

# Maintenance Schedule

## ACS580-01, ACH580-01 drives, 0.75 kW to 250 kW



ABB Oy, Drives Service

Recommended maintenance intervals and component replacements are based on specified operational and environmental conditions. ABB recommends annual drive inspections to ensure the highest reliability and optimum performance. More detailed maintenance information can be found in maintenance instructions, product manuals and on the Internet.

[www.abb.com/drives](http://www.abb.com/drives)

**NOTE! Long term operation near the maximum specified ratings or environmental conditions may require shorter maintenance intervals for certain components. Check the device specific technical specifications in the relevant hardware manual and consult your local ABB Service for maintenance recommendations at:**

[www.abb.com/searchchannels](http://www.abb.com/searchchannels)

### Legend

- I Inspection** (inspection and maintenance action if needed)
- P Performance** of on/off-site work (commissioning, tests, measurements or other work)
- R Replacement**

| Recommended annual actions by the user                              | Annually |
|---|----------|
| <b>Connections and environment</b>                                  |          |
| Quality of supply voltage   | P        |
| <b>Spare parts</b>  |          |
| Spare parts   | I        |
| DC circuit capacitors reforming, spare modules and spare capacitors | P        |
| <b>Inspections by user</b>  |          |
| Tightness of terminals  | I        |
| Dustiness, corrosion and temperature                                | I        |
| Heat sink cleaning  | I        |

| Cooling   | Years from start-up |   |   |    |    |    |    |
|---|---------------------|---|---|----|----|----|----|
|   | 3                   | 6 | 9 | 12 | 15 | 18 | 21 |
| <b>Main cooling fan</b>                             |                     |   |   |    |    |    |    |
| Main cooling fan (R0 to R9)                         |                     | R |   | R  |    | R  |    |
| <b>Aux cooling fan</b>                              |                     |   |   |    |    |    |    |
| Auxiliary cooling fan for circuit boards (R0 to R9) | R                   | R | R | R  | R  | R  | R  |
| Auxiliary cooling fan IP55 (R8 and R9)              | R                   | R | R | R  | R  | R  | R  |

| Aging   | Years from start-up |   |   |    |    |    |    |
|---|---------------------|---|---|----|----|----|----|
|   | 3                   | 6 | 9 | 12 | 15 | 18 | 21 |
| <b>Frequency converter R1 to R9</b>                                     |                     |   |   |    |    |    |    |
| Signal wire sets  |                     |   |   | R  |    |    |    |
| DC circuit electrolytic capacitors and discharging resistors (R5 to R9) |                     |   | R |    |    | R  |    |
| CCAP(R0 to R4)  |                     |   | R |    |    | R  |    |
| CINT(R0- R5), ZINT (R5 to R9)   |                     |   |   | R  |    |    |    |
| ZPOW, ZCU, ZINP   |                     |   |   | R  |    |    |    |
| Control panel battery   |                     |   | R |    |    | R  |    |