

1. Specifications

Type				Wall mounted										
				Inverter heat pump										
Model name				ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE							
Power supply				230 V ~ 50 Hz										
Available voltage range				198—264 V										
Capacity	Cooling	Rated	kW	2.00	2.50	3.40	4.00							
			Btu/h	6,800	8,500	11,600	13,600							
		Min.—Max.	kW	0.5—3.0	0.5—3.2	0.9—3.9	0.9—4.4							
			Btu/h	1,700—10,200	1,700—10,900	3,100—13,300	3,100—15,000							
	Heating	Rated	kW	3.00	3.20	4.00	5.00							
			Btu/h	10,200	10,900	13,600	17,000							
		Min.—Max.	kW	0.5—3.4	0.5—4.0	0.9—5.3	0.9—6.0							
			Btu/h	1,700—11,600	1,700—13,600	3,100—18,000	3,100—20,400							
Input power	Cooling	Rated	kW	0.465	0.65	0.97	1.135							
				Min.—Max.	0.25—1.29	0.25—1.29	0.25—1.40	0.25—1.98						
	Heating	Rated	kW	0.685	0.730	1.02	1.365							
				Min.—Max.	0.25—1.63	0.25—1.63	0.25—1.98	0.25—2.32						
	Fan	HIGH	MED	LOW	QUIET	W	30	32						
							20	23						
							10	12						
							4	6						
	Current	Cooling	Rated	A	2.5	3.2	4.6	5.3						
					Heating	3.3	3.5	4.8	6.3					
EER	Cooling	kW/kW		4.30	3.85	3.50	3.52							
COP	Heating	kW/kW		4.38	4.38	3.92	3.66							
Sensible capacity	Cooling	kW		1.2	1.6	2.2	3.2							
Power factor	Cooling	%		81	88	91	93							
	Heating	%		90	90	92	94							
Moisture removal			L/h (pints/h)	1.0 (1.8)	1.3 (2.3)	1.8 (3.2)	2.1 (3.7)							
Maximum operating current *1	Cooling	A		6.0	6.0	6.5	9.0							
	Heating	A		7.5	7.5	9.0	10.5							
Fan	Airflow rate	Cooling	HIGH	MED	LOW	QUIET	m ³ /h	750	770					
								640	680					
								480	530					
								310	360					
		Heating	HIGH	MED	LOW	QUIET	m ³ /h	750	770					
								640	680					
								520	560					
								330	380					
	Type × Q'ty	Cross flow fan × 1												
	Motor output	W		30										
Sound pressure level *2	Cooling	HIGH	MED	LOW	QUIET	dB (A)	43	44						
							40	40						
							32	33						
							21	25						
	Heating	HIGH	MED	LOW	QUIET	dB (A)	43	44						
							38	40						
							33	35						
							22	27						
							Heat exchanger type	Dimensions (H × W × D)		mm	Main: 320 × 630 × 20 Sub: 84 × 630 × 13.3			
								Fin pitch			Man: 1.1, Sub: 1.4			
Rows × Stages		Main: 2 × 20, Sub: 1 × 4												
Pipe type		Copper tube												
Fin type		Aluminum												
Enclosure	Material		Polystyrene											
	Color		White + Pearl white (painted) Approximate color of Munsell N 9.25/											
Dimensions (H × W × D)	Net	mm	270 × 870 × 204											
	Gross		270 × 925 × 336											
Weight	Net	kg	8.5											
	Gross		11											
Connection pipe	Size	Liquid	mm (in)	Ø 6.35 (Ø 1/4)										
		Gas		Ø 9.52 (Ø 3/8)		Ø 12.7 (Ø 1/2)								
	Method	Flare												
Drain hose	Material		PP+LLDPE											
	Size		mm	Ø 13.8 (I.D.), Ø 15.8 to Ø 16.7 (O.D.)										
Operation range	Cooling	°C		18 to 32										
		%RH		80 or less										
Remote controller type	Heating	°C		16 to 30										
		Wireless (Wired [option])												

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. (Between outdoor unit and indoor unit.)
- Protective function might work when using it outside the operation range.
- *1: Maximum current is maximum value when operated within the operation range.
- *2: Sound pressure level:
 - Measured values in manufacturer's anechoic chamber.
 - Because of the surrounding sound environment, the sound levels measured in actual installation conditions might be higher than the specified values here.

Model name			ASYG07LMCE	ASYG09LMCE	ASYG12LMCE	ASYG14LMCE
Energy efficiency class	Cooling		A ⁺⁺	A ⁺⁺	A ⁺⁺	A ⁺⁺
	Heating (Average)		A ⁺	A ⁺	A ⁺	A ⁺
Pdesign	Cooling	kW	2.0 (35 °C)	2.5 (35 °C)	3.4 (35 °C)	4.0 (35 °C)
	Heating (Average)		2.3 (-10 °C)	2.4 (-10 °C)	3.5 (-10 °C)	3.9 (-10 °C)
SEER	Cooling	kWh/kWh	6.80	7.00	7.00	6.90
SCOP	Heating (Average)		4.10	4.10	4.00	4.00
Annual energy consumption	QCE		103	125	170	203
	QHE (Average)		786	820	1,225	1,365
Sound power level	Cooling	HIGH	dB (A)	59	59	59
	Heating			59	59	59