

Air Conditioners UL listed and UL Component Recognized

The most critical concern to most UL 508A panel shops is the Category Control Numbers the AC units are under. Our ACs are listed under both the ACVS Air Conditioners, Special Purpose and ACVS2 Air Conditioners, Special Purpose – Component.

Because the AC requires the enclosure in order to maintain the environmental rating, the unit by itself can only be marked as Recognized. Once the UL 508A panel shop installs the unit on the enclosure, to the manufacturer’s instructions, it should be treated the same as a Listed unit under ACVS.

For example, the AC as a standalone unit uninstalled to an enclosure could not withstand the rain test or hose down test... required of a Type 3R, 4, 4X or 12, therefore Component Recognized. Once you install the AC on a UL Listed Enclosure the status just changed and should be treated as ACVS Listed Air Conditioners, Special Purpose.

Table SA1.1 Continued

Paragraph reference	Component description	UL Standard	Category control number(s)	Notes
26.2.4(c)	Separate motor overload	UL 508	NKCR, NLRV	See Section 34, Overload Protection of Motor Loads
Section 26.3 – Enclosure Air Conditioners meeting component selection requirement				
26.3.1	Listed Special-purpose air conditioner, Self-Contained Units	UL 484	ACVS	Construction described in Procedure or Installed according to manufacturer’s instructions
26.3.1	Recognized Special-purpose air conditioner, Self-Contained Units	UL 484	ACVS2	

Recognized Component should be treated the same as listed product when installed on a UL Listed Enclosure by UL 508A Panel Shop – then may be listed as an assembly.

Requires the enclosure in order to maintain the environmental rating.

When installed on UL Listed Enclosure by UL 508A Panel Shop, need only to evaluate conditions of acceptability

Conditions of Acceptability - In determining the acceptability of the special purpose air conditioners for use in the final application, consideration should be given to the following conditions:

- 1. Disconnect Switch** - The unit is not provided with a disconnect switch. The power is controlled by the end product.
- 2. Mounting** - These units are intended to be mounted on electrical cabinet, the outdoor cover panel is suitable to be a part of the end use ultimate enclosure.
- 3. Weather Exposure** - The air conditioning unit has been investigated for outdoor use.
- 4. Power Supply** – Connection to power supply, including grounding connection, must be investigated in combination with the end product; supply wiring conductors shall be no larger than 10 AWG. The need to conduct Electronic Leakage Test and Starting Test shall be evaluated in the end use application

Category Name	Category Control Number.UL File Number
Air Conditioners, Special Purpose	ACVS.SA32278
Air Conditioners, Special Purpose - Component	ACVS2.SA32278
Air Conditioners, Special Purpose Certified for Canada	ACVS7.SA32278
Air Conditioners, Special Purpose Certified for Canada - Component	ACVS8.SA32278