**MOVITRAC LTP-B frequency inverters launched in SA**

*26 September, 2014: New MOVITRAC LTP-B frequency inverters, designed for use in various non-control cabinet applications, are available in the local market through specialist drive engineering company SEW-EURODRIVE.*

SEW-EURODRIVE electronics manager **Norman Maleka** notes that MOVITRAC LTP-B frequency inverters are optimally matched to meet the requirements of applications outside a control cabinet.

“These frequency inverters have been designed and developed for controlling the speed of a synchronous and synchronous motors without an encoder and are particularly cost effective in conveyor and hoist applications, as well as in fans and pumps,” he explains.

This option is called the Smart Servo LTX package and this type of control is possible due to the incorporated motor control modes such as V/F, VFC and VFC torque. The frequency inverter can handle an overload capacity of up to 175%. In addition, the unit comes with an integrated PID controller

The MOVITRAC LTP-B frequency invertors feature an integrated keypad, which allows for drive operation and setup without the need for additional equipment. Maleka reveals that the keypad offers five functions, namely; start/run, stop/reset, navigation, up and down.

“The start function enables the running of the motor, and reverses the direction of rotation if the bi-directional keypad mode is enabled. The stop function stops the motor, and also allows the user to reset a tripped drive,” Maleka observes.

In addition, the navigate function displays real time information, and stores parameter changes. If the user holds down the button, the device will enter or exit the parameter edit mode.

The up and down functions of the keypad allow for the increase or decrease of speed in real time, as well as for the increase or decrease of parameters in the parameter edit mode.

MOVITRAC LTP-B from SEW-EURODRIVE also features a standard integrated six-digit, seven-segment display which allows for the drive operation to be monitored and the parameters to be set.

There is also a built-in brake chopper circuit, which can be used with an external braking resistor to convert regenerated energy from the motor into thermal energy. This circuit is generally needed for applications with a fast deceleration ramp or a high inertia load.

According Maleka, line chokes reduce harmonic distortion and protect the MOVITRAC LTP-B units from harmful supply disturbances. “In addition, they can also protect the power input circuits of the MOVITRAC LTP-B against voltage spikes which can originate from lightning strikes or other equipment on the same system.”

A flat-pack resistor is also available and can be mounted inside the drive unit without the need for additional space. “The flat-pack resistor is suitable for use with all MOVITRAC LTP-B units with low inertia applications,” Maleka concludes.

The unit is ideally suited to the robust mining environment, and is available in the power range 0.75 to 160kW. The line voltages range from 3 x230, 3x 400 and 3x 575Vac.

MOVITRAC LTP-B will be launched by SEW-EURODRIVE at Electra Mining, which is being hosted at the Nasrec Expo Centre in Johannesburg from 15 to 19 September 2014. SEW-EURODRIVE will be located at Stand J20 in Hall 6. For more information visit [www.electramining.co.za](http://www.electramining.co.za/EN/Content/Pages/Home)

***Ends***

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