



## ENERGY STAR CERTIFIED Televisions

### Samsung - QN65QN90CAF : QN65QN90CAF

| Specifications                                                                                                            |                                                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| ENERGY STAR Unique ID:                                                                                                    | 2406517                                                                                                                   |
| Brand Name:                                                                                                               | Samsung                                                                                                                   |
| Model Number:                                                                                                             | QN65QN90CAF                                                                                                               |
| Model Name:                                                                                                               | QN65QN90CAF                                                                                                               |
| Application:                                                                                                              | Consumer                                                                                                                  |
| Display Type:                                                                                                             | QD-LED (QLED)                                                                                                             |
| Backlight Technology Type:                                                                                                | Direct-lit LED                                                                                                            |
| Resolution Format:                                                                                                        | 4K (UHD)                                                                                                                  |
| Native Vertical Resolution (pixels):                                                                                      | 2160                                                                                                                      |
| Native Horizontal Resolution (pixels):                                                                                    | 3840                                                                                                                      |
| High Contrast Ratio (HCR) Display:                                                                                        | No                                                                                                                        |
| Automatic Brightness Control:                                                                                             | Yes                                                                                                                       |
| Is Automatic Brightness Control Enabled by Default in the Default SDR Preset Picture Setting When Television is Shipped?: | No                                                                                                                        |
| Low Power Wireless Technologies Supported:                                                                                | Bluetooth                                                                                                                 |
| Features:                                                                                                                 | Control Via Smart Speaker,Motion-based Dynamic Dimming (MDD) (also known as Motion Eye Care),Automatic Brightness Control |
| Reported Annual Energy Consumption (kWh):                                                                                 | 161.9                                                                                                                     |
| Power Consumption in Standby Mode when Not Connected to a Network (watts):                                                | 0.3                                                                                                                       |
| Power Consumption in Standby Mode when Connected to a Network (watts):                                                    | 0.4                                                                                                                       |
| Average On Mode Power Consumption for Certification (watts):                                                              | 113.6                                                                                                                     |
| Reported On Mode Power (per the Federal Test Procedure) (watts):                                                          | 83.0                                                                                                                      |
| Diagonal Viewable Screen Size (in.):                                                                                      | 64.5                                                                                                                      |
| Date Certified:                                                                                                           | 2023-01-05                                                                                                                |
| Markets:                                                                                                                  | United States                                                                                                             |
| ENERGY STAR Certified:                                                                                                    | Yes                                                                                                                       |

### Additional Model Information

QN65QN90CDF,QN65QN90CDF,Same as basic model except model designation; QN65QN92CAF,QN65QN92CAF,Same as basic model except model designation

Captured On:

04/25/2025