



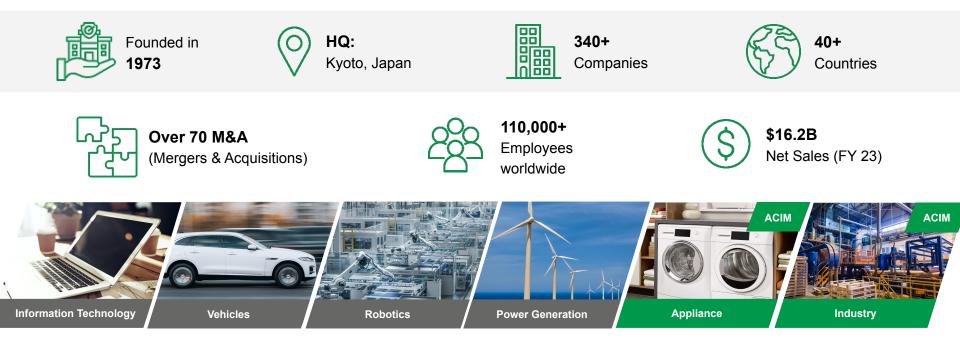


GA Company Profile



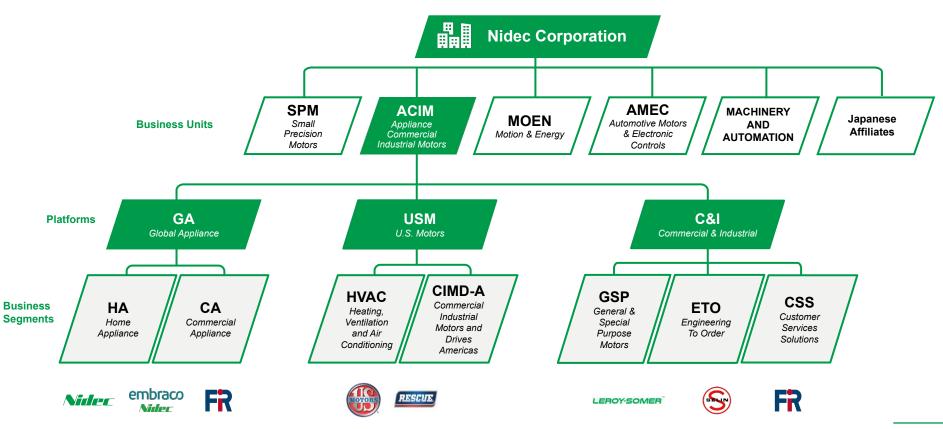


We are part of Nidec Corporation



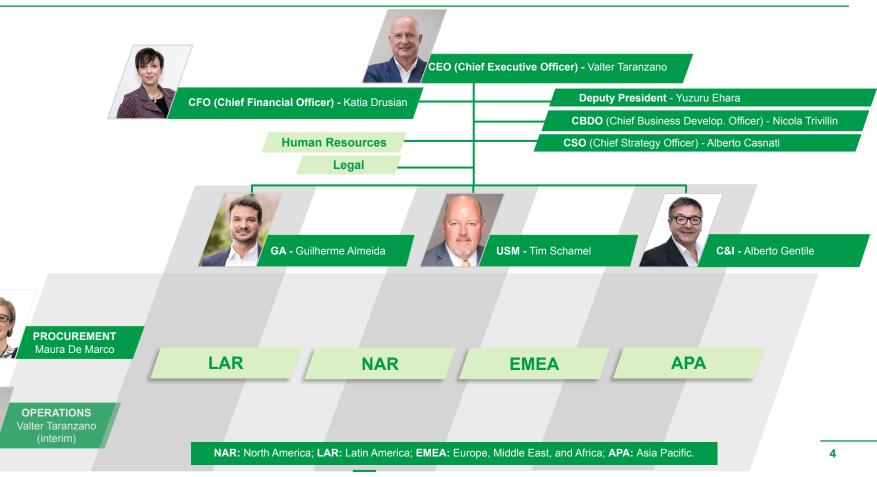
NIDEC CORPORATION STRUCTURE





ACIM STRUCTURE





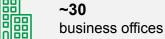


We develop highly-efficient solutions

that empower people and industries to move towards a more sustainable world.



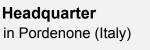




+25 countries



 \bigcirc





+4,000



70,000,000 products sold/year



customers worldwide







ABOUT GA

NIDEC GLOBAL APPLIANCE



GLOBAL APPLIANCE PLATFORM

We are a global partner for **home and commercial** appliances industries

Portfolio of motors, compressors and condensing units designed to deliver the best-in-class performance, differentiated by **low noise, reliability and high energy efficiency** levels.





GA PLATFORM DETAILS





HQ: Joinville (Brazil)



10,000 employees



12 manufacturing plants and **4** business offices across 9 countries



Annual production capacity of **80 million** motors and compressors



8 R&D Centers worldwide and 500+ engineers



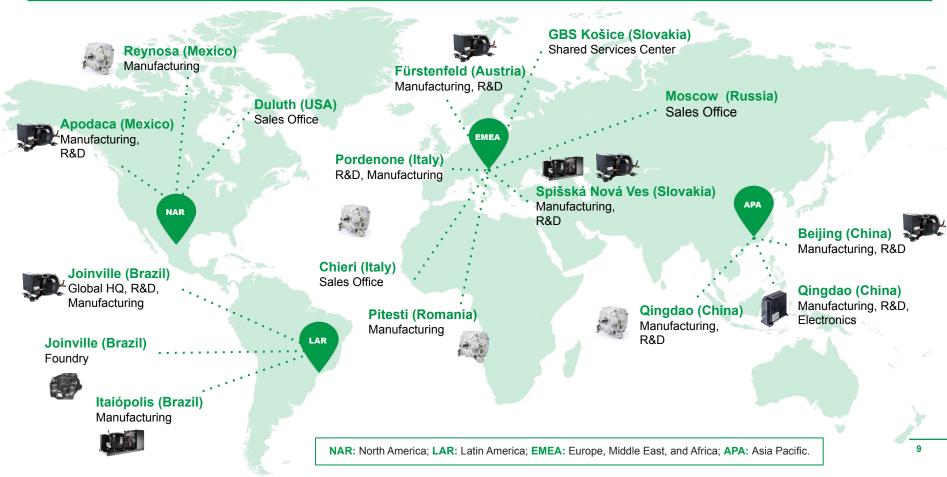
90 countries served by our products



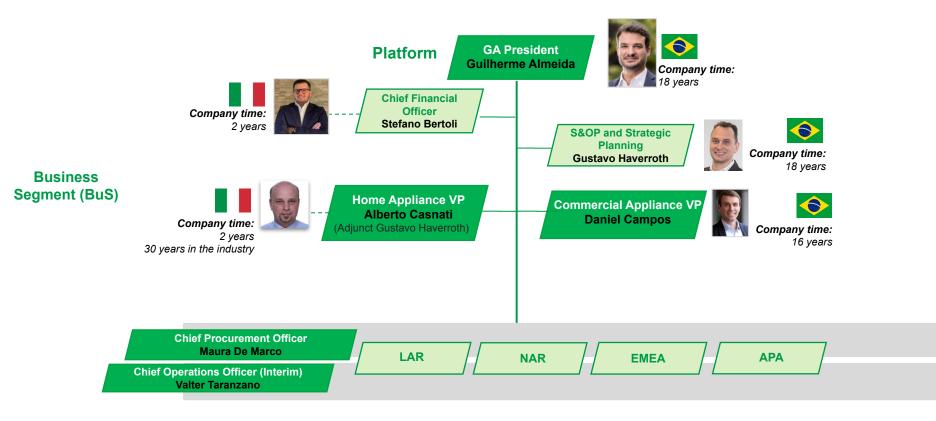


GA GLOBAL PRESENCE

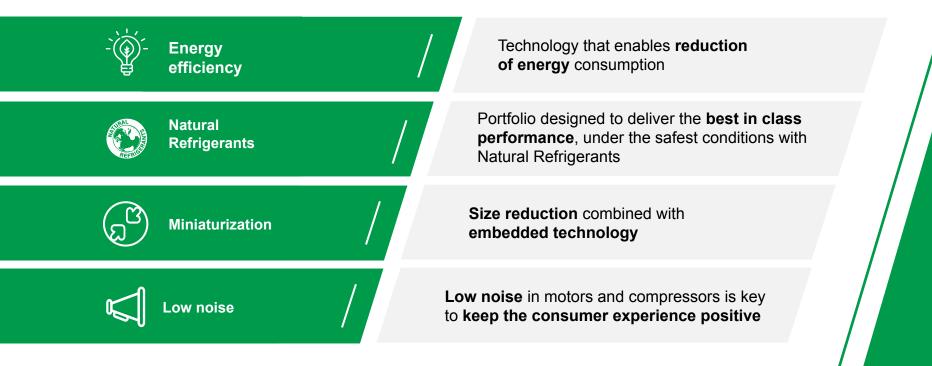




GA STRUCTURE









GA RESEARCH & DEVELOPMENT

We are differentiated by a **deep expertise in Research & Development**, capable of **delivering technology and innovation** that anticipates trends.



Robust structure for innovation

with 8 Research & Development Centers

Partnerships with Universities

in different regions in the world

Local engineering support teams with labs and application

engineers available worldwide

+500 valid patents and +4,500 in the history

Innovation is a continuous process



ABOUT GA

BUSINESS SEGMENTS AND BRANDS





GA BUSINESS SEGMENT

HOME APPLIANCE





Two steps ahead of the trends to drive appliances to a more sustainable future



Motors for washing machines, dryers and dishwashers



embraco

Compressors for refrigerators



We offer innovation through a complete portfolio of motors for Washing machines, Dryers and Dishwashers

Excelling in technologies for low noise, compact and energy efficient solutions





Experts in the OEM process

- Deep understanding of the market
 regulations worldwide
- Highly advanced R&D
- Tailored solutions





THE RIGHT SOLUTION FOR EACH CUSTOMER'S NEED

We are differentiated by our **co-development** methodology with customers, which means:

- Cost savings and improvements in the customer's production line.
- Working closely with customers in the product development process to provide proposals with high added value.
- Formulate the **best solution** for each of our customers' products.

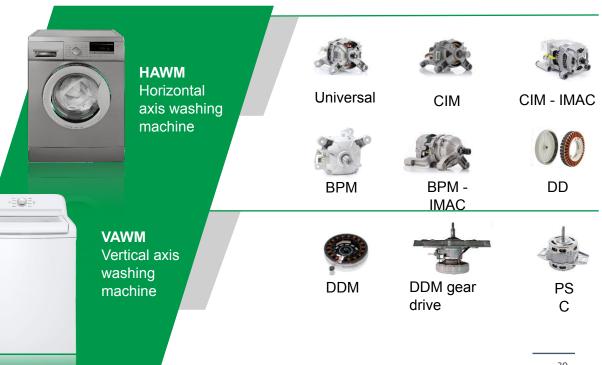




Washing Machine motors in all types of technologies

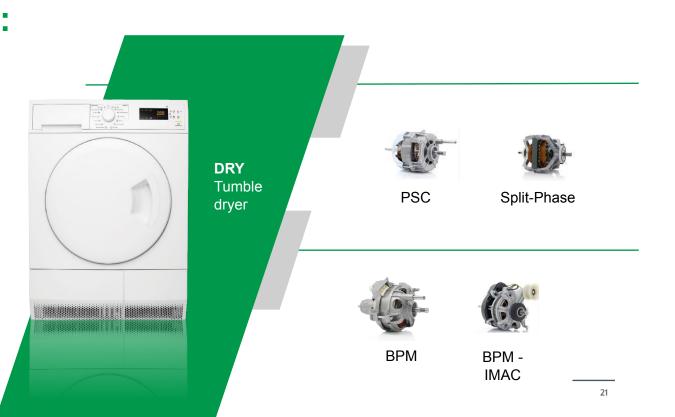
Our range of motors for washers covers the requirements for all regions and types of appliances.

Available also as IMAC (Integrated Motor and Control).





Dryers motors: from classic solutions to second generation BPM models





Complete portfolio of motors for dishwashers, also available with electronic board and integrated heater





Count on our competence in electronic drives



embraco Nider

Solutions for Residential Refrigeration

High-quality and high-performance



Efficiency through constant innovation





Cost Competitive



EMBRACO PORTFOLIO FOR HOME APPLIANCE

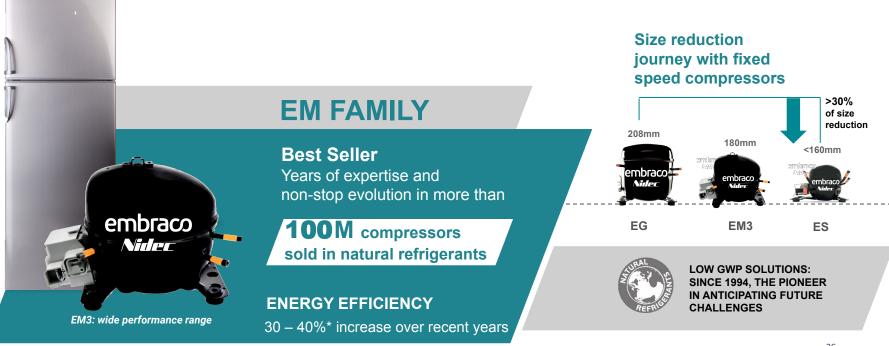


An innovative and efficient portfolio 1000 30 liters liters Reliability: Product life **FIXED SPEED** extension EL ES EM EG Highest efficiency standards **VARIABLE SPEED** and world class low noise FMS FMX VES VEM VEG **FUTURE:** Standardization to cover all High performance with applications' range simplification FMS FMX VES

FIXED SPEED TECHNOLOGY

Renowned fixed speed

Portfolio differentiated by low noise, reliability and high efficiency levels





Extra efficiency and temperature stability for refrigeration



Lowest energy consumption: up to 50%* lower energy consumption



Miniaturization: small on size, but large on its application range



Fast Cooling: target temperature reached faster, ensuring better food preservation

ow noise





FUTURE TECHNOLOGY FOCUS

embraco

Delivering market trends with **breakthrough technology**





GA BUSINESS SEGMENT

COMMERCIAL APPLIANCE

SOLUTIONS FOR COMMERCIAL APPLIANCES





Naturally Efficient: solutions ultra low GWP



Energy efficiency: robust portfolio with low energy consumption



Innovation: tailor-made solutions for the system needs.



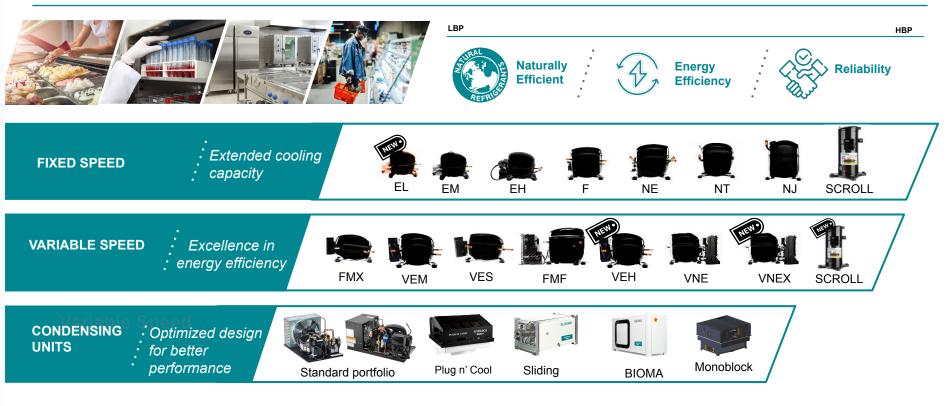
Reliability: product life extension



High-quality and high performance



WIDE APPLICATION RANGE FOR COMMERCIAL REFRIGERATION



embraco

Nidec

FMF SERIES



The most efficient compressor for the commercial segment

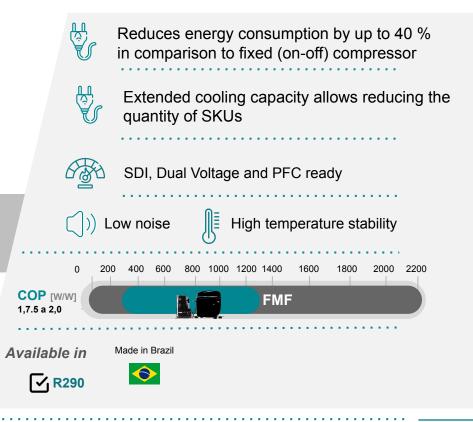


Ideal for supermarkets and special applications









Reliable portfolio of cooling solutions



Covering multiple applications





Cold room

Display cases

LESS COMPLEXITY: complete

pre-assembled high pressure side solution simplifies production process and maintenance.



Customization capabilities: standard portfolio covering a wide range of applications.



Optimized condenser-compressor design leading to improved performance and reliability.



Approved for natural refrigerants use

All components rely on Embraco quality.

embraco

Nider



Urban areas of the European market require a product that

Easy maintenance, fast installation and easy cleaning for refrigeration professionals.



For an in-depth look about our company and solutions, follow our pages:







Global Appliance