



**CERTIFICATE FOR
SWITCHGEAR ASSEMBLY**

Type of assembly (Main/Emergency Switchboard, Motor Control Centre, etc.) Frequency Converter (Global Power Converter GPC delta)	Id.No
Manufacturer Jovy Atlas GmbH, Leer / Germany	
Certification ordered by JSC Moscow Shipyard, Moscow / Russia	Purchase order No. 07 I 5005
Intended for JSC Moscow Shipyard / Timmermann Yachts; D26187; DNV Id: 26187	Yard 779

THIS IS TO CERTIFY that the switchgear assembly described below, has been built and tested in accordance with Det Norske Veritas' current Rules for Classification of "Ships", "Mobile Offshore Units" and "High Speed, Light Craft and Naval Surface Craft".

Switchgear specification	Voltage (V) in AC 200-480, out AC 400/230	Power (kW) 60 kVA	Frequency (Hz) in 50/60Hz, out 50Hz
	Current (A) in 3x125, out 3x87	Short circ. Level. (kA) 173A (0,5s)	Degree of protection (IP) 23
	Distribution system 3 Phase 3 Wire <input checked="" type="checkbox"/> Insulated <input type="checkbox"/> Earthed		Ambient temperature (°C) 45

High voltage test: 2,0 kVolts for 1 minutes	Remarks Final approval will be given after successful function testing on board.
Insulation test: >10 MOhm("Megger test")	
Function test: (specify) function as far as practicable, alarm indications	

Marking

For identification the assembly was stamped: **ESN-07-8779** **07 N.V. 07**

This product certificate is only valid when signed and stamped by DNV surveyor

Place: **Hamburg** Date: **2007-07-11**



C. Meyer
C. Meyer
Surveyor

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.