

# INDUSTRIAL ELEVATOR



**EK Range**  
According to EN 12159

# EK Range

## Elevator for special applications

Observe, listen and talk, these are our best tools for starting to detect any problems and issues that our customers may need to resolve. ELEVEK by CF with its multidisciplinary teams is present in the petroleum, cement, mining and port industries.

The EK lift range has been designed for use in sectors relating to oil, cement, chimney, mining and ports.

In order to maintain the standards of safety and quality of our lifts, each application is accompanied by a prior study to adapt and integrate the product.

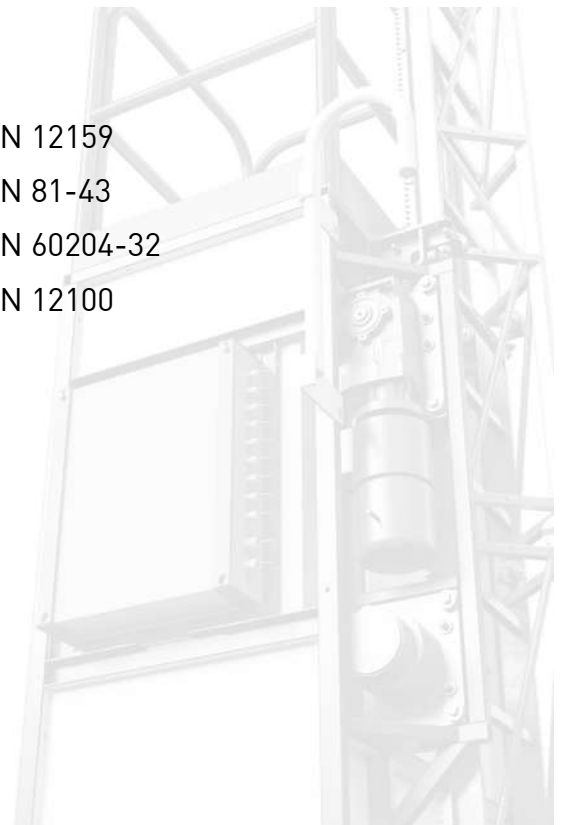
The material quality, surface finishes and critical safety components guarantee the minimum environmental impact during the required operating lifespan.

### Codes and regulations

- 2006/42/EC Machinery Directive
- 2006/95/EC Low Voltage Directive
- 2004/108/EC Electromagnetic Compatibility Directive
- EN 12159
- EN 81-43
- EN 60204-32
- EN 12100

### Features

- Mast shape: flat / triangular / square
- Floating plate for drive unit
- Modular panels: walls, windows, doors
- Specific requirements available to be studied with the customer



# Technical specification



	EK300	EK400	EK500
Load capacity (kg / pax)	300 / 3	400 / 4	500 / 5
Rated speed (m/min)	33	40 (*)	40 (*)
Maximum height (m)	150	150 (*)	150 (*)
Cabin size (m x m)	0,9 x 1 x 2	1,1 x 1 x 2	1,3 x 1 x 2
Number of motors	1	1	1
Mast section length (m)		1,5	
Module		6	
Power supply		400V 3P+N+PE 50/60Hz	
Control voltaje (V)		48	

(\*) For higher values contact us

## Environment protection

Mast Section and Ties	Hot dip galvanized EN-ISO 1461:2010
Chassis	Hot dip galvanized EN-ISO 1461:2010
Cage	C5-M- 320µ (BA/BD Epoxy Zinc 60µ; BA/BD Epoxy 200µ; BA/BD Poliuretano 60 µ)
Control box	Stainless Steel AISI 316
Motor-brake	C5 M-H IP 55
Electrical components	IP 66
Fasteners	≤M10 stainless Steel / ≥M12 according marine applications

## Safeties

- One geared motor brake
- Over-speed safety device
- Overload device
- Rack inductive detector
- Emergency stop
- Travel limit switches
- Buffers at the travel limits
- Non-slipping floor
- Cabin access door with electromechanical interlock
- Frequency inverter
- Low voltaje panel
- Phase control
- Emergency exit at the cabin roof
- Cabin roof railing
- Liftway protection and landing gates
- Manoeuvre validation system
- Manual emergency descend system
- Emergency acoustic signal
- Cabin lightning
- Emergency phone

# E L E V E K

by **CICLO FAPRIL**

**PLAN. CHALLENGE. RISE**



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