

3. SPECIFICATIONS

Type				WALL MOUNTED				
				INVERTER HEAT PUMP				
Model name		AS*G18LFC		AS*G24LFC	AS*G30LFC			
Power source				230 V~ 50 Hz				
Available voltage range				198-264V				
Capacity	Cooling	Rated	kW	5.20	7.10	8.00		
			Btu/h	17,700	24,200	27,300		
		Min.-Max.	kW	0.9-6.0	0.9-8.0	2.9-9.0		
	Heating		Btu/h	3,100-20,500	3,100-27,300	9,900-30,700		
		Rated	kW	6.30	8.00	8.80		
			Btu/h	21,500	27,300	30,000		
	Heating	Min.-Max.	kW	0.9-9.1	0.9-10.6	2.2-11.0		
			Btu/h	3,100-31,000	3,100-36,200	7,500-37,600		
			Btu/h	3,100-31,000	3,100-36,200	7,500-37,600		
Input power	Cooling	Rated	kW	1.52	2.20	2.49		
		Min.-Max.		0.09-2.07	0.30-3.07	0.58-3.87		
	Heating	Rated	1.71	2.21	2.44			
		Min.-Max.	0.09-2.87	0.28-4.21	0.50-4.33			
Current	Cooling	Rated	A	6.8	9.7	10.9		
	Heating			7.6	9.7	10.7		
EER	Cooling		kW/kW	3.42	3.23	3.21		
COP	Heating			3.68	3.61	3.61		
Sensible capacity		Cooling		kW	3.45	5.25		
Power factor	Cooling		%	97	99	99		
	Heating			98	99	99		
Moisture removal			l/h (pints/h)	2.6(4.6)	2.7(4.8)	3.2(5.6)		
Maximum operating current *	Cooling	Max.	A	9.0	13.5	17.0		
	Heating			12.5	18.5	19.0		
Fan	Airflow rate	Cooling	High	900	1120	1100		
			Med	740	900	900		
			Low	620	740	740		
		Heating	Quiet	550	580	620		
			High	900	1120	1150		
			Med	740	900	900		
	Type × Q'ty	Motor output	W	m³/h	620	740	740	
					Low	620	740	740
					Quiet	550	580	620
					Quiet	550	580	620
				Cross flow fan × 1				
Sound pressure level	Cooling	High	dB (A)	42	65	42		
				Med	43	49	48	
				Low	37	42	42	
				Quiet	33	37	37	
	Heating	High	dB (A)	26	32	33		
				Med	42	48	49	
				Low	37	42	42	
				Quiet	33	37	37	
				25	32	33		
Heat exchanger type	Dimensions (H × W × D)		mm	Main : 378 × 832 × 26.6 Sub : 84 × 832 × 13.3				
	Fin pitch			Main : 1.2, Sub : 1.4				
	Rows × stages		Main : 2 × 18, Sub : 1 × 4					
	Pipe type		Copper					
	Fin type		Aluminium					
Enclosure	Material			Polystyrene				
	Colour			White				
Dimensions (H × W × D)	Net		mm	Approximate colour of MUNSELL N9.25/ 320 × 998 × 238				
	Gross			329 × 1090 × 420				
Weight	Net		kg	14				
	Gross			18				
Connection pipe	Size	Liquid	mm	Ø 6.35 (Ø 1/4 in.)	Ø 6.35 (Ø 1/4 in.)	Ø 9.52 (Ø 3/8 in.)		
		Gas		Ø 12.70 (Ø 1/2 in.)	Ø 15.88 (Ø 5/8 in.)	Ø 15.88 (Ø 5/8 in.)		
Method				Flare				
Operation range	Cooling	°C		18 to 32				
		%RH		80 or less				
	Heating	°C		30 or less				
Remote controller type				Wireless				
Drain hose	Material			PVC				
	Size			Ø 12 (I.D.), Ø 16 (O.D.)				

NOTES:

- Specifications are based on the following conditions:
Cooling : Indoor temperature of 27 °CDB/19 °CWB and outdoor temperature of 35 °CDB/24 °CWB
Heating : Indoor temperature of 20 °CDB/15 °CWB and outdoor temperature of 7 °CDB/6 °CWB
Pipe length : 5 m, Height difference : 0 m (Outdoor unit-Indoor unit)
- The protective function might work when using it in environment out of the temperature range mentioned above.
- * : The maximum current is the maximum value when operated within the operation range.

Model name				AS*G18LFC(A)	AS*G24LFC(C)	AS*G30LFC(A)
Energy efficiency class	Cooling			A++	A++	A+
	Heating (Average)			A	A	A
Pdesign	Cooling	kW	5.2 (35 °C)	7.1 (35 °C)	8.0 (35 °C)	
	Heating (Average)		5.9 (-10 °C)	7.1 (-10 °C)	8.0 (-10 °C)	
SEER	Cooling	kWh/kWh	6.94	6.11	5.69	
SCOP	Heating (Average)		3.87	3.80	3.80	
Annual energy consumption	QCE		262	406	492	
	QHE (Average)		2130	2610	2941	
Sound power level	Cooling	High	dB (A)	58	64	64
	Heating			58	64	64