## Megastar W Drives

### Legend:

- Replacement of component: R
- Inspection (visual inspection, correction and replacement if needed): I
- Performance of on-site work (commissioning, tests, measurements, etc.): P

### Years from start-up or from part replacement

| Years | 0 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
|-------|---|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Start-up | P |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |

### Cooling

- Ion compound and mech. filters
- Cooling fan of (i.e.,)
- Control rack fan (option)\(^1\)
- Cooling pump seals
- Cooling pumps
- 6 mm pipes of the snubber circuit
- 90D-connectors and pipes for chopper- and DC-chokes
- O-ring kit for fast connectors
- Heat exchanger

### Aging

- Battery of CPU board (4×)
- Battery of UPS (separately agreed)
- Electrolytic capacitors (PA, PAU, MP, MN, SADT300)
- Aux. power supply board SADT39PM and TSL300°
- Chopper capacitors, AVX-W
- Auxiliary chopper capacitors
- Snubber capacitors
- Discharge relay
- DC capacitors (CBU)
- Rebuilt fibre optics, snubber caps and pulse amplifiers

### Connections & Surroundings

- Fiber optic cables\(^2\)
- Cable connections
- Dustiness, corrosion and temperature
- Quality of supply voltage

### Improvements

- AMC-based control unit\(^*\)
- Upgrade of SAD39POW unit
- 5 um filter for cooling system
- Extra cooling for inverter unit
- Based on product notes

### Control Upgrade

- PCBs, Power supplies
- Door Fan
- Filter\(^*\)
- Updates/Improvements\(^*\)

### Measurements

- Basic measurements with aux. supply voltage
- Measurements of specified components of converter

### Spare Parts

- Spare Parts\(^*\)

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Specifications subject to change without notice.
**Note!** Recommended service intervals and component replacements are based on the operational environment specified by ABB. Please refer to service instructions and product manuals for more information or go to [www.abb.com/drivesservices](http://www.abb.com/drivesservices).

*Note!* All previous vector control versions, vc2, vc4, vc5 and vc6 can be upgraded to AMC based control platform.

*1* Not required for units with Control-Upgrade

*2* FO-cables are replaced with Control-Upgrade

*3* Contact local ABB for information for control upgrade of SAMI Megastar W

*4* Depending on the ambient conditions filter mat might need to be replaced yearly/every second year.

*5* Improvements and updates are based on SW/HW development

*6* In-case of control upgrade all spare-parts should be listed and obsolete parts returned/disposed.