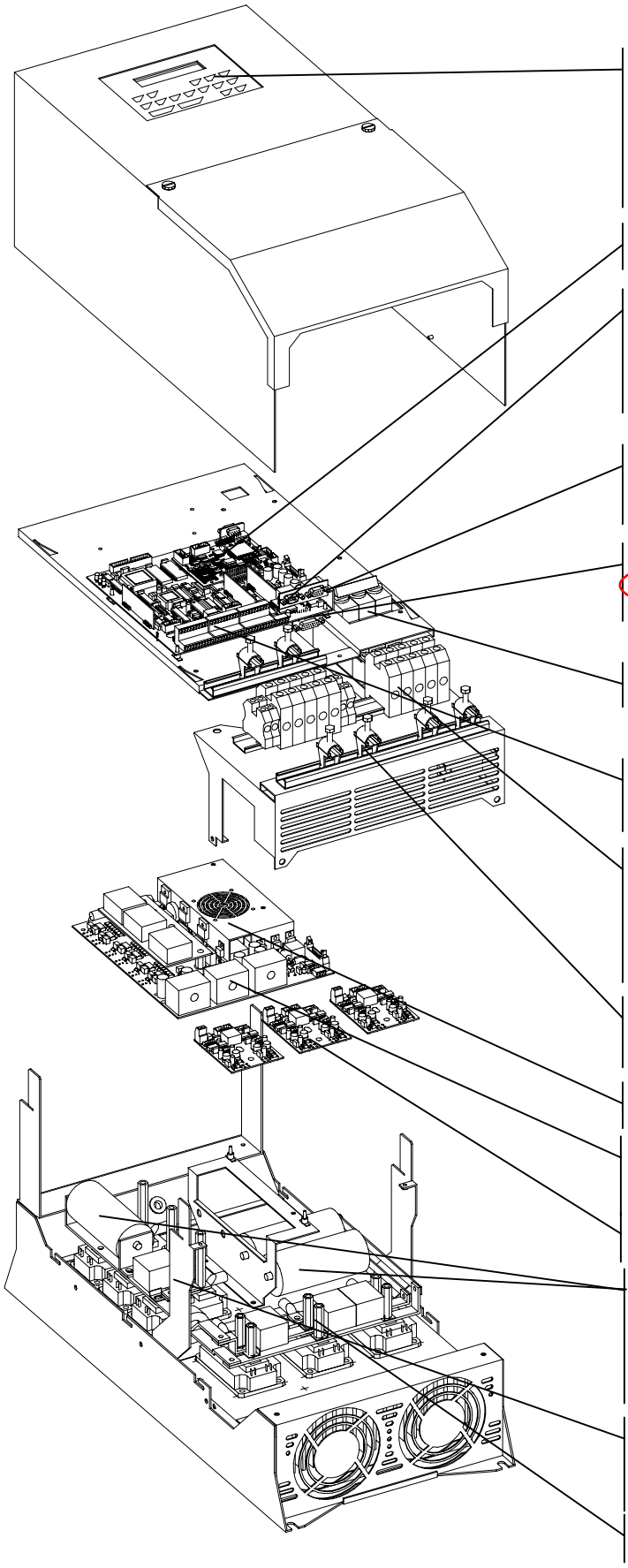
VHF1440A to VHF1490A Drive overview



The KEYPAD PC580
Display with 2 lines of 20 characters
Serial link RS422 / 485 to control board
The keypad is **mandatory** to operate the drive

The control board

CN3 D-Sub 9 poles connector (left)
Parallel output of the sin/cos sine waves of the speed sensor.
Only active if sin/cos sine waves on CN2

CN1 D-Sub 9 poles connector (right)
RS422 / 485 serial link for Keypad

CN2 D-Sub 15 poles for sin/cos sine waves 1 V peak or encoder TTL input

The input circuit breaker

The control signal TERMINAL BLOCK **X2**

Power terminal block **X1**
3 phases line input
3 phases motor output
and ground terminals

Connecting cables strength relief and shielding grounding clamps

The switching power supply

The 3 current sensing modules (shape are different on VHF1490A)

The IGBT's drivers

The paper capacitors of the intermediate DC bus
VHF1440A, 1455A : 3 ea
VHF1472A, 1490A : 5 ea

The 3 phases input rectifier with inverter function for the line regeneration

The 3 phases output inverter