

Global Appliance

## **Company Profile**



# WHO WEARE

#### About us



## We are part of Nidec Corporation



Founded in 1973



HQ: Kyoto, Japan



330 +Companies



So far, there have been over 60 M&As.



40+ Countries



120,000 **Employees Worldwide** 



\$1 B 2019 Group Operating Profit

driving power behind growth.

Mergers & Acquisitions (M&A) are the



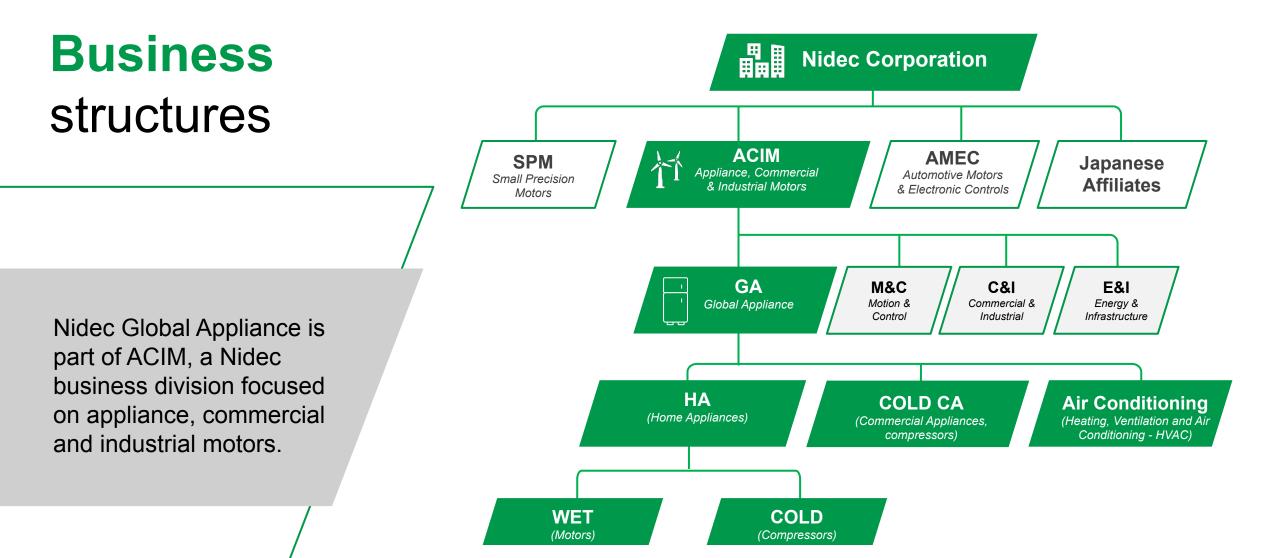




#### Shigenobu Nagamori

Founder, Chairman of the Board & CEO at Kyoto HQ





### **Our Division**



# We are Nidec Global Appliance, a global partner for home and commercial appliances industries



HQs: Joinville (Brazil) and Pordenone (Italy).



**14** manufacturing plants and 4 business offices across 9 countries.





80+ countries served by our products.

Annual production

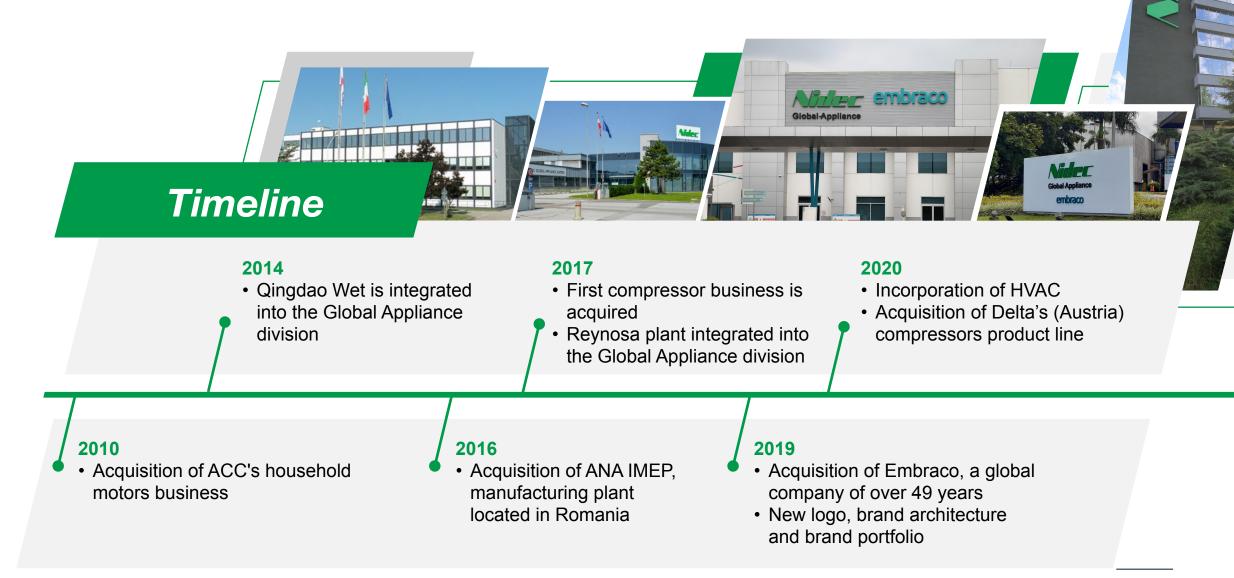
and compressors.

combined capacity of 70 million motors

15,000+ employees.

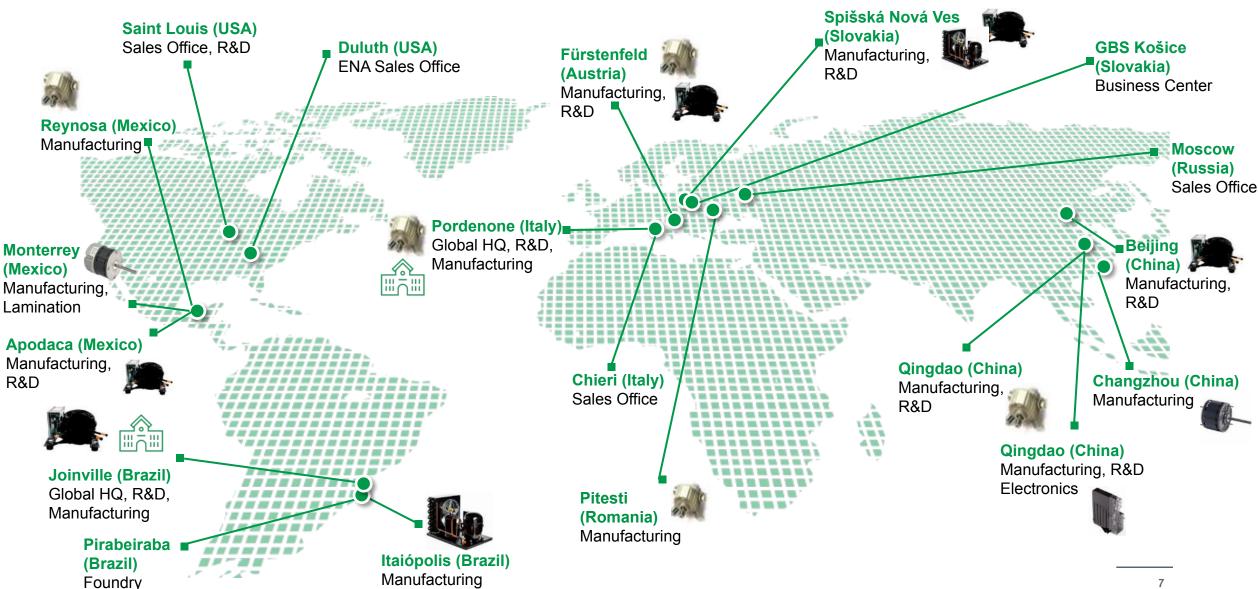


### Nidec GA organizational history



### Nidec GA Global Presence







#### Our purpose: Why we exist

To give life to essential appliances, turning people's day-to-day lives into healthier and more comfortable experiences.

#### Our vision: What we aim for

To be the leading partner in Home & Commercial Appliances and Air Conditioning industries by 2025.

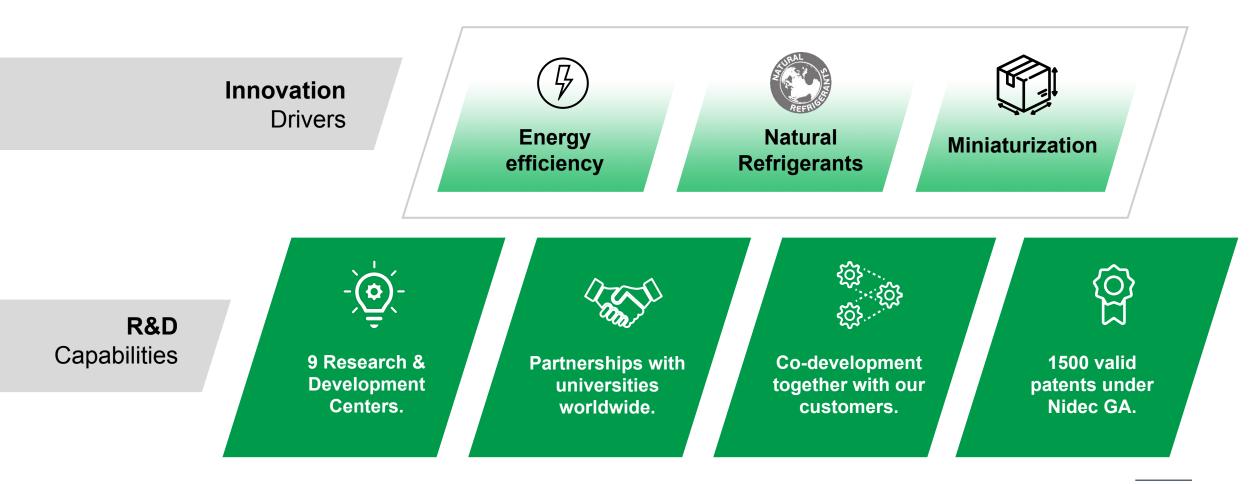
#### Our culture: How we do it everyday

Challenge cost & grow for the future Collaborate without barriers

Act with agility & correctness Innovate ourselves for differentiation Be active learners & developers



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





# BUSINESS UNITS AND BRANDS





# HOME APPLIANCES





Motors for washing machines, dryers and dishwashers.



**Compressors** for refrigerators.





# Motors for washing machines, dryers and dishwashers.

Recognized as energy-efficient and reliable, we are differentiated by our co-development methodology, delivering technologies that are fit for the exact purpose of the customer.





Nidec motors meets a variety of customer's requirements in terms of size, weight, low noise, efficiency, design and technology.

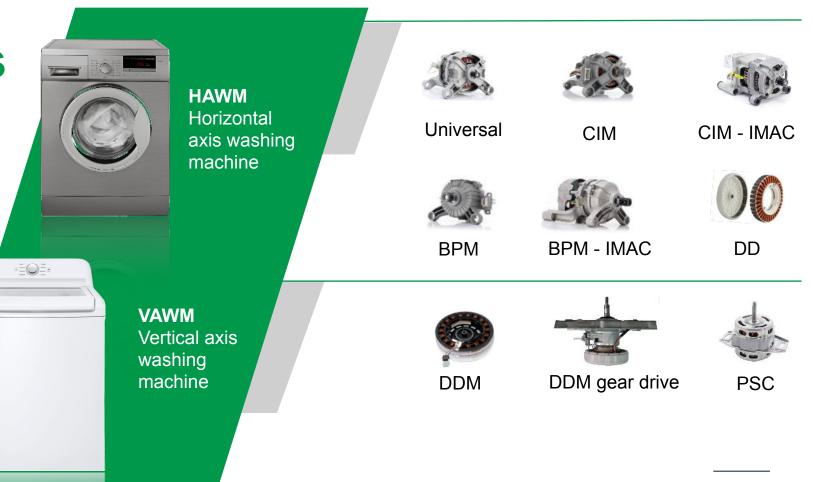
- Experts in the **OEM process**;
- Deep understanding of demands, characteristics and regulations of different markets;
- R&D area with sophisticated testing and analysis capabilities;
- Rapid sample delivery;
- Tailored solutions.





# Washing Machine motors to attend a wide range of market specifications

Our range for Washers covers the requirements for all Regions and type of Appliance. Available also as IMAC (Integrated Motor and Control).





# Different technologies for different needs





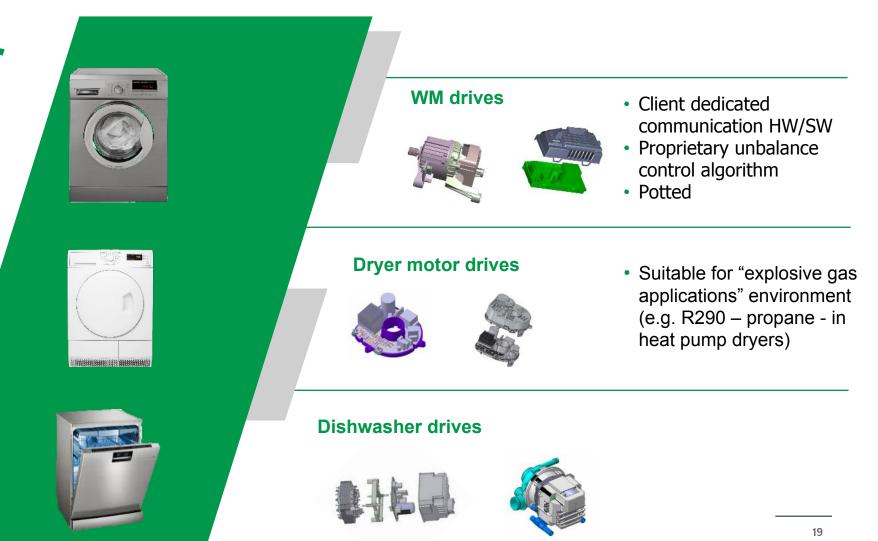
# A truly global presence and highly advanced R&D

Integration of heater on motor pumps as well as electronic drive on our range of high efficient BPM solutions provides additional value to Nidec offer.





Count on our competence in electronic drives.



# embraco

## **Compressors** for **Refrigerators**



High-quality and high-performance



Efficiency through constant innovation



Low noise



More internal cabinet space



Cost Competitive





# An **innovative** and **efficient** portfolio



#### **Fixed Speed**

- Reliability: Product life extension
- Efficiency and robustness

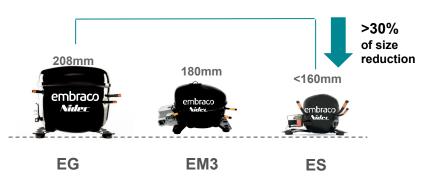
#### Variable Speed

- Highest efficiency standards
- World class low noise
- Precise temperature control

## **Best Seller**

**Platform Evolution** 

Fixed speed portfolio is differentiated by low noise, reliability and high efficiency levels









### Research and Development focused on: Variable Speed



#### **Variable Speed**



**Lowest energy consumption** due to inverter technology, up to 45%\* lower energy consumption



**Miniaturization**: Platforms that are small on size, but large on its application range



**Fast Cooling**: Target temperature reached faster, ensuring better food preservation

Low noise







Ready to attend high-performance requirements and the most restrictive regulations



Designed to deliver high cooling capacity with small size

\*in comparison to the conventional compressor. Efficiency indexes based on internal tests.







# COMMERCIAL APPLIANCES

## embraco Nider

## **Solutions** for **Commercial Appliances**



**Naturally Efficient**: ultra low GWP and better performance.



**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



### Embraco portfolio for commercial refrigeration





### Food Retail & Food Service: Products customized to the market's needs



## BIOMA

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





## Plug n' Cool

Easy maintenance for cold storage

A complete plug in (self-contained) solution designed for food retail, differentiated by a low total cost of ownership





Accelerates the installation process in 70%\*



**Energy efficient:** it reduces energy consumption by 30%\*



**Modular design**, it's great for small family business as well as large wholesalers



**LOW GWP SOLUTION:** for 25 year, the pioneer in anticipate market trends

\*Efficiency indexes based on customer inputs.



# **Condensing Units**

Reliable portfolio of cooling solutions

**LESS COMPLEXITY:** complete pre-assembled high pressure side solution simplifies production process and maintenance.



Standard portfolio covering a wide range of applications. Embraco also has customization capabilities.

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

With options approved for natural refrigerants use

All components rely on Embraco quality.

Medical

refrigeration



## **FMF** series



#### The most efficient compressor for the commercial segment.

The variable speed technology keeps the temperature stable and modulates the capacity, according to the application demand.



Reduces energy consumption by up to 40 % in comparison to fixed (on-off) compressor



High temperature stability



Low noise

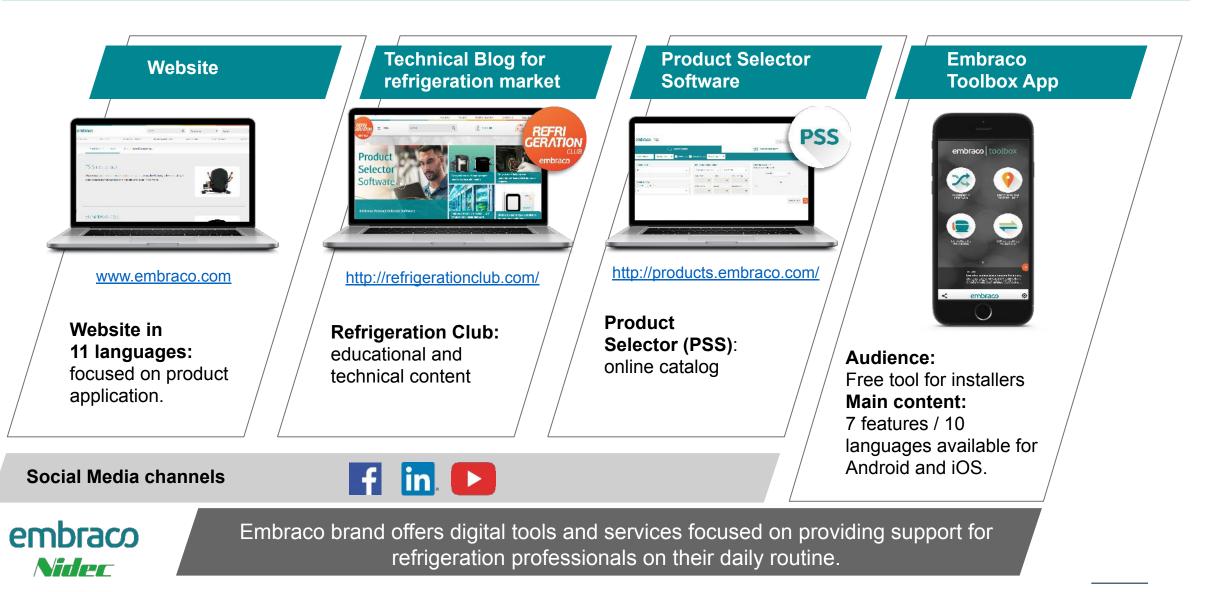


Dual-voltage (110V-220V / 50-60Hz).



Designed to operate with natural refrigerants (R290)







# AIR CONDITIONING (HVAC)



Rely on US

## Heating, Ventilation and Air Conditioning (HVAC)

With roots dating back to 1908, our motor brands are leaders in the North American market, offering a full complement of induction or EC motors designed for single or three phase applications.

**Get to know the main attributes** of our portfolio of components for the HVAC industry:



Technology & Innovation



Reliability



Low lead time



## U.S. MOTORS® Brand



In an energy-conscious world, the U.S. MOTORS® brand continues to be a leader in innovation of new BLDC and other leading technology motors.

U.S. MOTORS® has stood for quality and innovation for more than a century. A broad product offering provides stock motors for most applications, but for specialized motors, our talented engineers will develop a specific solution for the customer.













The RESCUE® line of HVAC motors is part of the U.S. MOTORS® brand product family. Ask for RESCUE®, The Ultimate Truck Stock Motor™.









**Premium brand** 

# Different technologies:

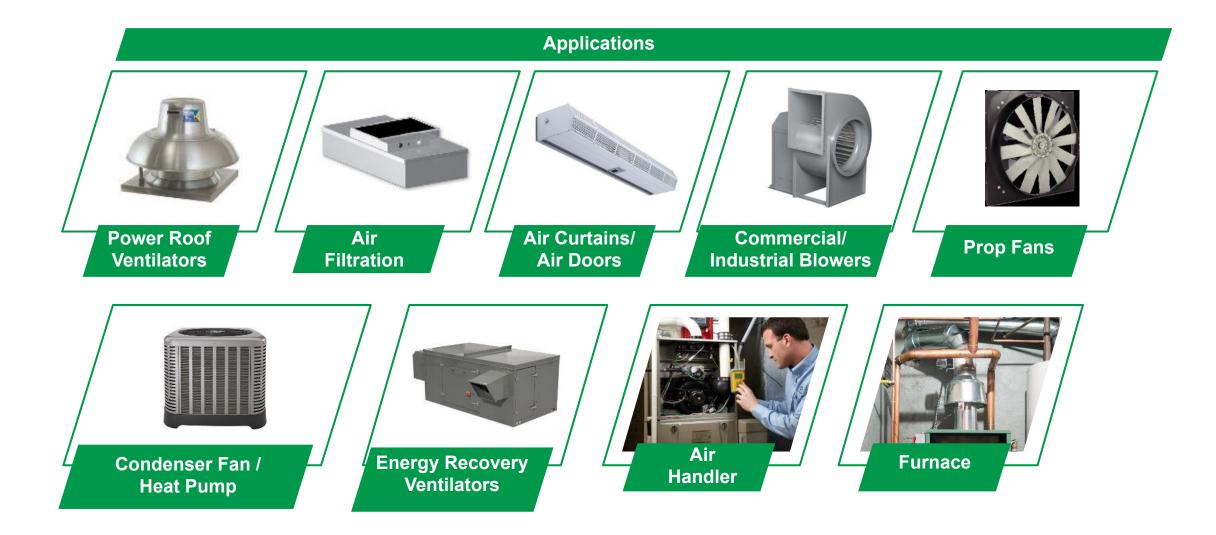
**ECM: 85% EFFICIENCY** *higher cost / premium material inside* 

**PSC: 60% EFFICIENCY** price fighting motors









### Nidec Product Breadth in Position to Serve all OEM Motor Needs





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







**Global** Appliance