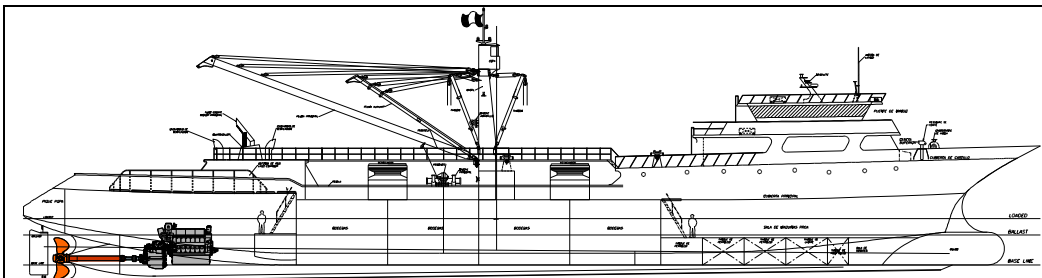


Main particulars of the vessels

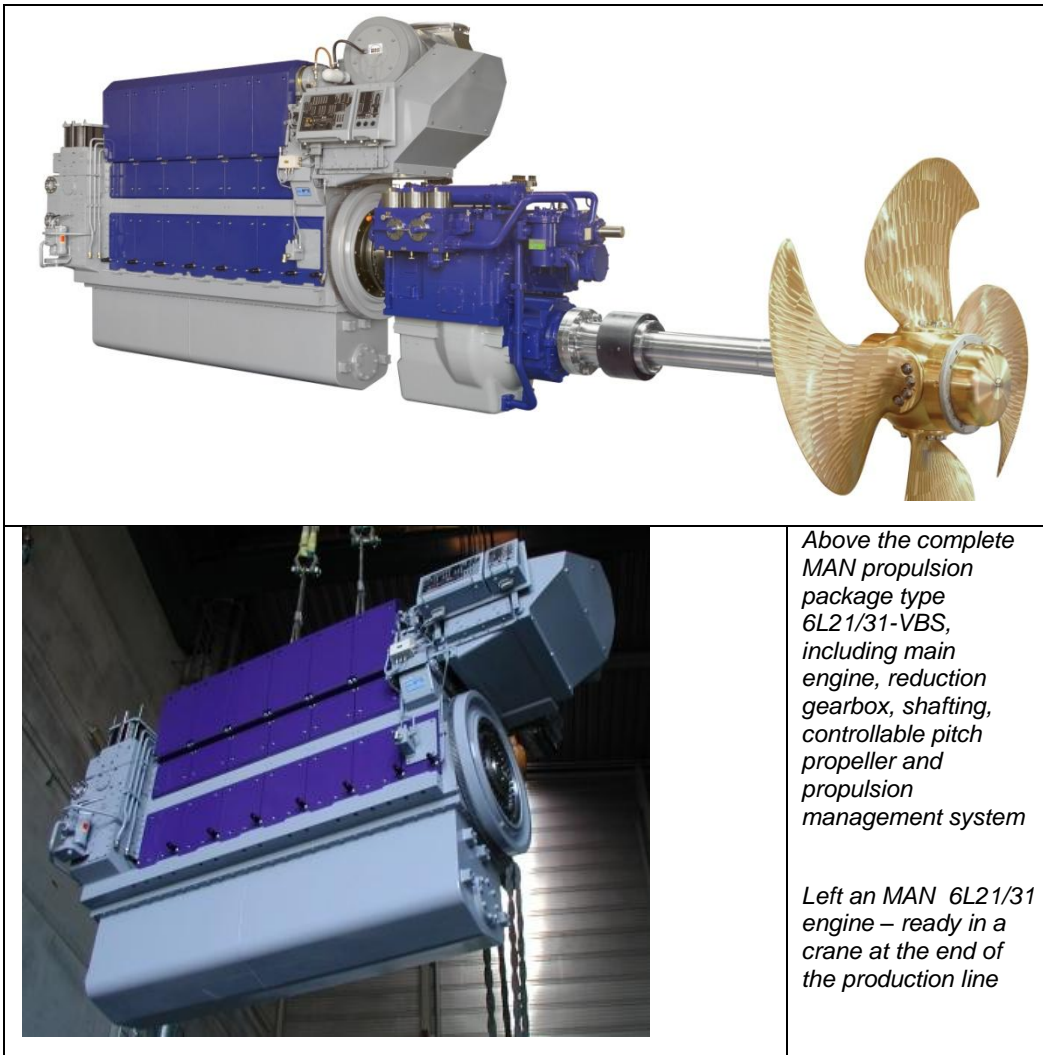
Length	78 m
Breadth	11 m
Draught	5 m
RSW tanks	800 m ³
Speed	14 kn

Propulsion package type 6L21/31-VBS

Main engine	MAN 6L21/31
Output	1290 kW / 1750 BHP at 1000 rev/min
Reduction gearbox	MAN (Alpha Module Gear) AMG 60VO28EV
Reduction ratio	6.0:1
	Integrated shaft brake system
Controllable Pitch Propeller	MAN Alpha VBS740-ODG
Blade profile	High skew
Diameter/speed	3100 mm / 167 rev/min
Propulsion management system	MAN Alphasonic 2000
Control stations	Main bridge and wing panels



GA drawing of the 78 metre COPEINCA newbuilding - sideview showing the MAN 6L21/31-VBS propulsion package installation



Above the complete MAN propulsion package type 6L21/31-VBS, including main engine, reduction gearbox, shafting, controllable pitch propeller and propulsion management system

Left an MAN 6L21/31 engine – ready in a crane at the end of the production line

MAN Diesel & Turbo

MAN Diesel & Turbo SE, based in Augsburg, Germany, is the world's leading provider of large-bore diesel engines and turbomachinery for marine and stationary applications. It designs two-stroke and four-stroke engines that are manufactured both by the company and by its licensees. The engines have power outputs ranging from 47 kW to 97 MW. MAN Diesel & Turbo also designs and manufactures gas turbines of up to 50 MW, steam turbines of up to 150 MW and compressors with volume flows of up to 1.5 million m³/h and pressures of up to 1,000 bar. The product range is rounded off by turbochargers, CP propellers, gas engines, engines for locomotives and chemical reactors. MAN Diesel & Turbo's range of goods includes complete marine propulsion systems, turbomachinery units for the oil & gas as well as the process industries and turnkey power plants. Customers receive worldwide after-sales services marketed under the MAN PrimeServ brand. The company employs around 12,500 staff, primarily in Germany, Denmark, France, Switzerland, the Czech Republic, Italy, India and China; it has a presence in around 150 countries. MAN Diesel & Turbo is a company of the Power Engineering business area of MAN SE, which is listed on the DAX share index of the 30 leading companies in Germany.

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