Motoinverter NEO-WiFi di **Motive**

NEO-WiFi è concepito come un competitivo e intuitivo sistema integrato chiavi in mano, con ogni parte, motore, inverter e comando progettati per un uso esterno

Motive è stata la prima azienda europea a far certificare il rendimento dei suoi motori trifase all'IMQ, a pubblicare i rapporti di prova di tutti i motori di sua produzione, ed a sviluppare una gamma di motori italiani premium-efficiency. Risparmio energetico e di utilizzo, però, di solito richiedono un investimento iniziale per il cliente. L'inverter elettronico, per esempio. Se lo usi risparmi nel tempo, se non lo usi sarebbe come guidare un'automobile tenendo il pedale dell'acceleratore schiacciato al massimo e regolare la velocità del veicolo agendo sul pedale del freno.
Qual è il maggior investimento iniziale di un inverter? Di solito non è il prodotto in sé, ma sono il materiale supplementare (cavi e armadio, soprattutto), lo studio, l'installazione, il cablaggio, la programmazione ed il collaudo del sistema motore+inverter, nonché i rischi connessi ad eventuali errori. Qui nasce il vantaggio dell'ormai comune motoinverter. Tuttavia, il motoinverter non ha rimpiazzato il tradizionale modulo inverter; i limiti alla sua diffusione rimanevano, prima di NEO-Wifi, il grado di protezione richiesto (un motore può essere installato anche all'aperto, mentre l'inverter no) e la lontananza del motoinverter dalla postazione di chi la deve comandare (immaginate un ventilatore sul tetto, per esempio).
Motive li ha risolti entrambi con un motoinverter (NEO-WiFi) brevettato, di facile uso, water-proof, con comando estraibile e remotabile wireless, alimentato a induzione quando posto nel suo alloggiamento sul motore o a batterie litio ricaricabili, che non richiede installazione. Pur racchiudendo in sé le prestazioni più avanzate degli altri inverter, NEO-WiFi, grazie alle sue innovative soluzioni, è concepito come un competitivo e intuitivo sistema integrato chiavi in mano, con ogni parte, motore, inverter e comando progettate per un uso esterno, e telecomandabile di serie. I costruttori di pompe, ventilatori, e altre macchine possono così offrire un prodotto finito "plug-in", senza più delegare ai loro clienti rischiose e costose operazioni di installazione. I loro clienti non dovranno fare nient'altro che infilare la spina, ovunque esso sia installato, e decidere se vogliono portare con sé il comando.

Motive motor-inverter NEO-WiFi

NEO-WiFi is designed as a competitive and user-friendly turnkey integrated system, with all parts, motor, inverter and control designed for outdoor use

Motive was the first European company to certify the performance of its AC motors by IMQ, to publish all type test reports of its motors , and to develop a range of Italian premium-efficiency motors. Energy saving and use, however, usually require an initial investment for the customer. The electronic inverter, for example: if you do not use it, it would be like driving a car by holding the accelerator pedal to the maximum and adjust the speed of the vehicle by pressing the brake pedal.
What is the greater initial investment of an inverter? Not the inverter itself, but the material and the work around it. The purpose of an integrated motor-inverter is to save time and reduce costs in supplementary material (wires and racks mainly), study, installation, programming and testing of the motor + inverter system, as well as the dangers due to errors associated with these operations. However, before NEO-WiFi, there were factors that limited the availability of motor-inverters: the degree of protection that was needed (motors can be installed out in the open, while inverters could not) and the fact that the motor-inverter, and therefore its keypad, remain removed from whoever is commanding it (imagine, for example, a ventilator that is on a roof). Motive has solved both problems with NEO-WiFi, patented, easy to use, IP65, with removable control panel, remotable wireless, powered by induction when placed in its housing on the motor or by lithium rechargeable batteries. While possessing the most advanced features of the other inverters, NEO-WiFi, thanks to its innovative solutions, is designed as a competitive and user-friendly turnkey integrated system, with all parts, motor, inverter and control designed for outdoor use, and with standard remote control. The manufacturers of pumps, fans, and other machines can thus offer a finished "plug-in" product, without delegating risky and costly installations to their customers. Their customers need only to insert the plug, wherever it is installed, and decide if they want to bring the keypad with them.

Komplexer Antrieb, einfache Installation

Eröffnung, ohne Unterschrift.
Opening, without caption.

Inverter-Motoren finden dank ihrer einfachen Montage immer mehr Marktanwendungen.
Die neueste Variante funktioniert nun mit einer Wireless-Verbindung.

Alberto Pivari

Wie man eine herkömmliche Installation aus Motor, Inverter mit dazugehörigen Filtern und Verbindungskabeln durchführt, ist allgemein bekannt – ebenso, dass bei diesen Anlagen manchmal Schwierigkeiten auftreten: die Kosten der (oft langen) Elektrokabel und -schränke, Auftreten von Störungen, Probleme mit der Erdung. In letzter Zeit werden daher zunehmend Inverter-Motoren bevorzugt, d.h. Kombinationen, bei denen die elektronische Steuerung direkt auf den Motorkörper montiert wird.

Neo-Wifi besteht aus einem in einem dichten Gehäuse untergebrachten Inverter, der direkt auf den Asynchronmotor montiert und durch eine herausnehmbare Fernbedienung gesteuert wird.
Neo-Wifi is composed of an inverter contained in a watertight container which is assembled directly on the body of the controlled asynchronous motor and a small removable control console with remote wireless access.

Die Vorteile von Inverter-Motoren

Der Vorteil von integrierten Inverter-Motoren liegt darin, die Zeiten und Kosten für die Ausarbeitung, Montage, Verkabelung, Programmierung und die Abnahme einer Motor-Inverter-Kombination einzusparen, und zudem die damit verbundenen Risiken einzudämmen. Bevor die Motoren und Getriebe produzierende Firma Motive aus Castenedolo bei Brescia (Italien) jetzt mit Neo-WiFi eine innovative Lösung vorgestellt hat, stießen allerdings auch die Inverter-Motoren auf Grenzen: ein unzureichender Sicherheitsgrad (ein Motor kann auch im Freien installiert werden, während die Inverter normalerweise dafür nicht ausreichend geschützt sind), die Entfernung zwischen dem Inverter-Motor (und damit seiner Tastatur) und der Person, die ihn zu bedienen hat (man denke z.B. an einen Dach-Ventilator). Motive hat beide Nachteile beseitigt und mit dem innovativen Neo-WiFi ein leicht anzuwendendes System mit Schutzart IP65 patentiert.

Inverter-Motoren mit Wireless-Verbindung

Wie der Name schon sagt, funktioniert die neue Inverter-Motor-Lösung von Motive über eine Wireless-Verbindung. Das System besteht aus einem in einem dichten Gehäuse untergebrachten Inverter, der direkt auf den Asynchronmotor montiert und durch eine herausnehmbare Fernbedienung gesteuert wird. So löst Neo-WiFi alle kritischen Aspekte auf einmal: die Steuerelektronik ist komplett geschützt und der Abstand zwischen Bediener und Motor stellt kein Problem mehr dar, da das Kontrolldisplay und die Bedientastatur zusammen in einem ebenfalls versiegelten Behälter untergebracht und wireless mit dem Inverter verbunden sind. Um jegliche Undichtigkeit auszuschließen, wird das Bedienelement nicht mal von außen gespeist, sondern funktioniert mit Lithium-Batterien, deren Aufladung durch Induktion erfolgt wenn es bereits in seiner Hülle auf dem Inverter positioniert ist. Die quadratische Form, Magneten auf der Unterseite der Tastatur sowie das Fehlen von elektrischen Verbindungen ermöglichen ein sicheres Aufladen des Bedienelements jeder Lage. Obwohl Neo-WiFi die Leistungen anderer Inverter übertrifft, stellt er dank seiner innovativen Eigenschaften ein leistungsstarkes, intuitives und gebrauchsfertiges Rundum-System dar. Alle Einzelteile (Motor, Inverter und Bedienung) wurden für innen und außen konzipiert und kommen serienmäßig ohne Kabel aus. So können Hersteller von Pumpen, Ventilatoren und anderen Geräten endlich ein sofort einsatzbereites “Plug-in-Produkt” anbieten, ohne ihren Kunden eine kostenaufwändige und eventuell riskante Montage zuzumuten. Es genügt, das Gerät an jedem beliebigen Ort einfach anzuschließen, und die Tastatur kann mitgenommen werden.

Installation leicht gemacht

Den Neo-WiFi Inverter gibt es in den beiden Versionen 3 und 7,5 kW, die Motoren mit einer Leistung von 0,25 bis 3 kW bzw. von 1,1 bis 7,5 kW steuern können. Da der Neo-WiFi für integrierte Motor-Inverter-Systeme entworfen wurde, sind seine Abmessungen mit den IEC Standardmaßen der Motoren perfekt kompatibel. Dank der Verstellmöglichkeit der Kabeldurchführung zwischen der Unterseite des Inverters und der Oberseite der Motoren-Klemmleiste lässt sich der Neo-WiFi 3 kW zudem mit größer dimensionierten Motoren kombinieren (z.B. Motoren mit sechs oder mehr Polen, die normalerweise größere Abmessungen haben als 2- oder 4-polige Modelle mit der gleichen Leistung). Daher hat Motive schon eine Reihe von mechanischen Adaptern und Dichtungen in den Katalog aufgenommen, die eine perfekte Anpassung und Dichtheit zwischen Neo-WiFi und den Motoren aus eigener Herstellung gewährleisten. Aber Neo-WiFi ist selbstverständlich nicht nur für Motive Motoren, sondern für Asynchronmotoren aller Marken geeignet, vorausgesetzt die Größe ist auf deren Leistung abgestimmt, es ist eine verstärkte Isolierung (bei Motive Motoren serienmäßig) vorhanden und eventuell eine Servolüftung, falls eine gewisse Frequenz unterschritten wird. Ein mögliches Problem könnte die nicht genaue Übereinstimmung zwischen den Abmessungen des Motorklemmkastens und dem Ausgang des Inverters sein. In diesem Fall muss der Kunde für eine geeignete Adapterlösung sorgen.
Auch die abnehmbare Tastatur ist in zwei Varianten erhältlich: Schutzart IP65 potentiometrisch und IP67 ohne Analogsteuerung. Vier Magneten auf der Unterseite erleichtern die Befestigung der Einheit auf einer freien Seite eines Elektroschranks; andernfalls sind zwei Schraubenöffnungen zum Aufhängen vorgesehen.

MECHANICS

Complex drives, simple installations

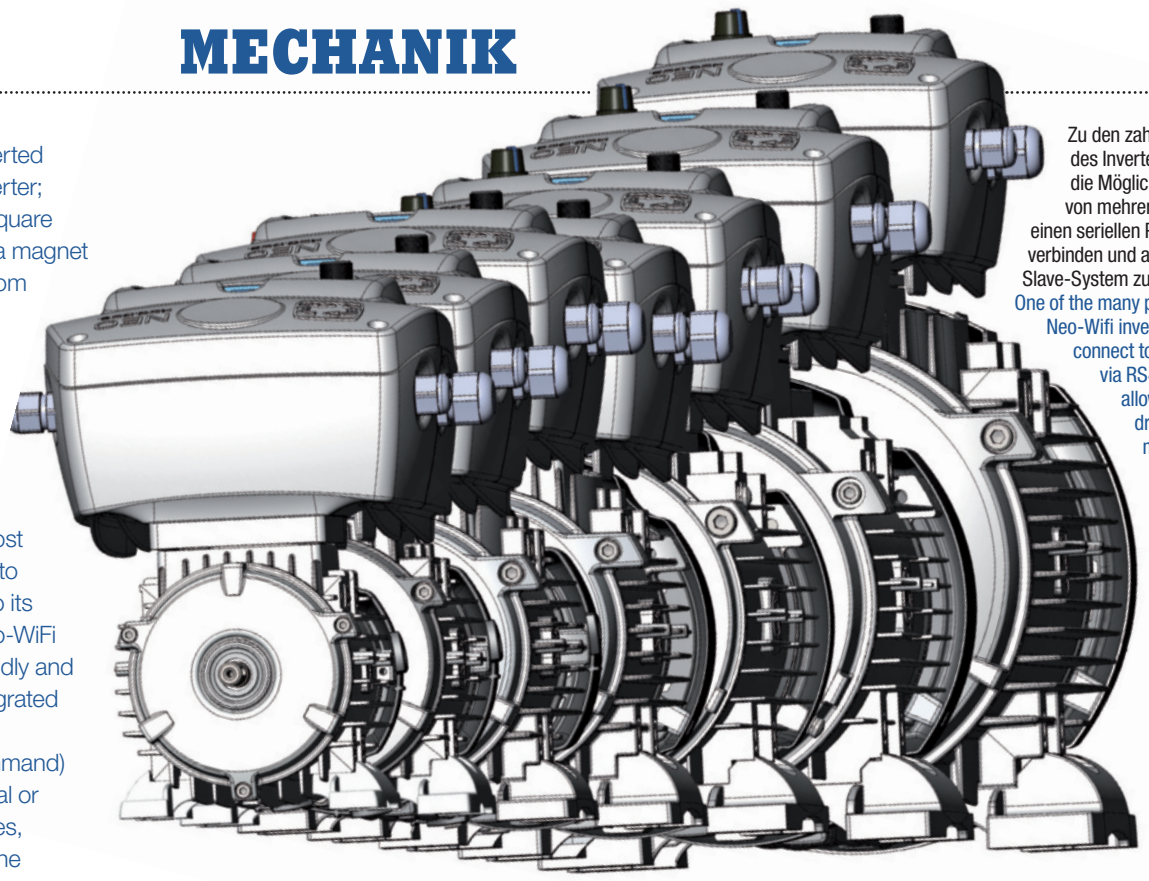
Thanks to their simple installation, moto-inverters are gaining ever larger market segments. Presently there is a new type of moto- inverter, whose operating is based on wireless connection.

Alberto Pivari

We all know the traditional installations which are composed of motor, inverter with relevant filters and cables; we all also know the problems caused at times by these kind of systems: high length of cables (and costs!), cabinets, generation of disorders, problems of grounding.
In more recent times, increasingly great importance has been paid to the system solutions based on integrated moto-inverter groups in which control electronics is mounted directly on the motor body.

Advantages of moto-inverters

The purpose of integrated moto-inverters is to eliminate time and costs for the study, installation, wiring, programming, and testing of the motor+inverter system, as well as the risks due to errors associated with these operations.
However, before Motive’s , company based in Castenedolo (BS, Italy), manufacturer of engines and transmissions, presenting the new Neo-WiFi solution, there were objective limits to the spreading of moto-inverters: required protection degree (one motor can also be installed outdoor, while the



Zu den zahlreichen Besonderheiten des Inverters Neo-Wifi gehört die Möglichkeit, eine Gruppe von mehreren Geräten über einen seriellen Port RS485 zu verbinden und als komplexes Master-Slave-System zu betreiben.
One of the many peculiarities of Neo-Wifi inverter is the ability to connect to a group of Neo-WiFi via RS485 serial port; this allows achieving complex drives operating with master-slave logics.

inverters, in general, do not have the necessary protection degree), the distance of the motor-inverter, and therefore of its keyboard, from the station of who must command it (imagine, for example, a fan on the roof). Motive solved them both, thanks to Neo-WiFi, a patented system which is truly innovative, easy to use and IP65.

Motor-inverters with wireless connection

As the name suggests, the new motor-inverter solution by Motive bases its operation on wireless connection; the system is composed of an inverter enclosed in a sealed container which is mounted directly on the body of the controlled asynchronous motor and a removable small control panel with wireless remote access. Neo-WiFi solves the problems described above: the control electronics is completely protected, and the distance between operator and motor-inverter is not a problem since the control display and keyboard are combined into a single body completely watertight and wireless connected to the inverter. To prevent permeability, the control console has no external power supply; operation is based on internal lithium batteries which are recharged by induction when the console is inserted in its housing on the inverter; moreover, its perfectly square shape, the presence of a magnet on each side of the bottom of the keyboard and the absence of electrical connections allow to store charge in the console with any orientation in a secure manner.
Even if it includes the most advanced performance to other inverters, thanks to its innovative solutions, Neo-WiFi is designed as user-friendly and competitive turnkey integrated system, with all its parts (motor, inverter and command) designed both for internal or external use and, in series, with no need of wires. The manufacturers of pumps, fans, and other machines can offer a finished plug-in product, without delegating risky and expensive installations to their customers. Their clients, regardless of the place of installation, must just plug in and decide whether to bring the keyboard.

Easy installation

The Neo-WiFi inverter is available in two sizes: 3 and 7.5 kW capable of powering engines respectively from 0.25 to 3 kW power and motors from 1.1 to 7.5 kW. Since Neo-WiFi is designed for the production of integrated motor-inverters, its geometrical dimensions are perfectly congruent with IEC dimensional specifications for motors. The configurability of the area for cable passage between the bottom part of the inverter and the top of the motor terminal box also allows to assemble Neo-WiFi 3 kW with engines of larger size (this is the case, for example, of engines with six or more poles that, in general, have larger dimensions than those of the engines of equal power with 2 or 4 poles). For this reason, Motive has included in the catalog an entire range of mechanical adapters and appropriate seals for perfect coupling and perfect tightness between Neo-WLAN and the motors of one's own production. Neo-WLAN can obviously drive Motive motors and, in general, asynchronous motors of any kind as long as they have congruent power with its size and equipped with special requirements such as reinforced insulation (standard on Motive motors) and, if necessary, when slowed down below a certain frequency, power cooling; however, it could cause the problem of imperfect correlation between the size of the motor terminal box and the inverter output window. In this case, it is up to the customer to realize a suitable mechanical adapter. The removable keyboard is available in two types: IP65 with classic potentiometer controls and IP67 without analog controls; the presence of the four rear magnets allows placing the unit on a blank part of an electric cabinet or, alternatively, the two rear slots allow its snap-fit positioning of two dowels.

WORLD PUMPS November 2015

NEO-WiFi: The future

Adjusting the flow/pressure/force of a pump, a hydraulic power unit, an oil-hydraulic actuator, a compressor, an extraction fan, a ventilator, etc is normally done through shutters or valves. If we have a choke device of this kind, it means we have chosen not to use a variable speed drive (inverter).

In this case, the disadvantages are numerous: inability to program ramping up or stopping, nor to synchronise multiple devices; fewer opportunities for interaction with other machines and controls (such as a pressure transducer), less access to controls, more noise, greater peak currents and above all the absence of energy savings.

It is like controlling the speed of a car just by using the brake. An inverter also simplifies the installation because a system with direct or star-delta type starting often involves the use of suitably oversized power contactors to counter the high electric arcing caused by the overcurrent normally associated with these starting systems. In addition, protection systems for the motor via circuit breakers should always be provided. So: shutter/valve + cabinet + knife switch + motor control relay + motor overload protection automatic switch could be saved with a variable speed drive.

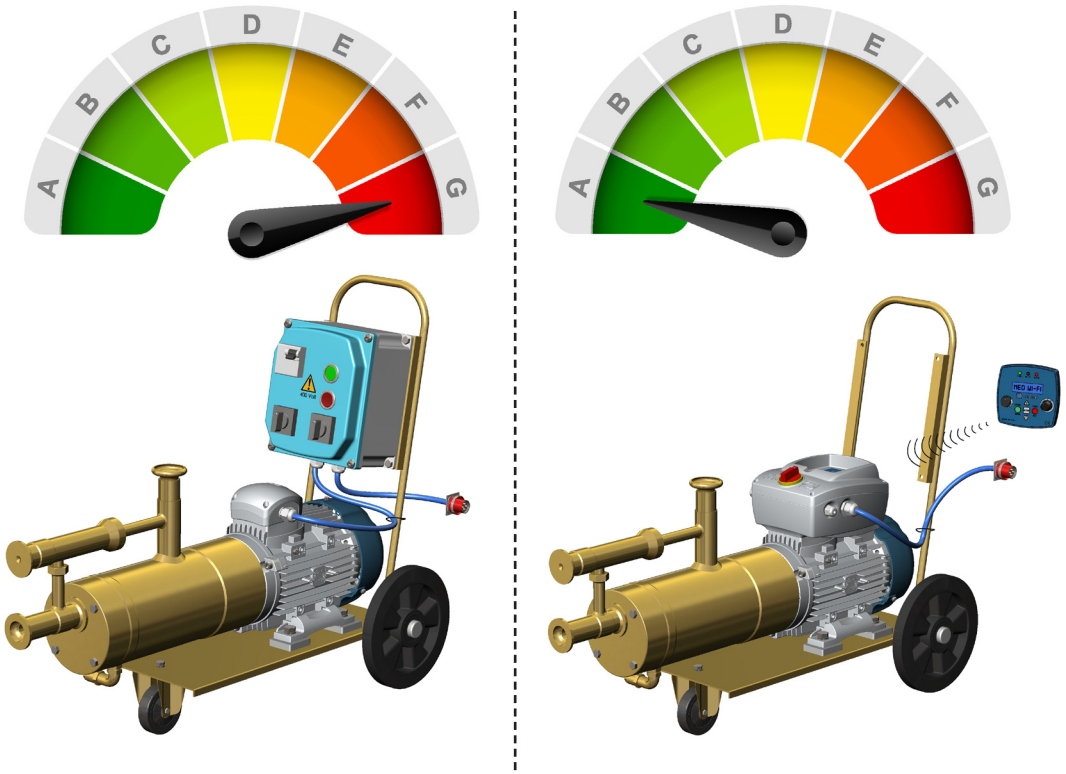
Let's add that in certain applications, just the cost of the choke (think for example of the proportional valve of a hydraulic power unit) exceeds that of an inverter. This without adding the further saving in a cabinet with the knife switch, the motor control relay and the motor overload protection automatic switch.

So why not just use inverters? Essentially for the ease of assembly (assumed) with respect to an electronic device to be wired up and programmed, the reduced size, the degree of protection from dust and liquids and the ease of use. Sometimes also the cost of the inverter can be considerable, especially when it is added to that of a cabinet and cables.

With NEO-WiFi these reasons are no longer valid. There remain only the advantages of the inverter. In fact:

- NEO-WiFi is a motor-inverter and as such cancels the need for cables and cabinets, the study, the installation, the wiring, and the testing of the motor+inverter system, as well as the risks associated with possible errors.
- Not requiring cables and cabinets, and being an integral part of the motor, it does not take up space
- Programming is easier than using the TV remote control
- The keypad of the NEO-WiFi is removable, can operate remotely over wireless and can be placed up to 20 meters away. No wiring, no cables. It does not need wiring because it is supplied by induction when placed in its housing on the motor or in the "BLOCK" device, or fed by rechargeable lithium batteries
- Even a child knows how to use a device with a red button, a green one, a left-zero-right switch and a control knob
- NEO-WiFi is IP65. Its keypad is IP67

Manufacturers of hydraulic machines can now offer a "plug-in" product, equipped with inverter, and no longer delegate to their customers a risky and costly installation. Their customers will not have to do anything but insert the plug wherever the device is installed, and decide if they want to carry the control with them.



Pump without NEO-WiFi > Pump with NEO-WiFi

Follow IEN Europe

New Industrial Products

Motive motor-inverter NEO-WiFi

IP65, with removable keypad, remotable wireless

Motive motor-inverter NEO-WiFi

Posted on January 1, 2013 - (2007 views)
by Louise Seeling

Inquire

Datasheet **PR Release**

Motive Srl

1 **2**

The purpose of an integrated motor-inverter, compared to a traditional inverter, is to save time and reduce costs in supplementary material (wires and racks mainly), study, installation, programming and testing of the whole system, as well as the dangers due to errors associated with these operations. However, before NEO-WiFi, there were factors that limited the availability of motor-inverters: for example the degree of protection that was needed (motors can be installed out in the open, while inverters normally could not) or the fact that the motor-inverter was too far or uncomfortable from whoever had to command it. Motive has solved all problems with NEO-WiFi: full of patents, easy to be understood and used by beginners, IP65, with removable keypad, remotable wireless. The keypad is powered by induction when placed in its housing on the motor or placed on “BLOCK”, the induction power support for table or wall mounting, and, if separate by both, by its own rechargeable batteries which will last for years.

Print **Tell a Colleague**

Read IEN December

Perhaps the most important aspect for machine builders and end users alike today is the Total Cost of Ownership (TCO) of technical equipment. This, on the other hand, is significantly influenced by intelligent ways of Monitoring and Maintenance, an issue we have dedicated a special section to in IEN Europe December. Selecting the right Advanced Lubricant might also have great impact on extending the lifetime of a machine.I the biggest industrial trade show will Hanover, Germany. In our Exclusive read about the main topics, the inter program, as well as the new Partner Furthermore, not only in automation, measurement technology The Future Finally, the IEN Europe team thanks in our publication and wishes you Ha the best for the New Year.

NEO-WiFi Motor-Inverter

Released November 26, 2012

The purpose of an integrated motor-inverter is to save time and reduce costs in supplementary material (wires and racks mainly), study, installation, programming and testing of the motor + inverter system, as well as the dangers due to errors associated with these operations. However, before NEO-WiFi, there were factors that limited the availability of motor-inverters: the degree of protection that was needed (motors can be installed out in the open, while inverters could not) and the fact that the motor-inverter, and therefore its keypad, remain removed from whoever is commanding it (imagine, for example, the position of pumps and ventilators).

Motive has solved both problems with NEO-WiFi, patented, easy to use, IP65, with removable control panel, remotable wireless, powered by induction when placed in its housing on the motor or by rechargeable batteries. While possessing the most advanced features of the other inverters, NEO-WiFi is designed as a competitive and user-friendly turnkey integrated system, with all parts, motor, inverter and control designed for outdoor use, and with standard remote control. The manufacturers of pumps, fans, and other machines can thus offer a finished “plug-in” product, without delegating risky and costly installations to their customers. Their customers need only to insert the plug, wherever it is installed, and

decide if they want to bring the keypad with them.

Motive srl

Via Le Ghiselle, 20

25014 Castenedolo (BS)

Italy

Tel.: +39 030 2677087

Fax: +39 030 2677125

Website: www.motive.it

Category: New Products

Leave a Reply

Name (required)

Email (required; will not be published)

Website

Submit Comment

Archives

- December 2012
- November 2012
- October 2012
- September 2012

Suppliers

Beckhoff Automation

Scientific Automation is the integration of automation software with findings from engineering science which go beyond the limits of conventional control. The Beckhoff PC-based control technology provides the necessary basic foundation with powerful CPUs, fast I/O, the fast EtherCAT bus system and TwinCAT software.

View Product | Contact

Hougen

The Hougen HMD150 Portable Magnetic Drill has height of 198mm (7-13/16"), and weighs 10.3 kg (22.7 lbs). Powerfully drill 25mm (1") thick material. Made in USA. For additional information call +1-810-635-7111. Solving holemaking problems through innovation.

View Product | Contact

motive

Stand **MOTIVE**
Group: RIB

Electronic speed inverter

NEO-Wifi

Motive motor-inverter NEO-WiFi
Design and Anslysis of Cam-and-Follower Systems
The purpose of an integrated motor-inverter is to save time and reduce costs in supplementary material (wires and racks mainly), study, installation, programming and testing of the motor + inverter system, as well as the dangers due to errors associated with these operations. However, before NEO-WiFi, there were factors that limited the availability of motor-inverters: the degree of protection that was needed (motors can be installed out in the open, while inverters could not) and the fact that the motor-inverter, and therefore its keypad, remain removed from whoever is commanding it (imagine, for example, the position of pumps and ventilators). Motive has solved both problems with NEO-WiFi, patented, easy to use, IP65, with removable control panel, remotable wireless, powered by induction when placed in its housing on the motor or by rechargeable batteries. While possessing the most advanced features of the other inverters, NEO-WiFi, thanks to its innovative solutions, is designed as a competitive and user-friendly turnkey integrated system, with all parts, motor, inverter and control designed for outdoor use, and with standard remote control. The manufacturers of pumps, fans, and other machines can thus offer a finished plug-in product, without delegating risky and costly installations to their customers. Their customers need only to insert the plug, wherever it is installed, and decide if they want to bring the keypad with them.
Dynamic-Force Analysis

More specifications

Products by category

AC asynchronous electric motors

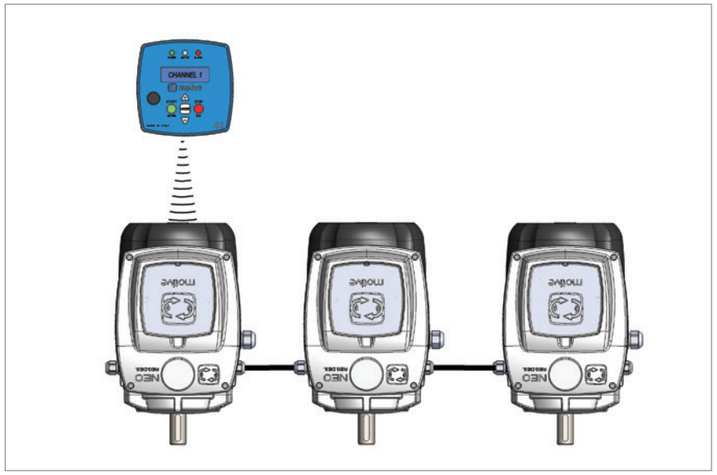
Il moto-inverter **NEO-WiFi** di **Motive** lo rende possibile

Facile e competitivo, accresce le funzioni della tua macchina dove prima non ti era possibile o non ti piaceva o era troppo costoso, e nel frattempo ne aumenta anche il rendimento

Motive è stata la prima azienda europea a far certificare il rendimento dei suoi motori trifase (IMQ), a pubblicare i rapporti di prova di tutti i motori di sua produzione, e a sviluppare una gamma di motori italiani "premium-efficiency". Risparmio energetico e di utilizzo, però, di solito richiedono un investimento iniziale per il cliente. L'inverter elettronico, per esempio. Se lo usi risparmi nel tempo, se non lo usi sarebbe come guidare un'automobile tenendo il pedale dell'acceleratore schiacciato al massimo e regolare la velocità del veicolo agendo sul pedale del freno. Ecco il perché la Direttiva CEE Erp permette la combinazione di motori a rendimento IE2 con inverter quale alternativa ai motori IE3 "Premium efficiency". E qual è il maggior investimento iniziale di un inverter? Di solito non è il prodotto in sé, ma sono il materiale aggiuntivo (cavi e armadi), lo studio, l'installazione, il cablaggio, la programmazione ed il collaudo del sistema motore+inverter, nonché i rischi connessi ad eventuali errori.

Comunque, prima di NEO-WiFi, vi erano fattori che limitavano la diffusione dei moto-inverter: il grado di protezione richiesto (un motore può essere installato anche all'aperto, mentre l'inverter no), la lontananza del motoinverter dalla postazione di chi la deve comandare (immaginate un ventilatore sul tetto, o una pompa, o l'azionamento di un nastro trasportatore, per esempio) e la difficoltà per l'utente di gestire comandi digitali. Motive li ha risolti tutti con un motoinverter (NEO-WiFi) brevettato, di facile uso grazie ai comandi analogici addizionali e al display incorporato water-proof, con comando estraibile e remotabile wireless alimentato a induzione quando posto nel suo alloggiamento sul motore o a batterie litio ricaricabili, pre-montato da Motive o comunque predisposto per essere facilmente montabile su un'ampia gamma di potenze e taglie di motori standardizzati, anche d'altre marche, furbo anche per l'economia permessa dalla sua modularità che non richiede installazione.
Pur racchiudendo in sé le prestazioni più avanzate degli altri inverter, NEO-WiFi, grazie alle sue innovative soluzioni, è concepito come un competitivo e facile sistema chiavi in mano, con ogni parte, motore, inverter e comando progettate per un uso esterno, e telecomandabile di serie. I costruttori di pompe, ventilatori, centraline idrauliche, nastri trasportatori e altre macchine possono ora offrire un prodotto finito con velocità/potenza regolabili "plug-in". I loro clienti non dovranno fare nient'altro che infilare la spina, ovunque esso sia installato, e decidere se vogliono portare con sé la tastiera con display.

Motive motor-inverter **NEO-WiFi** makes it possible:



Easy and competitive, increases the functions of your machine where before you couldn't or you didn't like, while rising the energy efficiency too

Motive was the first European company to certify the efficiency of its AC motors by a recognized certification body (IMQ), to publish all type test reports of its motors , and to develop a range of Italian premium-efficiency motors. Energy saving, however, usually requires an initial investment for the customer. The electronic inverter, for example: if you do not use it, it would be like driving a car by holding the accelerator pedal to the maximum and adjust the speed of the vehicle by pressing the brake pedal. That is why the Erp Directive allows the combination of IE2 motors with inverters as an alternative of IE3 premium efficiency motors. And what is the greater initial investment of an inverter? Not the inverter itself, but the material and the work around it. The purpose of an integrated motor-inverter is to save time and reduce costs in supplementary material (wires and racks mainly), study, installation, programming and testing of the motor + inverter system, as well as the dangers due to errors associated with these operations. However, before NEO-WiFi, there were factors that limited the availability of motor-inverters: the degree of protection that was needed (motors can be installed out in the open, while inverters could not), the fact that the motor-inverter, and therefore its keypad, remains uncomfortably far from whoever needs to command it, and the difficulty for the user to manage digital controls. Motive has solved all these problems with NEO-WiFi, patented, easy to program, easy to use thanks to its additional analogic switch and knob, IP65, with removable keypad, remotable wireless, powered by induction when placed in its housing on the motor or by lithium rechargeable batteries. While possessing the most advanced features of the other inverters, NEO-WiFi, thanks to its innovative solutions, is designed as a competitive and user-friendly turnkey integrated system, with all parts, motor, inverter and control designed for outdoor use, and with standard remote control. The manufacturers of pumps, blowers, fans, hydraulic power units, belt conveyors, and other machines can thus offer a finished "plug-in" product, without delegating risky and costly installations to their customers. Their customers need only to insert the plug, wherever it is installed, and decide if they want to bring the keypad with them.