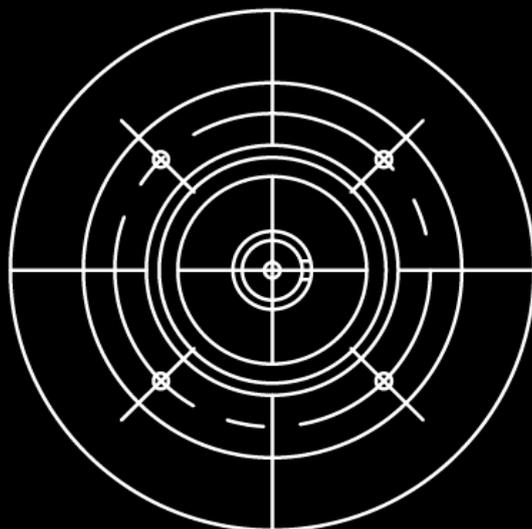
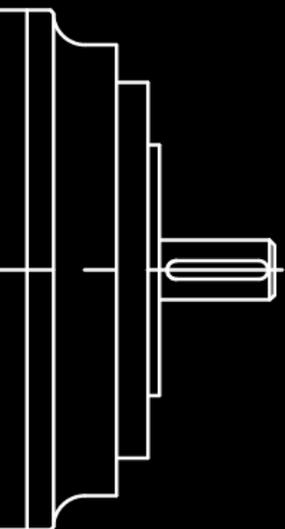




# ELECTRIC MOTORS

## HYGIENIC SERIES





# PRODUCT RANGE



## ELECTRIC MOTOR CHY

2 and 4 poles

Stainless Steel AISI 316L,

Cable gland

Efficiency IE4

From 0,12 kW to 3 kW

Size starting from 56 to 100

## ELECTRIC MOTOR CHW

4 poles

Aluminium - NT Treatment

Efficiency IE4

From 0,12 kW to 1,5 kW

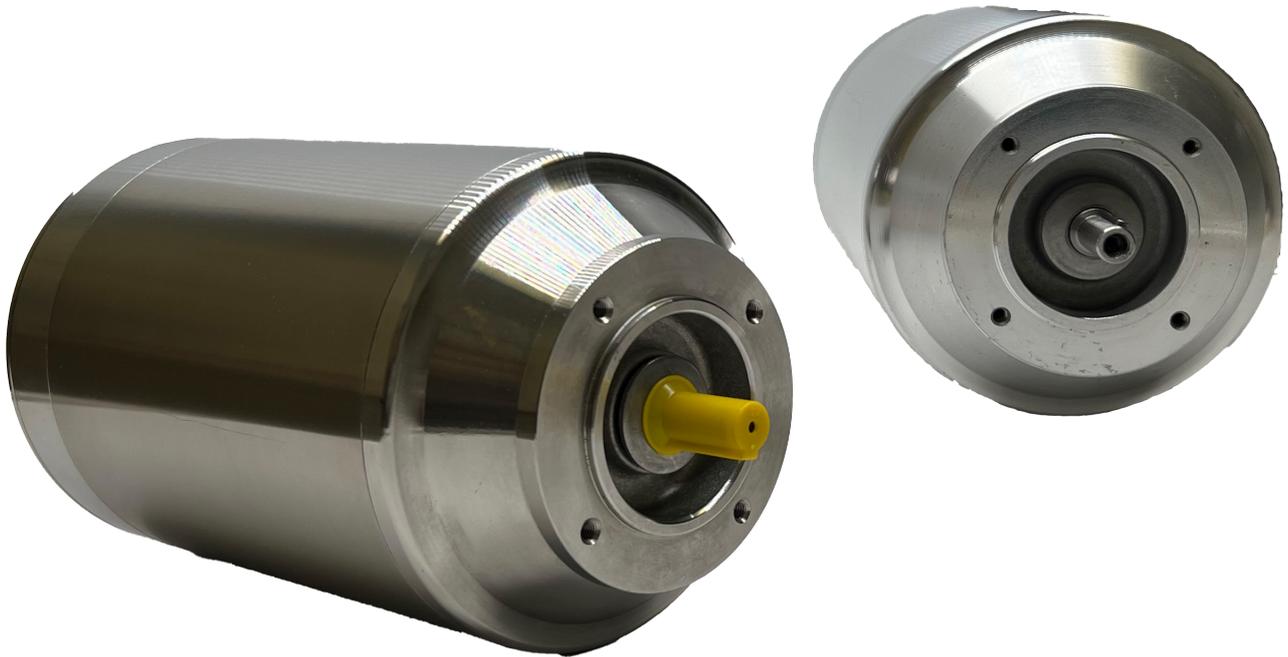
Size starting from 63 to 90



Scan to know more about  
NT Treatment



# PRODUCT CHARACTERISTICS



**High-Quality Construction Materials:** Both motors are built using high-quality materials to ensure excellent strength and long-lasting durability.

**IP69K Protection:** both motors are completely dustproof, can withstand washdown pressures of 80bar (1160 PSI) to 100 bar (1450PSI) in phases of 14 to 16 l/min and at temperature up to 176°F/80°C.

**Closed Non-Ventilated Design (IC410 / IEC 60034-7):** Both motors feature a closed non-ventilated design, providing maximum protection against dust and external contaminants, meeting the needs of applications in environments clean and aseptic.

**Corrosion Resistance:** Thanks to the construction in AISI 316L stainless steel (for CHY) or aluminum (for CHW) and the Hi-Cleaning coating (for CHW), both motors offer excellent corrosion resistance, ensuring reliable performance in aggressive environments.

**Food Contact Certification:** Both motors are certified for food contact according to UNI EN 1186/1:2003 regulations and European directives 2002/72/EC and 1935/2004/EC, ensuring maximum safety in food product handling.

**IE4 Energy Efficiency:** CHW and CHY motors are rated with high energy efficiency IE4, contributing to reducing operational costs and environmental impact.



# ELECTRIC MOTOR CHY



4 poles, Inverter duty

$\Delta/Y$  230/400V/50Hz

I.C.I.F - IP69K - IC410 - Service S1

Stainless Steel AISI 316L,

Cable gland

Efficiency IE4 (IEC60034-30, IEC60034-2-1)

**Stainless Steel 316L Construction:** CHY motors are made with high-quality materials, including AISI 316L stainless steel, which provides superior corrosion resistance and long-lasting durability.

**IP69K Protection:** both motors are completely dustproof, can withstand washdown pressures of 80 bar (1160 PSI) to 100 bar (1450 PSI) in phases of 14 to 16 l/min and at temperature up to 176°F/80°C.

**Cooling Finless Design:** The cooling finless design eliminates potential areas of dirt and bacteria accumulation, facilitating cleaning and ensuring high hygiene standards.

**No Painting and Smooth Surfaces:** CHY motors have no painted surfaces that could peel over time. Smooth surfaces ease waste removal and cleaning, reducing the risk of contamination.

**AISI 420 Stainless Steel Shaft:** The motor shaft is made of AISI 420 stainless steel with magnetic properties, ensuring greater strength and durability.

**Certifications for Food and Pharmaceutical Industries:** CHY motors are certified for use in food and pharmaceutical environments, ensuring maximum safety and compliance with hygiene standards.

**IE4 Energy Efficiency:** CHY motors are classified with high IE4 energy efficiency, contributing to reducing operational costs and environmental impact.

**Compatibility with Inverters:** CHY motors are suitable for use with inverters, offering precise speed control and increased flexibility in production operations.

# ELECTRIC MOTOR CHW



4 poles, Inverter duty

$\Delta/Y$  230/400V/50Hz

I.C.I.F - IP67 - IC410 - Service S1

Aluminium

Efficiency IE4 (IEC60034-30, IEC60034-2-1)



**Aluminum Construction:** CHW motors are built with a aluminum construction, offering excellent resistance and long-lasting durability.

**NT Treatment:** The innovative coating makes the surface extremely easy to clean and resistant to the most aggressive sanitizing detergents used in sanitation operations.

**IP69K Protection:** both motors are completely dustproof, can withstand washdown pressures of 80bar (1160 PSI) to 100 bar(1450PSI) in phases of 14 to 16 l/min and at temperature up to 176°F/80°C.

**Closed Non-Ventilated Design (IC410 / IEC 60034-7):** The closed non-ventilated design ensures maximum protection against dust and external contaminants, meeting the needs of ultra-hygienic clean lines.

**Corrosion Resistance:** Thanks to the aluminum construction and Hi-Cleaning coating, CHW motors offer excellent corrosion resistance, ensuring reliable performance even in aggressive environments.

**Food Contact Certification:** The NT coating is certified for food contact according to UNI EN 1186/1:2003 regulations and European directives 2002/72/EC and 1935/2004/CE, ensuring maximum safety in food product handling.

**IE4 Energy Efficiency:** CHW motors are classified with high IE4 energy efficiency, contributing to reducing operational costs and environmental impact.

**Abrasion Testing:** The NTT coating has undergone abrasion testing, ensuring the resistance and durability of the coating even after the use of sanitizing detergents.

**Laser engraved specifications:** All technical informations regarding the product are laser engraved into the product to avoid the creation of areas where dirt and dust can accumulate.



*Cavaria con Premezzo  
21044 - Varese - ITALY  
Via per Cedrate, 476 - P.O. 10  
Tel. +039 - 0331 214511*

*[www.chiaravalli.com](http://www.chiaravalli.com)*

