



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. 12 092 - 98 HH

Company SCHORCH Elektrische Maschinen und Antriebe GmbH
Breite Straße 131
D-41238 Mönchengladbach

Product Description Induction motors

Type BN7

Environmental Category H

Technical Data / Range of Application	Frame size:	180, 200, 225, 250, 280, 315, 355
	Rated voltage:	200 V up to 690 V
	Rated power:	S1, 10 kW up to 820 kW
	Synchronous speed:	500 1/min up to 3600 1/min
	Rated frequency:	50 Hz, 60 Hz
	Ambient temperature:	45° C
		40 °C: 1.04 x PN; 50° C: 0.96 x PN
	Duty type:	S1
		S2-10 min, P = appr. 1.3 x PN S1
		S2-30 min, P = appr. 1.1 x PN S1
		S3-40%, P = appr. 1.1 x PN S1
		S6-40%, P = appr. 1.25 x PN S1
	Insulation class:	B and F
	Degree of protection:	IP 23
	No. of poles:	2, 4, 6, 8, 10, 12 and combinations
	Spec. model:	For marine applications / environments

Test Standard GL Regulations for the Performance of Type Tests, part 1, 1997
EN 60034-1, Nov. 1995

Documents Test reports: 420 of 11.3.98, 421 of 12.03.98, 422 and 424 of 13.3.98
Partlist SEMA/E12 of 07.11.97, Datasheet SCH/MF/E16-MG of 08.94
Drawings 2074646 of 13.06.96, 2050883 of 26.04.91, 2068277 of 06.01.93
2051362 of 30.08.94

Remarks None

Valid until 2008-07-08

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Type Approval Symbol



File No. I.G.03

Hamburg, 2004-03-05

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W. Voß

H. D. Hespe

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