**Underwriter Laboratories (UL)**

UL is a global independent safety science company to promote safe living and working environments around the world.

UL Recognition, which is used by many manufacturers, is not that well known by customers and they prefer to require the UL “listed” products, which is provided by ABB for its low voltage motors.

The certificate proves that the motors are according to the following standards for safety:

- **UL 1004-1** Rotating Electrical Machines - General Requirements
- **UL 1004-8** Inverter Duty Motors
- **CSA C22.2 No. 100-14** Motors and Generators

**What can be sold?**

Only products manufactured in the factory in Vaasa, Finland are included in the UL certificate.

The motors listed below are UL-certified. Please refer to VnP (variants and prices) to check the availability of the variant code 208.

The certification has been done taken into account the canadian requirements and therefore the variant code 208 can be used instead of the CSA Safety certificate variant code (VC010), if needed.

The following motor series are certified:

- M3BP, M3BPW, M3BPV, M3BC, M3BL, M3BJ, M3LJ, M3LP, M3RP in frame sizes 71-450
- M3BN in frame sizes 40x, 44x, 58x, 68x, or 72x (where x is 0 to 9)

Both motors supplied direct on-line and by frequency converter are saleable.

- All efficiency classes are saleable
- All ambient temperatures are allowed to be sold
- All service factors are allowed
- The maximum allowed speed at frequency converter drive is 6000rpm
- Allowed network voltage is 220-1000V
- Maximum allowed power at 50Hz is 1000kW/1340HP
- Maximum allowed power at 60Hz is 1100kW/1475HP
- Valid for 2-16 poles
All options are available for sale in combination with the UL listed option. If a separate cooling option is ordered together with the UL listed option then the separate cooling motor also will be UL listed.

**What can not be sold ?**

We do not have the UL listed for motors for hazardous areas nor for the motors with aluminum frame.

Motors manufactured in other factories than in Vaasa can not be sold as a UL listed product.

Please check the availability of the option 208 in VnP for more detailed information.

**What about the aluminium frame motors ?**

The aluminum frame motors are certified according to the UL recognized scheme and have different marking on the rating plate as well as different required paper work. You can however order the M3AA160-250 motors with code +029 and get the motors as UL recognized.

**How do I know the motor is according to UL ?**

The delivered motors will have the listing mark including the control number E473868 on the rating plate.

![UL Listed](image)

**How do I order the motor ?**

You must order the option VC208 to get the motor UL listed.

The certificate of compliance is to be found from the ABB intranet pages.

For more information please contact:

[www.abb.com/motors&generators](http://www.abb.com/motors&generators)

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