

Subject 2523

February 9, 2018

SUMMARY OF TOPICS

The following changes in requirements to the Standard for Solid Fuel-Fired Hydronic Heating Appliances, Water Heaters and Boilers, UL 2523, are being proposed:

1. Correcting Table Format and Information

STP BALLOTS AND ALL COMMENTS DUE: MARCH 11, 2018

UL's goal is to have no interest category comprise more than one-third of the STP membership balance. To improve the current balance for STP 2523, UL is looking for participants in the Producer and AHJ interest categories. Definitions for these interest categories are available on the Standards STP Internet site:

<http://ulstandards.ul.com/develop-standards/participation/interest-categories/>

If you are interested in applying for STP 2523 membership or are aware of potential candidates for this STP, please contact the STP Project Manager, Gillian.Wintonic@ul.com.

For your convenience in review, proposed additions to existing requirements are shown underlined and proposed deletions are shown ~~lined-out~~.

1. Correcting Table Format and Information

RATIONALE

Proposal submitted by: Scott Nichols, Tarm USA Inc.

There are problems with Table 55.1. The table combines temperature rise limits and maximum temperature limits in a way that is confusing.

PROPOSAL



Table 55.1
Maximum temperatures and maximum temperature rises

Device or Material	Column 1 Max Temperature Rise		Max Temp	
	°C	(°F)	°C	(°F)
A. MOTORS ^{a,b}				
1. Class A insulation on coil windings of alternating-current motors having a frame diameter of 7 inches or less (not including universal motors)				
a. In open motors –				
Thermocouple or resistance method	75	(135)		
b. In totally enclosed motors				
Thermocouple or resistance method	80	(144)		
2. Class A insulation systems on coil windings of alternating-current motors having a frame diameter of more than 7 inches (178 mm) and of direct-current motors and universal motors)				
a. In open motors –				
Thermocouple method	65	(117)		
Resistance method	75	(135)		
b. In totally enclosed motors –				
Thermocouple method	70	(126)		
Resistance method	80	(144)		
3. Class B insulation on coil windings of alternating-current motors having a frame diameter of 7 inches or less (not including universal motors).				
a. In open motors –				
Thermocouple or resistance method	95	(171)		
b. In totally enclosed motors –				
Thermocouple or resistance method	100	(180)		
4. Class B insulation on coil windings of alternating-current motors having a frame diameter of more than 7 inches (178 mm) and of direct-current motors, universal motors.				
a. In open motors –				
Thermocouple method	85	(153)		
Resistance method	95	(171)		
b. In totally enclosed motors –				
Thermocouple method	90	(162)		
Resistance method	100	(180)		
B. COMPONENTS				
1. Field-wiring terminals ^c	50	(90)		
2. Points on or within terminal box which may be in contact with field wiring ^c	35	(63)		
3. Capacitors				
Electrolytic type ^d	40	(72)		
Other types ^e	65	(117)		
4. Relay, solenoid, and other coils with: ^b				
a. Class 105 insulated windings –				
Thermocouple method	65	(117)		
b. Class 130 insulated windings –				
Thermocouple method	85	(153)		
5. Sealing compounds	40 °C (104 °F) less than its melting point		40 °C (72 °F) less than its melting point	

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