

HVW701

The WEG HVAC Drive

Features

- Dual DC link Reactor
- RFI filter built-in for all frame sizes (C3 category)
- Bacnet, MetaSys and Modbus-RTU embedded through RS-485 port
- 8 Digital Inputs / 5 Digital Outputs
- Thermal Management for drive fan control
- Soft PLC Function (ladder logic can be implemented)
- Free of charge WEG Software is used for Soft PLC programming
- **Power Saving Function (Energy Saving)**
 - It operates on the output voltage supplied to the motor.
 - By using a special algorithm noise and motor losses are reduced increasing motor efficiency thus energy savings is achieved.
- **Fire Mode**
 - This function prevents the motor from being stopped when critical operating conditions are detected by the drive, e.g. high internal temperature. Most of the drive failures are inhibited in order to keep motor up and running no matter what the conditions are.
- **Bypass function**
 - Allows the motor to be by-passed and run across the line rather than just the VFD.
- **Protection against short cycles**
 - Prevents the compressor / motor from being restarted after a short period of time.
- **Dry Pump**
 - Prevents the pump from running on empty (with no liquid being pumped up).
- **Broken belt**
 - Monitors motor torque preventing it from running with no load in case of broken belt.
- **Filter Maintenance Alarm**
 - A warning is issued through the keypad when it is time for filter maintenance (time can be programmed in the drive).
- **Sleep mode**
 - When enabled, this function stops the motor when running at very low speeds for certain period of time.
 - When low speed is detected and time is elapsed the drive goes to stand-by mode.
- **PTC function**
 - Using drive I/Os, PTC thermal sensors can be monitored.
- **Main PID Controller**
 - Internal PID loops used for drive control.
- **2 x PID controllers**
 - Internal PID loops used for controlling plant process. Drive Analog output is used for that purpose.

