



## Introduction

Electrical drives in their many variations are now in use in every branch of industry. In most processes, they determine by virtue of their characteristics the economy of production. The three-phase asynchronous motors for low voltage from VEM motors GmbH meet the needs of operators with the regard to all-round versatility, superior performance parameters, environmental compatibility and high standard of reliability. VEM motors are designed for the whole of European market and offer

- economical performance, due to high motor efficiencies
- versatility and reduction of stock due to series version in IP 55 degree of protection (higher degree of protection up to IP 66 on request)
- optional terminal box position right/on the top/left
- increased lifetime, reliability and thermal overload capacity by series version insulation class F with thermal reserve (special version insulation class H on request)
- environmental acceptability due to use of a low-noise and bi-directional ventilation system
- supply option complying with Eastern European standards
- performance option of a classic IEC/DIN series and on request a progressive one based on the IEC 72 for attachment dimensions and frame sizes
- attachment options for components as impulse sensors, tachogenerators, brakes, speed sensors and force-ventilation units for accomplishment with recent control methods

EC-Certificate of Conformity	
VEM motors GmbH Carl-Friedrich-Gauß-Str. 1 D-38855 Wernigerode	
The electrical apparatus three-phase asynchronous motors with squirrel cage rotor three-phase asynchronous motors with slip-ring rotor	
of series	
KP../KPE../K10../K11../K20../K21..	K30../K31../K32..
BP../BPE../B10../B11..	G10../G11../GS10../GS11..
AR..	CP../CPE../C10../C11..
AP../APE../A10../A11..	YP../YPE../Y10../Y11../Y20../Y21..
SP../SPE../S10../S11..	KWSU/KOSU
W10../W11../W20../W21..	MPER/MPEF
R10../R11..	M31F
K22.. 355	
are in conformity with the instructions of	
73/23/EWG <b>Low Voltage Directive</b> amended by RL 93/68 /EWG	
89/336/EWG <b>Directive about Electromagnetic Compatibility</b> amended by RL 91/263/EWG. 92/31/EWG and 93/68/EWG	
The conformity with the instructions of these Directives is proved by the observation of following standards:	
European Standard	German Standard / VDE-Classification
EN 50082-1:1992	DIN EN 50082 Teil 1/03.93 - VDE 0839 Teil 82-1/03.93
EN 50081-2:1993	DIN EN 50081 Teil 2/03.94 - VDE 0839 Teil 81-2/03.94
EN 55014:1993	DIN EN 55014/12.93 - VDE 0875 Teil 14/12.93
EN 55104:1995	DIN EN 55104:1995-12 - VDE 0875 Teil 14-2:1995-12
EN 60555-2:1987	DIN VDE 0838 Teil 2/06.87
EN 60555-3:1987	DIN VDE 0838 Teil 3/06.87
EN 60555-3/A1:1991	DIN EN 60555 Teil 3A1/04.93 - VDE 0838 Teil 3A1/04.93
EN 60034-5:1986	DIN VDE 0530 Teil 5/04.88
EN 60034-6:1993	DIN EN 60034-6/08.96 - VDE 0530 Teil 6/08.96
EN 60034-9:1993	DIN EN 60034-9/05.96 - VDE 0530 Teil 9/05.96
	DIN EN 60034-1/02.99 and A1/02.97 and A2/02.98
Wernigerode, February 14 <sup>th</sup> 2000	
 Sales Manager	 Beutner Factory Manager
This certificate attests the conformity with the named Directives, however, it is not a promise of properties in the meaning of product liability.	