



**Health. Safety. Fairness in Trade.**

## Energy Efficient Air-conditioners 2022

The Energy Efficiency for air-conditioners is determined by calculating the Energy Efficiency Ratio (EER). The EER is calculated by dividing the Total Cooling Capacity by the Measured Average Input Power (W). Based on the value of the EER, an energy efficiency class is assigned with Class A being the most efficient and Class E the least efficient (See table 2 below).

**Table 1 Displaying Appliances and their Energy Efficiency Class**

Brand	Model	Type	Energy Efficiency Class
Lennox	LI024CI-160T432	Mini Split Inverter AC	E
LG	VM092C6A NJP8	EVAPORATOR, LG 2.64KW (9,000) SPLIT INVERTER 220V/50HZ/1PH  CONDENSER, LG 2.64KW (9,000) SPLIT INVERTER 220V/50HZ/1PH	D
LG	VR122C7 NJP8	EVAPORATOR, LG 3.23KW (12,000) SPLIT INVERTER 220V/50HZ/1PH  CONDENSER, LG 3.52KW (12,000) SPLIT INVERTER 220V/50HZ/1PH	D
LG	VR182C7 NKP9	EVAPORATOR, LG 5.3KW (18,000) SPLIT INVERTER 220V/50HZ/1PH  CONDENSER, LG 5.3KW (18,000) SPLIT INVERTER 220V/50HZ/1PH	D



**Health. Safety. Fairness in Trade.**

LG	VR242C7 NKP8	EVAPORATOR, LG 5.87KW (24,000) SPLIT INVERTER 220V/50HZ/1PH  CONDENSER, LG 5.87KW (24,000) SPLIT INVERTER 220V/50HZ/1PH	C
LG	VM122CW NJP8	EVAPORATOR, LG 3.23KW (12,000) DELUXE SPLIT INVERTER 220V/50  CONDENSER, LG 3.23KW (12,000) DELUXE SPLIT INVERTER 220V/50H	B
LG	VM182C6A NKP10	EVAPORATOR, LG 5.3KW (18,000) DELUXE SPLIT INVERTER 220V/50H  CONDENSER, LG 5.3KW (18,000) DELUXE SPLIT INVERTER 220V/50HZ	E
LG	VM242C6A NKP8	EVAPORATOR, LG 5.87KW (24,000) DELUXE SPLIT INVERTER 220V/50  CONDENSER, LG 5.87KW (24,000) DELUXE SPLIT INVERTER 220V/50H	C
LG	SW362H8 NRP0	EVAPORATOR, LG 10.55KW (36000 BTU) WALL INVERTER 220/50/1  CONDENSER, LG 10.55KW (36000 BTU) WALL INVERTER 220/50/1	D

**Table 2 Displaying Cooling mode for Energy Efficiency class for  
split-system with one interior unit and one exterior unit**

<b>Energy efficiency class</b>	<b>EER  w/w</b>	<b>EER  (Btu/h)/w</b>
A	$3.80 < \text{EER}$	$12.92 < \text{EER}$
B	$3.80 \geq \text{EER} > 3.60$	$12.92 \geq \text{EER} > 12.24$
C	$3.60 \geq \text{EER} > 3.40$	$12.24 \geq \text{EER} > 11.56$
D	$3.40 \geq \text{EER} > 3.20$	$11.56 \geq \text{EER} > 10.88$
E	$3.20 \geq \text{EER} > 3.00$	$10.88 \geq \text{EER} > 10.2$
<b>NOTE: Conversion 1 w = 3.4 Btu/h</b>		

**The appliances were tested against the Energy Labelling Refrigerators/Freezers  
Requirements JS CRS 59:2022.**