



# ENERGY STAR CERTIFIED Televisions

## Samsung - QN55QN90DAF : QN55QN90DAF

### Specifications

<b>ENERGY STAR Unique ID:</b>	2862420
<b>Brand Name:</b>	Samsung
<b>Model Number:</b>	QN55QN90DAF
<b>Model Name:</b>	QN55QN90DAF
<b>Application:</b>	Consumer
<b>Display Type:</b>	QD-LED (QLED)
<b>Backlight Technology Type:</b>	Direct-lit LED
<b>Resolution Format:</b>	4K (UHD)
<b>Native Vertical Resolution (pixels):</b>	2160
<b>Native Horizontal Resolution (pixels):</b>	3840
<b>High Contrast Ratio (HCR) Display:</b>	No
<b>Automatic Brightness Control:</b>	Yes
<b>Is Automatic Brightness Control Enabled by Default in the Default SDR Preset Picture Setting When Television is Shipped?:</b>	No
<b>Low Power Wireless Technologies Supported:</b>	Bluetooth
<b>Features:</b>	High Dynamic Range Upscaling,Wake-On-Cast Compatibility,Control Via Remote Control App,Control Via Smart Speaker,Upconversion,Motion-based Dynamic Dimming (MDD) (also known as Motion Eye Care),Automatic Brightness Control,User Adjustable Backlight
<b>Reported Annual Energy Consumption (kWh):</b>	223.9
<b>Power Consumption in Standby Mode when Not Connected to a Network (watts):</b>	0.3
<b>Power Consumption in Standby Mode when Connected to a Network (watts):</b>	0.4
<b>Average On Mode Power Consumption for Certification (watts):</b>	102.15
<b>Reported On Mode Power (per the Federal Test Procedure) (watts):</b>	102.15
<b>Diagonal Viewable Screen Size (in.):</b>	54.6
<b>Date Certified:</b>	2023-12-07
<b>Markets:</b>	United States
<b>ENERGY STAR Certified:</b>	Yes

## Additional Model Information

QN55QN90DDF,QN55QN90DDF,Same as basic model except model designation; QN55QN92DAF,QN55QN92DAF,Same as basic model except model designation

**Captured On:**  
04/25/2025