

# SAMSUNG



## Samsung Luzon

The Samsung Luzon cools rooms quickly from corner to corner, so you're always comfortable.

### Auto Clean

The Auto Clean functionality enables cleaning of the heat exchanges any time after you turn off the unit. This function automatically dries the Heat Exchanger using a 3 step process and prevents the build-up of bacteria and odours. It can easily be enabled or disabled with the click of the remote controller.

### Easy Filter Plus

Unlike conventional filters that may be difficult to access the Easy Filter Plus is located externally on the top of the unit. This means it can be easily removed and cleaned without needing to open a cover or pull hard on it. Thanks to the filter's dense mesh it's very effective at capturing dust and therefore keeping the Heat Exchanger clean and working efficiently. The special coating on the filter helps protect residents from certain airborne contaminants<sup>1</sup>.

<sup>1</sup>Tested in Korean test lab (FITI). Data has been measured under specific testing conditions and may vary depending on environmental factors and individual use. Certain airborne contaminants referred to are Escherichia coli ATCC 25922, Staphylococcus aureus ATCC 6538.

# Samsung Luzon

- Compressor with Digital Inverter Boost technology.
- Direct drive fan powered by a BLDC motor.
- Triple Protector Plus to protect compressor, fin and controller from power surges.



## Specifications

Model No.	Indoor Unit			AR09TXHZAWKNEU	AR12TXHZAWKNEU	AR18TXHZAWKNEU	AR24TXHZAWKNEU
	Outdoor Unit (1-phase)			AR09TXHZAWKXEU	AR12TXHZAWKXEU	AR18TXHZAWKXEU	AR24TXHZAWKXEU
Capacity	Cooling	kW		2.50(0.9-3.35)	3.50(0.9-4.00)	5.0(1.60-6.70)	6.50(1.40-7.60)
	Heating		3.20(0.9-4.50)	3.50(0.9-5.00)	6.0(1.30-8.00)	7.40(1.20-9.40)	
UK Capacity	Sensible cooling	kW		2.32	2.71	3.91	5.52
Efficiency	EER	W/W		3.57	2.87	3.60	3.33
	COP <sup>1</sup>		3.81	3.72	3.51	3.15	
	SEER <sup>1</sup>	W/W		6.7/	6.5/	6.8/	6.4/
	SCOP <sup>1</sup>		4.0/	4.0/	3.8/	3.8/	
Annual Energy Consumption	Cooling	kWh/a		131	188	257	355
	Heating		735	770	1,400	1,511	
Sound Pressure	Indoor (H/Silent)	dB(A)		37/19	38/19	41/25	45/26
	Outdoor (Cooling only)		46	47	51	54	
Sound Power	Indoor Unit	dB(A)		54	56	58	62
	Outdoor Unit		63	64	65	68	
Airflow Rate	Indoor	Cooling (T/H/M/L)	l/s	172 / 163 / 155 / 140		275 / 263 / 240 / 216.7	
		Heating (T/H/M/L)	l/s	187 / 178 / 172 / 155		275 / 263 / 240 / 216.7	
	Outdoor	l/s	467		833		
Dimensions (W x H x D)	Indoor	mm		820 x 299 x 215	820 x 299 x 215	1,055 x 299 x 215	1,055 x 299 x 215
	Outdoor		660 x 475 x 242	660 x 475 x 242	880 x 638 x 310	880 x 638 x 310	
Net Weight	Indoor Unit	kg		9.1	9.1	11.5	11.6
	Outdoor Unit		22.6	22.6	39.7	43.2	
Refrigerant	Pipe Size	Gas	ø, inch	3/8	3/8	1/2	5/8
	Liquid	1/4		1/4	1/4	1/4	
	Std/Max Pipe Length (Height)		m	3/15(8)	3/15(8)	3/30(15)	3/30(15)
	Pre Charge to			5	5	5	5
	Factory Charging		kg	0.7	0.7	1.3	1.15
	Additional Charge		g/m	15	15	15	15
	CO <sub>2</sub> Equivalent (R32 - GWP 675)		tCO <sub>2</sub> e	0.47	0.47	0.88	0.78
Electrical	Power Supply	V, Hz		220-240 V, 50 Hz	220-240 V, 50 Hz	220-240 V, 50 Hz	220-240 V, 50 Hz
	Power Input	Cooling	kW	0.205/0.70/1.03	0.205/1.22/1.4	0.32 / 1.39 / 2.18	0.3/1.95/2.6
		Heating		0.20/0.84/1.27	0.20/0.94/1.45	0.27 / 1.71 / 2.5	0.27/2.35/3.3
	Current Input	Cooling	A	1.3/3.6/4.7	1.3/5.6/6.3	2.0 / 6.4 / 10.0	2.0/8.8 / 11.5
		Heating		1.4/4.0/5.6	1.4/4.5/6.4	1.7 / 7.8 / 11.5	1.7/10.5/14.5
	Interconnecting Communication Cable		mm <sup>2</sup>	Screened 0.75-1.5mm <sup>2</sup> ; 2 Core, F1 F2 Connection			

<sup>1</sup> Energy labels as shown are according to EU No 626/2011 (LOT10) label classification 2019, on a scale from D to A+++.

Accessories		
Premium Wired Controller	Sub PCB to Connect Wired Remote Controller	Central Control Network
MWR-WG00JN	MIM-A00N	MWR-R10N