THREE-PHASE FREQUENCY INVERTERS
VFLC 400V SERIES
Specially designed for ventilation market

The speed control by varying stator frequency and voltage is the best system for the control of induction motors. Its use was prohibitive on the ventilation world for the high cost.

TRONIC has developed a frequency inverter series that allows these features with very competitive prices.

Its competitive advantages, are already known , but we would emphasize the **energy saving**, motor **useful life**, **protection against over voltage**, **over current, short circuit**, etc… and different possibilities of **control** and **adjust**.

Specifications

Input: 400 Vac I 50-60Hz
Output: 0 –V input 0 - 400Hz III (△: 0,1Hz)
Models: 3 Kw (4,5 A), 5Kw (7,5 A), 7Kw (11A) , 10KW (15A)

Control:

- Input ON/OFF
- Input 0-10V (4-20mA)
- Serial port RS-232
- External terminal

Parameters: (*Adjustable and/or fixed defined by customer*)

- Switching frequency 3-16KHz (△:100Hz)
- Switching frequency changed randomly
- V/F: Lineal, quadratic or curve defined by customer
- Maximum output frequency (F max)
- Minimum output frequency (F min)
- Maximum output voltage (V max)
- Minimum output Voltage (V min)
- Frequency of maximum voltage (FV max)
- Frequency of minimum voltage (FV min)
- Freewheel stop or deceleration
- Acceleration time (several steps)
- Deceleration time (several steps)
- DC braking (on request)
- Cancellation of the critical speeds (on request)
- PID control (on request)
- Compensation of Input voltage fluctuation (if possible)

Others:

- Motor over current protection
- Motor short circuit protection
- Over voltage protection
- Mains under voltage protection
- Power circuit over temp protection
- EMC filter included
- Programmable Relay (1AC)
- IP-40 enclosure (with or without box)
- Other options can be requested

Advantages:

- **Voltage/frequency regulation system**
- **Last generation of IGBT Modules**
- **Energetic saving**
- **Motor protection**
- **High quality and low price**
- **Easy installation and use**
- **Robust and adaptable**

External control 0-10V

Programming consola