# THREE-PHASE ASYNCHRONOUS MOTORS

## UL/CSA APPROVED

The UL/CSA mark is a certification for North America and is the most widely accepted and recognised certification throughout the North American market (United States and Canada), South America, Middle East, Africa, Asia and Australia. With regard to the marketing of products on international markets, the purpose of any standard for finished products is to ensure that the equipment will be used safely once installed in the final location. This implies total compliance with national requirements.
Generally, the certification process makes it possible to establish conformity to the requirements of a UL standard through evaluation during the electric motor preliminary design and development phases.

**UL LISTING MARK**
This is the most widely recognised UL mark and refers to finished and complete products. This mark indicates that samples of the product in question have been evaluated and have been found to comply with UL safety requirements. These requirements are essentially based on the safety standards issued by the same UL.
**For combined compliance with Canadian and American standards.**

**UL RECOGNIZED COMPONENT MARK**
The UL mark for components is used specifically for components that are part of a larger product or of a system. These components may be incomplete in terms of construction (for example, electric motors are components that are part of a plant or machine).
**For combined compliance with Canadian and American standards.**

**Motors with Recognized Components:** visit the website **www.database.ul.com** and search the UL Online Directories to find manufacturers who have been achieved UL approval.
• **UL:** Motors evaluated in accordance with UL 1004 have a Control Category Number (CCN) equivalent to **PRGY2**.
• **CSA:** Those evaluated according to UL 1004 and CSA 100, **PRGY8**.

**STANDARD UL**
• UL 1004 Electric motor
• UL 1059 Standard for terminal blocks
• UL 1446 Systems of insulating materials-general
• UL 2111 Impedance-protected motors


The UL type approval is identified by the code E123642 stamped on the motor's rating plate. Type-tested motors include sizes ranging from 63 to 280, a maximum voltage of 600 V with frequencies of 50 and 60 Hz and a type-tested insulation system:

| System Designation | Insulation Class | Maximum Temperature |
|---|---|---|
| DV-155J | 155 (F) | 155°C |
| DV-180C | 180 (H) | 180°C |

ISGEV S.p.A. - 36071 Arzignano (Vicenza), Viale Vicenza 62/bis
Tel. +39 0444 451928, Fax +39 0444 673402, E-mail: info@isgev.com, Internet: www.isgev.com