

# CORPORATE & PRODUCTS



**MOTOVARIO®**

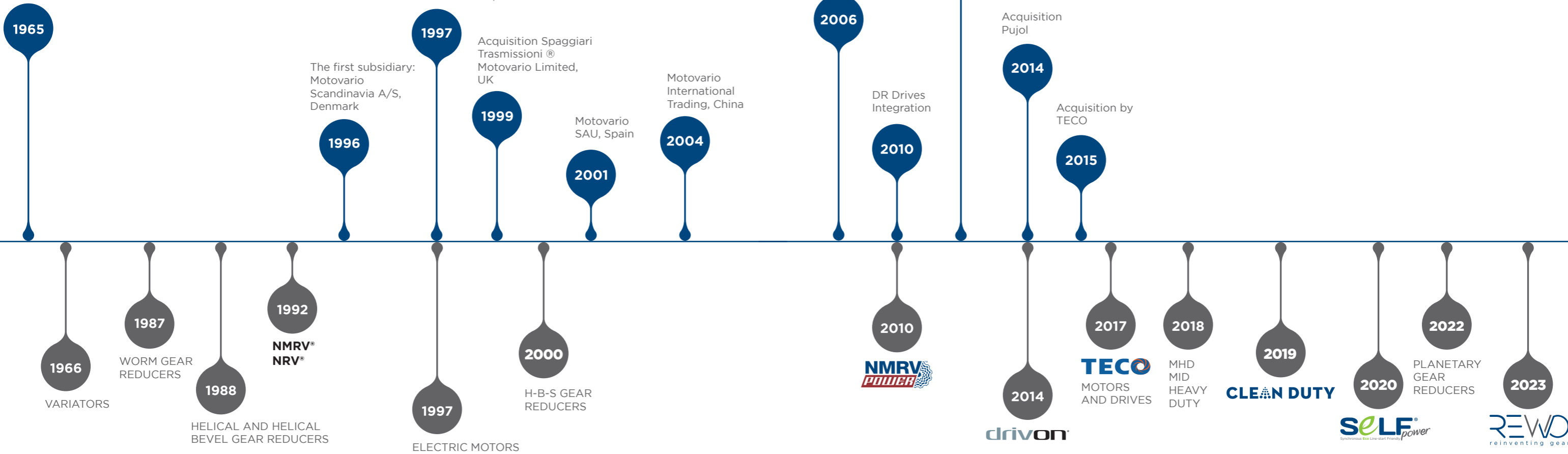
HEART OF MOTION

a **TECO Group** company

# / Who we are /

## TIMELINE

### FOUNDATION



Today, we are part of a solid group, **TECO**, that supports our growth and development. **Founded in 1965, we are an Italian company noted for excellence in transmission components.** Over the decades we have transformed into a multinational company with a global presence.

We study and produce transmission components that, thanks to our inverters, serve the mechanical and mechatronic needs of all industrial sectors. **Our company is formed by people and technology** that turn thoughts into actions and power into movement. **A heart of production staffed by over 600 employees** working at our various plants around the world.

**We produce and market a wide range of products throughout the world:** helical, bevel, parallel, shaft mounted and worm geared motors and reducers, electric motors and inverter motor, speed variators.

**170 numerically-controlled systems served by LGV** to store materials in automated warehouses ensure that the production department operates at **peak efficiency.** **Our highly automated assembly lines are supported by a dedicated IT system.**

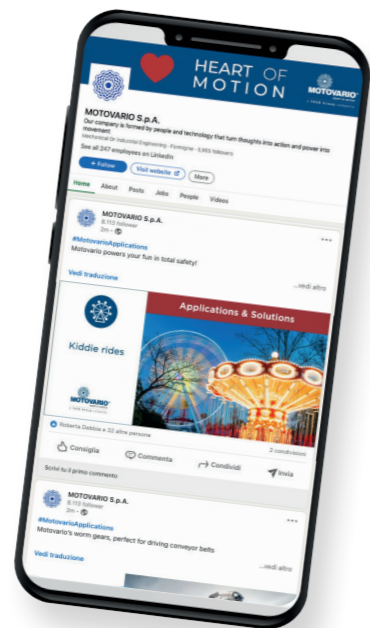
A statistical process control system monitors all process steps to control process performance and avoid rejects.

**Annealing, normalizing, hardening and case-hardening are performed in-house.** The plant operates 24 hours.

**Reliability, robustness and versatility are the defining characteristics of our products.**

# / Social Media /

## OUR DIGITAL COMMUNICATION



Follow us on LinkedIn



Watch our videos on YouTube



Subscribe to our newsletter

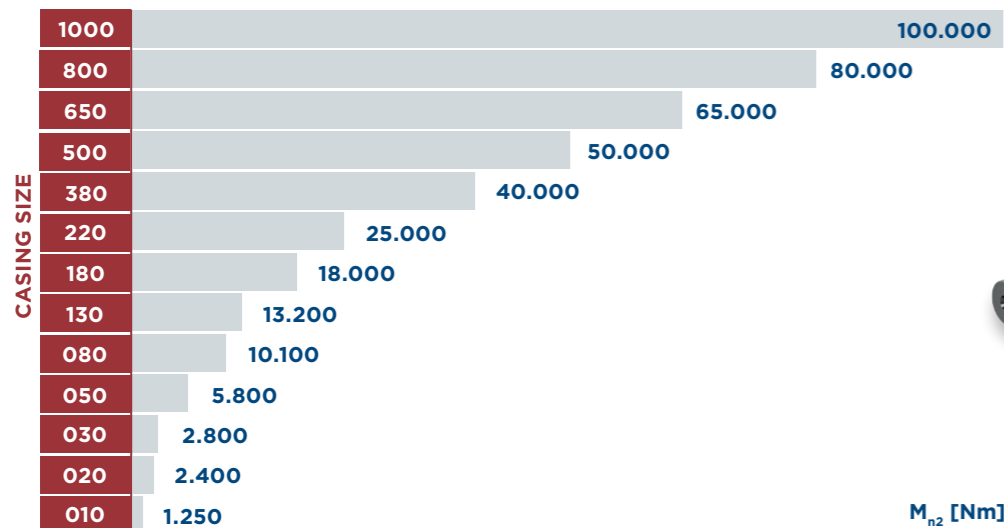


Follow us on our social channels in China as well!



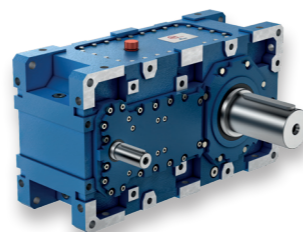
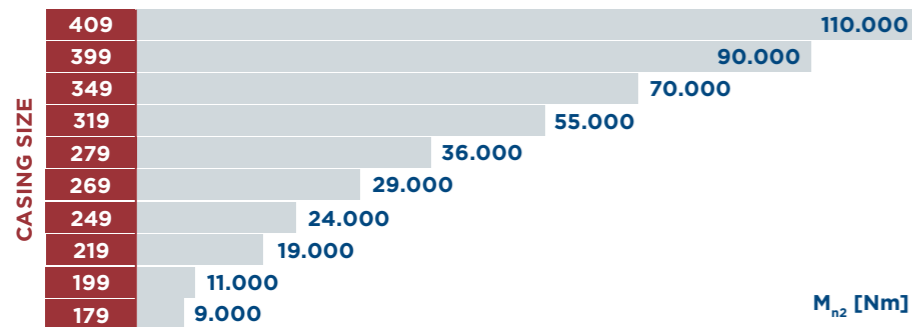
Download WeChat

## HPL Planetary gear reducers

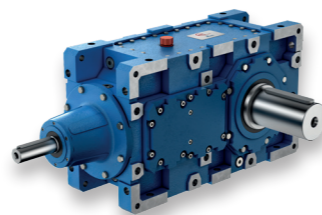


- spheroidal cast iron output modules
- reduction stages 1, 2, 3, 4
- ratios up to 3.000

## MHD Mid Heavy Duty gear reducers



PBZ



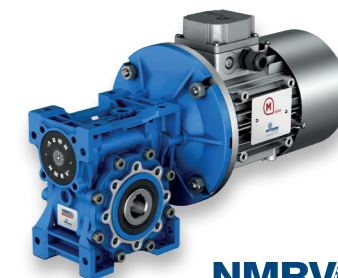
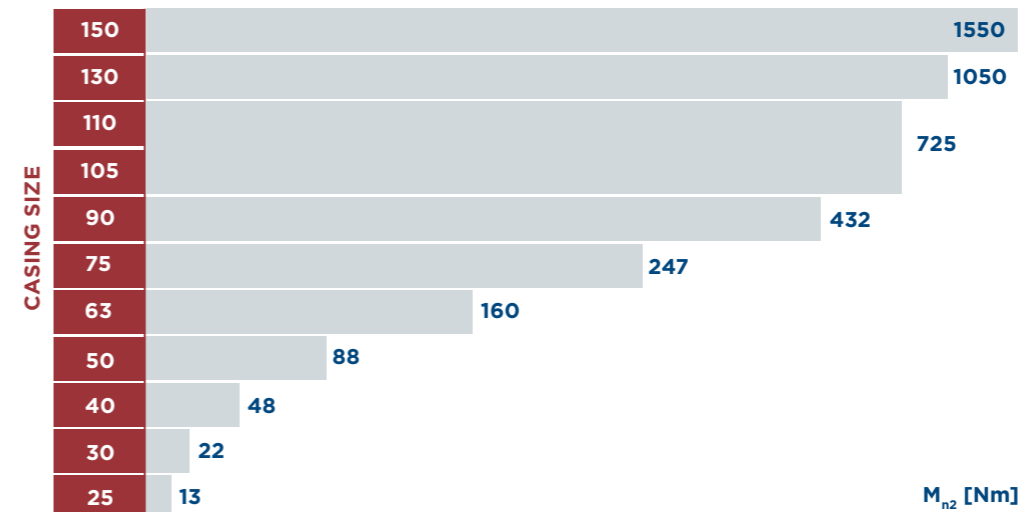
- spheroidal cast iron casing
- solid output shaft from  $\varnothing$  100 up to  $\varnothing$  220
- reduction stages 2, 3, 4
- ratios up to 431

## VAR Motovariators and motovariators-gear reducers

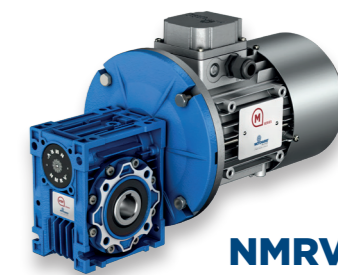
- cast iron or aluminum casing
- compact version with helical gear reducer
- Atex ready
- power up to 9,2 kW
- M<sub>n2</sub> up to 5.000



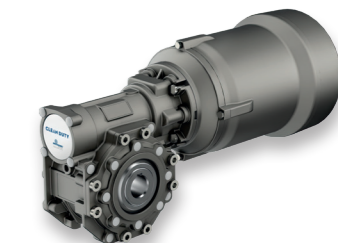
## VSF Worm geared motors and reducers



NMRV POWER



NMRV NRV



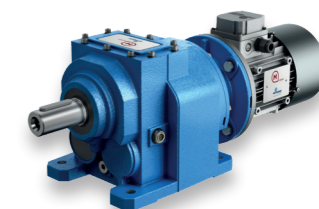
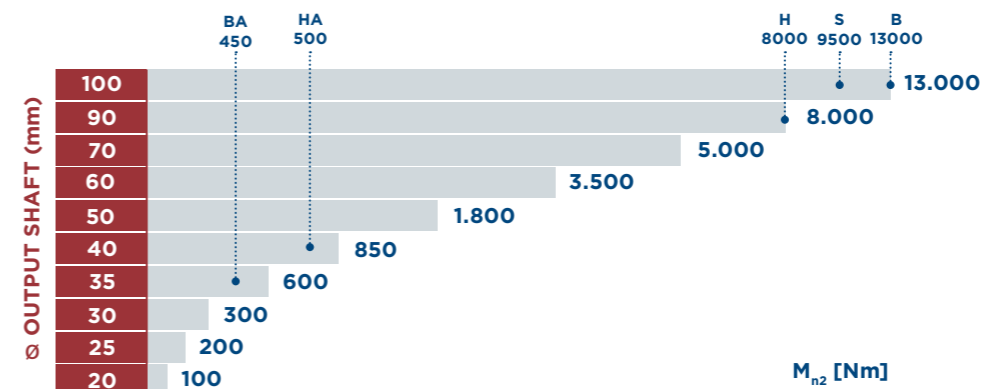
CLEAN DUTY

- cast iron or aluminum casing
- Atex ready
- output shaft from  $\varnothing$  11 up to  $\varnothing$  50
- power up to 15 kW
- ratios up to 1.083

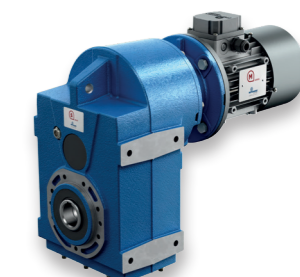
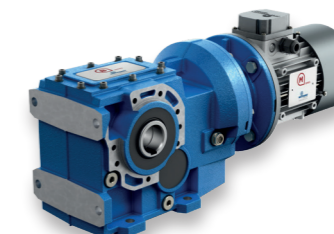
### WORM GEAR REDUCERS FOR AGGRESSIVE ENVIRONMENTS AND HIGH HYGIENE REQUIREMENTS

- casing size from 030 to 090
- MotoNiTech® chemical treatment
- stainless steel output shaft
- power up to 1,5 kW
- ratios from 5 to 100

## HBS Geared motors and reducers



- cast iron or aluminum casing
- Atex ready
- output shaft from  $\varnothing$  11 up to  $\varnothing$  110
- power up to 90 kW
- reduction stages 1, 2, 3
- ratios up to 443



# D Drives



## DRIVON - on-board drive

three phase and single phase power supply

high dynamics sensorless vectorial control

power up to 5,5 kW

standard integrated STO certified SIL3, PLc

integrated field bus: **Modbus** **CANopen**

optional field bus: **EtherCAT** **PROFINET** **PROFINET** **EtherNet/IP**

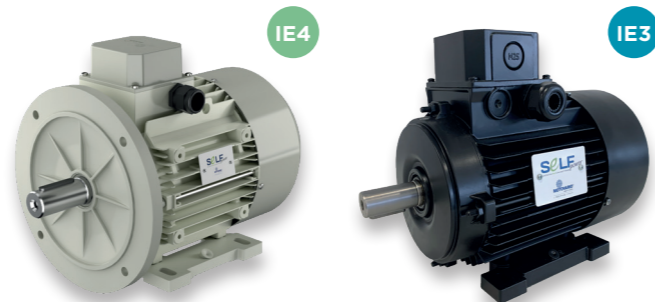
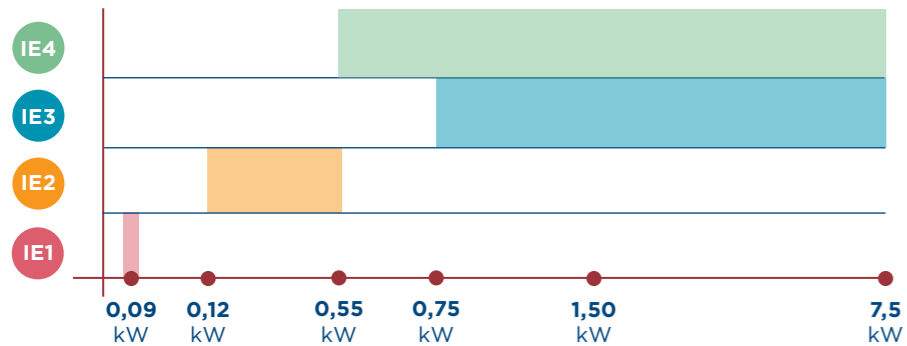
certifications **FUNCTIONAL SAFETY** **UL** **US**



**drivon**

# M Electric motors

## EFFICIENCY



power up to 7,5 kW

**Ex** Atex ready

poles 2, 4, 6

three-phase and three-phase brake motors

single phase, double polarity

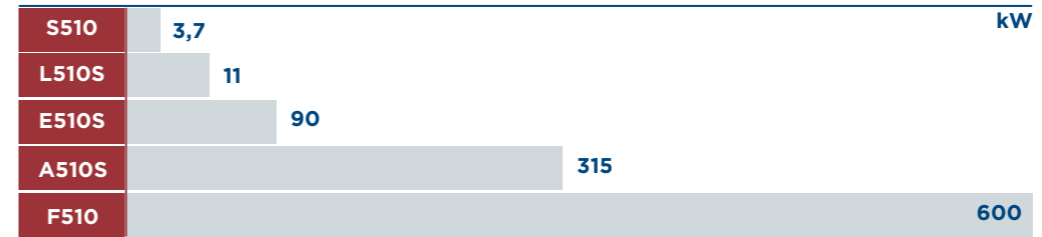
protection degree up to IP66

certifications **UL** **US** **EAC** **CCC**

**SELF** power  
Synchronous Eco Line-start Friendly

# D Drives

## TECO



## S510 - L510S - E510S - A510S - F510 - cabinet drive

compact, standard and premium up to 600 kW

protection degree IP20 - IP66

torque and speed regulation STO

PLC integrated functions

HVAC/R and Building Automation integrated functions

**S510**



**F510**



**A510S**



**L510S**



**E510S**



# M Electric motors

## TECO

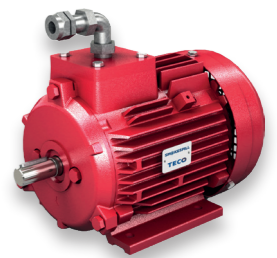
### IEC aluminium and cast iron motors

TECO IE2, IE3, IE4 aluminium and cast Iron squirrel cage induction motors are designed, manufactured and tested to meet the latest European and international standards in output range from 0,75 kW to 315 kW with metric frame size from 80 to 315.



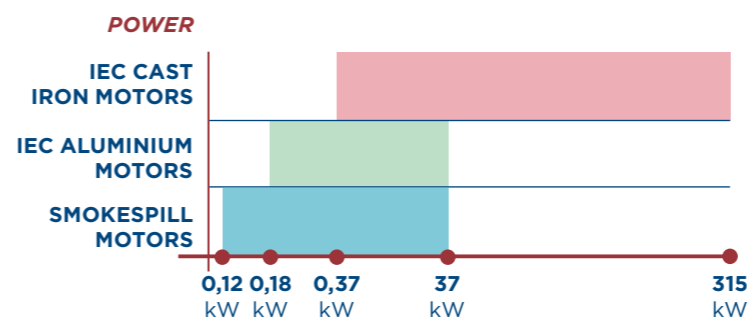
### SMOKESPILL motors

TECO's smokespill motors are designed and tested to operate at extremes of temperature in the event of fires. These motors are installed in ventilation set which is to extract smoke & heat from buildings giving sufficient time for evacuation. The design meets EN12101-3, providing F400, F300 and F200 with efficiency level IE3 and IE2.



### NEMA motors

The TECO-Westinghouse MAX-E1® product line offers a broad range of NEMA Premium Efficiency motors from 3/4 hp to 800 hp. MAX-E1® motors are designed, manufactured and tested to meet or exceed the latest NEMA, IEEE, and other international standards. All motors are CSA certified for Class I, Division II, Groups B, C, and D; temperature code T3C and have a non-sparking, non-static fan. MAX-E2® motors meet IEEE-841 standard, to be suitable for petroleum and chemical industry use. Premium Efficiency Severe-Duty TEFC design up to 500 hp.





# / Customer first /

## MYMOTOVARIO WORLD OF SERVICE

The digital portal dedicated to our customers



### SALES PORTAL

The new service  
dedicated to Motovario  
customers and sales force



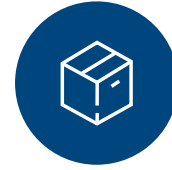
### CORPORATE

Motovario  
corporate area



### ACADEMY

Consult the online  
training to improve  
your knowledge of  
our products



### MY PRODUCTS

With the production  
order, you can find  
the Motovario product



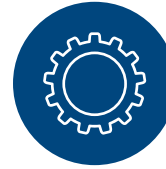
### MAC

Documentation  
and instructions  
for assembling  
Motovario products



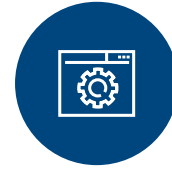
### ORDER TRACKING

The status of your  
orders in one click!



### PRODUCT SELECTION

Download 2D/3D  
drawings and  
datasheet



### DIGITAL SPARE PARTS

On the interactive  
map, choose the  
components you need!



### TECHNICAL DOCUMENTATION

Download  
catalogues, leaflets,  
manuals and software



### STOCK AVAILABILITY

Consult the stocks  
of all Motovario  
warehouses

[my.motovario.com](https://my.motovario.com)

