

Self-propelled TELEHANDLER

HTN of The Netherlands has designed a complete self-propelled, remote control kit for smaller sized telehandlers, such as the Merlo P26.6 pictured, that allows the unit to not only be remotely operated, but also driven from a boom-mounted platform.

Full EN280 compliance and approval is available for converted machines. The modification is based around an Autec remote control system. The only visible external signs indicating the modification of a unit is an electrical box fitted behind the driver's cab. Larger units can also be modified, but only to a height or radius that allows the unit to comply with EN280 regulations. The unit shown offers a platform height of six metres and has also been equipped with a set of external speakers for the machine's radio, providing on board music while you work.



Gearing up

Italy-based producer Bonfiglioli has launched its new 1,750 to 45,000 Nm range 600 series gearbox line for direct control of drive wheels on vehicles with hydrostatic transmission. The new series comprises two versions. The smaller 'R' version has been designed for applications with small diameter wheels, whereas the larger 'W' version targets plant with greater diameter wheels and, according to Bonfiglioli, is particularly suitable for off-road vehicles. Other main applications include overhead cranes for deck or container handling and aerial work platforms.

Depending on design, the two versions can be used with many wheel-types, e.g. single or twin-type,



while bearings positioned close to the rim-connecting flange prevent the excessive reduction of transport loads. Available for both versions are a wide range of reduction ratios and two brake designs, while there are numerous, ready-to-install facilities for leading makes of hydraulic motors. A mechanical de-clutching device between motor and gearbox is available as an optional item permitting the towing of the vehicle in an emergency.

All-weather hoists

Allied Power Products (APPI) in the US has developed this 181.4 kilogram capacity material handling davit crane equipped with AC electrical wire rope hoists. Developed on request by the US Department of Commerce (DOC) a total 160 units were originally supplied to the National Ocean Atmospheric Administration (NOAA) for material duties and maintenance on the Nexrad weather radar domes operated by the NOAA.

Each davit utilises an APPI brand Columbia hoist with 35 metres of cable on the drum, while the average hoisting speed is 7.62 metres per minute, which according to APPI reduces the time to move materials to the working levels of the radar platforms by a factor of four or more.



Tough control

Control hardware producer, Penny + Giles, has introduced a new addition to its JC6000 robust multi-axis joysticks. The company claims that through the use of non-contact Hall effect technology, the new JC6000, designed for use in harsh operating environments, lasts up to 15 million operations, double the amount of joysticks that use potentiometer technology. The unit has been designed with a 50 percent stronger lever than its JC600 predecessor and meets EMC requirements of up to 100V/m.

The Hall effect technology utilises contactless sensing of the lever movement and dual independent output signals that can be monitored and compared for failure detection in safety critical operations. A combination of Hall sensors with independent contacting track switches on each axis can be selected to provide further operator safety features.



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