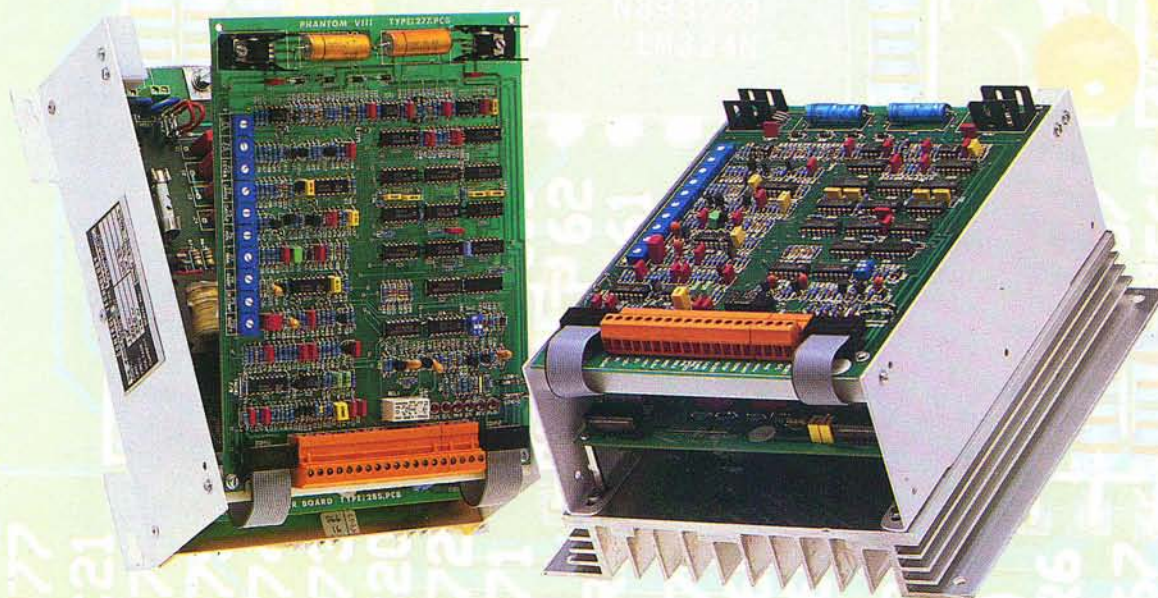


PHANTOM

8



THE PHANTOM RANGE!

A new breed of high tech ultra responsive DC convertors

GENERAL DESCRIPTION

The PHANTOM 8 is a two phase 4 quadrant fully regenerative convertor designed to provide high performance control of DC motors up to 7,5 kW.

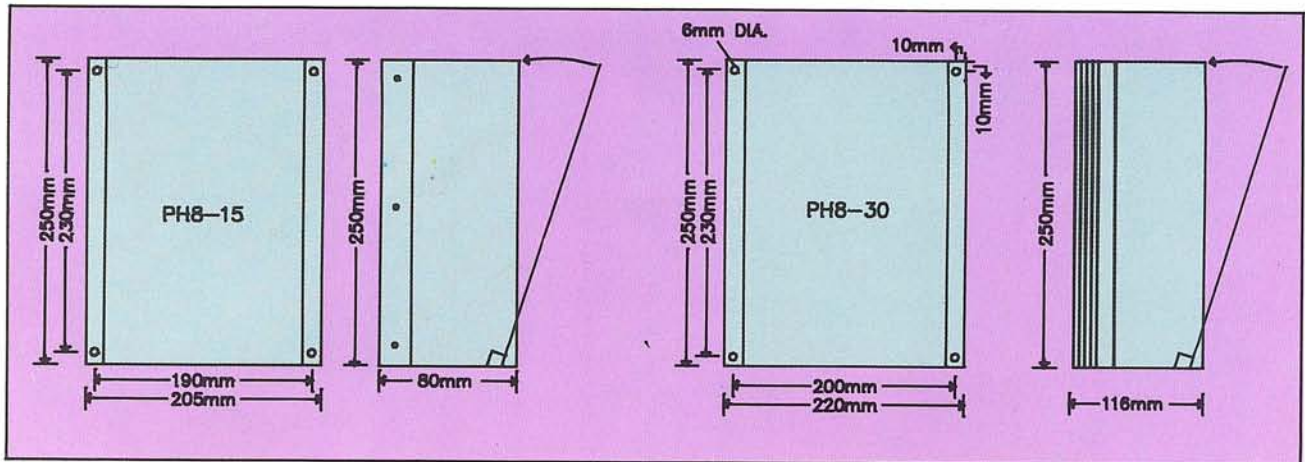
The PHANTOM 8 is characterised by its ultra dynamic speed response, compact size and advanced technology.

MAJOR FEATURES

- ☐ Adaptive current control
- ☐ Phase advance and retard
- ☐ Pulse width modulated current feedback
- ☐ DIP switch programmable stop mode
- ☐ Half cycle loss protection
- ☐ Link selectable overcurrent or stall trip
- ☐ Link selection of armature or tacho feedback
- ☐ Remote signalling of zero speed

CON-TECH

PHYSICAL DIMENSIONS



CONTROL AND DESIGN PHILOSOPHY

- ☐ **Extremely compact size**
- ☐ **Adaptive current control** enhances low speed response
- ☐ **Phase advance and retard** speeds up bridge change over
- ☐ **Short time constant around speed loop** enhances speed response
- ☐ **Ultra tight bridge interlocking** allows faster bridge change over
- ☐ **Pulse width modulated current feedback** faster current response
- ☐ **Plug on user control connections** rapid inter change of control card
- ☐ **Normalised reference and feedback polarity** simplifies multi drive system design
- ☐ **Three summed speed reference inputs** one via acceleration and deceleration ramps
- ☐ **DIP switch programmable stop sequence** free-wheel, ramp-down or regenerate
- ☐ **Link selectable for armature or tach feedback**
- ☐ **Overcurrent or timed stall** link selectable
- ☐ **Fully isolated armature and current feedback**
- ☐ **Buffered output** for acceleration and deceleration ramps
- ☐ **Buffered output** for speed and current indication
- ☐ **LED indication** of 6 drive status and 8 fault conditions
- ☐ **Half cycle loss** shuts down drive.

DRIVE STATUS AND FAULT INDICATION

- ☐ **Drive started**
- ☐ **Drive enabled**
- ☐ **Bridge 1 selected**
- ☐ **Bridge 2 selected**
- ☐ **Drive at zero speed** with open collector output
- ☐ **Drive overcurrent or stall** with open collector output

SELECTION CHART

MODEL NO.	220V SUPPLY		380V SUPPLY	
	kW	CURRENT	kW	CURRENT
PH8-15	2.2	15		
PH8-30			7.5	30

PHANTOM
8

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