



Type Approval Certificate

Germanischer Lloyd

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. **1159410 HH**
Company **Vacon Oyj**
Runsorintie 7
65380 Vaasa, Finland

Product Description **Frequency Converter**

Type **Drives NXL NXS NXP**
Frame Size: MF4-MF6; FR4-FR9; FR10-14 IP00; FI9-FI13

Environmental Category **A**

Technical Data / Range of Application	Frame:	MF4 - MF6	FR4-FR9	FR10-FR14	FI9-FI14
	Control Module:	NXL	NXS, NXP	NXS, NXP	NXP *
	Rated input Voltage:	230-500V	230-690V	400-690V	400-690V
	Rated input frequency:	50/ 60 Hz (for all here listed)			
	Inverter capacity:	0.55-30kW	1.1-200kW	200-3100kW	90-3100kW
	Max. motor Output:	30kW	200kW	3100kW	3100kW
	Output frequency:	0-320Hz (for all here listed)			
	IP Rating:	IP21/ IP54	IP21/ IP54	IP21/ IP54/IP00	IP00
	Pollution degree:	2 (for all here listed)			
	Over voltage category:	3 (for all here listed)			
	Cooling method:	Forced air-cooling			
	*) NXI, NXA, NXN, NXF or NXB depending on application software				
	EMC measures as per manufacturers manual and IEC 60533 installation zone requirements to be observed. For IT grids requirements of IEC 60533 "special power distribution zone" to be observed. Pollution degree 2 anti-condensation heating in certain circumstances required.				

Test Standard **Guidelines for the Performance of Type Approvals Chapter 2, Edition 2003; IEC 61800-5-1(2003)**

Documents **Test report as per "Vacon_test_report_summary.doc" and "List of test documentation and declarations GL 2012.doc"**

Remarks **In- and output filter configuration as per manufacturers specifications**

Valid until **2017-06-28**

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Type Approval Symbol



File No. **I.H.02**

Hamburg, 2012-06-29

Germanischer Lloyd

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This certificate is issued on the basis of "Regulations for the Performance of Type Tests, Part 0, Procedure".