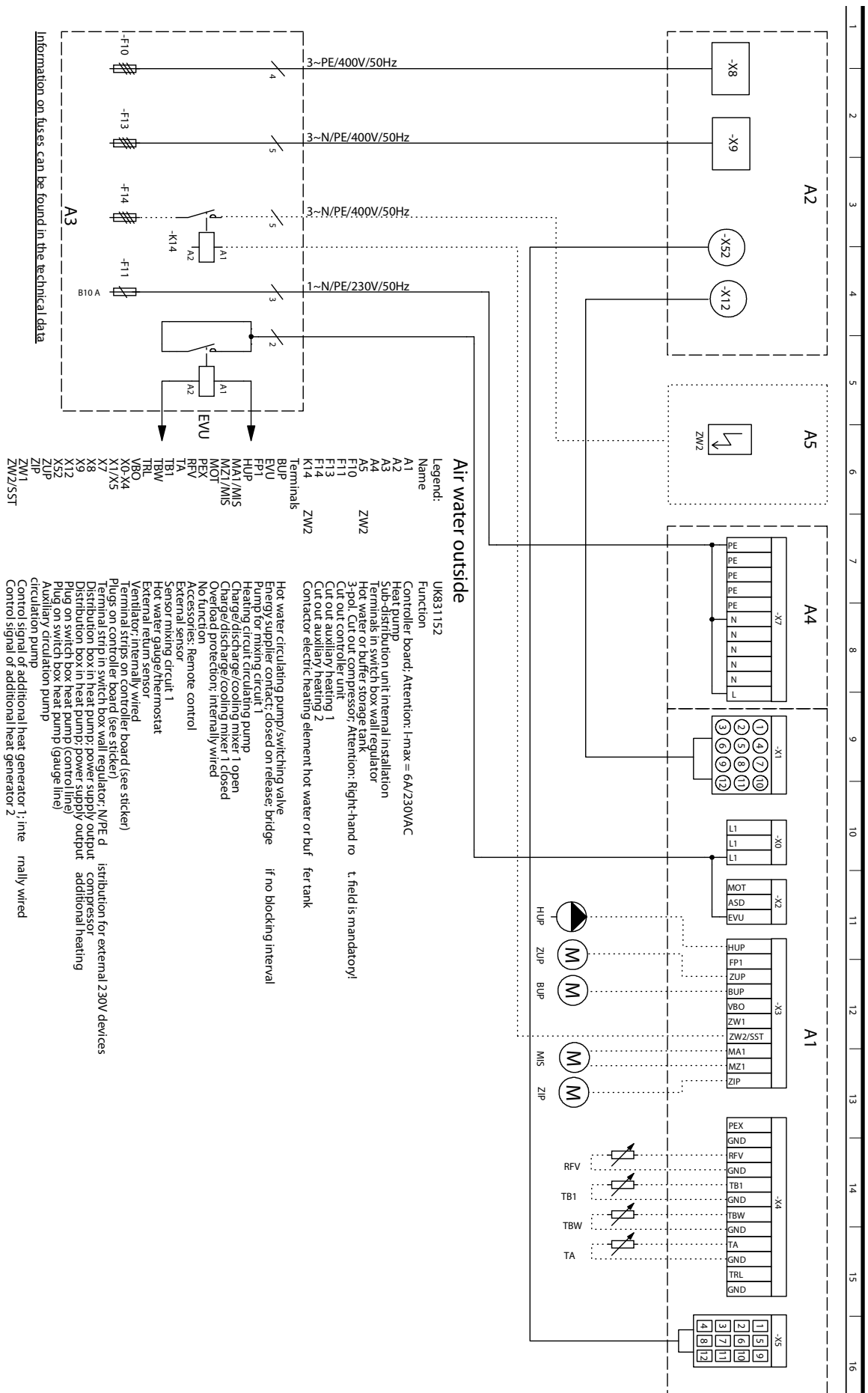




LW 71A – LW 81A

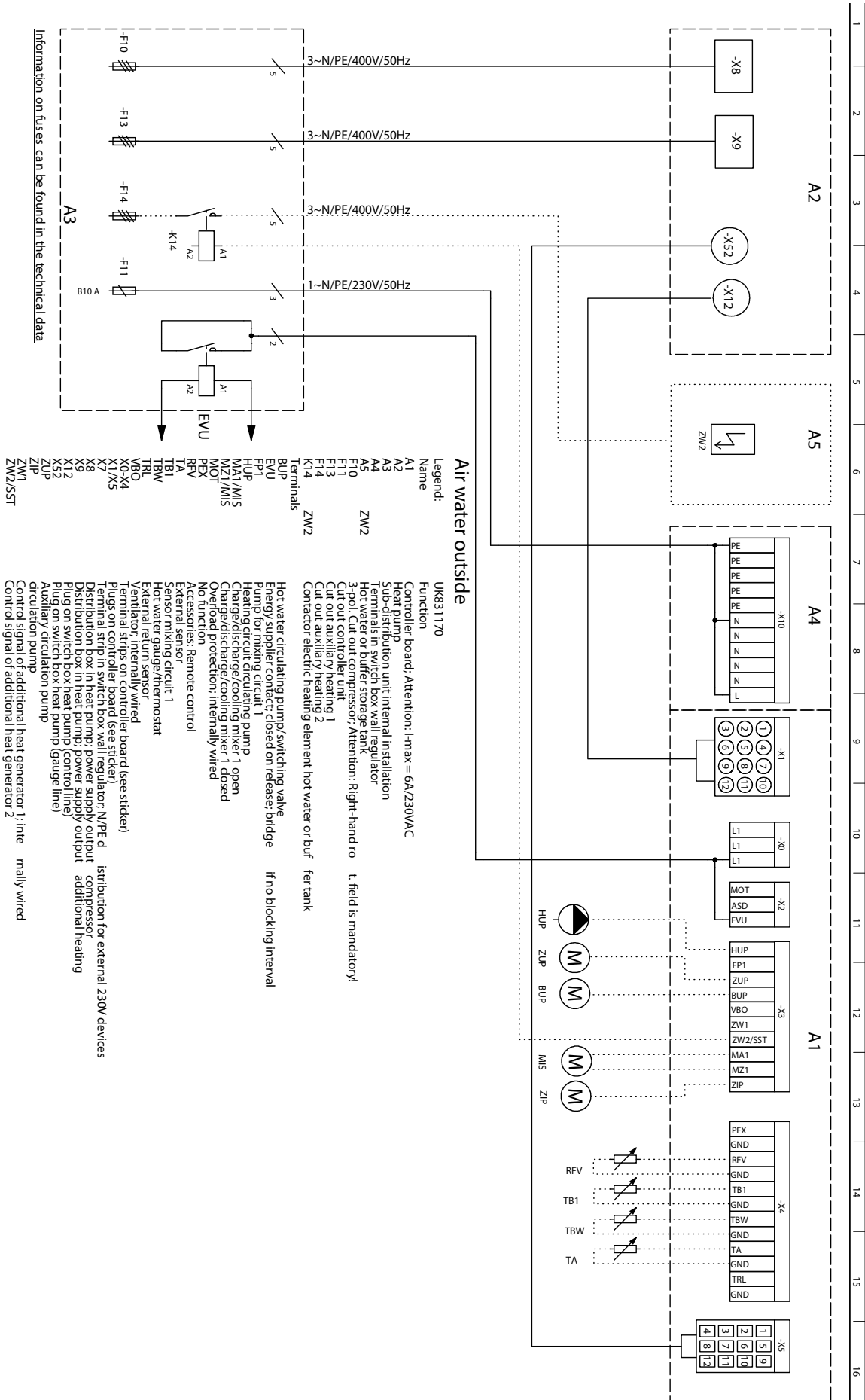
Terminal diagram





LW 101A – LW 251A

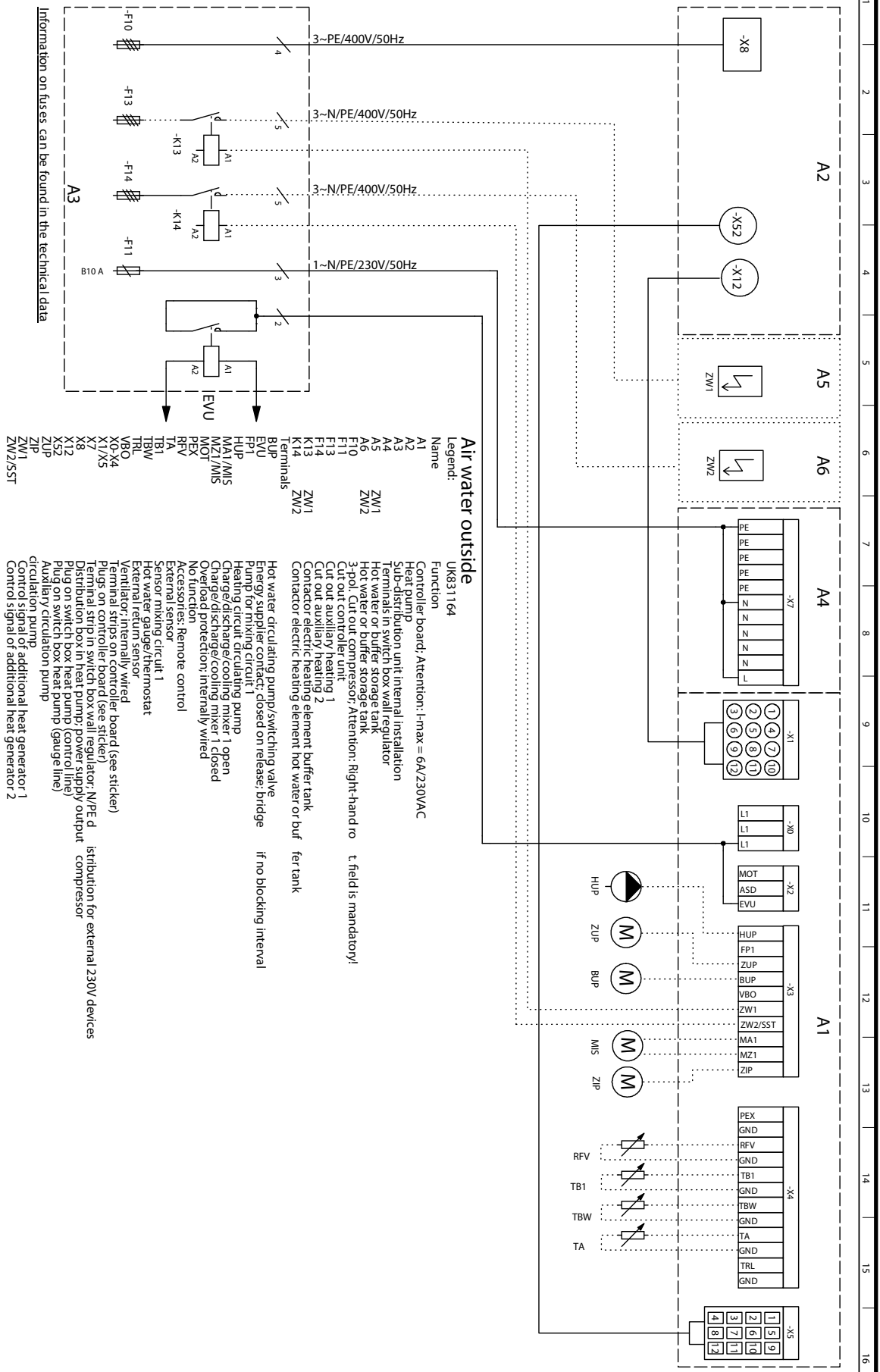
Terminal diagram





Terminal diagram

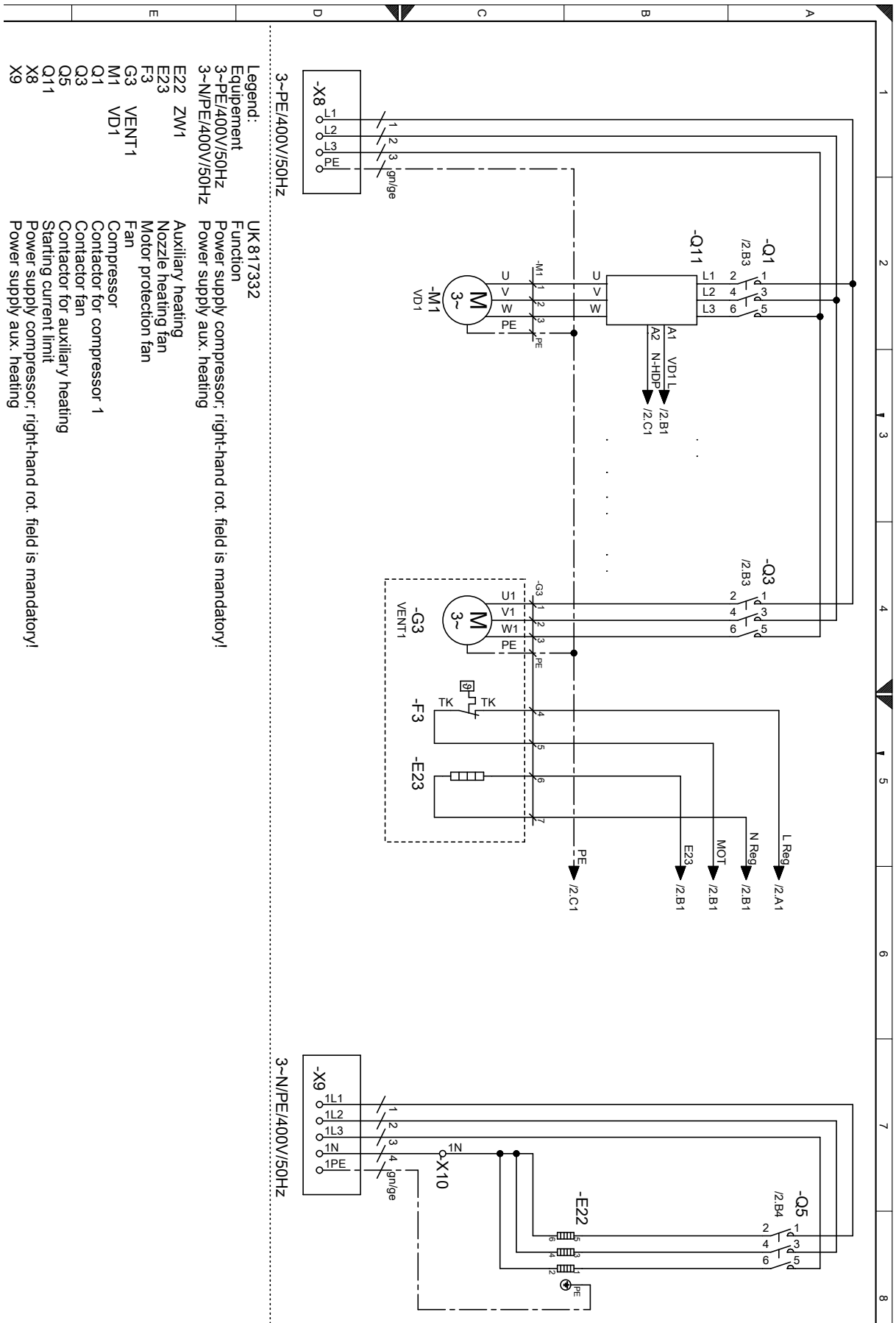
LW 310A





LW 71A – LW 81A

Circuit diagram 1/2

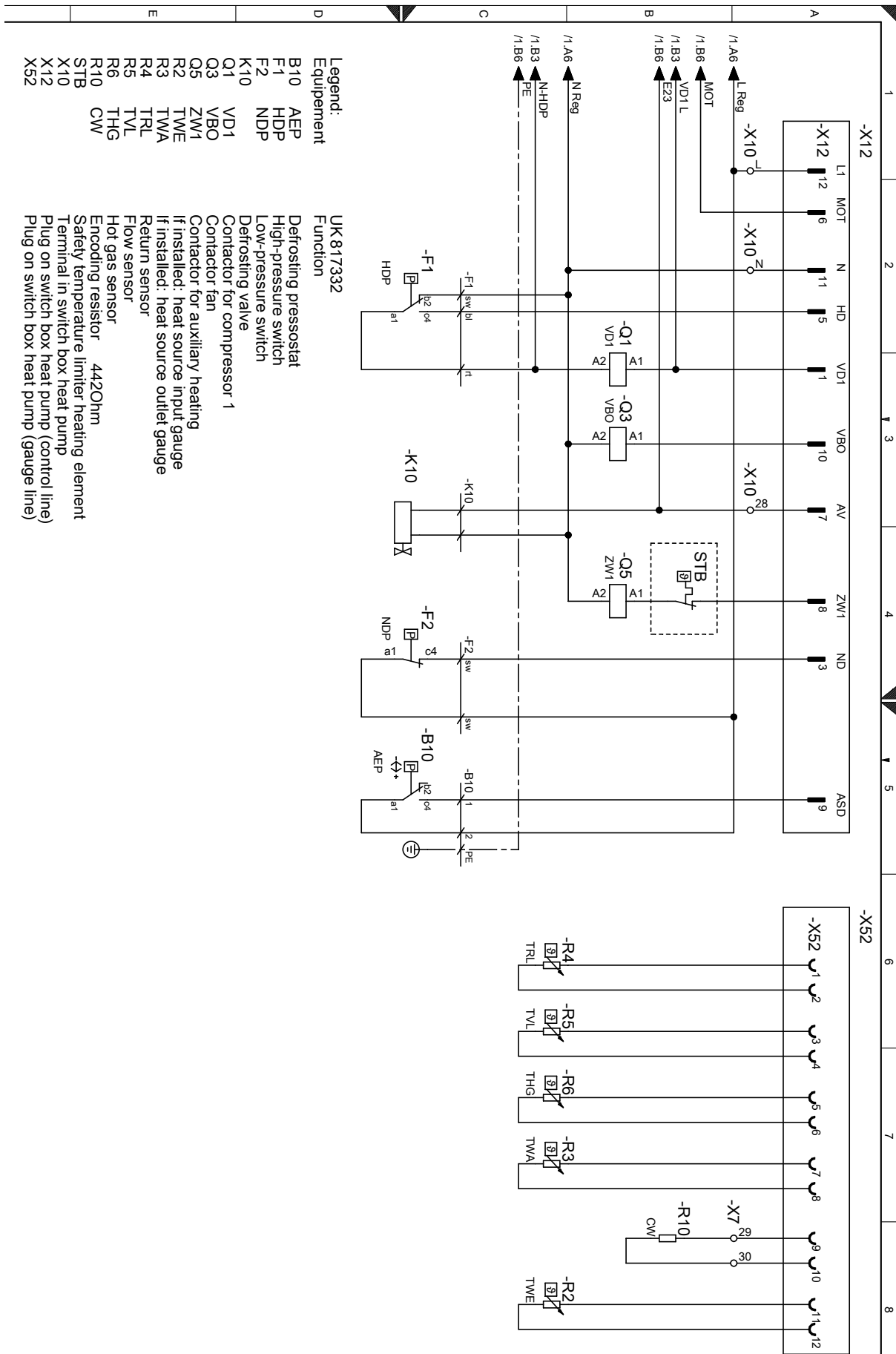


- Legend:**
- UK 817332
 - Function
 - Equipment
 - 3-PE/400V/50Hz
 - 3-N/PE/400V/50Hz
 - E22 ZW1
 - E23
 - F3
 - G3
 - M1
 - Q1
 - Q3
 - Q5
 - Q11
 - X8
 - X9
- UK 817332**
- Function
 - Power supply compressor: right-hand rot. field is mandatory!
 - Power supply aux. heating
 - Auxiliary heating
 - Nozzle heating fan
 - Motor protection fan
 - Fan
 - Compressor
 - Contactor for compressor 1
 - Contactor fan
 - Contactor for auxiliary heating
 - Starting current limit
 - Power supply compressor: right-hand rot. field is mandatory!
 - Power supply aux. heating



LW 71A – LW 81A

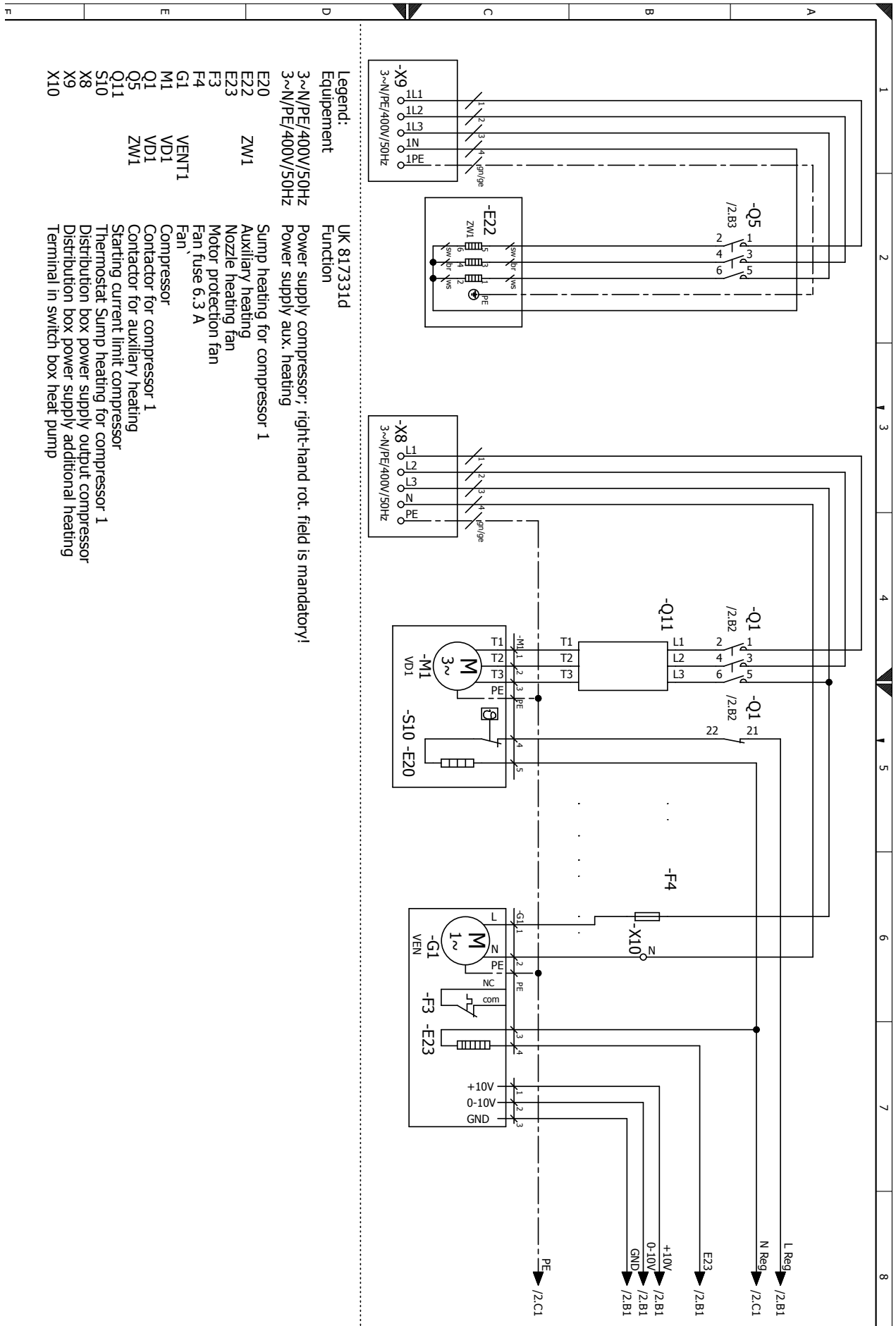
Circuit diagram 2/2





LW 101A – LW 121A

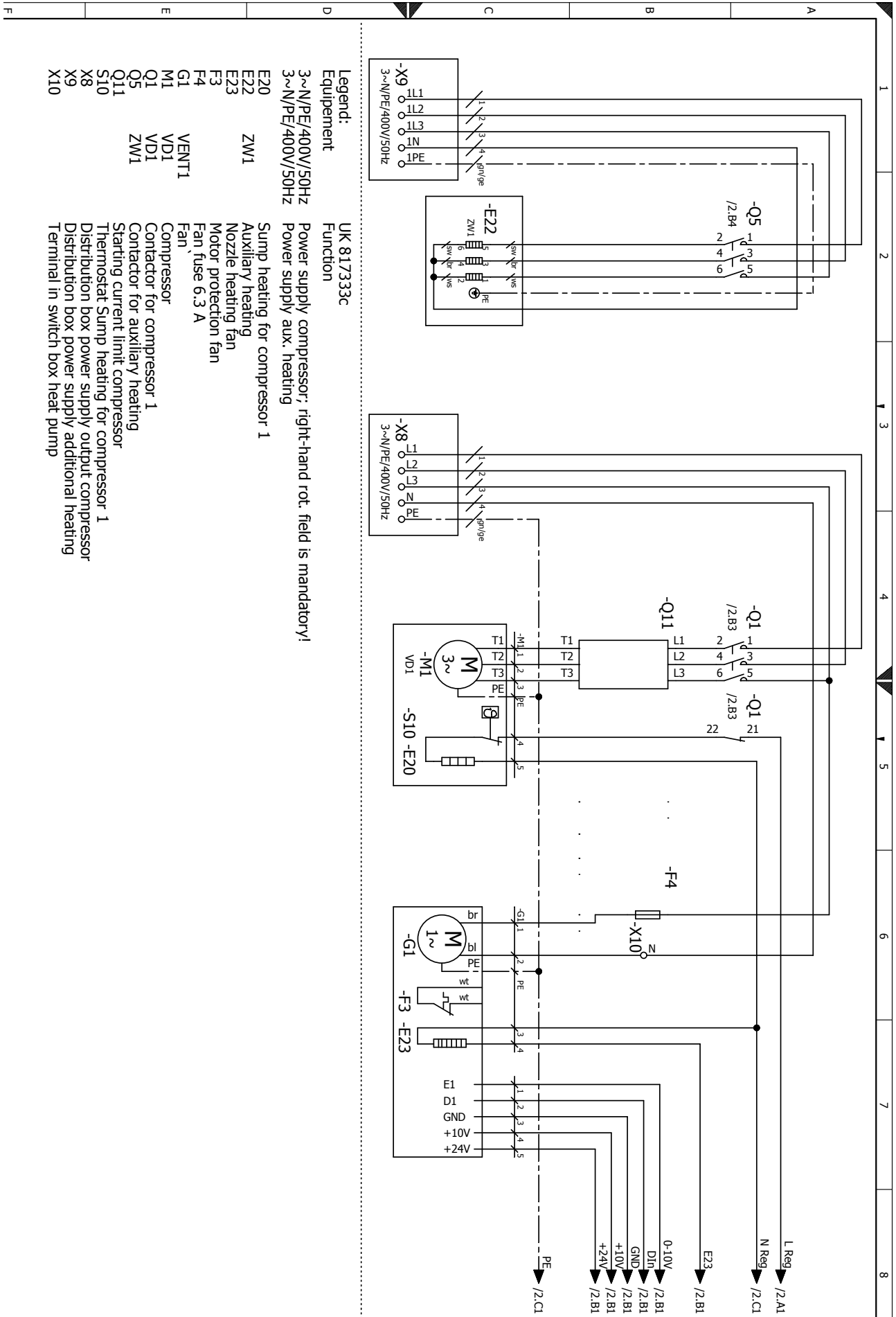
Circuit diagram 1/2





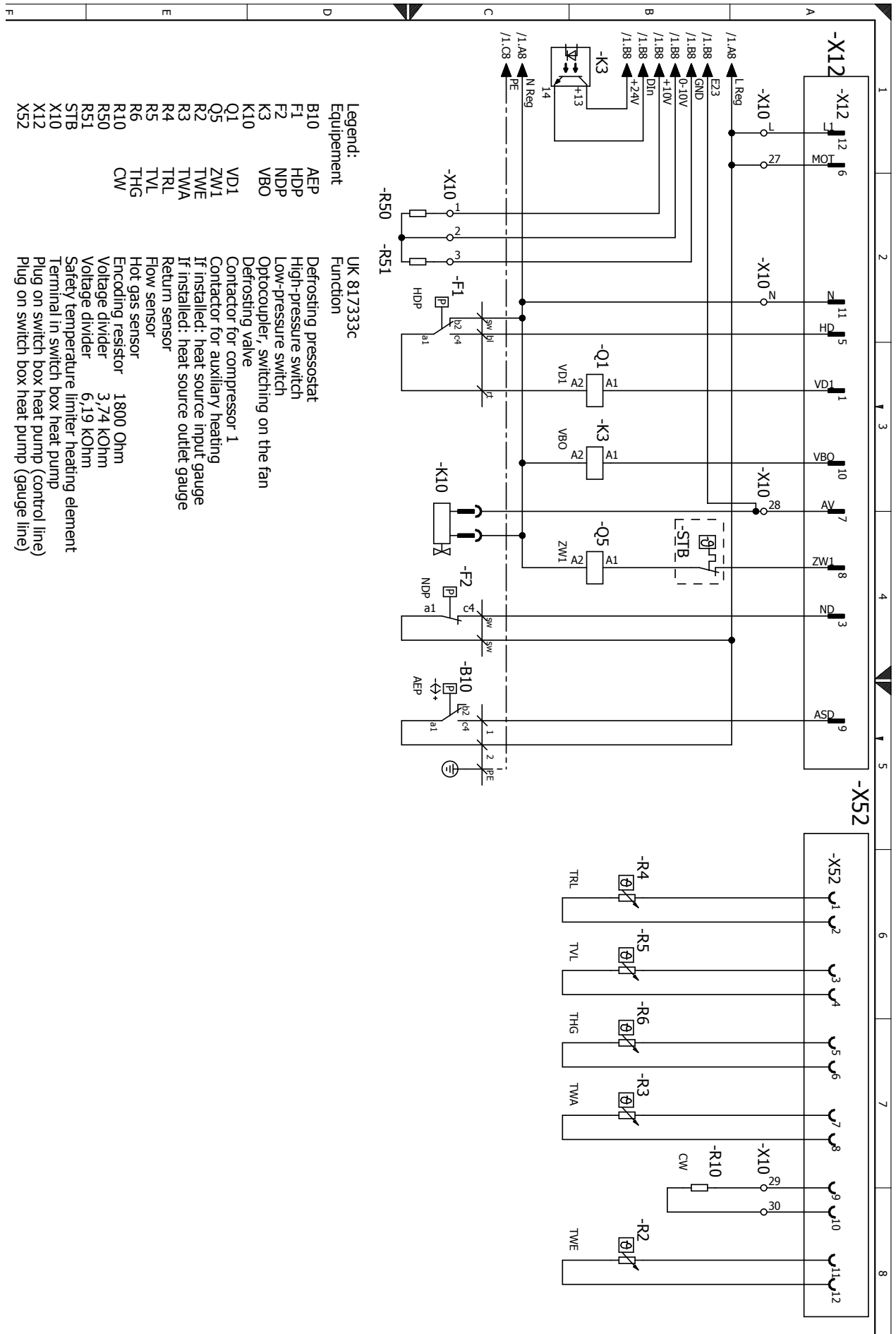
LW 140A

Circuit diagram 1/2





Circuit diagram 2/2

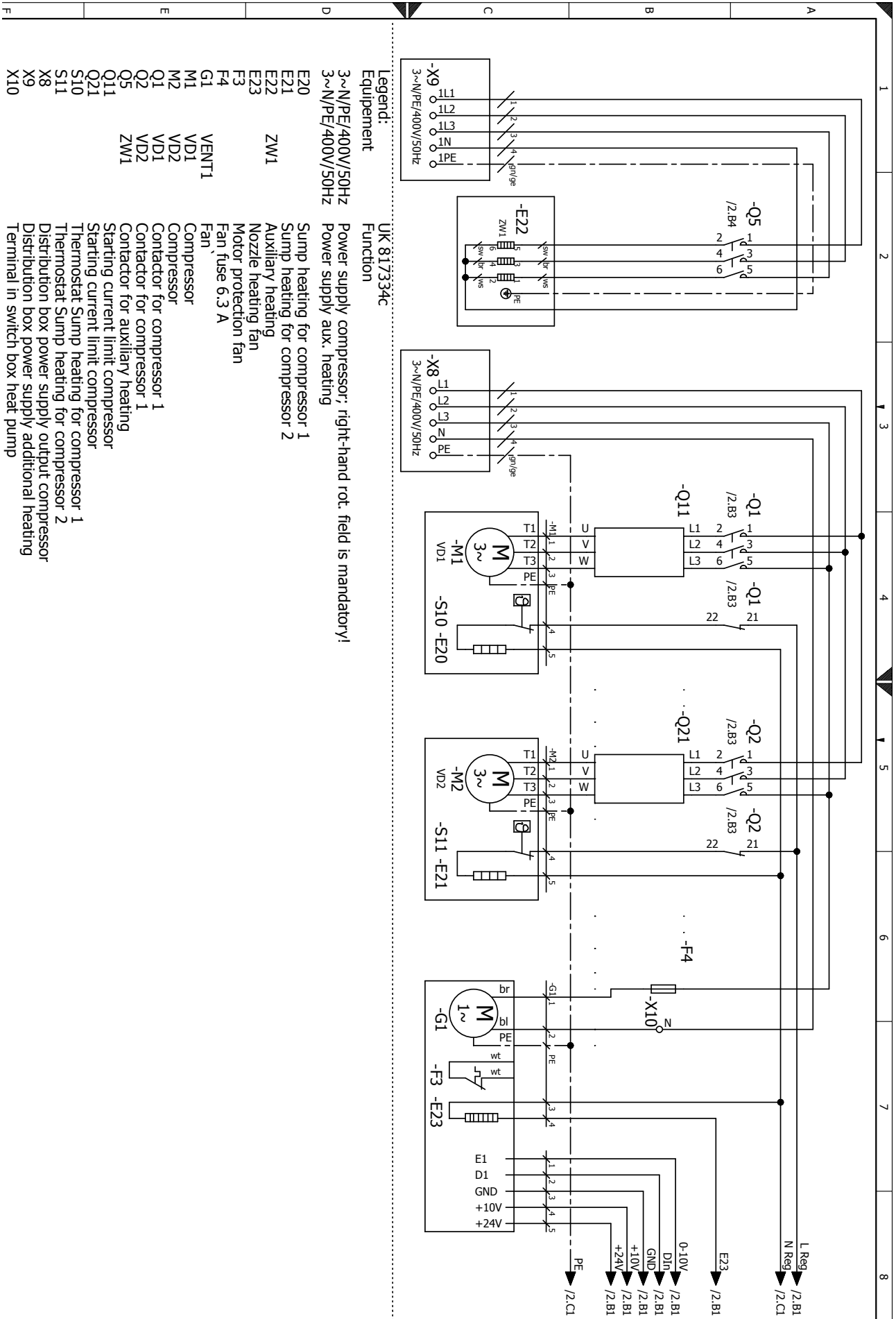


- Legend:**
- | | | |
|------------------|-------------------|---|
| Equipment | UK 817333C | Function |
| B10 | AEP | Defrosting pressostat |
| F1 | HDP | High-pressure switch |
| F2 | NDP | Low-pressure switch |
| K3 | VBO | Optocoupler, switching on the fan |
| K10 | | Defrosting valve |
| Q1 | VD1 | Contactor for compressor 1 |
| Q5 | ZW1 | Contactor for auxiliary heating |
| R2 | TWE | If installed: heat source input gauge |
| R3 | TWA | If installed: heat source outlet gauge |
| R4 | TRL | Return sensor |
| R5 | TVL | Flow sensor |
| R6 | THG | Hot gas sensor |
| R10 | | Encoding resistor 1800 Ohm |
| R50 | | Voltage divider 3,74 KOhm |
| R51 | | Voltage divider 6,19 KOhm |
| STB | | Safety temperature limiter heating element |
| X10 | | Terminal in switch box heat pump (control line) |
| X12 | | Plug on switch box heat pump (gauge line) |
| X52 | | |



LW 180A

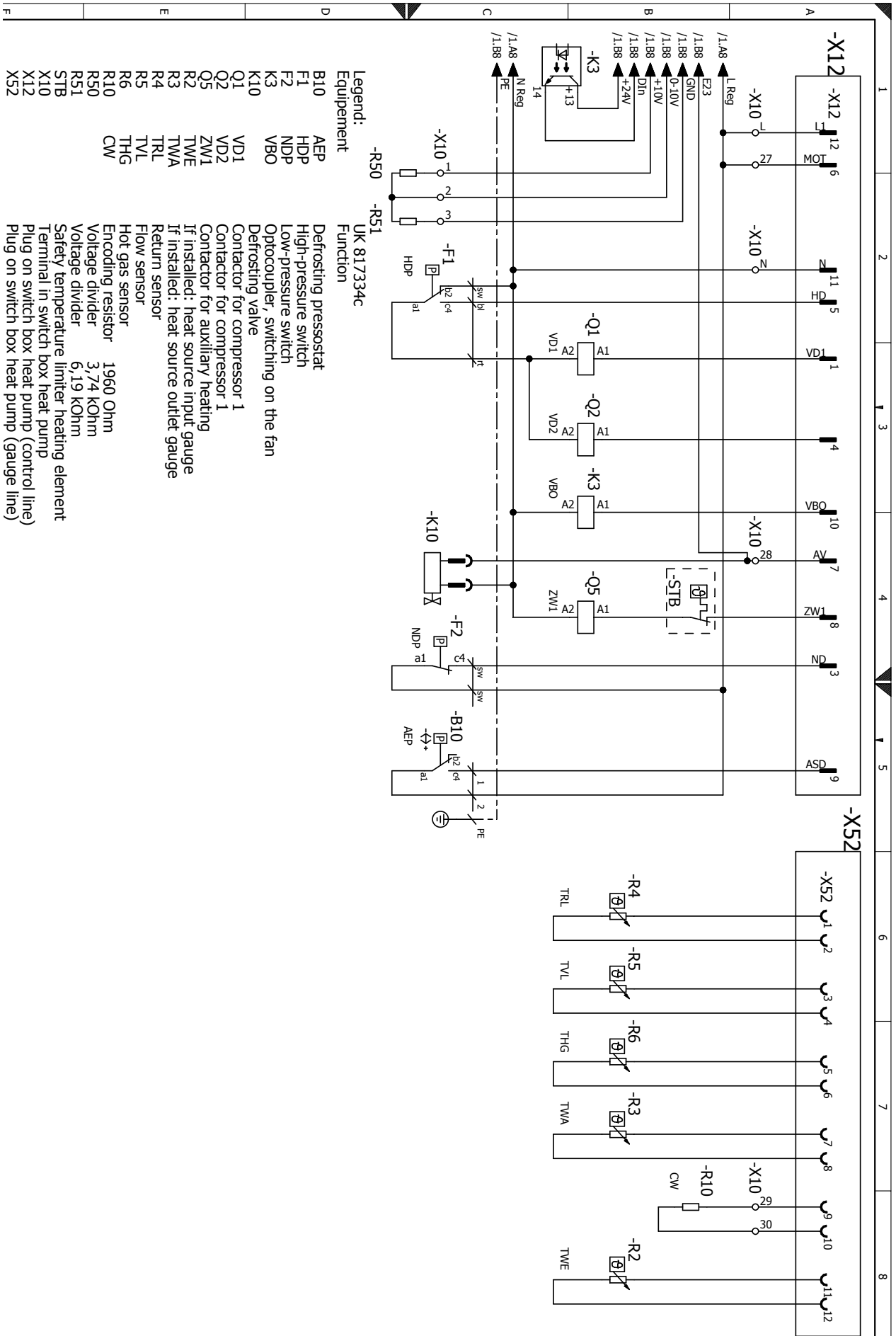
Circuit diagram 1/2





LW 180A

Circuit diagram 2/2

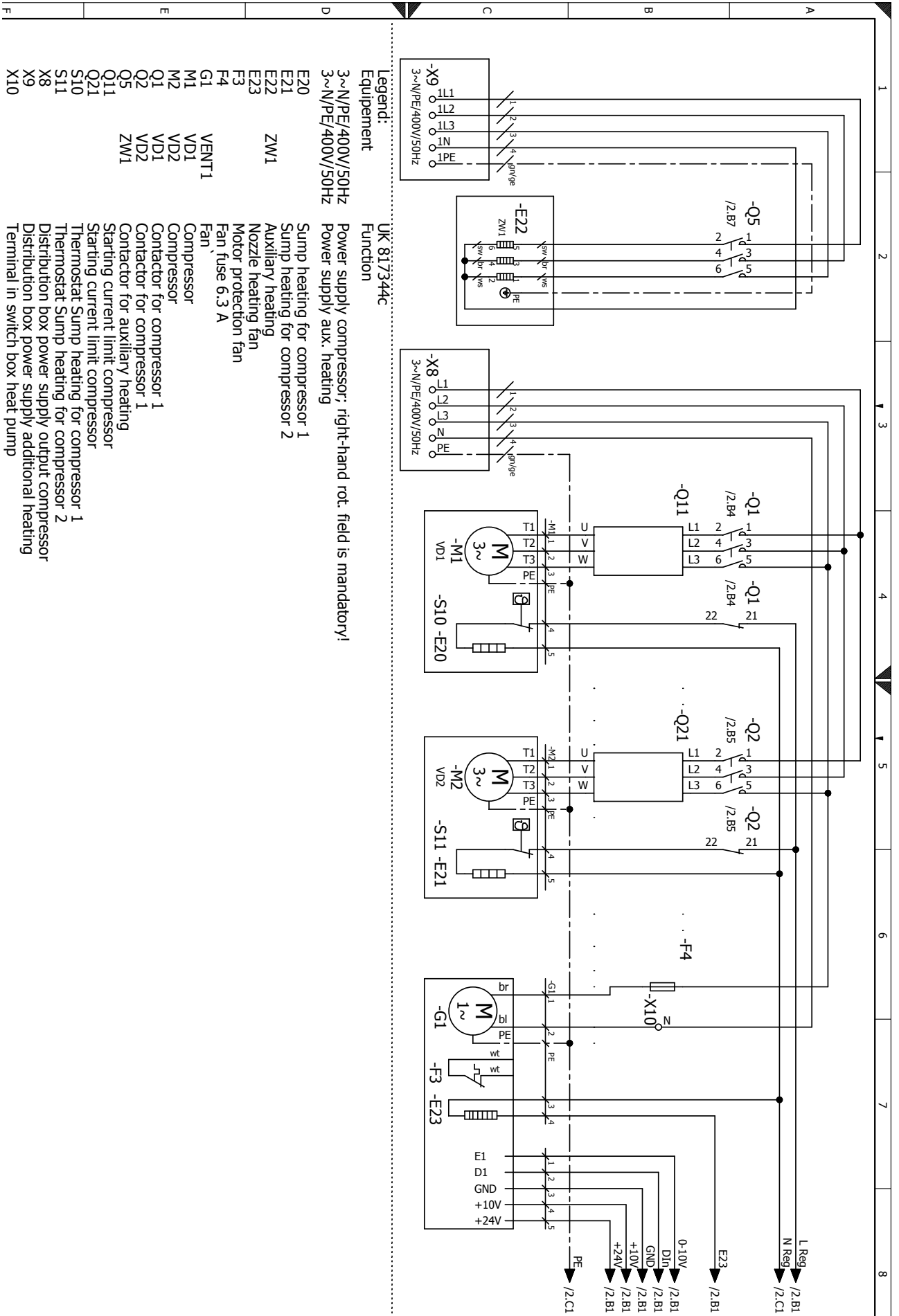


- Legend:**
- | | |
|------------------|---|
| Equipment | Function |
| B10 | Defrosting pressostat |
| F1 | High-pressure switch |
| F2 | Low-pressure switch |
| K3 | Optocoupler, switching on the fan |
| K10 | Defrosting valve |
| Q1 | Contactor for compressor 1 |
| Q2 | Contactor for compressor 1 |
| Q5 | Contactor for auxiliary heating |
| R2 | If installed: heat source input gauge |
| R3 | If installed: heat source outlet gauge |
| R4 | Return sensor |
| R5 | Flow sensor |
| R6 | Hot gas sensor |
| R10 | Encoding resistor |
| R50 | Voltage divider |
| R51 | Voltage divider |
| STB | Safety temperature limiter heating element |
| X10 | Terminal in switch box heat pump |
| X12 | Plug on switch box heat pump (control line) |
| X52 | Plug on switch box heat pump (gauge line) |



LW 251A

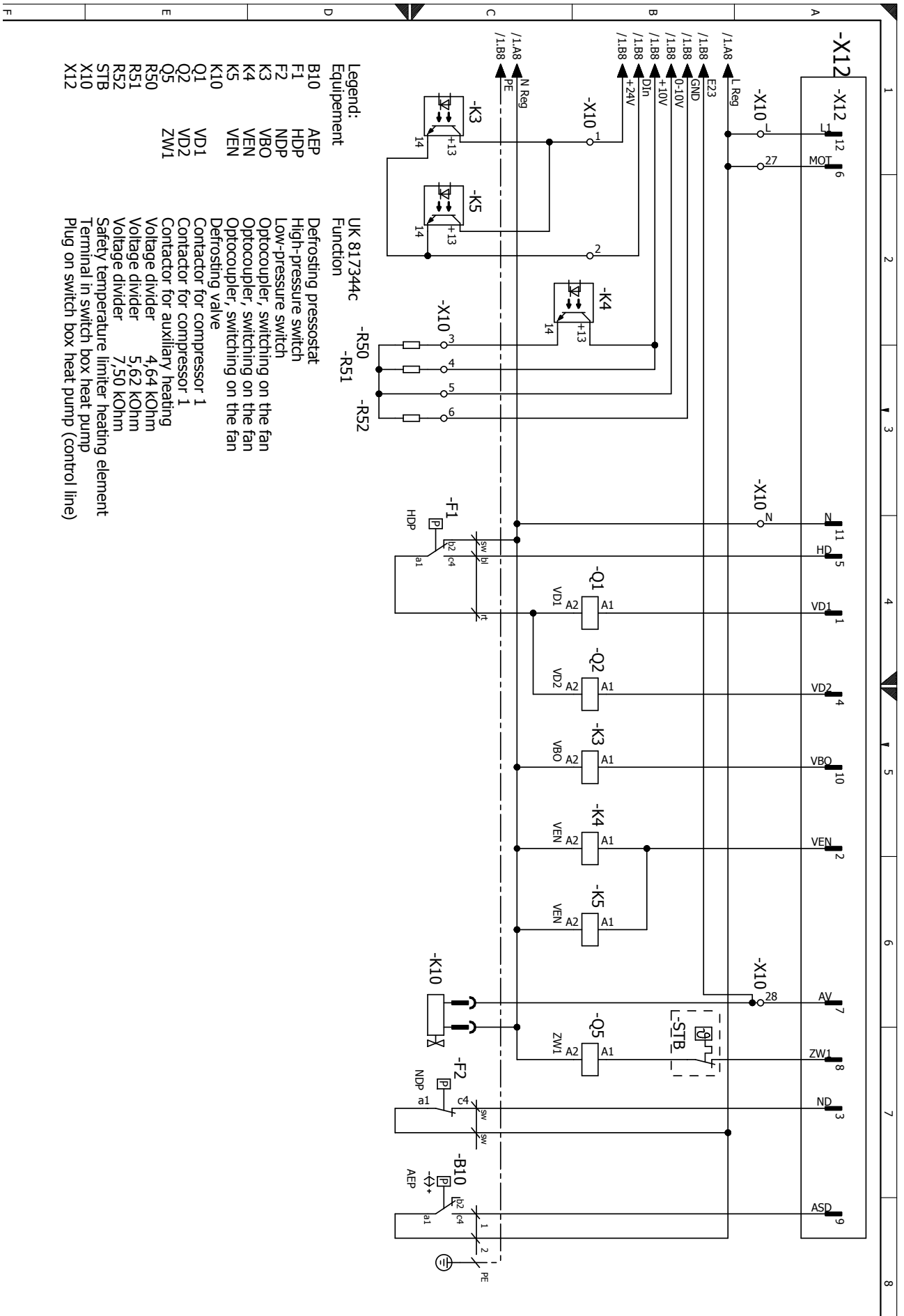
Circuit diagram 1/3





Circuit diagram 2/3

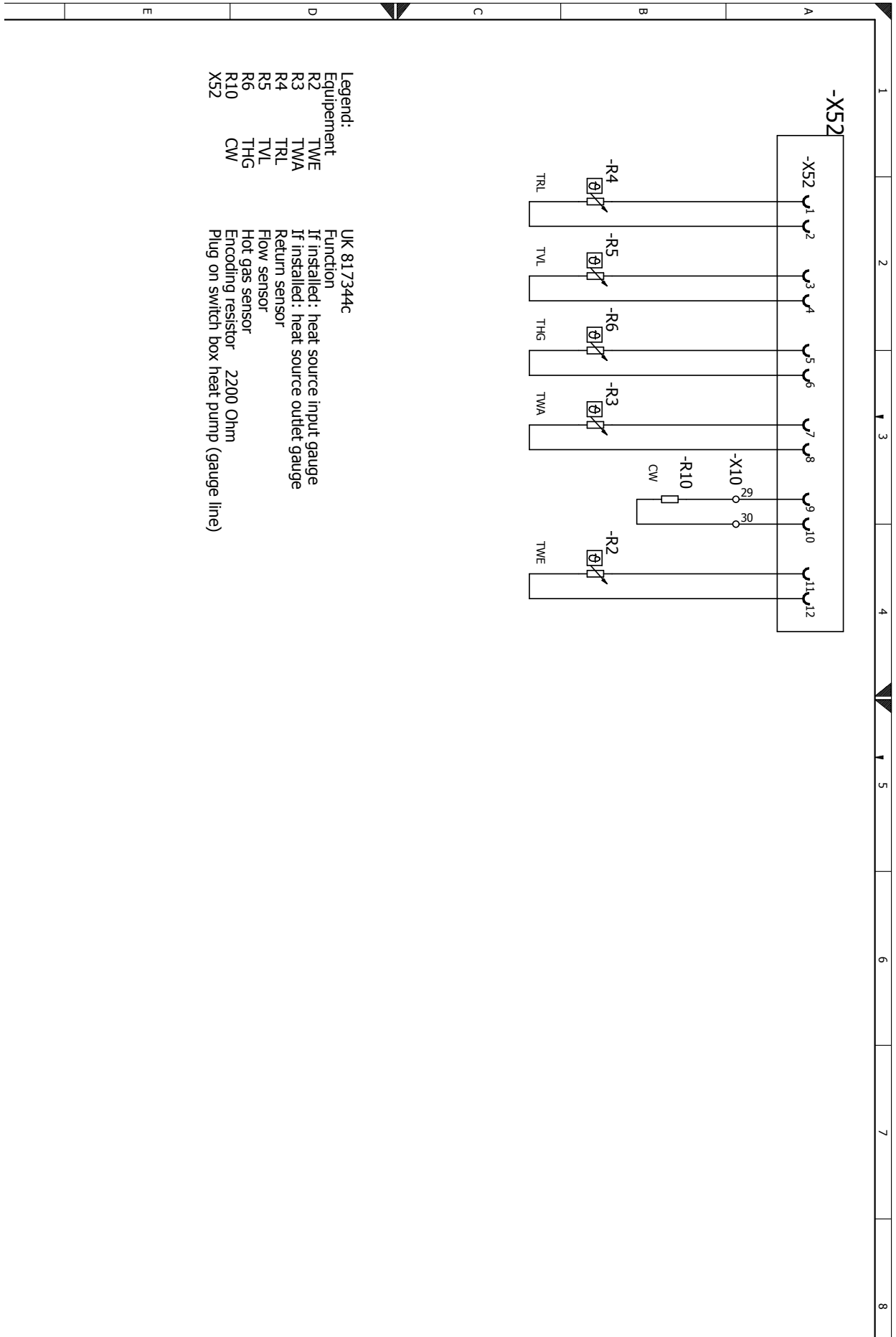
LW 251A





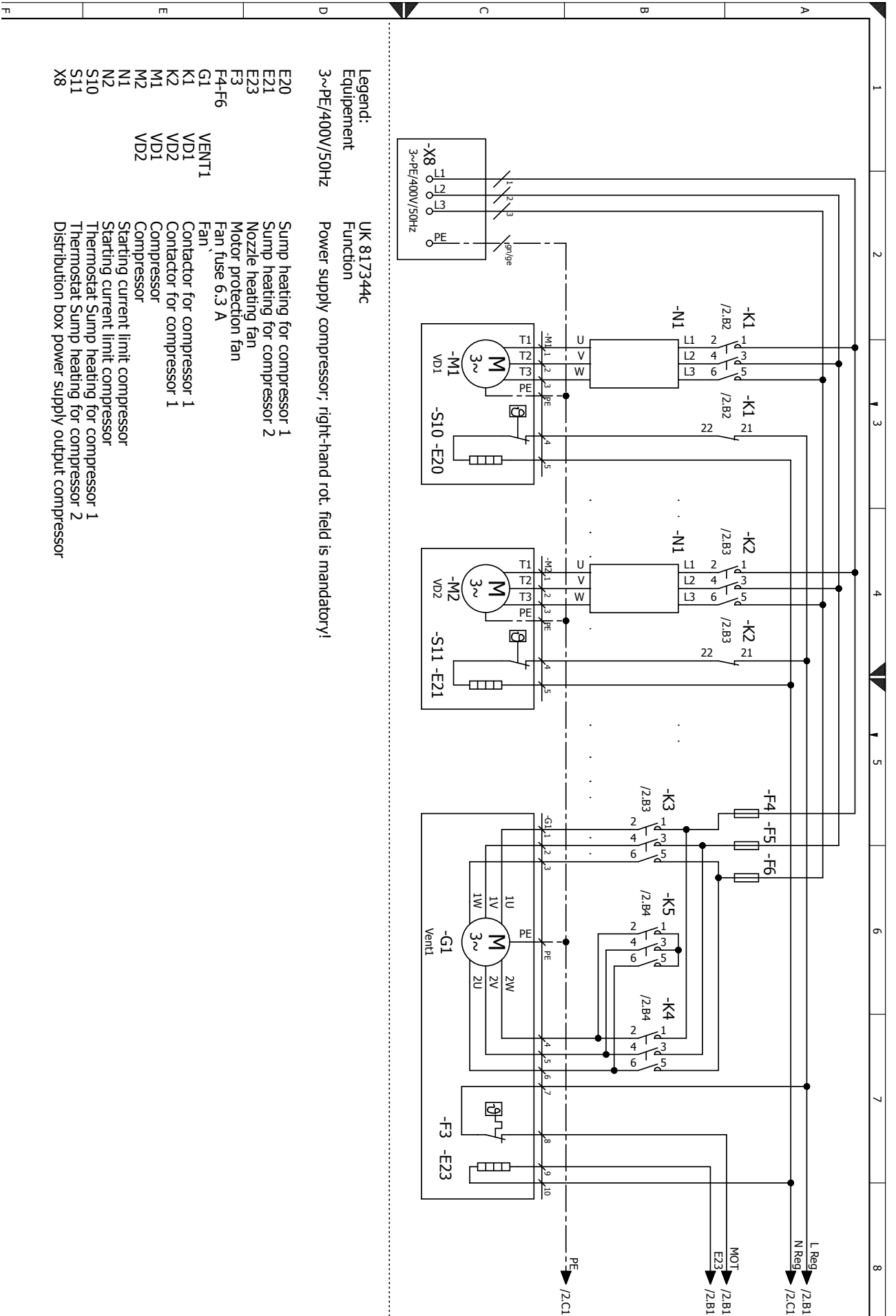
LW 251A

Circuit diagram 3/3





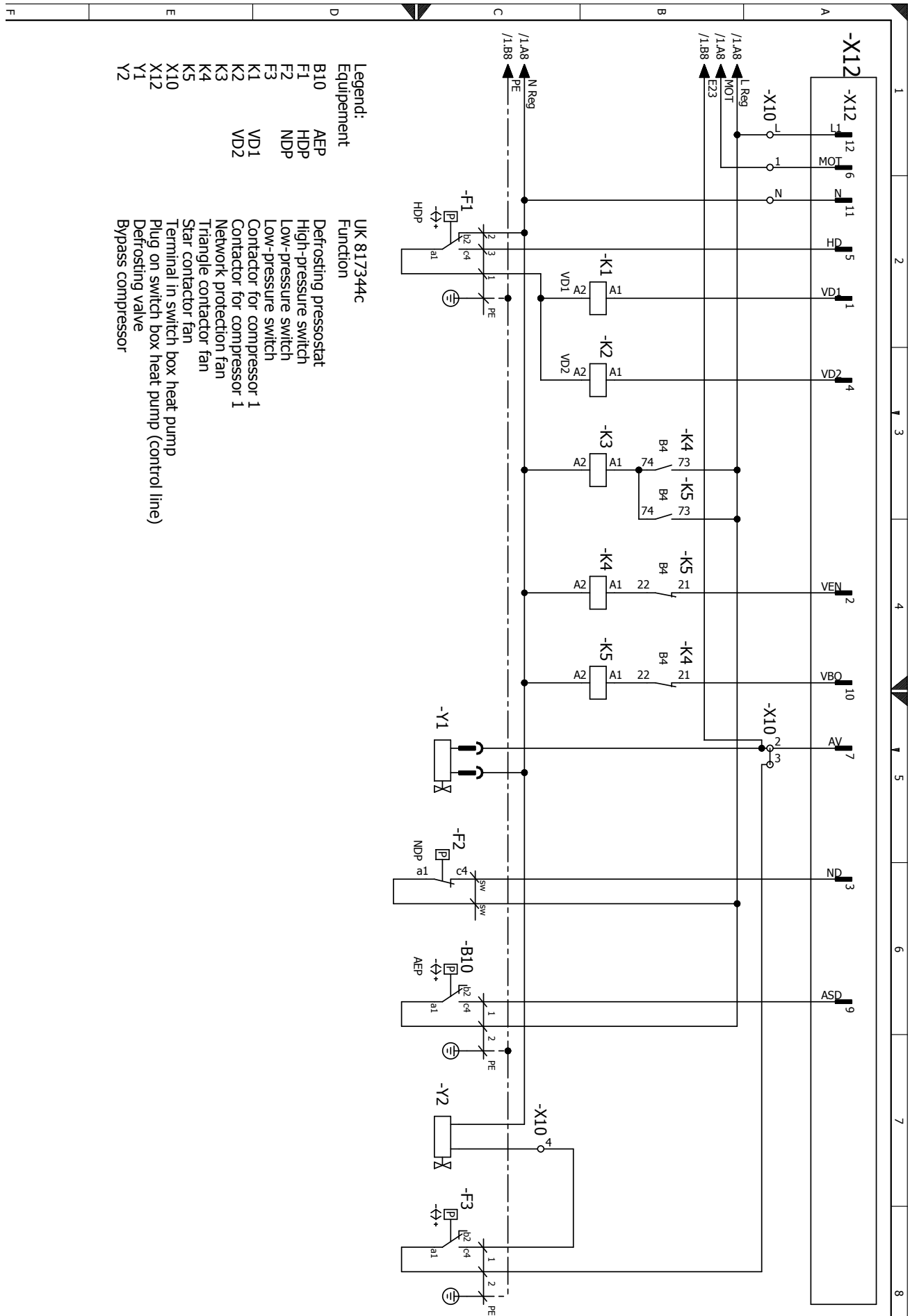
Circuit diagram 1/3





LW 310A

Circuit diagram 2/3



- Legend:**
- | | |
|------------------|---|
| Equipment | UK 817344c |
| B10 | Defrosting pressostat |
| F1 | High-pressure switch |
| F2 | Low-pressure switch |
| F3 | Low-pressure switch |
| K1 | Contactor for compressor 1 |
| K2 | Contactor for compressor 1 |
| K3 | Network protection fan |
| K4 | Triangle contactor fan |
| K5 | Star contactor fan |
| X10 | Terminal in switch box heat pump |
| X12 | Plug on switch box heat pump (control line) |
| Y1 | Defrosting valve |
| Y2 | Bypass compressor |

Circuit diagram 3/3

