

# 1 Technical data 230V

<b>Motor output</b>						
Motor rating (kW)	0.37	0.75	1.5	2.2	3	
Continuous rating (A)	2.1	3.5	6.1	8.7	11.7	
Maximum rating (A)	2.5	4.2	8.0	10.5	13.3	
Output voltage wave form	Sinus					
Output frequency	0 – 150 Hz					
Operating mode	4 quadrant (with external brake resistance, as required)					
<b>Inverter input</b>						
Supply voltage	3 x 230V +10% / -15%					
Frequency	50/60 Hz (+/-10%)					
<b>Control inputs</b>						
Setpoints	0-10V, 2-10V, $\pm$ 10V, 0-20mA, 4-20mA, $\pm$ 20mA, potentiometer 10k $\Omega$ , 7 set frequencies selectable from terminal with positive or negative logic					
Actual values	0-10V, 2-10V, $\pm$ 10V					
Local mode	Keyboard: Forward, Reverse, Stop					
Acceleration time	0.2 – 500s					
Retardation time	0.2 – 500s					
<b>Signal outputs</b>						
Voltage (*)	0 – 10V					
Frequency (*)	0 – 32kHz, open collector					
Relay	Fault relay, operating relay, function relay (*)					
<b>Control modes</b>						
Frequency control	0 – 150 Hz					
Speed control	0 – 9000 rpm					
Torque control	1 – 200% of nominal motor torque, depending on inverter capacity					
Process control	PI with feedback, temperature sensor PT1000 for recording temperature at constant pressure control in the ventilation system (*), 24V supply to external sensors (*)					
<b>Motor safety</b>						
Thermistor input	PTC or Klixon					
Power monitor	Switch off if motor is loaded over rated power for a long time					
<b>Ambient conditions</b>						
Ambient temp.	-10 to +40 °C					
Storage temp.	-20 to +60 °C					
Humidity	0 – 90%, non-condensing					
Protection class	IP20					
<b>EMC certification</b>	Approved for medical devices (EN 60601-1-2), residential, commercial and light-industrial environment (EN 61000-6-3) and industrial environment (EN 61000-6-2) without shielded cables or EMC filter etc.					
<b>Dimensions</b>	365 (+47) x 265 x 70		365 (+47) x 265 x 123			
<b>Weight</b>	4.9 kg		6.5 kg			

Functions marked (\*) only available together with I/O card.