

## Test Certificate ENERGY STAR N°: 52744025

### **CERTIFICATE OF ENERGY EFFICIENCY EQUIVALENCE**

This is to certify that, while the ice machines manufactured by ITV Ice Makers and marketed by Electrolux are not Energy Star certified, the following models are comparable to ITV Ice Makers' models that have obtained such certification.

Energy Star is a voluntary program initiated by the U.S. Environmental Protection Agency (EPA) in 1992. Its aim is to promote energy efficiency and environmental protection. In the context of commercial ice makers, Energy Star certifies equipment that meets stringent criteria for energy and water efficiency, operating at 115V and 60Hz, typical of the U.S. market. Certified ice makers under this standard are typically 10% more energy efficient and 20% more water efficient compared to standard models.

As Energy Star regulations apply to equipment operating under U.S. conditions, there is no equivalent certification for commercial ice machines operating at 220V and 50Hz, common in Europe. However, we can draw a parallel between ITV's certified models and Electrolux's models in terms of similar energy performance under European conditions.

This equivalence certificate is based on technical comparisons of energy and water consumption between both manufacturers. While there is no direct certification, the mentioned models meet high standards of comparable energy efficiency.

### **CERTIFICADO DE EQUIVALENCIA DE CONSUMO ENERGÉTICO**

Por la presente, NEXO INGENIERIA certifica que, si bien los modelos de máquinas de hielo comercializados por Electrolux y fabricados por ITV Ice Makers no cuentan con la certificación Energy Star, los siguientes modelos cumplen criterios similares a los de ITV Ice Makers que sí están certificados bajo dicha norma.

La certificación Energy Star es un programa voluntario respaldado por la Agencia de Protección Ambiental (EPA) de los EE. UU., que comenzó en 1992 con el objetivo de promover la eficiencia energética y reducir el impacto ambiental. En el ámbito de las máquinas de hielo comerciales, Energy Star garantiza que los equipos certificados cumplan requisitos estrictos de eficiencia en el uso de energía y agua, operando a voltajes de 115V y 60Hz, característicos del mercado estadounidense.

Las máquinas certificadas bajo este estándar suelen ser un 10% más eficientes energéticamente y un 20% más eficientes en el uso del agua en comparación con modelos estándar.

Debido a que Energy Star regula equipos bajo condiciones de operación específicas de EE. UU., no existe una certificación equivalente para máquinas de hielo comerciales que operan con 220V y 50Hz, común en Europa. Sin embargo, podemos establecer un paralelismo entre los modelos certificados de ITV y los modelos de Electrolux con rendimientos energéticos similares bajo estas condiciones europeas.

Este certificado de equivalencia se basa en comparaciones técnicas entre los datos de consumo energético y de agua de ambos fabricantes. Si bien no existe una certificación directa, los modelos aquí mencionados cumplen con altos estándares de eficiencia comparables.

| RESUMEN MÁQUINAS ENERGY STAR    |                                      |                     |                           |            |                            |                              |                                     |                     |                         |
|---------------------------------|--------------------------------------|---------------------|---------------------------|------------|----------------------------|------------------------------|-------------------------------------|---------------------|-------------------------|
| Model name                      | Condenser Unit Model Number          | Equipment Type      | Refrigerant with GWP      | Ice Type   | Harvest Rate (lbs ice/day) | Energy Use (kWh/100 lbs ice) | Potable Water Use (gal/100 lbs ice) | Ice Hardness Factor | Connected Functionality |
| Spika MS 500-A1H 115/60         | MCH 16x38 (Climetal)                 | Ice Making Head     | R-290 (GWP:3   lower GWP) | Batch      | 430                        | 4,89                         | 18,4                                | 0,0                 | No                      |
| IQN 700A 115V/60 Hz R290 UL     | MCHE-D1200C (Danfos) NIQ (Climetal)  | Ice Making Head     | R-290 (GWP:3   lower GWP) | Continuous | 507                        | 4,89                         | 12,00                               | 92,15               | No                      |
| Spika MS 700-22 A1H 115/60 UL   | MCH 16x40 (Climetal)                 | Ice Making Head     | R-404A (GWP:3920)         | Batch      | 627                        | 4,9                          | 14,6                                | 0,0                 | No                      |
| Spika MS 400-22 A1H 115/60 UL   | UL-C005 (Karyer)                     | Ice Making Head     | R-290 (GWP:3   lower GWP) | Batch      | 410                        | 5,11                         | 18,7                                | 0,0                 | No                      |
| Spika NG 360-A1H 115/60 UL R290 | S22 (Roen Est) 9x4 2V T1/4 (Fricold) | Self Contained Unir | R-290 (GWP:3   lower GWP) | Batch      | 292                        | 6,13                         | 18,5                                | 0,0                 | No                      |
| Spika NG 230-A1H 115/60 UL R290 | S22 (Roen Est) 9x4 2V T1/4 (Fricold) | Self Contained Unir | R-290 (GWP:3   lower GWP) | Batch      | 176                        | 6,46                         | 21,4                                | 0,0                 | No                      |
| Spika NG 160-A1H 115/60 UL R290 | S22 (Roen Est) 9x4 2V T1/4 (Fricold) | Self Contained Unir | R-290 (GWP:3   lower GWP) | Batch      | 131                        | 7,34                         | 23,8                                | 0,0                 | No                      |
| Spika NG 130-A1H 115/60 UL R290 | S22 (Roen Est) 9x4 2V T1/4 (Fricold) | Self Contained Unir | R-290 (GWP:3   lower GWP) | Batch      | 114                        | 7,79                         | 22,5                                | 0,0                 | No                      |

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|-----------------------------------------------------------|--------------------------------------|---------------------|---------------------------|------------|----------------------------|------------------------------|-------------------------------------|---------------------|-------------------------|
| Model Name                                                | Condenser Unit Model Number          | Equipment Type      | Refrigerant with GWP      | Ice Type   | Harvest Rate (lbs ice/day) | Energy Use (kWh/100 lbs ice) | Potable Water Use (gal/100 lbs ice) | Ice Hardness Factor | Connected Functionality |
| Spika MS 500-A1H 115/60 57535U 9F73029600-IHD220M2305NP   | MCH 16x38 (Climetal)                 | Ice Making Head     | R-290 (GWP:3   lower GWP) | Batch      | 430                        | 4,89                         | 18,4                                | 0                   | No                      |
| IQN 700A 115V/60 Hz R290 UL                               | MCHE-D1200C (Danfos) NIQ (Climetal)  | Ice Making Head     | R-290 (GWP:3   lower GWP) | Continuous | 507                        | 4,89                         | 12                                  | 92,15               | No                      |
| Spika MS 700-22 A1H 115/60 UL                             | MCH 16x40 (Climetal)                 | Ice Making Head     | R-290 (GWP:3   lower GWP) | Batch      | 627                        | 4,9                          | 14,6                                | 0                   | No                      |
| Spika MS 400-22 A1H 115/60 UL                             | UL-C005 (Karyer)                     | Ice Making Head     | R-290 (GWP:3   lower GWP) | Batch      | 410                        | 5,11                         | 18,7                                | 0                   | No                      |
| Spika NG 360-A1H 115/60 UL R290 9F73029700-IHD451455NP    | S22 (Roen Est) 9x4 2V T1/4 (Fricold) | Self Contained Unit | R-290 (GWP:3   lower GWP) | Batch      | 292                        | 6,13                         | 18,5                                | 0                   | No                      |
| Spika NG 360-W1H 115/60 UL R290 9F73029800 - IHD4101455NP | S22 (Roen Est) 9x4 2V T1/4 (Fricold) | Self Contained Unit | R-290 (GWP:3   lower GWP) | Batch      | 292                        | 6,13                         | 18,5                                | 0                   | No                      |
| Spika NG 230-A1H 115/60 UL R290                           | S22 (Roen Est) 9x4 2V T1/4 (Fricold) | Self Contained Unit | R-290 (GWP:3   lower GWP) | Batch      | 176                        | 6,46                         | 21,4                                | 0                   | No                      |
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