

ME1 Frequency Converter

3.2kW - 32kW Single Phase Output

MAGNUS
power



The ME1 converter produces a single factory-set output voltage and frequency. A common application is the conversion of single phase power to a different frequency, with a change of voltage if required.

Units can be built up to 30kW Single phase input & output. Conversion between 50Hz, 60Hz and 400Hz is available throughout the range.

The output is a pure sine wave and is fully protected against overcurrent and other possible fault conditions. The illustration shows a 6.4kW unit, larger models are similar in appearance.

Product Range

kW	3.2	4.8	6.4	8	10	12	16	20	24	32
kg	85	130	220	260	290	330	350	375	375	450
Size	350w 700d 870h		450w 850d 870h		530w 750d 980h		800w 600d 1800h			

Delivered equipment may differ slightly from this description, either as a result of continuous product development, or in the event of any errors not detected when this document was last updated, on 8th February 2005.

Magnus Power
Brunel Road
St Leonards-on-Sea
East Sussex
TN38 9RT

T : 01424 853013
Sales

T : 01424 853464
All Other Departments

F : 01424 852268



web - www.magnuspower.co.uk

e-mail - magnuspower.sales@akersolutions.com

Specification for ME1 Frequency Converter

Input	Single Phase 230V +/- 50/60Hz or (400V 3 Phase 4 wire 50/60Hz +/- 10%) Power factor 0.9 at light loads, improving to near unity at full loads
Output	Single phase, factory-set to any voltage & frequency chosen from 115/230V and 50/60/400Hz Load power factor 0.6 lagging to 0.8 leading other output voltages and frequencies are available to order.
Quality of output	Frequency stability +/- 0.1% Sinusoidal waveform, total harmonic distortion <3% on linear load Voltage regulation +/- 1% for gradual changes of load, over full range of output +/-5% for 100% step change of load, recovering to 1 % within 40mS
Overload capability	120% Continuous 160% for five seconds
Efficiency	>90% (inverter)
Operating Environment	0-40 degrees, <90% (non-condensing), <55dBA at 1m, IP21, 400mm clearance recommended at front & rear.

- Short-term overload capability, to assist with starting difficult loads.
- Input power factor correction is standard on all models.
- No abnormal inrush current is taken from the supply on start-up.
- Advanced design gives high efficiency, even when lightly loaded.
- On-site service by or own engineers tailored to your requirements.

Magnus Power
Brunel Road
St Leonards
East Sussex
TN38 9RT

Telephone 01424 853013 (sales)
01424 853464 (all other departments)
01424 852268
Fax
Web Site www.magnuspower.co.uk
e-mail magnuspower.sales@akersolutions.com

MAGNUS
power

Magnus Power
Brunel Road
St Leonards-on-Sea
East Sussex
TN38 9RT

T : 01424 853013
Sales

T : 01424 853464
All Other Departments

F : 01424 852268

