



ENERGY STAR CERTIFIED Televisions

Samsung - QN85QN90CAF : QN85QN90CAF

Specifications

ENERGY STAR Unique ID:	2406516
Brand Name:	Samsung
Model Number:	QN85QN90CAF
Model Name:	QN85QN90CAF
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):	225.8
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):	183.64
Reported On Mode Power (per the Federal Test Procedure) (watts):	118.0
Diagonal Viewable Screen Size (in.):	84.5
Date Certified:	2023-01-05
Markets:	United States
ENERGY STAR Certified:	Yes

Additional Model Information

QN85QN90CDF,QN85QN90CDF,Same as basic model except model designation; QN85QN92CAF,QN85QN92CAF,Same as basic model except model designation

Captured On:

04/25/2025