

# PLATINUM CIMBASSO

Smallest High Voltage  
Servo Drives



Go Safer, Smarter, Smaller, Simpler.  
**Go Platinum.**

**Platinum**  
by **Elmo**

Safer, Smarter, Smaller, Simpler

# Platinum Cimbasso Smallest High Voltage Servo Drives

- › Up to 32KW, 800VDC
- › Ultra-Fast EtherCAT Networking
- › Integrated Safe I/Os (2 SIL3 inputs + 2 STO hardware inputs + SIL3 break outputs)

The Platinum Cimbasso is a most compact high voltage, direct to the mains servo drive delivering up to 22KW (800V Model) in a compact package:

**With Fans:** 158 x 110 x 73mm / 6.2" x 4.3" x 3", Weight: 1240g

**LSHAPE:** 144 x 110 x 48mm / 5.7" x 4.3" x 1.9", Weight: 650g.

## The Platinum Cimbasso is available in the following configuration:

### Servo drive with Full Functional Safety over EtherCAT FSoE and Safe IOs

The configuration supports Safe Digital Inputs, Outputs including Brakes and the operation of safety function either via FSOE or via the Digital Inputs.

The Platinum Cimbasso is a high power density Servo Drive providing top performance, Functional Safety, advanced networking, as well as a fully featured motion controller and local intelligence.

The Cimbasso Servo drive is easily set up and tuned using the Elmo Application Studio (EASII) software tools, now available in both 32bit and 64bit versions. As part of the Platinum product line, it is fully programmable with the Elmo motion control language.

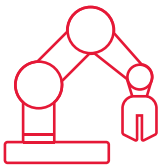
It is available in a variety of options. There are multiple power rating options, two different communications options, a variety of feedback selections and I/O configuration possibilities.

## 800V Type Model

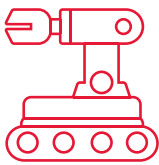


Feature	Units	R8/800	R16/800	R25/800	R50/800
Minimum supply voltage	VDC	50			
Nominal supply voltage	VDC	560 (when rectified from 3 x 400 VAC) 680 (when rectified from 3 x 480 VAC)			
Maximum supply voltage	VDC	780			
Maximum continuous power output	kW	5	10	16	32
Efficiency at rated power (at nominal conditions)	%	> 98			
Control Power supply voltage	VDC	L-Shape: 19 – 30 Fins+Fan: 24 ± 10%			
Control Power supply consumption	VA	L-Shape: 5 Fins+Fan: 12			
Continuous current limit (Ic) Amplitude sinusoidal/DC trapezoidal commutation	A	8	16	25	50
Sinusoidal continuous RMS current limit (Ic)	A	5.6	11.3	17.7	35.3
Peak current limit	A	No peak			

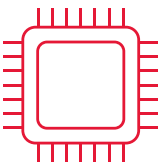
Platinum drives provide an unmatched solution for applications requiring the highest-quality of motion and performance, in medical, robotics, material handling, semiconductor, laser processing, printing, and inspection, as well as for other applications in varied industries.



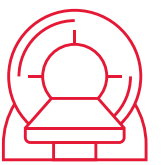
Robotics



Unmanned



Electronics

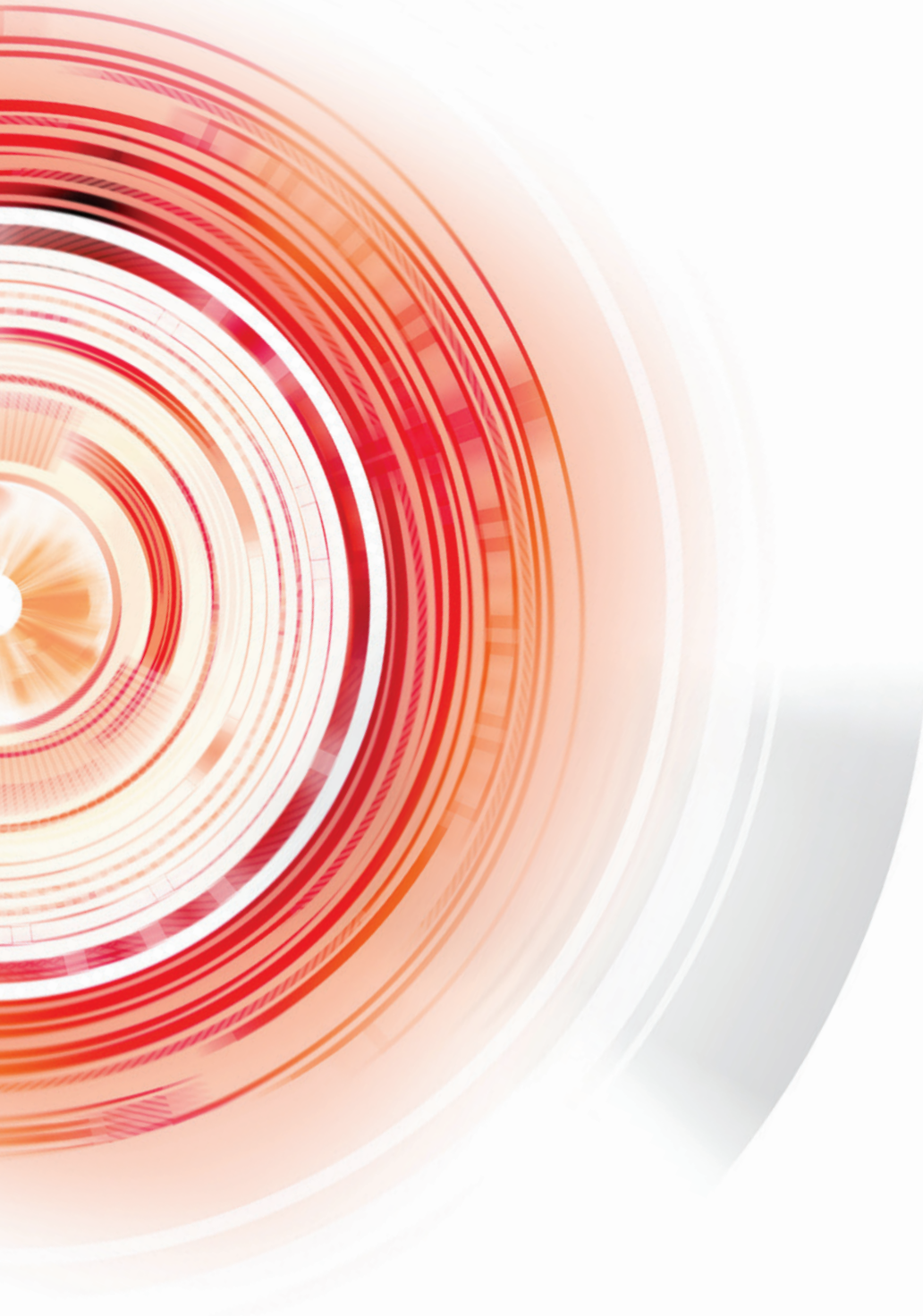


Medical

## Availability:

- › Samples end of 4Q20 (With CE Declaration)
- › Production 1Q21 (With CE Declaration)
- › Certified FSOE 1Q21





Any Motor



Any Feedback

**Elmo Motion Control Ltd.**

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