

**THREE PHASE SQUIRREL CAGE
INDUCTION MOTORS**

**MEDIUM VOLTAGE
ASYNCHRONOUS**

AMV SERIES




VILMA
MOTORS

ENERGY
MINING
INFRASTRUCTURE

APPLICATIONS

AMV SERIES MOTORS

VILMA MOTORS is a leading motors manufacturer in Europe which supplies AC electric motors for more than 90 years ushering in a new industrial era in Greece and abroad.

By the early 80s VILMA started supplying Medium Voltage Series of three phase induction motors for various of applications.

VILMA MOTORS **AMV Medium Voltage Series** is manufactured with high quality production standards. It is a robust construction made of high quality steel or cast iron.

Thoroughly designed, using modern techniques and enriched with knowledge gained over many years of expertise.

APPLICATIONS



ENERGY



MINING



INFRASTRUCTURE

With proper maintenance AMV series is designed for long life operation. AMV series complies with ENIEC standards.

☑ CE Certified

AMV series are certified with CE marking.

☑ ISO Certified

AMV series are manufactured according to the quality standard ISO 9001:2015.





FEATURES & GENERAL SPECS

Stator Core

High quality silicon steel lamination wound with high quality, flat copper wire carefully wound and formed Primary insulated with Mica Tape & finished with Vacuum Process Integration

Rotor Core

Squirrel cage is finished by the rotor bars and end rings with the use of quality silver soldering preventing fatigue failure. Copper or aluminum bars are used upon the application. Rotor is balanced dynamically & statically in order to meet the specifications of EN IEC 60034-14.

Housing

Motor Speed and applied forces, are carefully studied in order the design of the housing and the bearing selection to ensure steady and excellent performance.

Protection Enclosure

IP55 as standard

Insulation Class F

Insulation class F allows a temperature rise of 105 K with maximum hot spot of 155 °C. Insulation Class H can be provided upon request.

Cooling Method

AMV series are IC 411 or IC 611 or upon project demands.

Continuous Duty S1

Duty S1 is for continuous operation at a constant load for time in order motor to reach its thermal equilibrium.

Vibration Grade

AMV series are N grade R & S grade can be provided Upon request.

Nominal Voltage

6 kV

Nominal Frequency

50 Hz



VILMA MOTORS



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