

Product Information Sheet

COMMISSION DELEGATED REGULATION (EU) 2019/2013 with regard to energy labelling of electronic displays

	Parameter	Parameter or value and precision	Unit		
1.	Supplier's name or trademark.	Samsung			
	Supplier's address.	Public Contact, Samsung PO Box 12987 Blackrock Co.Dublin Ireland			
2.	Model identifier	QE77S90FAE			
3.	Energy Efficiency Class for Standard Dynamic Range (SDR)	F			
4.	On mode power demand in SDR	125	W		
5.	Energy Efficiency Class for High Dynamic Range (HDR)	G			
6.	On mode power demand in HDR, if implemented	344	W		
7.	Off mode, power demand, if applicable	n.a.	W		
8.	Standby mode power demand, if applicable	0,5	W		
9.	Networked standby mode power demand, if applicable	2,0	W		
10.	Electronic display category	Television			
11.	Size ratio	16	:	9	
12.	Screen resolution	3 840	x	2 160	pixels
13.	Screen diagonal	194,0		cm	
14.	Screen diagonal	77		inches	
15.	Visible screen area	162,0		dm ²	
16.	Panel technology used	OLED			
17.	Automatic Brightness Control (ABC) available	Yes			
18.	Voice recognition sensor available	No			
19.	Room presence sensor available	No			
20.	Image refresh frequency rate (default)	144		Hz	
21.	Minimum guaranteed availability of software and firmware updates (from the date of end of the placement on the market)	8		Years	
22.	Minimum guaranteed availability of spare parts (from the date of end of the placement on the market)	7		Years	
23.	Minimum guaranteed product support	7		Years	
	Minimum duration of the general guarantee offered by the supplier	2		Years	
24.	Power supply type	Internal			
25.	External power supply (non standardized and included in the product box)				
	<i>i</i>	-			
	<i>ii</i>	Input voltage	-	V	

	<i>iii</i>	Output voltage	-	V
26.	External standardised power supply (or suitable one if not included in the product box)			
	<i>i</i>	-		
	<i>ii</i>	Required output voltage	-	V
	<i>iii</i>	Required delivered current (minimum)	-	A
	<i>iv</i>	Required current frequency	-	Hz

<p>EPREL registration number: 2205112</p> <p>Model placed on the Union market from 21/04/2025.</p>	 <p>https://eprel.ec.europa.eu/qr/2205112</p>
<p>Supplier: SAMSUNG ELECTRONICS (UK) LIMITED (Manufacturer) Website:</p>	
<p>Customer care service:</p>	
<p>Name: Public Contact</p> <p>Email: eprel@samsung.com</p> <p>Address: Samsung PO Box 12987 Blackrock Co.Dublin Ireland</p>	<p>Website:</p> <p>Phone: n/a</p>