

3. SPECIFICATIONS

Type				DUCTED MODEL				
				INVERTER HEATPUMP				
Model name				AR*G12LLTB	AR*G14LLTB	AR*G18LLTB		
Power source				230V ~ 50Hz				
Available voltage range				198 - 264V ~ 50Hz				
Capacity	Cooling	Rated	kW	3.50	4.30	5.20		
		Min - Max	Btu/h	11950	14650	17700		
			kW	0.90 - 4.40	0.90 - 5.40	0.90 - 5.90		
	Heating	Rated	Btu/h	3100 - 15000	3100 - 18400	3100 - 20100		
			kW	4.10	5.00	6.00		
		Min - Max	kW	0.90 - 5.70	0.90 - 6.50	0.90 - 7.50		
Input power	Cooling	Rated	kW	1.05	1.33	1.62		
		Max		1.70	2.04	2.04		
	Heating	Rated		1.11	1.34	1.66		
		Max		2.26	2.83	2.83		
Current	Cooling	Rated	A	4.8	6.1	7.2		
	Heating		5.1	6.1	7.4			
EER	Cooling	kW / kW	3.33	3.21	3.21			
COP	Heating		3.69	3.71	3.61			
Moisture removal			l/h (pints/h)	1.3 (2.3)	1.5 (2.6)	2.0 (3.5)		
Maximum operating current *	Cooling	A	7.5	9.0	9.0			
	Heating		10.0	12.5	12.5			
Fan	Airflow rate	Cooling	High	650	800	940		
			Med	600	700	880		
			Low	550	600	820		
		Heating	Quiet	480	480	750		
			High	650	800	940		
			Med	600	700	880		
	Type × Q'ty	m³/h	Low	550	600	820		
			Quiet	480	480	750		
			Sirocco × 2			Sirocco × 3		
			Motor output			W		
Recommended static pressure			Pa	0 to 90				
Sound pressure level	Cooling	dB (A)	High	29	32	32		
			Med	28	30	30		
			Low	26	28	29		
			Quiet	25	26	27		
	Heating	dB (A)	High	29	32	32		
			Med	28	30	30		
			Low	26	28	29		
			Quiet	24	25	27		
Heat exchanger type	Dimensions (H × W × D)		mm	294 × 500 × 39.9		294 × 700 × 39.9		
	Fin pitch			1.3				
	Rows × Stages			3 × 14				
	Pipe type			Copper tube				
Fin type		Aluminium						
Enclosure		Material		GALVANIZED STEEL SHEET				
Colour		—						
Dimensions (H × W × D)	Net		mm	198 × 700 × 620		198 × 900 × 620		
	Gross			276 × 968 × 772		276 × 1168 × 772		
Weight	Net		kg	19		23		
	Gross			23		27		
Connection pipe	Size	Liquid	mm	Ø6.35 (Ø1/4 in.)				
		Gas		Ø9.52 (Ø3/8 in.)	Ø12.7 (Ø1/2 in.)			
Method		Flare						
Operation range	Cooling	°C	18 to 32					
		%RH	80 or less					
	Heating	°C	16 to 30					
Remote controller type		Wired [Wireless (option)]						
Drain hose	Material		HARD PVC					
	Size		mm					
		Ø25(I.D.), Ø32(O.D.)						

Note :
 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.
 Standard static pressure : 25Pa
 Pipe length : 5 m, Height difference : 0 m.(Outdoor unit - Indoor unit)
 Sound pressure level : Install a 2m duct to the outlet port and a 1m duct to the suction point and measure.
 The maximum current is the maximum value when operated within the operation range.
 The protective function might work when using it outside the operation range.

Model name		AR*G12LLTB	AR*G14LLTB	AR*G18LLTB		
Energy efficiency class	Cooling	A+	A+	A++		
	Heating (Average)	A+	A	A+		
Pdesign	Cooling	kW	3.5(35°C)	4.3(35°C)	5.2(35°C)	
	Heating (Average)		4.2(-10°C)	4.5(-10°C)	5.2(-10°C)	
SEER	Cooling	kWh/kWh	5.90	5.80	6.20	
SCOP	Heating (Average)		4.00	3.90	4.10	
Annual energy consumption	QCE	kWh/a	207	259	293	
	QHE (Average)		1467	1614	1774	
Sound power level	Cooling	High	dB (A)	58	60	58
	Heating			58	60	58