

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	High	480	480	750
			Med	650	800	940
			Low	600	700	880
	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
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