EMERSON
Motor Technologies

VARIDYNE® 2
SENSORLESS VECTOR AC DRIVES
Ideal for pumps, conveyors, blowers, fans, mixers and more.

<u>HP</u> – 1/3 to 200
<u>Phase</u> – Single and Three Phase input models
<u>Voltage</u> – 110, 230, 380, 460, 575 and 690 volts
<u>Input Frequency</u> – 50/60 Hz
<u>Enclosure</u> – IP20, NEMA-1®†

FEATURES & BENEFITS

• Easy to set up — all the parameters you need for typical applications are shown on the front facia — it could not be easier

• Easy installation — choose between simple panel mounting and DIN-rail mounting (up to 1.5 kW/2 HP)

• Simple connections — easy access terminals with clear markings

• Simple start up — simple push button set up — no need for complex programming

• Built-in EMC filter

• Display Keypad included as standard

• Software and Documentation CD included as standard

• Communications Port RS485 — Modbus RTU as standard

• Available up to 132 kW/200 HP

APPLICATIONS: For use where precise open-loop speed control is required with a three phase induction motor; Pumps, Blowers, Fans, Conveyors, Material Handling, Hoists, Extruders, Mixers and agitators, etc.

FEATURES:

• Open Loop Vector Control - Speed or Torque

• Switching Frequency range: 3kHz - 18kHz — quiet motor operation

• Easy Setup - all parameters for basic usage on front panel

• Programming of just ten parameters is typically sufficient to setup 80% of applications

• Built-in EMC filter

• Output Frequency : 0-1500 Hz

• RS485, Modbus RTU communications port standard (RJ45 connector)

• 8 Preset Speeds

• Dynamic Braking Transistor as standard

• Fan and Pump optimization with quadratic motor flux V/Hz

ENVIRONMENT:

• IP20

• UL®† Type 1 kit and cover kit options up to Size C

• Ambient temperature -10°C to 40°C

• Electromagnetic Immunity complies with EN61800-3, EN61000-6-1 and EN61000-6-2

• Humidity 95% maximum (non-condensing)

• Electromagnetic Emissions complies with EN61800-3(second environment) as standard.

• Complies with (with optional footprint EMC filter)
   EN61000-6-3 (residential) and
   EN61000-6-4 (industrial) generic

† All non-Emerson Electric Co. marks shown within this document are properties of their other respective owners

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