

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	Min - Max	Btu/h	3100 - 15000	3100 - 18400	3100 - 20100	
			kW	4.10	5.00	6.00	
		Rated	Btu/h	14000	17050	20500	
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
	Heating	Max	2.26	2.83	2.83		
		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	Motor output	High	m³/h	550	600	820
			Med		480	480	750
			Low		550	600	820
			Quiet		480	480	750
Type × Q'ty				Sirocco × 2		Sirocco × 3	
Motor output			W	81		96	
Recommended static pressure			Pa	0 to 90			
Sound pressure level	Cooling	High	dB (A)	29	32	32	
		Med		28	30	30	
		Low		26	28	29	
		Quiet		25	26	27	
	Heating	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