



Service Information

File In/With: YLAA / YVAA / YVFA

SI0569

Supersedes SI0569 (1123)

Rev

1224

Equipment Affected: YLAA, YVAA, and YVFA

AYK550 to AYK580 Retrofit Kits

Background

AYK550 Variable Frequency Drives (VFDs) are no longer available and are being replaced with AYK580 VFDs. The AYK550s replacements are not drop-in replacements and require a new enclosure due to the mounting and wiring differences.

General

To select the applicable retrofit kit, refer to *Table 1 on page 2* and *Table 2 on page 3*.

Work on this equipment should only be done by properly trained personnel who are qualified to work on this type of equipment. Failure to comply with this requirement could expose the worker, the equipment and the building and its inhabitants to the risk of injury or property damage.

The instructions on this service information letter are written assuming the individual who will perform this work is a fully trained HVAC & R journeyman or equivalent, certified in refrigerant handling and recovery techniques, and knowledgeable with regard to electrical lock out/tag out procedures. The individual performing this work should be aware of and comply with all Johnson Controls, national, state and local safety and environmental regulations while carrying out this work. Before attempting to work on any equipment, the individual should be thoroughly familiar with the equipment by reading and understanding the associated service literature applicable to the equipment. If you do not have this literature, you may obtain it by contacting a Johnson Controls Service Office.

Should there be any question concerning any aspect of the tasks outlined in this bulletin, please consult a Johnson Controls Service Office prior to attempting the work. Please be aware that this information may be time sensitive and that Johnson Controls reserves the right to revise this information at any time. Be certain you are working with the latest information.

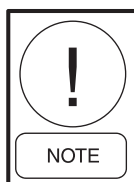
Product Technical Support

Table 1 - YLAA Retrofit Kits

Original drive	Original drive model number	Frame	Rating	Kit part number	Description	Drive included in kit
024-34335-021	AYK550-UH-031A-4+K465	R3	30HP 380-480 / 3 / 60	393-84710-201	RKIT, VFD, AYK580 30HP 380-480/3/60	024-40329-006
024-34335-011	AYK550-UH-046A-2+K465	R3	20HP 208-230 / 3 / 60	393-84710-200	RKIT, VFD, AYK580 20HP 208-230/3/60	024-40329-104
024-34335-012	AYK550-UH-059A-2+K465	R3	20HP 208-230 / 3 / 60	393-84710-200	RKIT, VFD, AYK580 20HP 208-230/3/60	024-40329-104
024-34396-000	AYK550-UH-09A0-6+K465	R2	15HP 575 / 3 / 60	393-84710-102	RKIT, VFD, AYK580 15HP 575/3/60	024-40329-203
024-34397-000	AYK550-UH-011A-6+K465	R2	15HP 575 / 3 / 60	393-84710-102	RKIT, VFD, AYK580 15HP 575/3/60	024-40329-203
024-34398-000	AYK550-UH-017A-6+K465	R2	15HP 575 / 3 / 60	393-84710-102	RKIT, VFD, AYK580 15HP 575/3/60	024-40329-203
024-34333-026	AYK550-UH-012A-4+K465	R2	15HP 380-480 / 3 / 60	393-84710-101	RKIT, VFD, AYK580 15HP 380-480/3/60	024-40329-003
024-34334-021	AYK550-UH-015A-4+K465	R2	15HP 380-480 / 3 / 60	393-84710-101	RKIT, VFD, AYK580 15HP 380-480/3/60	024-40329-003
024-34334-022	AYK550-UH-023A-4+K465	R2	15HP 380-480 / 3 / 60	393-84710-101	RKIT, VFD, AYK580 15HP 380-480/3/60	024-40329-003
024-34334-011	AYK550-UH-024A-2+K465	R2	10HP 380-480 / 3 / 60	393-84710-100	RKIT, VFD, AYK580 100HP 380-480/3/60	024-40329-102
024-34334-012	AYK550-UH-031A-2+K465	R2	10HP 380-480 / 3 / 60	393-84710-100	RKIT, VFD, AYK580 10HP 380-480/3/60	024-40329-102
024-34399-000	AYK550-UH-022A-6+K465	R3	20HP 575 / 3 / 60	393-84710-202	RKIT, VFD, AYK580 20HP 575/3/60	024-40329-204

Table 2 - YVAA / YVFA Retrofit Kits

Original drive	Fan or glycol	Original drive model number	Frame	Rating	Kit part number	Description	Drive included in kit
024-34336-022	Fan	AYK550-UH-059A-4+K465	R4	40HP 380-480 / 3 / 60	393-82192-200	RKIT, VFD, AYK580 40HP 380-480/3/60	024-40329-007
024-34335-022	Fan	AYK550-UH-038A-4+K465	R4	40HP 380-480 / 3 / 60	393-82192-200	RKIT, VFD, AYK580 40HP 380-480/3/60	024-40329-007
024-34336-023	Fan	AYK550-UH-072A-4+K465	R4	50HP 380-480 / 3 / 60	393-82192-201	RKIT, VFD, AYK580 50HP 380-480/3/60	024-40329-008
024-35956-000	Fan	AYK550-UH-045A-4+K465	R3	30HP 380-480 / 3 / 60	393-82192-100	RKIT, VFD, AYK580 30HP 380-480/3/60	024-40329-006
024-34334-022	Fan	AYK550-UH-023A-4+K465	R3	30HP 380-480 / 3 / 60	393-82192-100	RKIT, VFD, AYK580 30HP 380-480/3/60	024-40329-006
024-34335-021	Fan	AYK550-UH-031A-4K465	R3	30HP 380-480 / 3 / 60	393-82192-100	RKIT, VFD, AYK580 30HP 380-480/3/60	024-40329-006
024-35958-000	Glycol	AYK550-UH-097A-4+K465	R5	75HP 380-480 / 3 / 60	393-82192-500	RKIT, VFD, AYK580 75HP 380-480/3/60	024-40329-010
024-34336-022	Glycol	AYK550-UH-059A-4+K465	R4	60HP 380-480 / 3 / 60	393-82192-400	RKIT, VFD, AYK580 60HP 380-480/3/60	024-40329-009
024-34336-023	Glycol	AYK550-UH-072A-4+K465	R4	60HP 380-480 / 3 / 60	393-82192-400	RKIT, VFD, AYK580 60HP 380-480/3/60	024-40329-009
024-35957-000	Glycol	AYK550-UH-078A-4+K465	R4	60HP 380-480 / 3 / 60	393-82192-400	RKIT, VFD, AYK580 60HP 380-480/3/60	024-40329-009
024-35956-000	Glycol	AYK550-UH-045A-4+K465	R3	30HP 380-480 / 3 / 60	393-82192-300	RKIT, VFD, AYK580 30HP 380-480/3/60	024-40329-006



If replacing a VFD for a YVFA0409 SYS2 (40HP) or a YVFA0459 Glycol VFD, the following additional kits are required:

- **393-82192-202, RKIT, YVFA0409 SYS2, 40HP**
- **393-82192-501, RKIT, YVFA0459, GLYCOL, R5**