

ALTIVAR 31 DRIVES

THE FLEXIBLE DRIVE THAT STRETCHES TO YOUR NEEDS. THE ALTIVAR 31 VARIABLE SPEED DRIVES FOR SINGLE AND 3-PHASE ASYNCHRONOUS MOTORS FROM 0.18 TO 15 KW CAN BE USED FOR A VARIETY OF APPLICATIONS: MATERIALS HANDLING, PUMPS, VENTILATION, SPECIAL MACHINES, TEXTILE MACHINES AND PACKAGING/ PACKING...

FLEXIBLE – EASY TO CUSTOMISE

The Altivar 31 takes into account the characteristics of each machine, the different variants available make this drive extraordinarily flexible. With versions available in an IP55 enclosure, the Altivar 31 remains reliable and accessible in harsh environments.

Customisable

The drive is supplied on its own or in an IP55 enclosure and according to your requirements, you can also integrate the various components that are necessary for your application (switch disconnecter or circuit breaker, switches, pilot lights, potentiometer, etc.).

COMPACT – SPACE SAVING

The Altivar 31 IP20 version saves space in the design and installation of your enclosures as it is exceptionally compact, with integrated EMC level A filters and the possibility of side by side mounting without derating.

SIMPLE – EASY TO PROGRAMME

High performance and functionality are standard with the Altivar 31, yet it still remains simple.

Quick and easy to set-up

- 'Plug and drive', the Altivar 31 takes control of your machine as soon as it is plugged in
- Autotuning; it quickly adapts to the motor and provides dynamic performance in complete safety
- Efficient; it meets the requirements of your applications using a few simple parameters via the built-in display

Extended functions

PowerSuite™ software allows the preparation and saving of configuration files and in connected mode allows configuration, adjustment, control monitoring of the drive or downloading of files.

OPEN – FIELD BUS CONNECTIVITY

Altivar 31 is highly adaptable: it easily integrates into automation systems due to open access. With integrated Modbus and CANopen communication networks available as standard, the Altivar 31 increases your connection possibilities for industrial automation systems. The operation and maintenance of installations is even more efficient since you benefit, in real time, of having precise information regarding your process.

For more information on Altivar 31 drives and climate control request your free CD-ROM from RS.

From machine design through to machine maintenance, the Altivar 31 is the perfect partner for your application.



Do great things



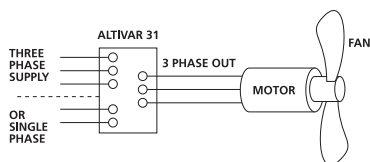
ENERGY & COST SAVINGS FROM ALTIVAR 31 DRIVES

DID YOU REALISE THAT AROUND 60% OF INDUSTRIAL ENERGY IS CONSUMED BY ELECTRIC MOTORS?



Motors are being developed to be more energy efficient; but the additional use of variable speed drive (VSD) technology, allows far larger contributions towards saving energy to be made. The NEW Altivar 31 variable speed drives from Telemecanique deliver a rapid payback not only through electricity bill savings, but also via the Government's "Enhanced Capital Allowance" (ECA) scheme.

SIMPLE CONNECTION



ENERGY SAVING & COST REDUCTION

Fans and pumps are used extensively throughout industry in many different applications and traditionally where variable flow is required, mechanical methods have been used (valves, dampers, venting, by-pass and stop/start cycles); but the motor runs at full speed and power which is very inefficient. Direct on-line starting can also reduce the life of the motor life.

The use of variable speed drive technology gives the added benefit of motor soft starting and stopping.

When an inverter is used to vary the speed of the fan or pump, enormous energy savings are possible, when you consider the power consumed is proportional to the speed cubed. For example, a 20% reduction in speed saves 50% of the power; the mechanical flow controlled system would require near full power!

Virtually every motor application will gain from the use of Altivar 31 when considering the benefits of reduced mechanical wear and tear on the system components.

PAYBACK BENEFITS

It can take as little as 9 months for a variable speed drive from Telemecanique to pay for itself in saved electricity costs, thereafter providing ongoing long term energy saving and cost savings. On top of this energy saving payback, when you purchase any variable speed drive from Telemecanique you will be able to claim capital allowances recoverable under the Government's Enhanced Capital Allowances (ECA) scheme.

To find out more, visit: www.eca.gov.uk/etl

All Telemecanique Altivar variable speed drives are registered on the ECA list.



Telemecanique

NEW



COMPACT IP20 ALTIVAR 31 CHASSIS MOUNT

A highly compact sensorless vector drive with side by side mounting capability up to 50°C ambient with inbuilt class A EMC filter, gives superb functionality including auto-tuning, brake-logic control, multi-assign logic inputs, dynamic braking, catch on the fly, 16 preset speeds, open connectivity to CANopen, Modbus as standard, and Ethernet, Profibus, DeviceNet, through the use of gateways.

RS STOCK NO	POWER	PRICE
THREE PHASE - CHASSIS MOUNT		
477-5073DX	0.37kW	£189.00
477-5089DX	0.55kW	£207.00
477-5095DX	0.75kW	£212.00
477-5102DX	1.1kW	£231.00
477-5118DX	1.5kW	£247.00
477-5124DX	2.2kW	£358.00
477-5130DX	3kW	£418.00
477-5146DX	4kW	£465.00
SINGLE PHASE - CHASSIS MOUNT		
477-4991DX	0.18kW	£102.00
477-5001DX	0.37kW	£112.00
477-5023DX	0.55kW	£128.00
477-5039DX	0.75kW	£139.00
477-5045DX	1.1kW	£158.00
477-5051DX	1.5kW	£175.00
477-5067DX	2.2kW	£212.00



CUSTOMISABLE IP55 ALTIVAR 31 ENCLOSED

A totally enclosed drive protected to IP55 standards with bags of flexibility to customise the unit to suit all your application needs. Knockout covers on the front provide access to fit options such as Vario switches and Harmony pushbuttons and pilot lights from Telemecanique.

RS STOCK NO	POWER	PRICE
SINGLE PHASE - ENCLOSED		
477-5203DX	0.18kW	£190.00
477-5275DX	2.2kW	£312.00
THREE PHASE - ENCLOSED		
477-5281DX	0.37kW	£229.00
477-5354DX	4kW	£474.00



For the full range and further information visit rswww.com/automation or see **Book 1** pages 870-871

Do great things

