



***R.E.M. s.r.l.***

*Via Ferruccia, 16/A– 03010 Patrica (FR)*

*Tel. 0775 830116 – Fax 0775 839345*



Spett.le  
**MA Automotive Brasil**  
**Porto Real Rio De Janeiro**  
**Brasil**

**Frosinone, 28/11/2020**

**Offer:** 2020\_ 0798

**Subject:** offer of electric motors and inverter

With reference to your supply request for the Leroy Somer LSK2504 CL06 393Kw and LSK2004 L11 176Kw motors, we will quote you a new AC system consisting of motors and inverters

**LSK2504 ELECTRIC MOTORS**

Supply of a Nidec AC electric motor with the following characteristics:

- CPLS250M
- Kw 450
- 2150 Rpm
- V 400 A 778
- Construction form B3
- IP23 Cl. F serv. S1
- IC06 ventilation by means of a 400V Three-phase electric fan, air inlet filter
- 1024 I / G encoder
- Front roller bearing and insulated bearing

**NB: mechanical dimensions and holes different from the current electric motors**

Supply of electrical control panel with the following characteristics:

- Electrical panel in sheet metal dimensions 2100x2000x600 mm
- Two ventilation boxes on the top of the switchboard
- Switch disconnector with 3x800A fuses
- Protection fuses of the type for electronic equipment
- Voltage presence module
- Internal panel lighting
- Auxiliary voltage transformer complete with electrical protections
- 24Vdc power supply complete with electrical protections
- Two 250Kw Unidrive M Modular power modules
- Master control module with STO inputs (Safety)
- Follower control module
- KI Keypad
- Two EMC filters
- Two inductance input
- Two output inductance



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AZIENDA CERTIFICATA  
EN ISO 9001:2008



Dasa-Rägister

**SINCERT**  
VERIFICHE E CERTIFICAZIONI

Supply of two external braking boxes (to be installed outside the electrical panel)

Supply of electrical cables for installation (measurements provided by you)

- Mt 90 FG7 shielded unipolar 120 mm cable
- Mt 90 FG7 unipolar 120 mm cable
- Mt 30 N07 unipolar 120 mmq GV cable
- Mt 20 shielded encoder cable
- Mt 20 FG7 multipolar 4x2.5 mmq cable
- Mt 20 FG7 multipolar 3x1.5 mmq cable

Provision of a technician to supervise the installation and commissioning at your company in Brazil:

Nr 01 hardware / software technician for 7 days (of which 4 days for electrical assembly and 3 days for commissioning and training of your electrical staff)

**NB:** For the electrical disassembly and reassembly work to be carried out, 6 electricians and 2 mechanics are required for the first 2 days (obviously before the arrival of our technician all the construction works of the mechanical parts must have been carried out), while for the remaining 2 days it takes 4 electricians

Provision of the following technical documentation:

- Electrical diagram of the panel
- Declaration of conformity of the electrical panel
- Copy of the application software

**Total:** € 66.950,00 + VAT

**Delivery time:** 8-9 weeks from order s.i.

**Offer validity:** 60 days

**Payment:** 40% upon ordering by bank transfer; 40% upon collection of the material from our company by bank transfer; 20% after testing at your company and in any case no later than 60 days after the departure of the material from Italy by bank transfer

**NB:** you are responsible for the collection and transport of materials from our company to Brazil; travel, handling, board and lodging costs for our staff

**NB:** for stays in Brazil not dependent on our company we will apply the following economic rate: € 1,000.00 + VAT per day (all the costs of accommodation and meals provided by your supplier)



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## LSK2004 ELECTRIC MOTORS

Supply of a Nidec AC electric motor with the following characteristics:

- CPLS200S
- Kw 180
- 2250 Rpm
- V 400 A 357
- Construction form B3
- IP23 Cl. F serv. S1
- IC06 ventilation by means of a 400V Three-phase electric fan, air inlet filter
- 1024 I / G encoder
- Front roller bearing and insulated bearing

**NB: mechanical dimensions and holes different from the current electric motors**

Supply of electrical control panel with the following characteristics:

- Electric panel in sheet metal, dimensions 1200x2000x600 mm
- Ventilation box on the top of the switchboard
- Switch disconnecter with 3x400A fuses
- Protection fuses of the type for electronic equipment
- Voltage presence module
- Internal panel lighting
- Auxiliary voltage transformer complete with electrical protections
- 34Vdc power supply complete with electrical protections
- 280Kw Unidrive M 701 power module with STO inputs (Safety)
- KI Keypad
- EMC filter
- Input inductance
- Output inductance

Supply of one external braking box (to be installed outside the electrical panel)

Supply of electrical cables for installation (measurements provided by you)

- Mt 45 FG7 shielded unipolar 120 mm cable
- Mt 45 FG7 unipolar 120 mm cable
- Mt 30 N07 unipolar 70 mmq GV cable
- Mt 20 shielded encoder cable
- Mt 20 FG7 multipolar 4x2.5 mmq cable
- Mt 20 FG7 multipolar 3x1.5 mmq cable

Provision of a technician to supervise the installation and commissioning at your company in Brazil:

Nr 01 hardware / software technician for 7 days (of which 4 days for electrical assembly and 3 days for commissioning and training of your electrical staff)



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VERIFIED BY DASA

NB For the electrical disassembly and reassembly work to be carried out, 4 electricians and 2 mechanics are required for the first 2 days (obviously before the arrival of our technician all the construction works of the mechanical parts must have been carried out), while for the remaining 2 days it takes 2 electricians

Provision of the following technical documentation:

- Electrical diagram of the panel
- Declaration of conformity of the electrical panel
- Copy of the application software

**Total:** € 44.300,00 + VAT

**Delivery time:** 8-9 weeks from order s.i.

**Offer validity:** 60 days

**Payment:** 40% upon ordering by bank transfer; 40% upon collection of the material from our company by bank transfer; 20% after testing at your company and in any case no later than 60 days after the departure of the material from Italy by bank transfer

**NB:** you are responsible for the collection and transport of materials from our company to Brazil; travel, handling, board and lodging costs for our staff

**NB:** for stays in Brazil not dependent on our company we will apply the following economic rate: € 1,000.00 + VAT per day (all the costs of accommodation and meals provided by your supplier)

## COVID

In relation to the problems with the Covid pandemic present all over the world, I would like to inform you that for contagion problems relating to our staff during the intervention at your company in Brazil, we will apply the following economic rate:

- For each day of fiduciary isolation in Brazil € 800.00 + VAT (all the costs of accommodation and meals provided by your supplier)
- For each day of fiduciary isolation in Italy € 400.00 + VAT

Remaining at your disposal for any further needs and requirements, we take this opportunity to extend best regards

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