

1. Specification

Buyer Model Factory Model	Set (Indoor / Outdoor)		Unit	AB24BK.SSK (AB24BK.NSK / AB24BK.U24)		
				S3-N64K2MM.A.EAR.GEEU / S3N64K2MM.A.EAR.GEEU / S3UM24K2MM.A.EAR.GEEU		
Capacity	Cooling	Min – Rated – Max	kW	0.90	6.60	7.42
			Btu/h	3,071	22,520	25,318
	Cooling (T3)	Min – Rated – Max	kJ/h	-	-	-
			kcal/h	774	5,674	6,377
	Heating	Min – Rated – Max	kW	-	-	-
			Btu/h	-	-	-
	Heating	Min – Rated – Max	kW	0.90	7.50	8.64
			Btu/h	3,071	25,591	29,481
	Heating	Min – Rated – Max	kJ/h	-	-	-
			kcal/h	774	6,449	7,428
Heating -7°C	Max	kW	-	-	-	
		W	210	2,164	2,500	
Power Input	Cooling	Min – Rated – Max	W	-	-	
	Cooling (T3)	Min – Rated – Max	W	-	-	
	Heating	Min – Rated – Max	W	210	2,238	
Running Current	Cooling	Min – Rated – Max	A	1.20	9.80	
	Cooling (T3)	Min – Rated – Max	A	-	-	
	Heating	Min – Rated – Max	A	1.20	10.00	
EER			W/W	3.05	-	
			(Btu/h)/W	10.41	-	
EER (T3)			(kJ/h)/W	-	-	
			W/W	-	-	
SEER			(Btu/h)/W	-	-	
				6.90	-	
COP			W/W	3.35	-	
			(Btu/h)/W	11.44	-	
SCOP				-	4.30	
			kW	6.6 / 5	-	
P design C / P design H			kW	6.6 / 5	-	
Energy Label Grade	Cooling / Heating			A++ / A+	-	
Annual Energy Consumption	Cooling / Heating		kWh/year	355 / 1628	-	
Weighted EER			(Btu/h)/W	-	-	
Power Supply			W/W	-	-	
			Ø, V, Hz	1,220-240, 50	-	
Available Voltage Range			V	187 – 276	-	
Power Factor	Cooling / Heating		%	97 / 97	-	
Moisture Removal			l/h	2.50	-	
Indoor	Air Flow Rate	Cooling, SH / H / M / L	m ³ /min	18.3 / 16.7 / 13.1 / 10.5	-	
		Heating, SH / H / M / L	m ³ /min	19.8 / 17.6 / 14.3 / 11.0	-	
	Sound Pressure Level	Cooling, SH / H / M / L / SL	dB(A)	49 / 47 / 42 / 34 / 31	-	
		Heating, SH / H / M / L	dB(A)	50 / 47 / 42 / 34	-	
	Sound Power Level		dB(A)	65	-	
				65	-	
	Dimensions (W x H x D)	Net	mm	998 x 345 x 212	-	
		Shipping	mm	1053 x 424 x 278	-	
	Weight	Net	kg	13.1	-	
		Shipping	kg	16.2	-	
Exterior Color Code				RAL 9003	-	
Outdoor	Air Flow Rate	Max	m ³ /min	49.0	-	
				49.0	-	
	Fan Motor Speed	Cooling, Min – Max	rpm	190 – 850	-	
		Heating, Min – Max	rpm	190 – 850	-	
	Sound Pressure Level	Cooling, Rated	dB(A)	54	-	
		Heating, Rated	dB(A)	57	-	
	Sound Power Level		dB(A)	70	-	
				70	-	
	Dimensions (W x H x D)	Net	mm	870 x 650 x 330	-	
		Shipping	mm	1026 x 683 x 446	-	
Weight	Net	kg	46.0	-		
	Shipping	kg	50.0	-		
Max Fuse Size			A	20	-	
Exterior Color Code				Munsell 9.54Y 8.34/1.31 (RAL 9001)	-	
Operation Range	Cooling	°C DB	-15 – 48	-		
	Heating	°C DB	-10 – 24	-		
	Heating	°C WB	-10 – 18	-		
Circuit Breaker			A	25	-	
Power Supply Cable			No. x mm ²	3 x 2.5	-	
Power Supply to Unit				Outdoor	-	
Power and Communication Cable			No. x mm ²	4 x 1	-	
Piping	Size	Liquid	mm	Ø6.35	-	
		Gas	mm	Ø 15.88	-	
Connections Method				Flared / Flared	-	
Drain Hose Size			O.D, I.D	21.5, 16	-	
Between Indoor & Outdoor	Piping Length	Min / Standard / Max	m	3 / 7.5 / 30	-	
	Max. Elevation Difference	No Charge	m	7.5	-	
Refrigerant	Piping Connection Heat Insulation			Both liquid and gas pipes	-	
		Type		R32	-	
	Pre Charge	kg	1.10	-		
	Additional Charge	g/m	20	-		
	Control		Electronic Expansion Valve	-		
	Global Warning Potential		675	-		
Defrost Method				R-410A	-	
Coil Code (Chaouki)				SK / I124A	-	
Compressor	Type	Indoor / Outdoor		Twinn Rotary	-	
	Model			DKT176MAJ	-	
	Motor Type			BLDC	-	
	Oil Type / Maker			PVE (F7680) / IDEMITSU	-	
	Oil Charge	cc		470	-	
	O.L.P. Name					
Manufacturer / Country of Origin				LG Electronics / China		
Fan (Indoor)	Type			Cross Flow Fan	-	
	Motor Output	W		58	-	
Fan (Outdoor)	Type			Propeller Fan	-	
	Motor Type			BLDC	-	
	Motor Output	W		85	-	
	Motor Insulation			Class F	-	
Motor Enclosure / Ingress Protection				TEAO / IP34	-	
Heat Exchanger	Evaporator	Material, Tube / Fin		Cu / Al	-	
		[e x Row x Column x FPI x L] x Qty.	#1	(Ø7 x 2 x 16 x 20 x 744) x 1	-	
			#2	-	-	
			#3	-	-	
	Condenser	Material, Tube / Fin			PCM	-
		Corrosion Protection			SLIT	-
		Fin Type				-
		Material, Tube / Fin			Cu / Al	-
		[e x Row x Column x FPI x L] x Qty.	#1	(Ø7 x 2 x 28 x 18 x 938) x 1	-	
			#2	-	-	
Corrosion Protection			Gold	-		
Fin Type			CORRUGATE	-		

Note

- : No Relation
- For Circuit Breaker Rating, please conform to local standards whenever necessary.
- Exterior color code is approximate value.
- Due to our policy of innovation some specifications may be changed without notifications.

Conversion Formula

$$kW = \text{Btu/h} \times 0.0002931$$

$$\text{CFM} = \text{CMM} \times 35.3$$

Multi Model

Buyer Model	Indoor		Unit	AB24BK.NSK			
Factory Model				S3NM24K2MMA			
Power Supply			Ø, V, Hz	1, 220-240, 50			
Power Input	Cooling		W	60			
	Heating		W	60			
Running Current	Cooling		A	0.4			
	Heating		A	0.4			
Indoor	Air Flow Rate	H / M / L	m ³ /min	16.1 / 13.1 / 10.5			
	Sound Pressure Level	H / M / L	dB(A)	47 / 42 / 34			
	Sound Power Level			dB(A)	65		
	Dimensions (W x H x D)	Net		mm	998	345	210
		Shipping		mm	1053	424	278
	Weight	Net		kg	13.1		
Shipping		kg	16.2				
Fan(Indoor)	Type		-	Cross Flow Fan			
	Motor Output		W	60			
Piping	Size	Liquid	mm	Ø 6.35			
		Gas	mm	Ø 12.7			
Connections Method		Indoor	-	Flared			
Drain Hose Size		O.D, I.D	mm	21.5, 16.0			
Defrost Method			-	Reverse Cycle			
Tool Code (Chassis)		Indoor	-	SK			

Note:

1. Capacities are based on the following conditions:

Cooling: - Indoor Temperature 27 °C (80.6 °F) DB / 19 °C (66.2 °F) WB
 - Outdoor Temperature 35 °C (95 °F) DB / 24 °C(75.2 °F) WB

Heating: - Indoor Temperature 20 °C (68 °F) DB / 15 °C(59 °F) WB
 - Outdoor Temperature 7 °C (44.6 °F) DB / 6 °C(42.8 °F) WB

Piping Length - Interconnecting Piping Length 7.5 m
 - Level Difference of Zero

2. Wiring cable size must comply with the applicable local and national code.

3. The specification may be subject to change without prior notice for purpose of improvement.

Conversion Formula

kW = Btu/h x 0.0002931

cfm = CMM x 35.3