

A19 Series

Thermostat for Crop Drying

Description

The A19 Series are single-stage temperature controls that incorporate liquid-filled sensing elements.

Technical Specifications

The maximum bulb temperature for the A19AAE-3 is 200°F (93°C) and for the A19ABB-2 is 240°F (116°C).

Electrical Rating 120 VAC

| Motor Ratings VAC | 120 | 208 | 240 |
|---|------------------------|------|------|
| A19AAE-3 | | | |
| AC Full Load A | 6.0 | 3.4 | 3.0 |
| AC Locked Rotor A | 36.0 | 20.4 | 18.0 |
| Non-Inductive or Resistance Load A (Not Lamp Loads) | 10 A 120 to 277 VAC | | |
| Pilot Duty - 125 VA, 24 to 277 VAC | | | |
| A19ABB-2 | | | |
| AC Full Load A | 10.0 | - | 6.0 |
| AC Locked Rotor A | 60.0 | - | 36.0 |
| Pilot Duty - 125 VA, 24 to 600 VAC | | | |

Features

- designed for high temperature applications
- narrow (2F° fixed) or wide adjustable differentials

Applications

Crop drying thermostat energizes gas valve to maintain temperature.



A19AAE-3

Selection Chart

| Code Number | Switch Action | Range °F (°C) | Diff F(°C) | Bulb and Capillary | Range Adjuster | Max. Bulb Temp °F (°C) |
|-------------|----------------------|-------------------------|------------------------------------|--|--------------------|------------------------|
| A19AAE-3C | SPST Open High | 80 to 180 (27 to 82) | 2 (1.1) Fixed | 1/8 in. x 1 1/4 in. Copper-coiled 10 ft Cap. | Knob Ext. Scale | 200 (93) |
| A19ABB-2C | SPST Open High | 50 to 200 (10 to 93) | 6 to 24 (3 to 13) Adjustable | 0.290 in. x 2 1/2 in. 10 ft Cap. | Knob Ext. Scale | 240 (116) |