TOTAL HVAC SOLUTION PROVIDER ENGINEERING PRODUCT DATA BOOK



Test Condition of International Standard

CL	CLASSIFICATION		кѕс	IS 51	_	AHRI	AHAM (Window	AS/NZS		
			9306	T1	Т3	210/240	AC)	3823.1	T1	Т3
	Indoor	DB°C(°F)	27.0	27.0	29.0	26.7 (80)	26.7 (80)	27.0	27.0	29.0
Cooling	ilidool	WB°C(°F)	19.0	19.0	19.0	19.4 (67)	19.4 (67)	19.0	19.0	19.0
Capacity	Outdoor	DB°C(°F)	35.0	35.0	46.0	35.0 (95)	35.0 (95)	35.0	35.0	46.0
	Outdoor	WB°C(°F)	24.0	24.0	24.0	23.9 (75)	23.9 (75)	24.0	24.0	24.0
	Indoor	DB°C(°F)	20.0	20.0	20.0	21.1 (70)	21.1 (70)	20.0	20.0	20.0
Heating	ilidool	WB°C(°F)	15.0	15.0	15.0	15.6 (60)	15.6 (60)	15.0	15.0	15.0
Capacity	Outdoor	DB°C(°F)	7.0	7.0	7.0	8.3 (47)	8.3 (47)	7.0	7.0	7.0
	Outdoor	WB°C(°F)	6.0	6.0	6.0	6.1 (43)	6.1 (43)	6.0	6.0	6.0
	Indoor	DB°C(°F)	32.0	32.0	32.0	26.7 (80)	32.2 (90)	32.0	32.0	32.0
Maximum Cooling	ilidool	WB°C(°F)	23.0	23.0	13.0	19.4 (67)	22.8 (73)	23.0	23.0	13.0
Operating	Outdoor	DB°C(°F)	43.0	43.0	52.0	46.11 (115)	43.3 (110)	43.0	43.0	52.0
oporag	Outdoor	WB°C(°F)	26.0	26.0	31.0	23.9 (75)	25.6 (78)	26.0	26.0	31.0
	Indoor	DB°C(°F)	27.0	27.0	27.0	26.7 (80)	26.7 (80)	27.0	27.0	27.0
Maximum Heating	ilidool	WB°C(°F)	15.0	-	-	-	22.8 (73)	-	-	-
Operating	Outdoor	DB°C(°F)	21.0	24.0	24.0	23.9 (75)	23.9 (75)	24.0	24.0	24.0
oporag	Outdoor	WB°C(°F)	15.0	18.0	18.0	18.3 (65)	18.3 (65)	18.0	18.0	18.0
Enclosure	Indoor	DB°C(°F)	27.0	27.0	27.0	26.7 (80)	26.7 (80)	27.0	27.0	27.0
Sweat /	ilidool	WB°C(°F)	24.0	24.0	24.0	23.9 (75)	23.9 (75)	24.0	24.0	24.0
Condensate	Outdoor	DB°C(°F)	27.0	27.0	27.0	26.7 (80)	26.7 (80)	27.0	27.0	27.0
Disposal	Outdoor	WB°C(°F)	24.0	24.0	24.0	23.9 (75)	23.9 (75)	24.0	24.0	24.0
	Indoor	DB°C(°F)	21.0	21.0	21.0	19.4 (67)	21.1 (70)	21.0	21.0	21.0
Freeze-up / Low	1114001	WB°C(°F)	15.0	15.0	15.0	13.9 (57)	15.6 (60)	15.0	15.0	15.0
Temperature	Outdoor	DB°C(°F)	21.0	21.0	21.0	19.4 (67)	21.1 (70)	21.0	21.0	21.0
	Juluool	WB°C(°F)	15.0	-	-	13.9 (57)	15.6 (60)	-	-	-

KS: Korea Standard
ISO: International Standard Organization
AHRI: Air-Conditioning, Heating, and Refrigeration Institute
AHAM: Association of Home Appliance Manufacturers
AS/NZS: Australia and New Zealand Standard

SASO: Saudi Arabian Standards Organization

Inverter Single Wall Mounted - 50 Hz (R32)

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1. Models Line Up

1.1 Indoor Unit

Category	Picture	Chassis	Nominal Capacity (kBtu/h)	Model Name
Standard		SJ	9	PC09SC.NSJT (S3NM09JA2DB.EA6GEEU)
Standard	4	SJ	9	S09EC.NSJS (S3NM09JA3FC.EA6GEEU)
Standard	-	SJ	12	PC12SC.NSJT (S3NM12JA2DB.EA6GEEU)
Standard	4	SJ	12	S12EC.NSJS (S3NM12JA3FC.EA6GEEU)
Standard		SK	18	PC18SC.NSKT (S3NM18KL2DB.EA6GEEU)
Standard	*	SK	18	S18EC.NSKS (S3NM18KL3FC.EA6GEEU)
Standard		SK	24	PC24SC.NSKT (S3NM24K22DB.EA6GEEU)
Standard		SK	24	S24EC.NSKS (S3NM24K23FC.EA6GEEU)



1. Models Line Up

1.2 Outdoor Unit

Power Supply	Picture	Chassis	Nominal Capacity (kBtu/h)	Model Name
1 Ø , 220~240 V , 50 Hz	lg Lg	U12A	9	PC09SC.UA3T (S3UM09JA2DB.EA6GEEU)
1 Ø , 220~240 V , 50 Hz	lig Lig	U12A	9	S09EC.UA3S (S3UM09JA3FC.EA6GEEU)
1 Ø , 220~240 V , 50 Hz	lig Lig	U12A	12	PC12SC.UA3T (S3UM12JA2DB.EA6GEEU)
1 Ø , 220~240 V , 50 Hz	lg Lg	U12A	12	S12EC.UA3S (S3UM12JA3FC.EA6GEEU)
1 Ø , 220~240 V , 50 Hz	li Lig	U18A	18	PC18SC.UL2T (S3UM18KL2DB.EA6GEEU)
1 Ø , 220~240 V , 50 Hz	© LG	U18A	18	S18EC.UL2S (S3UM18KL3FC.EA6GEEU)
1 Ø , 220~240 V , 50 Hz	LG	U24A	24	PC24SC.U24T (S3UM24K22DB.EA6GEEU)
1 Ø , 220~240 V , 50 Hz	LG	U24A	24	S24EC.U24S (S3UM24K23FC.EA6GEEU)

2. Nomenclature

Model Name	s	4	-	W	1	2	J	L	1	Υ	1
No.	1	2	3	4	5	6	7	8	9	10	11

No.	Signification
1	Product Type S : Split
2	Refrigerant 2: R22 3: R32 4: R410A
3	Supply Type -: Set N: Indoor Unit U: Outdoor Unit A: C/SKD Indoor Unit B: C/SKD Outdoor Unit M: Mock-Up
4	Model Type C: Cooling Only H: Heat Pump Q: DC Inverter Cooling Only W: DC Inverter Heat Pump M: Single and Multi Compatible
5, 6	Capacity Ex) 12 : 12,000 Btu/h
7	Indoor Unit Platform 2: S2
8	Outdoor Unit Platform A: UA3 E: UE L: UL2 P: UE1+ 2: U24A D: UD 4: U4

N1 .					0'	6 1 41				
No.					Signi	ficatio	n			
9	Look &	_	_							
	Platform	Loo Col			Look Nam	Look Name		Description		
		F		Artco				ror Black		
	SA	1 2		R Lo					ransparent)	
	SJ		3 4 5 Q		i-R Look			ite Panel (S ite Panel	liver Deco)	
	SK				E Look Semi-R Look			iite Panel (R	Ped Deco)	
					i-R Look			ite Panel (G		
		c			ok			ite Panel (2		
		F	•	E Lo	ok		Wh	ite Panel (2	LED, Matt)	
	SM	N			ng Panel			ite Panel		
		1		R Lo					ransparent)	
	SM	2			i-R Look			ite Panel (S	Silver Deco)	
	SM+	3 W		E Lo	ok rkiss R			ite Panel	VIII- Dana)	
	S2	"			rkiss R rkiss R			ite Panel (V ite Panel (B		
		l v			kiss R			ite Panel (S		
		5	_	E Lo			_	ite Panel		
	SW	6	.		i-R Look		Wh	ite Panel (S	Silver Deco)	
	SH	G		E Lo				nite Panel (2LED)		
		F	_	E Lo			White Panel (2LED, Matt) White Panel (Silver Deco) White Panel			
	SV	3		Sem E Lo	i-R Look					
		1	_	E LO	OK		White Panel			
	S3				-			ito i diloi		
		l w	/		-		Wh	ite Panel (L	ighting)	
10	Functio		/		-		Wh	ite Panel (L	ighting)	
10	Functio Modu	n		flow	- Wi-Fi	Additio Filter	nal	ite Panel (L Gen Mode	Function	
10		n le	Air	flow	Wi-Fi		nal	,	Function Digit	
10	Modu	n le	Air			Filter	nal	,	Function Digit A	
10	Modu	n le	Air		Wi-Fi		nal	Gen Mode	Function Digit A 3 W	
10	Modu	n le	Air 2v	vay	Wi-Fi	Filter	nal	,	Function Digit A 3 W	
10	Modu	n le	Air 2v		Wi-Fi	Filter	nal	Gen Mode	Function Digit A 3 W	
10	Modu	n le	Air 2v 4v	vay	Wi-Fi O	Filter	nal	Gen Mode	Function Digit A 3 W Q B F	
10	Modu	n le	Air 2v 4v	vay	Wi-Fi	Filter O	nal	Gen Mode	Function Digit A 3 W Q Q B F V	
10	Modu	n le	Air 2v 4v	vay	Wi-Fi O	Filter O	nal	Gen Mode	Function Digit A 3 W Q B F V 4 R Z	
10	Modu	n le	Air 2v 4v	vay	Wi-Fi O O O	O O	nal	Gen Mode	Function Digit A 3 W Q B F V 4 R Z S	
10	Modu	n le	Air 2v 4v	vay	0 0 0 0	Filter O	nal	Gen Mode	Function Digit A 3 W Q B F V 4 R Z S P	
10	Modu	n le	Air 2v 4v	vay	0 0 0	Filtel O O O O O	nal	Gen Mode	Function Digit A 3 W Q B F V 4 R Z S S P J	
10	Modu	n lle	4v 4v	vay	0 0 0 0	Filtel O O O O O O O	nal	Gen Mode	Function Digit A 3 W Q B F V 4 R Z S P J K	
10	Modu	n lle	Air 2v 4v 2v 2v 2v	vay vay vay	0 0 0 0 0	Filtel O O O O O	nal	Gen Mode	Function Digit A 3 W Q B F V 4 R Z S P J K E	
10	Modu	n lle	Air 2v 4v 2v 2v 2v	vay vay vay vay	0 0 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	nal	Gen Mode	Function Digit A 3 W Q B F V 4 R Z S S P J T K K E E	
10	Modu	n lle	Air 2v 4v 2v 2v 2v	vay vay vay	0 0 0 0 0	Filtel O O O O O O O	nal	Gen Mode	Function Digit A 3 W Q B F V 4 R Z S P J K E	
10	Modu	n lle	Air 2v 4v 2v 2v 2v	vay vay vay	0 0 0 0 0 0	O O O O O O O O O O O O O O O O O O O	nal	Gen Mode O O O	Function Digit A 3 W Q B F V 4 R Z S P J K E 7 6 2 5	
10	Modu None	n lle	Air 2v 4v 2v 4v 4v	vay vay vay vay	0 0 0 0 0 0	Filter	nal	Gen Mode O	Function Digit A 3 W Q B F V 4 R Z S S P J T K E 7 6 2 5 8	
10	Modu	n lle	Air 2v 4v 2v 4v 4v	vay vay vay	0 0 0 0 0 0 0	O O O O O O O O O O O O O O O O O O O	nal	Gen Mode O O O	Function Digit A 3 W Q B B F V 4 R Z S S T K E 7 6 2 5 8 N	
10	Modu None	n lle	Air 2v 4v 2v 4v 4v	vay vay vay vay	0 0 0 0 0 0	O O O O O O O O O O O O O O O O O O O	nal	Gen Mode O O O	Function Digit A 3 W Q B F V 4 R Z S S P J T K E 7 6 2 5 8	

Buyer Model				PC09SC.SSJ	T (PC09SC.NSJT / PC	C09SC.UA3T)		
Factory Model	Set ((Indoor / Outdoor)	Unit	S3-M09JA2DB.E S3	A6GEEU (S3NM09JA UM09JA2DB.EA6GEI	A2DB.EA6GEEU / EU)		
			kW	0.890	2.500	3.700		
	Cooling	Min ~ Rated ~ Max	Btu/h	3,039	8,536	12,633		
			kJ/h	-	-	-		
	Cooling (T3)	Min ~ Rated ~ Max	kW	-	-	-		
Capacity	555g (1.5)	Time Factor Times	Btu/h	-	-	-		
			kW	0.890	2.800	4.100		
	Heating	Min ~ Rated ~ Max	Btu/h	3,039	9,554	13,990		
	114: 700	Mari	kJ/h	-	-	-		
	Heating -7°C	Max	kW	000	2.600	4 400		
Davena lancet	Cooling (T2)	Min ~ Rated ~ Max	W	200	656	1,400		
Power Input	Cooling (T3)	Min ~ Rated ~ Max	W	195	620	1,600		
	Heating	Min ~ Rated ~ Max Min ~ Rated ~ Max	A	1.10	3.30	6.00		
Dunning Current	Cooling (T2)	Min ~ Rated ~ Max	A		3.30	-		
Running Current	Cooling (T3) Heating	Min ~ Rated ~ Max	A	1.10	2.80	7.00		
	пеанну	IVIII1 ~ Rateu ~ IVIAX	WW	1.10	3.81	7.00		
EER			(Btu/h)/W		13.01			
LLIX			(kJ/h)/W		-			
			W/W		<u> </u>			
EER (T3)			(Btu/h)/W		-			
SEER			(Dta/11)/ VV		7			
<u>~</u> `			WW		4.52			
COP			(Btu/h)/W		15.41			
			(kJ/h)/W		-			
SCOP			-		4			
P design C / P de	sian H		kW		2.5 / 2.5			
Energy Label Gra		Cooling / Heating	-		A++ / A+			
Annual Energy Co		Cooling / Heating	kWh/year		125 / 875			
		1	(Btu/h)/W		-			
Weighted EER			` W/W		-			
Power Supply			Ø, V, Hz		1, 220~240, 50			
Available Voltage	e Range		V		187~276			
Power Factor		Cooling / Heating	%		93.0 / 94.0			
Moisture Remova	1		l/h		1.10			
	Air Flow Rate	Cooling, SH/H/M/L	m³/min		12.5 / 10.0 / 7.5 / 4.2			
	All How Nate	Heating, SH/H/M/L	m³/min		13.0 / 10.0 / 7.2 / 5.6			
	Sound Pressure Level	Cooling, SH/H/M/L/SL	dB(A)		45 / 41 / 35 / 27 / 19			
		Heating, SH/H/M/L	dB(A)		45 / 41 / 35 / 27			
Indoor	Sound Power Level		dB(A)		59			
indoor	Dimensions (W×H×D)	Net	mm		837 x 308 x 189			
	(VV × H × D)	Shipping	mm		880 x 380 x 240			
	Weight	Net	kg		8.7			
	•	Shipping	kg		10.8			
	Exterior Color Code	1	-	Muns	ell 7.5BG 10/2 (RAL !	9016)		
	Air Flow Rate	Max	m³/min		27.0			
	Fan Motor Speed	Cooling, Min ~ Max	rpm		230 ~ 1000			
		Heating, Min ~ Max	mm -ID(A)		230 ~ 1000			
	Sound Pressure Level	Cooling, Rated	dB(A)		48			
	Cound Dougs Lavel	Heating, Rated	dB(A)		50 -			
	Sound Power Level	Net	dB(A)		717 x 495 x 230			
	l hindiaolia	Shipping	mm mm		830 x 540 x 390			
Outdoor	I(VV × H × I))		111111					
Outdoor	Dimensions (W×H×D)				25.2			
Outdoor	(W×H×D) Weight	Net	kg		25.2 26.8			
Outdoor	Weight		kg kg		26.8			
Outdoor	Weight Max. Fuse Size	Net	kg	Muncall	26.8 15	J 9001)		
Outdoor	Weight	Net Shipping	kg kg A	Munsell	26.8 15 9.54Y 8.34/1.31 (RA	L 9001)		
Outdoor	Weight Max. Fuse Size Exterior Color Code	Net Shipping	kg kg A - °C DB	Munsell	26.8 15 9.54Y 8.34/1.31 (RA -10 ~ 48	L 9001)		
Outdoor	Weight Max. Fuse Size	Net Shipping Cooling Heating	kg kg A - °C DB °C DB	Munsell	26.8 15 9.54Y 8.34/1.31 (RA -10 ~ 48 -15 ~ 24	L 9001)		
	Weight Max. Fuse Size Exterior Color Code	Net Shipping	kg kg A - °C DB °C DB °C WB	Munsell	26.8 15 9.54Y 8.34/1.31 (RA -10 ~ 48 -15 ~ 24 -15 ~ 18	L 9001)		
Circuit Breaker	Weight Max. Fuse Size Exterior Color Code Operation Range	Net Shipping Cooling Heating	kg kg A - °C DB °C DB	Munsell	26.8 15 9.54Y 8.34/1.31 (RA -10 ~ 48 -15 ~ 24 -15 ~ 18 15	L 9001)		
Circuit Breaker Power Supply to 1	Weight Max. Fuse Size Exterior Color Code Operation Range Unit	Net Shipping Cooling Heating	kg kg A A C DB C WB A	Munæll	26.8 15 9.54Y 8.34/1.31 (RA -10 ~ 48 -15 ~ 24 -15 ~ 18 15 Outdoor	L 9001)		
Circuit Breaker Power Supply to 1	Weight Max. Fuse Size Exterior Color Code Operation Range Unit	Net Shipping Cooling Heating Heating	kg kg A	Munsell	26.8 15 9.54Y 8.34/1.31 (RA -10 ~ 48 -15 ~ 24 -15 ~ 18 15 Outdoor 4 x 1	L 9001)		
Circuit Breaker Power Supply to I Power and Comm	Weight Max. Fuse Size Exterior Color Code Operation Range Unit	Net Shipping Cooling Heating Heating Liquid	kg A - °C DB °C DB °C WB A No. × mm² mm	Munsell	26.8 15 9.54Y 8.34/1.31 (RA -10 ~ 48 -15 ~ 24 -15 ~ 18 15 Outdoor 4 x 1 Ø 6.35	L 9001)		
Circuit Breaker Power Supply to I Power and Comm	Weight Max. Fuse Size Exterior Color Code Operation Range Unit nunication Cable Size	Net Shipping Cooling Heating Heating Liquid Gas	kg kg A	Munsell	26.8 15 9.54Y 8.34/1.31 (RA -10 ~ 48 -15 ~ 24 -15 ~ 18 15 Outdoor 4 x 1 Ø 6.35 Ø 9.52	L 9001)		
Circuit Breaker Power Supply to I Power and Comm Piping	Weight Max. Fuse Size Exterior Color Code Operation Range Unit	Net Shipping Cooling Heating Heating Liquid Gas Indoor / Outdoor	kg A - °C DB °C DB °C WB A - No. × mm² mm mm -	Munsell	26.8 15 9.54Y 8.34/1.31 (RA -10 ~ 48 -15 ~ 24 -15 ~ 18 15 Outdoor 4 x 1 Ø 6.35 Ø 9.52 Flared / Flared	L 9001)		
Circuit Breaker Power Supply to I Power and Comm	Weight Max. Fuse Size Exterior Color Code Operation Range Unit nunication Cable Size Connections Method	Net Shipping Cooling Heating Heating Liquid Gas Indoor / Outdoor O.D, I.D	kg A °C DB °C DB °C WB A No. × mm² mm mm - mm	Munsell	26.8 15 9.54Y 8.34/1.31 (RA -10 ~ 48 -15 ~ 24 -15 ~ 18 15 Outdoor 4 x 1 Ø 6.35 Ø 9.52 Flared / Flared 21.5,16	L 9001)		
Circuit Breaker Power Supply to I Power and Comm Piping Drain Hose Size	Weight Max. Fuse Size Exterior Color Code Operation Range Unit nunication Cable Size	Net Shipping Cooling Heating Heating Liquid Gas Indoor / Outdoor O.D. I.D Min / Standard / Max	kg kg A - °C DB °C DB °C WB A - No. × mm² mm mm mm	Munsell	26.8 15 9.54Y 8.34/1.31 (RA -10 ~ 48 -15 ~ 24 -15 ~ 18 15 Outdoor 4 x 1 Ø 6.35 Ø 9.52 Flared / Flared 21.5,16 3/7.5/15	L 9001)		
Circuit Breaker Power Supply to I Power and Comm	Weight Max. Fuse Size Exterior Color Code Operation Range Unit nunication Cable Size Connections Method	Net Shipping Cooling Heating Heating Liquid Gas Indoor / Outdoor O.D. I.D Min / Standard / Max No Charge	kg A °C DB °C DB °C WB A No. × mm² mm mm - mm	Munæll	26.8 15 9.54Y 8.34/1.31 (RA -10 ~ 48 -15 ~ 24 -15 ~ 18 15 Outdoor 4 x 1 Ø 6.35 Ø 9.52 Flared / Flared 21.5,16	L 9001)		

- -: No Relation
- All power supply and communication cables and circuit breaker must comply with applicable local and national codes.
 Exterior color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.

- It is difficult to measure air flowrate of seep because of shall values.
 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases.
- Some specifications may be changed without notifications due to our policy of innovation
- Test conditions are based on EN 14511 and EN 14825.

Buyer Model				PC09SC.SSJT (PC09SC.NSJT / PC09SC.UA3T)	
Factory Model		Set (Indoor / Outdoor)	Unit	S3-M09JA2DB.EA6GEEU (S3NM09JA2DB.EA6GEEU / S3UM09JA2DB.EA6GEEU)	
	Type		-	R32	
	Pre Charge		kg	0.700	
Refrigerant	Additional Ch	arge	g/m	20	
renigerani	Control		-	Electronic Expansion Valve	
	Global Warmi	ng Potential	-	675	
	t-CO₂ eq		-	0.473	
Defrost Method			-	Reverse Cycle	
Tool Code (Chassi		Indoor / Outdoor	-	SJ/U12A	
	Type		-	Twin Rotary	
	Model		-	DST102MAA	
	Motor Type		-	BLDC	
Compressor	Oil Type / Ma	ker	-	PVE (FVC68D) / IDEMITSU	
	Oil Charge		CC	280	
	O.L.P. Name		-	-	
	Manufacturer /	Country of Origin	-	LG / China	
Fan (Indoor)	Type		-	Cross Flow Fan	
rair (iridoor)	Motor Output		W	30	
	Type		-	Propeller Fan	
	Motor Type		-	BLDC	
Fan (Outdoor)	Motor Output		W	43	
	Motor Insulation		-	ClassE	
	Motor Enclosu	re / Ingress Protection	-	TEAO / IPX4	
		Material, Tube / Fin	-	Cu / Al	
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 15 x 21 x 616.8) x 1	
		(ø x Row x Column x FPI x L) x Qty.	#2	-	
	Evaporator	(ø x Row x Column x FPI x L) x Qty.	#3	-	
		(ø x Row x Column x FPI x L) x Qty.	#4	-	
Heat Exchanger		Corrosion Protection	-	PCM	
i ical Livillatiyet		Fin Type	-	Slit	
		Material, Tube / Fin	-	-/-	
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 22 x 18 x 667) x 1	
	Condenser	(ø x Row x Column x FPI x L) x Qty.	#2	-	
		Corrosion Protection	-	Gold	
		Fin Type	-	Corrugate	

- Note

 : No Relation

 All power supply and communication cables and circuit breaker must comply with applicable local and national codes.

 Exterior color code is approximate value.

- Extenor color code is approximate value.
 It is difficult to measure air flow rate of seep because of small values.
 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases
 Some specifications may be changed without notifications due to our policy
- Test conditions are based on EN 14511 and EN 14825.

Buyer Model				S09EC.SSJS (S09EC.NSJS / S09EC.UA3S)			
Factory Model	Set	(Indoor / Outdoor)	Unit	S3-M09JA3FC.EA6GEEU (S3NM09JA3FC.EA6GEEU / S3UM09JA3FC.EA6GEEU)			
			kW	0.890	2.500	3.700	
	Cooling	Min ~ Rated ~ Max	Btu/h	3,039	8,536	12,633	
			kJ/h	-	-	-	
Conocity	Cooling (T3)	Min ~ Rated ~ Max	kW Btu/h	-	-	-	
Capacity			kW	0.890	2.800	4.100	
	Heating	Min ~ Rated ~ Max	Btu/h	3,039	9,554	13,990	
	reating	Will Falca Wax	kJ/h	-	-	-	
	Heating -7°C	Max	kW		2.600		
	Cooling	Min ~ Rated ~ Max	W	200	656	1,400	
Power Input	Cooling (T3)	Min ~ Rated ~ Max	W	-	-	-	
	Heating	Min ~ Rated ~ Max	W	195	620	1,600	
	Cooling	Min ~ Rated ~ Max	A	1.10	3.30	6.00	
Running Current		Min ~ Rated ~ Max	A	-	-	-	
	Heating	Min ~ Rated ~ Max	A	1.10	2.80	7.00	
EER			W/W (Btu/h)/W		3.81 13.01		
EEK			(kJ/h)/W		- 13.01		
			WW		-		
EER (T3)			(Btu/h)/W		-		
SEER			-		7		
			W/W		4.52		
COP			(Btu/h)/W		15.41		
			(kJ/h)/W		-		
SCOP		·	-		4		
P design C / P de		10 1: /11 1:	kW		2.5 / 2.5		
Energy Label Gra		Cooling / Heating	1104-6		A++ / A+		
Annual Energy C	onsumption	Cooling / Heating	kWh/year (Btu/h)/W		125 / 875		
Weighted EER			W/W		<u> </u>		
Power Supply			Ø, V, Hz		1, 220~240, 50		
Available Voltag	le Range		V		187~276		
Power Factor	,	Cooling / Heating	%		93.0 / 94.0		
Moisture Remova	al	,	l/h		1.10		
	Air Flow Rate	Cooling, SH/H/M/L	m³/min		12.5 / 10.0 / 7.5 / 4.2		
	All How reale	Heating, SH / H / M / L	m³/min		13.0 / 10.0 / 7.2 / 5.6		
	Sound Pressure Level	Cooling, SH/H/M/L/SL	dB(A)	45 / 41 / 35 / 27 / 19			
		Heating, SH / H / M / L	dB(A)		45 / 41 / 35 / 27		
Indoor	Sound Power Level	I Not		dB(A) 59			
	Dimensions (W×H×D)	Net Shipping	mm mm		837 x 308 x 189 880 x 380 x 240		
		Net	kg		8.7		
	Weight	Shipping	kg		10.8		
	Exterior Color Code	Chipping	-	Muna	ell 7.5BG 10/2 (RAL :	9016)	
	Air Flow Rate	Max	m³/min		27.0		
	Fan Motor Speed	Cooling, Min ~ Max	rpm		230 ~ 1000		
	r arr iviolor Speed	Heating, Min ~ Max	rpm		230 ~ 1000		
	Sound Pressure Level	Cooling, Rated	dB(A)		48		
		Heating, Rated	dB(A)		50		
	Sound Power Level	LNIst	dB(A)		- 717 v 105 v 220		
Outdoor	Dimensions (W×H×D)	Net	mm		717 x 495 x 230		
Outdoor		Shipping Net	mm ka		830 x 540 x 390 25.2		
	Weight	Shipping	kg kg		26.8		
	Max. Fuse Size	Louiphing	Ä		15		
	Exterior Color Code		-	Munæll	9.54Y 8.34/1.31 (RA	L 9001)	
		Cooling	°C DB		-10 ~ 48	,	
	Operation Range	Heating	°C DB		-15 ~ 24		
		Heating	°C WB		-15 ~ 18		
Circuit Breaker		<u> </u>	A		15		
Power Supply to			-		Outdoor		
Power and Comn	nunication Cable	I I i an utal	No. × mm²		4 x 1		
Dining	Size	Liquid	mm		ø 6.35		
Piping	Connections Method	Gas	mm -		ø 9.52 Flared / Flared		
p9		Indoor / Outdoor	_		Flaieu / Flaieu		
Drain Hose Size		O.D, I.D Min / Standard / Max	mm m		21.5,16 3 / 7 5 / 15		
Drain Hose Size	Piping Length	Min / Standard / Max	m		3 / 7.5 / 15		
	Piping Length Max. Elevation Difference	Min / Standard / Max No Charge					

- -: No Relation
- All power supply and communication cables and circuit breaker must comply with applicable local and national codes.
 Exterior color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.

- It is difficult to measure air flowrate of seep because of shall values.
 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases.
- Some specifications may be changed without notifications due to our policy of innovation
- Test conditions are based on EN 14511 and EN 14825.

Buyer Model				S09EC.SSJS (S09EC.NSJS / S09EC.UA3S)	
Factory Model		Set (Indoor / Outdoor)	Unit	S3-M09JA3FC.EA6GEEU (S3NM09JA3FC.EA6GEEU / S3UM09JA3FC.EA6GEEU)	
	Type		-	R32	
	Pre Charge		kg	0.700	
Refrigerant	Additional Ch	arge	g/m	20	
Reliigelalii	Control		-	Electronic Expansion Valve	
	Global Warmi	ng Potential	-	675	
	t-CO₂ eq		-	0.473	
Defrost Method			-	Reverse Cycle	
Tool Code (Chassi	s)	Indoor / Outdoor	-	SJ/U12A	
	Type		-	Twin Rotary	
	Model		-	DST102MAA	
	Motor Type		-	BLDC	
Compressor	Oil Type / Ma	ker	-	PVE (FVC68D) / IDEMITSU	
	Oil Charge		CC	280	
	O.L.P. Name		-	-	
	Manufacturer .	/ Country of Origin	-	LG / China	
Fan (Indoor)	Type		-	Cross Flow Fan	
r arr (iriuoor)	Motor Output		W	30	
	Type		-	Propeller Fan	
	Motor Type		-	BLDC	
Fan (Outdoor)	Motor Output		W	43	
	Motor Insulation		-	ClassE	
	Motor Enclosu	re / Ingress Protection		TEAO / IPX4	
		Material, Tube / Fin		Qu / Al	
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 15 x 21 x 616.8) x 1	
		(ø x Row x Column x FPI x L) x Qty.	#2	-	
	Evaporator	(ø x Row x Column x FPI x L) x Qty.	#3	-	
		(ø x Row x Column x FPI x L) x Qty.	#4	-	
Hoot Evolungor		Corrosion Protection	-	PCM	
Heat Exchanger		Fin Type	-	Slit	
		Material, Tube / Fin	-	-/-	
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 22 x 18 x 667) x 1	
	Condenser	(ø x Row x Column x FPI x L) x Qty.	#2	-	
		Corrosion Protection	-	Gold	
		Fin Type	-	Corrugate	

- Note

 : No Relation

 All power supply and communication cables and circuit breaker must comply with applicable local and national codes.

 Exterior color code is approximate value.

- Extenor color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.
 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases
 Some specifications may be changed without notifications due to our policy
- Test conditions are based on EN 14511 and EN 14825.

Buyer Model				PC12SC.SS.	JT (PC12SC.NSJT / PC	C12SC,UA3T)
Factory Model	Set	(Indoor / Outdoor)	Unit	S3-M12JA2DB.E S3	A6GEEU (S3NM12JA UM12JA2DB.EA6GE	2DB.EA6GEEU /
			kW	0.890	3.500	4.040
	Cooling	Min ~ Rated ~ Max	Btu/h	3,039	11,950	13,794
			kJ/h	-	-	-
	Cooling (T3)	Min ~ Rated ~ Max	kW	-	-	-
Capacity	555g (1.5)	Time Fatou Timex	Btu/h	-	-	-
			kW	0.890	3.710	5.100
	Heating	Min ~ Rated ~ Max	Btu/h	3,039	12,659	17,414
			kJ/h	-	-	-
	Heating -7°C	Max	kW	000	3.000	4 400
	Cooling	Min ~ Rated ~ Max	W	200	1,080	1,400
Power Input	Cooling (T3)	Min ~ Rated ~ Max	W	-	-	-
	Heating	Min ~ Rated ~ Max	W	195	950	1,600
	Cooling	Min ~ Rated ~ Max	A	1.10	4.70	6.00
Running Current		Min ~ Rated ~ Max	A	-	-	-
	Heating	Min ~ Rated ~ Max	A	1.10	4.30	7.00
			WW.		3.24	
EER			(Btu/h)/W		11.06	
			(kJ/h)/W		-	
EER (T3)			WW.		-	
` '			(Btu/h)/W		-	
SEER					6.6	
000			WW.		3.91	
COP			(Btu/h)/W		13.33	
			(kJ/h)/W		-	
SCOP					4	
P design C / P de			kW		3.5 / 2.5	
Energy Label Gra		Cooling / Heating			A++ / A+	
Annual Energy C	Consumption	Cooling / Heating	kWh/year		186 / 875	
Weighted EER			(Btu/h)/W		-	
•			W/W			
Power Supply			Ø, V, Hz		1, 220~240, 50	
Available Voltage	e Range		V		187~276	
Power Factor		Cooling / Heating	%		93.0 / 94.0	
Moisture Remova	al		I/h		1.30	
	Air Flow Rate	Cooling, SH/H/M/L	m³/min		12.5 / 10.0 / 7.5 / 4.2	
	741110WTtate	Heating, SH/H/M/L	m³/min		13.0 / 10.0 / 7.2 / 5.6	
	Sound Pressure Level	Cooling, SH/H/M/L/SL	dB(A)		45 / 41 / 35 / 27 / 19	
		Heating, SH/H/M/L	dB(A)		45 / 41 / 35 / 27	
Indoor	Sound Power Level		dB(A)		59	
iridooi	Dimensions (W×H×D)	Net	mm		837 x 308 x 189	
	(W×H×D)	Shipping	mm		880 x 380 x 240	
	Weight	Net	kg		8.7	
		Shipping	kg		10.8	
	Exterior Color Code		-	Muns	ell 7.5BG 10/2 (RAL 9	9016)
	Air Flow Rate	Max	m³/min		27.0	
	Fan Motor Speed	Cooling, Min ~ Max	rpm		230 ~ 1000	
	Tarriviolor Opecu	Heating, Min ~ Max	rpm		230 ~ 1000	
	Sound Pressure Level	Cooling, Rated	dB(A)		48	
		Heating, Rated	dB(A)		50	
	Sound Power Level		dB(A)			
	Dimensions (W×H×D)	Net	mm		717 x 495 x 230	
Outdoor	(vv × H × D)	Shipping	mm		830 x 540 x 390	
	Weight	Net	kg		25.2	
		Shipping	kg		26.8	
	Max. Fuse Size		A		15	
	Exterior Color Code		-	Munæll	9.54Y 8.34/1.31 (RA	L 9001)
		Cooling	°C DB		-10 ~ 48	
	Operation Range	Heating	°C DB		-15 ~ 24	
		Heating	°C WB		-15 ~ 18	
Circuit Breaker			A		15	
Power Supply to			-		Outdoor	
Power and Comm	nunication Cable		No. × mm²		4 x 1	
	Size	Liquid	mm		ø 6.35	
	0120	Gas	mm		ø 9.52	
Piping		Indoor / Outdoor	-		Flared / Flared	
	Connections Method	Indoor / Outdoor				
Piping Drain Hose Size	Connections Method	O.D, I.D	mm		21.5,16	
Drain Hose Size		O.D, I.D Min / Standard / Max	mm m		21.5,16 3 / 7.5 / 15	
	Piping Length	O.D, I.D Min / Standard / Max No Charge			21.5,16	
		O.D, I.D Min / Standard / Max No Charge	m		21.5,16 3 / 7.5 / 15	

- -: No Relation
- All power supply and communication cables and circuit breaker must comply with applicable local and national codes.
 Exterior color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.

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 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases.
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- Test conditions are based on EN 14511 and EN 14825.

Buyer Model				PC12SC.SSJT (PC12SC.NSJT / PC12SC.UA3T)
Factory Model		Set (Indoor / Outdoor)	Unit	S3-M12JA2DB.EA6GEEU (S3NM12JA2DB.EA6GEEU / S3UM12JA2DB.EA6GEEU)
	Type		-	R32
	Pre Charge		kg	0.700
Refrigerant	Additional Ch	arge	g/m	20
Nelligelani	Control		-	Electronic Expansion Valve
	Global Warmi	ng Potential	-	675
	t-CO₂ eq		-	0.473
Defrost Method			-	Reverse Cycle
Tool Code (Chass		Indoor / Outdoor	-	SJ/U12A
	Type		-	Twin Rotary
	Model		-	DST102MAA
	Motor Type		-	BLDC
Compressor	Oil Type / Ma	ker	-	PVE (FVC68D) / IDEMITSU
·	Oil Charge		CC	280
	O.L.P. Name		-	-
	Manufacturer /	Country of Origin	-	LG / China
Fan (Indoor)	Type		-	Cross Flow Fan
an (muoor)	Motor Output		W	30
	Type		-	Propeller Fan
	Motor Type		-	BLDC
Fan (Outdoor)	Motor Output		W	43
	Motor Insulation		-	ClassE
	Motor Enclosu	re / Ingress Protection	-	TEAO / IPX4
		Material, Tube / Fin	-	Cu / Al
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 15 x 21 x 616.8) x 1
		(ø x Row x Column x FPI x L) x Qty.	#2	-
	Evaporator	(ø x Row x Column x FPI x L) x Qty.	#3	-
		(ø x Row x Column x FPI x L) x Qty.	#4	-
Heat Exchanger		Corrosion Protection	-	PCM
Not Excitatiget		Fin Type	-	Slit
		Material, Tube / Fin	-	-/-
	1	(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 22 x 18 x 667) x 1
	Condenser	(ø x Row x Column x FPI x L) x Qty.	#2	-
		Corrosion Protection	-	Gold
		Fin Type	-	Corrugate

- Note

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 All power supply and communication cables and circuit breaker must comply with applicable local and national codes
 Exterior color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.

- Extenor color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.
 Maximum heating capacity is for heating operation without any frost.
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 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases
 Some specifications may be changed without notifications due to our policy
- Test conditions are based on EN 14511 and EN 14825.

Buyer Model	Set	Set (Indoor / Outdoor)		S12EC.SSJS (S12EC.NSJS / S12EC.UA3S) S3-M12JA3FC.EA6GEEU (S3NM12JA3FC.EA6GEEU / S3UM12JA3FC.EA6GEEU)		
Factory Model			Unit	0.000	UM12JA3FC.EA6GEI	U)
	Cooling	Min ~ Rated ~ Max	kW Btu/h	0.890 3,039	3.500 11,950	4.040 13,794
	Coming	IVIII Nateu IVIAX	kJ/h	-	-	-
	0 1: (T0)	Nr. D. I. M.	kW	-	-	-
Capacity	Cooling (T3)	Min ~ Rated ~ Max	Btu/h	-	-	-
, ,			kW	0.890	3.710	5.100
	Heating	Min ~ Rated ~ Max	Btu/h	3,039	12,659	17,414
			kJ/h	-	-	-
	Heating -7°C	Max	kW		3.000	
	Cooling	Min ~ Rated ~ Max	W	200	1,080	1,400
Power Input	Cooling (T3)	Min ~ Rated ~ Max	W	-	-	-
	Heating	Min ~ Rated ~ Max	W	195	950	1,600
Dunning Cumont	Cooling (T2)	Min ~ Rated ~ Max Min ~ Rated ~ Max	A	1.10	4.70	6.00
Running Current	Cooling (T3) Heating	Min ~ Rated ~ Max	A	1.10	4.30	7.00
	пеашту	IVIII1 ~ Rateu ~ IVIAX	WW	1.10	3.24	7.00
EER			(Btu/h)/W		11.06	
LLIX			(kJ/h)/W		-	
			WW		-	
EER (T3)			(Btu/h)/W		-	
SEER					6.6	
-			W/W		3.91	
COP			(Btu/h)/W		13.33	
			(kJ/h)/W		=	
SCOP			-		4	
P design C / P de			kW		3.5 / 2.5	
Energy Label Gra		Cooling / Heating	-		A++ / A+	
Annual Energy C	Consumption	Cooling / Heating	kWh/year		186 / 875	
Weighted EER			(Btu/h)/W		-	
			W/W		-	
Power Supply			Ø, V, Hz		1, 220~240, 50	
Available Voltage	e Range	LO-alian / Haatin a	V		187~276 93.0 / 94.0	
Power Factor Moisture Remova	N	Cooling / Heating	% I/h		1.30	
Moisure Nemova		Cooling, SH/H/M/L	m³/min		12.5 / 10.0 / 7.5 / 4.2	
	Air Flow Rate	Heating, SH/H/M/L	m³/min		13.0 / 10.0 / 7.2 / 5.6	
		Cooling, SH/H/M/L/SL	dB(A)	45 / 41 / 35 / 27 / 19		
	Sound Pressure Level	Heating, SH/H/M/L	dB(A)	45 / 41 / 35 / 27		
	Sound Power Level	riodang, or it it in it i	dB(A)	59		
Indoor		Net	mm	837 x 308 x 189		
	Dimensions (W×H×D)	Shipping	mm	880 x 380 x 240		
	Weight	Net	kg	8.7		
		Shipping	kg		10.8	
	Exterior Color Code		-	Muns	ell 7.5BG 10/2 (RAL !	9016)
	Air Flow Rate	Max	m³/min		27.0	
	Fan Motor Speed	Cooling, Min ~ Max	rpm		230 ~ 1000	
		Heating, Min ~ Max	mm -ID(A)		230 ~ 1000	
	Sound Pressure Level	Cooling, Rated	dB(A)		48 50	
	Sound Power Level	Heating, Rated	dB(A) dB(A)		- 50	
		Net	MM MB(A)		717 x 495 x 230	
Outdoor	Dimensions (W×H×D)	Shipping	mm		830 x 540 x 390	
Catalooi		Net	kg		25.2	
	Weight	Shipping	kg		26.8	
	Max. Fuse Size	i - mppmig	Ä		15	
	Exterior Color Code		-	Munæll	9.54Y 8.34/1.31 (RA	L 9001)
		Cooling	°C DB		-10 ~ 48	•
	Operation Range	Heating	°C DB		-15 ~ 24	
		Heating	°C WB		-15 ~ 18	
Circuit Breaker			A		15	
Power Supply to					Outdoor	
Power and Comm	nunication Cable	Treada	No. × mm²		4 x 1	
	Size	Liquid	mm		ø 6.35	
		Gas	mm -		ø 9.52	
Piping	Connections Mother	Indoor / Outdoor				
	Connections Method	Indoor / Outdoor			Flared / Flared	
		O.D, I.D	mm		21.5,16	
Piping Drain Hose Size	Connections Method Piping Length	O.D, I.D Min / Standard / Max	mm m		21.5,16 3 / 7.5 / 15	
· -		O.D, I.D Min / Standard / Max No Charge	mm		21.5,16	

- -: No Relation
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 Exterior color code is approximate value.
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 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
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- Test conditions are based on EN 14511 and EN 14825.

Buyer Model				S12EC.SSJS (S12EC.NSJS / S12EC.UA3S)
Factory Model	1	Set (Indoor / Outdoor)	Unit	S3-M12JA3FC.EA6GEEU (S3NM12JA3FC.EA6GEEU / S3UM12JA3FC.EA6GEEU)
	Type		-	R32
	Pre Charge		kg	0.700
Refrigerant	Additional Ch	arge	g/m	20
Nemgerani	Control		-	Electronic Expansion Valve
	Global Warmi	ng Potential	-	675
	t-CO₂ eq			0.473
Defrost Method			-	Reverse Cycle
Tool Code (Chassis) Indoor / Outdoor			-	SJ/U12A
	Type		-	Twin Rotary
	Model		-	DST102MAA
	Motor Type		-	BLDC
Compressor	Oil Type / Maker		-	PVE (FVC68D) / IDEMITSU
·	Oil Charge		CC	280
	O.L.P. Name		-	-
	Manufacturer / Country of Origin		-	LG / China
Fan (Indoor)	Type		-	Cross Flow Fan
i aii (iiidooi)	Motor Output		W	30
	Type		-	Propeller Fan
	Motor Type		-	BLDC
Fan (Outdoor)	Motor Output		W	43
	Motor Insulation		-	Class E
	Motor Enclosu	re / Ingress Protection	-	TEAO / IPX4
		Material, Tube / Fin	-	Cu / Al
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 15 x 21 x 616.8) x 1
		(ø x Row x Column x FPI x L) x Qty.	#2	-
	Evaporator	(ø x Row x Column x FPI x L) x Qty.	#3	-
	•	(ø x Row x Column x FPI x L) x Qty.	#4	-
Heat Exchanger		Corrosion Protection	-	PCM
i icat Lituriangel		Fin Type	-	Slit
		Material, Tube / Fin	-	-/-
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 22 x 18 x 667) x 1
	Condenser	(ø x Row x Column x FPI x L) x Qty.	#2	-
		Corrosion Protection	-	Gold
		Fin Type	-	Corrugate

- Note

 : No Relation
 All power supply and communication cables and circuit breaker must comply with applicable local and national codes
 Exterior color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.

- Extenor color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.
 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases
 Some specifications may be changed without notifications due to our policy
- Test conditions are based on EN 14511 and EN 14825.

Buyer Model Factory Model	Set (Indoor / Outdoor)		Unit	PC18SC.SSKT (PC18SC.NSKT / PC18SC.UL2T) S3-M18KL2DB.EA6GEEU (S3NM18KL2DB.EA6GEEU / S3UM18KL2DB.EA6GEEU)		
			kW	0.900	5.000	5.500
	Cooling	Min ~ Rated ~ Max	Btu/h	3,073	17,072	18,779
			kJ/h	-	-	-
	Cooling (T3)	Min ~ Rated ~ Max	kW	-	-	-
Capacity H	Cooling (10)	Will Patca Wax	Btu/h	-	-	-
			kW	0.900	5.400	6.400
	Heating	Min ~ Rated ~ Max	Btu/h	3,073	18,426	21,852
			kJ/h	-	-	-
	Heating -7°C	Max	kW	040	4.200	1010
	Cooling	Min ~ Rated ~ Max	W	210	1,562	1,940
Power Input	Cooling (T3)	Min ~ Rated ~ Max	W	-	-	-
	Heating	Min ~ Rated ~ Max	W	210	1,480	2,000
D	Cooling	Min ~ Rated ~ Max	A	1.20	6.90	9.00
Running Current	Cooling (T3)	Min ~ Rated ~ Max	A	-	-	-
	Heating	Min ~ Rated ~ Max	A	1.20	6.70	9.50
			W/W		3.20	
EER			(Btu/h)/W (kJ/h)/W		10.93	
			W/W		-	
EER (T3)			(Btu/h)/W			
SEER			(Dtd/11)/VV		- <u>-</u> 7	
JLLIN			- WW		3.65	
COP			(Btu/h)/W		12.45	
<i>∞</i> ₁			(kJ/h)/W		- 12.43	
SCOP			(10/11)/ VV		4.3	
P design C / P des	sian H		kW		5/3.9	
Energy Label Gra		Cooling / Heating	-		A++ / A+	
Annual Energy Co		Cooling / Heating	kWh/year		250 / 1270	
	латрион	Cooling / I caung	(Btu/h)/W		-	
Neighted EER			WW		-	
Power Supply			Ø, V, Hz		1, 220~240, 50	
Available Voltage	Range		~, t,		187~276	
Power Factor	. rango	Cooling / Heating	%	97.0 / 97.0		
Moisture Removal		coomig , ribating	I/h		1.80	
		Cooling, SH/H/M/L	m³/min		15.5 / 14.5 / 13.0 / 10.	5
	Air Flow Rate	Heating, SH/H/M/L	m³/min		18.5 / 16.0 / 13.5 / 11.	
	Coursed Days on the Land	Heating, SH/H/M/L Cooling, SH/H/M/L/SL	dB(A)	47 / 44 / 39 / 34 / 31		
	Sound Pressure Level	Heating, SH/H/M/L	dB(A)	48 / 44 / 39 / 34		
la de eu	Sound Power Level	,	dB(A)	60		
Indoor	Dimensions	Net	mm	998 x 345 x 210		
	Dimensions (W×H×D)	Shipping	mm	1050 x 420 x 265		
	Maj alat	Net	kg	11.2		
	Weight	Shipping	kg	13.9		
	Exterior Color Code		-	Muns	ell 7.5BG 10/2 (RAL :	9016)
	Air Flow Rate	Max	m³/min		35.0	
	Fon Motor Spood	Cooling, Min ~ Max	rpm		200 ~ 900	
	Fan Motor Speed	Heating, Min ~ Max	rpm		200 ~ 900	
	Sound Pressure Level	Cooling, Rated	dB(A)		53	
		Heating, Rated	dB(A)		55	
	Sound Power Level		dB(A)		-	
	Dimensions (W×H×D)	Net	mm		770 x 545 x 288	-
Outdoor	(vv×H×D)	Shipping	mm		920 x 590 x 390	
	Weight	Net	kg		32.8	
	•	Shipping	kg		35.3	
	Max. Fuse Size		Α		20	
	Exterior Color Code	10	-	Munæll	9.54Y 8.34/1.31 (RA	L 9001)
		Cooling	°C DB		-10 ~ 48	
	Operation Range	Heating	°C DB		-15 ~ 24	
· · · · ·		Heating	°C WB		-15 ~ 18	
Circuit Breaker			A		20	
Power Supply to U			<u> </u>		Outdoor	
Power and Comm	unication Cable	11: -1	No. × mm²		4 x 1	
-	Size	Liquid	mm		ø 6.35	
Piping		Gas	mm		ø 12.7	
	Connections Method	Indoor / Outdoor	-		Flared / Flared	
Orain Hose Size		O.D, I.D	mm		21.5,16	
	Piping Length	Min / Standard / Max	m		3 / 7.5 / 20	
Between Indoor & Outdoor		No Charge	m		7.5	
			m		10	
& Outdoor	Max. Elevation Difference Piping Connection Heat		- "		oth liquid and gas pip	

- -: No Relation
- All power supply and communication cables and circuit breaker must comply with applicable local and national codes.
 Exterior color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.

- It is difficult to measure air flowrate of seep because of shall values.
 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases.
- Some specifications may be changed without notifications due to our policy of innovation
- Test conditions are based on EN 14511 and EN 14825.

Buyer Model				PC18SC.SSKT (PC18SC.NSKT / PC18SC.UL2T)
Factory Model		Set (Indoor / Outdoor)	Unit	S3-M18KL2DB.EA6GEEU (S3NM18KL2DB.EA6GEEU / S3UM18KL2DB.EA6GEEU)
	Type		-	R32
	Pre Charge		kg	1.000
Refrigerant	Additional Ch	arge	g/m	20
Nemyerani	Control		-	Electronic Expansion Valve
	Global Warmi	ng Potential	-	675
	t-CO₂ eq		-	0.675
Defrost Method			-	Reverse Cycle
Tool Code (Chassi	s)	Indoor / Outdoor	-	SK / U18A
	Type		-	Twin Rotary
	Model		-	DAT156MCA
	Motor Type		-	BLDC
Compressor	Oil Type / Maker		-	PVE (FVC68D) / IDEMITSU
	Oil Charge		cc	400
	O.L.P. Name		-	-
	Manufacturer / Country of Origin		-	LG / China
Fan (Indoor)	Type		-	Cross Flow Fan
ran (muoor)	Motor Output		W	30
	Type		-	Propeller Fan
	Motor Type		-	BLDC
Fan (Outdoor)	Motor Output		W	43
		Motor Insulation		Class E
	Motor Enclosu	re / Ingress Protection	-	TEAO / IPX4
		Material, Tube / Fin	-	Cu / Al
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 16 x 20 x 744) x 1
		(ø x Row x Column x FPI x L) x Qty.	#2	-
	Evaporator	(ø x Row x Column x FPI x L) x Qty.	#3	-
	•	(ø x Row x Column x FPI x L) x Qty.	#4	-
Hoot Evolvanger		Corrosion Protection	-	PCM
Heat Exchanger		Fin Type	-	Slit
		Material, Tube / Fin	-	-/-
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 24 x 18 x 814) x 1
	Condenser	(ø x Row x Column x FPI x L) x Qty.	#2	-
		Corrosion Protection	-	Gold
		Fin Type	-	Corrugate

- Note

 No Relation
 All power supply and communication cables and circuit breaker must comply with applicable local and national codes
 Exterior color code is approximate value.
 His difficult to measure air flow rate of sleep because of small values.

- Extenor color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.
 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases
 Some specifications may be changed without notifications due to our policy
- Test conditions are based on EN 14511 and EN 14825.

Buyer Model				S18EC.SSKS (S18EC.NSKS / S18EC.UL2S)			
Factory Model	Set	(Indoor / Outdoor)	Unit	S3-M18KL3FC.EA6GEEU (S3NM18I S3UM18KL3FC.EA6G		L3FC.EA6GEEU / EEU)	
			kW	0.900	5.000	5.500	
	Cooling	Min ~ Rated ~ Max	Btu/h	3,073	17,072	18,779	
			kJ/h	-	-	-	
	Cooling (T3)	Min ~ Rated ~ Max	kW	-	-	-	
Capacity	Geening (10)	Will Fatou Wax	Btu/h				
	1		kW	0.900	5.400	6.400	
	Heating	Min ~ Rated ~ Max	Btu/h	3,073	18,426	21,852	
			kJ/h	-	-	-	
	Heating -7°C	Max	kW	0.10	4.200	1010	
	Cooling	Min ~ Rated ~ Max	W	210	1,562	1,940	
Power Input	Cooling (T3)	Min ~ Rated ~ Max	W	-	-	-	
	Heating	Min ~ Rated ~ Max	W	210	1,480	2,000	
D : 0 :	Cooling	Min ~ Rated ~ Max	A	1.20	6.90	9.00	
Running Current	Cooling (T3)	Min ~ Rated ~ Max	A	-	-	-	
	Heating	Min ~ Rated ~ Max	A	1.20	6.70	9.50	
FED			W/W		3.20		
EER			(Btu/h)/W		10.93		
			(kJ/h)/W		-		
EER (T3)			W/W /Ptu/b\/\/		<u> </u>		
, ,			(Btu/h)/W				
SEER			- WW		7		
COP					3.65		
ω _F		(Btu/h)/W		12.45			
SCOP			(kJ/h)/W		4.3		
P design C / P de	rian U		- kW		5/3.9		
Energy Label Gra		Cooling / Heating	KVV		A++ / A+		
Annual Energy Co		Cooling / Heating	kWh/year		250 / 1270		
	onsumption	Cooling / Healing	(Btu/h)/W	250 / 1270			
Weighted EER			W/W				
Power Supply			Ø, V, Hz		1, 220~240, 50		
Available Voltage	e Range		V, V, FIZ		187~276		
Power Factor	o i wrigo	Cooling / Heating	%	97.0 / 97.0			
Moisture Remova	ı	Cooling / I cating	I/h		1.80		
Wordan't Terriova		Cooling, SH/H/M/L	m³/min	1	5.5 / 14.5 / 13.0 / 10.	5	
	Air Flow Rate	Heating, SH / H / M / L	m³/min		8.5 / 16.0 / 13.5 / 11.		
		Cooling, SH/H/M/L/SL	dB(A)		47 / 44 / 39 / 34 / 31	<u> </u>	
	Sound Pressure Level	Heating, SH/H/M/L	dB(A)	48 / 44 / 39 / 34			
	Sound Power Level		dB(A)	60 998 x 345 x 210			
Indoor			mm				
	Dimensions (W×H×D)	Shipping	mm		1050 x 420 x 265		
		Net	kg		11.2		
	Weight	Shipping	kg		13.9		
	Exterior Color Code	1	-	Muns	ell 7.5BG 10/2 (RAL !	9016)	
	Air Flow Rate	Max	m³/min		35.0		
		Cooling, Min ~ Max	rpm		200 ~ 900		
	Fan Motor Speed	Heating, Min ~ Max	rpm		200 ~ 900		
	Cound Droce in Louis!	Cooling, Rated	dB(A)		53		
	Sound Pressure Level	Heating, Rated	dB(A)		55		
	Sound Power Level		dB(A)		-		
	Dimensions (W×H×D)	Net	mm		770 x 545 x 288		
Outdoor	(VV × H × D)	Shipping	mm		920 x 590 x 390		
	Weight	Net	kg		32.8		
	Weight	Shipping	kg		35.3		
	Max. Fuse Size		Ă		20		
	Exterior Color Code		-	Munæll	9.54Y 8.34/1.31 (RA	L 9001)	
		Cooling	°C DB		-10 ~ 48		
	Operation Range	Heating	°C DB		-15 ~ 24	-	
	<u> </u>	Heating	°C WB		-15 ~ 18	-	
Circuit Breaker	-		A		20	-	
Power Supply to		<u> </u>	-		Outdoor		
Power and Comm	nunication Cable		No. × mm²		4 x 1		
	Size	Liquid	mm		ø 6.35		
Piping		Gas	mm		ø 12.7		
	Connections Method	Indoor / Outdoor	-		Flared / Flared		
Drain Hose Size		O.D, I.D	mm		21.5,16		
	Piping Length	Min / Standard / Max	m		3 / 7.5 / 20		
Retween Indoor	, , ,	No Charge	m		7.5		
DCMCCII IIIGOOI							
Between Indoor & Outdoor	Max. Elevation Difference Piping Connection Heat		m		10 oth liquid and gas pip		

- -: No Relation
- All power supply and communication cables and circuit breaker must comply with applicable local and national codes.
 Exterior color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.

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 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases.
- Some specifications may be changed without notifications due to our policy of innovation
- Test conditions are based on EN 14511 and EN 14825.

Buyer Model				S18EC.SSKS (S18EC.NSKS / S18EC.UL2S)
Factory Model		Set (Indoor / Outdoor)	Unit	S3-M18KL3FC.EA6GEEU (S3NM18KL3FC.EA6GEEU / S3UM18KL3FC.EA6GEEU)
	Type		-	R32
	Pre Charge		kg	1.000
Refrigerant	Additional Ch	arge	g/m	20
Nelligelani	Control		-	Electronic Expansion Valve
	Global Warmi	ng Potential	-	675
	t-CO₂ eq		-	0.675
Defrost Method			-	Reverse Cycle
Tool Code (Chassi	s)	Indoor / Outdoor	-	SK / U18A
	Type		-	Twin Rotary
	Model		-	DAT156MCA
	Motor Type		-	BLDC
Compressor	Oil Type / Maker		-	PVE (FVC68D) / IDEMITSU
•	Oil Charge		cc	400
	O.L.P. Name		-	-
	Manufacturer /	Country of Origin	-	LG / China
an (Indoor)	Type		-	Cross Flow Fan
ari (iridoor)	Motor Output		W	30
	Type		-	Propeller Fan
	Motor Type		-	BLDC
an (Outdoor)	Motor Output		W	43
		Motor Insulation		ClassE
	Motor Enclosu	re / Ingress Protection	-	TEAO / IPX4
		Material, Tube / Fin	-	Cu / Al
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 16 x 20 x 744) x 1
		(ø x Row x Column x FPI x L) x Qty.	#2	-
	Evaporator	(ø x Row x Column x FPI x L) x Qty.	#3	-
	•	(ø x Row x Column x FPI x L) x Qty.	#4	-
leat Exchanger		Corrosion Protection	-	PCM
neat Exchange		Fin Type	-	Slit
		Material, Tube / Fin	-	-/-
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 24 x 18 x 814) x 1
	Condenser	(ø x Row x Column x FPI x L) x Qty.	#2	-
		Corrosion Protection	-	Gold
		Fin Type	-	Corrugate

- Note

 No Relation
 All power supply and communication cables and circuit breaker must comply with applicable local and national codes
 Exterior color code is approximate value.
 His difficult to measure air flow rate of sleep because of small values.

- Extenor color code is approximate value.
 It is difficult to measure air flow rate of seep because of small values.
 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are dose.
- This product contains fluorinated greenhouse gases
 Some specifications may be changed without notifications due to our policy
- Test conditions are based on EN 14511 and EN 14825.

Buyer Model				PC24SC.SSKT (PC24SC.NSKT / PC24SC.U24T)			
Factory Model	Set	(Indoor / Outdoor)	Unit \$3-M24K22DB.EA6GEEU (\$3N \$3UM24K22DB.E		A6GEEU (S3NM24K2 UM24K22DB.EA6GE	IM24K22DB.EA6GEEU / EA6GEEU)	
			kW	0.900	6.600	7.420	
	Cooling	Min ~ Rated ~ Max	Btu/h	3,071	22,520	25,318	
			kJ/h	-	-	-	
	Cooling (T3)	Min ~ Rated ~ Max	kW	-	-	-	
Capacity	555g (1.5)	This rated max	Btu/h	-	-	-	
			kW	0.900	7.000	8.640	
	Heating	Min ~ Rated ~ Max	Btu/h	3,071	23,885	29,481	
			kJ/h	-	-	-	
	Heating -7°C	Max	kW	040	6.000	0.500	
D	Cooling	Min ~ Rated ~ Max	W	210	2,164	2,500	
Power Input	Cooling (T3)	Min ~ Rated ~ Max	W	-	-	0.750	
	Heating	Min ~ Rated ~ Max	W	210	2,030	2,750	
Dunning Cumont	Cooling (T2)	Min ~ Rated ~ Max	A	1.20	9.80	14.00	
Running Current	Cooling (T3)	Min ~ Rated ~ Max	A	- 1 20	- 0.40	14.00	
	Heating	Min ~ Rated ~ Max	A	1.20	9.10	14.00	
EER			W/W (Btu/h)/W		3.05		
EER			(kJ/h)/W		10.41		
					-		
EER (T3)			W/W (Btu/h)/W		<u> </u>		
SEED			(Dtu/11)/VV		6.9		
SEER			- WW		3.45		
COP							
ω _Γ			(Btu/h)/W		11.77		
SCOP			(kJ/h)/W		4.3		
	dan II		kW		4.3 6.6 / 5		
P design C / P de Energy Label Gra		Cooling / Hosting	KVV		0.6 / 5 A++ / A+		
Annual Energy O		Cooling / Heating Cooling / Heating	kWh/year				
	orisumption	Cooling / Heating	(Btu/h)/W	335 / 1628			
Weighted EER			WW		-		
Power Supply			Ø, V, Hz	1, 220~240, 50			
Available Voltage	- Pange		V		187~276		
Power Factor	e range	Cooling / Heating	%		97.0 / 97.0		
Moisture Remova	ı	Cooling / Leating	I/h		2.50		
Wordan't Terriova		Cooling, SH/H/M/L	m³/min	1	8.3 / 16.1 / 13.1 / 10.	5	
	Air Flow Rate	Heating, SH / H / M / L	m³/min		9.8 / 17.6 / 14.3 / 11.		
		Cooling, SH/H/M/L/SL	dB(A)	49 / 47 / 42 / 34 / 31			
	Sound Pressure Level	Heating, SH/H/M/L	dB(A)	50/47/42/34 65			
	Sound Power Level	riodang, or ir ir ir i	dB(A)				
Indoor			mm	998 x 345 x 210			
	Dimensions (W×H×D)	Shipping	mm		1050 x 420 x 265		
		Net	kg	11.9			
	Weight	Shipping	kg	14.6			
	Exterior Color Code	1	-	Muns	ell 7.5BG 10/2 (RAL	9016)	
	Air Flow Rate	Max	m³/min		49.0		
		Cooling, Min ~ Max	rpm		190 ~ 850		
	Fan Motor Speed	Heating, Min ~ Max	rpm		190 ~ 850		
	Cound Droce in Laurel	Cooling, Rated	dB(A)		54		
	Sound Pressure Level	Heating, Rated	dB(A)	57			
	Sound Power Level		dB(A)		-		
	Dimensions (W×H×D)	Net	mm		870 x 650 x 330		
Outdoor	(VV×H×D)	Shipping	mm		1035 x 700 x 450		
	Weight	Net	kg		44.4		
	Weight	Shipping	kg		48.5		
	Max. Fuse Size		Ă		20		
	Exterior Color Code		-	Munæll	9.54Y 8.34/1.31 (RA	L 9001)	
		Cooling	°C DB		-10 ~ 48		
	Operation Range	Heating	°C DB		-15 ~ 24		
		Heating	°C WB		-15 ~ 18		
Circuit Breaker			A		25		
Power Supply to			-		Outdoor		
Power and Comm	nunication Cable		No. × mm²		4 x 1		
	Size	Liquid	mm		ø 6.35		
Piping		Gas	mm		ø 15.88		
	Connections Method	Indoor / Outdoor	-		Flared / Flared		
Drain Hose Size		O.D, I.D	mm		21.5,16		
	Piping Length	Min / Standard / Max	m		3 / 7.5 / 30		
Retugen Indoor		No Charge	m		7.5		
Derweel Indoor							
Between Indoor & Outdoor	Max. Elevation Difference Piping Connection Heat		m		15 oth liquid and gas pip		

- -: No Relation
- All power supply and communication cables and circuit breaker must comply with applicable local and national codes.
 Exterior color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.

- It is difficult to measure air flowrate of seep because of shall values.
 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases.
- Some specifications may be changed without notifications due to our policy of innovation
- Test conditions are based on EN 14511 and EN 14825.

Buyer Model				PC24SC.SSKT (PC24SC.NSKT / PC24SC.U24T)
Factory Model		Set (Indoor / Outdoor)	Unit	S3-M24K22DB.EA6GEEU (S3NM24K22DB.EA6GEEU / S3UM24K22DB.EA6GEEU)
	Type		-	R32
	Pre Charge		kg	1.100
Refrigerant	Additional Ch	arge	g/m	20
Nemgerani	Control		-	Electronic Expansion Valve
	Global Warmi	ng Potential	-	675
	t-CO₂ eq		-	0.743
Defrost Method			-	Reverse Cycle
Tool Code (Chass		Indoor / Outdoor	-	SK / U24A
	Type		-	Twin Rotary
	Model		-	DKT176MAJ
	Motor Type		-	BLDC
Compressor	Oil Type / Maker		-	PVE (FVC68D) / IDEMITSU
	Oil Charge		œ	470
	O.L.P. Name		-	-
	Manufacturer / Country of Origin		-	LG / China
Fan (Indoor)	Type		-	Cross Flow Fan
ari (iridoor)	Motor Output		W	58
	Type		-	Propeller Fan
	Motor Type		-	BLDC
an (Outdoor)	Motor Output		W	85
		Motor Insulation		Class E
	Motor Enclosu	re / Ingress Protection	-	TEAO / IPX4
		Material, Tube / Fin	-	Cu / Al
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 16 x 20 x 744) x 1
		(ø x Row x Column x FPI x L) x Qty.	#2	-
	Evaporator	(ø x Row x Column x FPI x L) x Qty.	#3	-
		(ø x Row x Column x FPI x L) x Qty.	#4	-
leat Exchanger		Corrosion Protection	-	PCM
Eat Live latinger		Fin Type	-	Slit
		Material, Tube / Fin	-	-/-
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 28 x 18 x 938) x 1
	Condenser	(ø x Row x Column x FPI x L) x Qty.	#2	-
		Corrosion Protection	-	Gold
		Fin Type	-	Corrugate

- Note

 : No Relation

 All power supply and communication cables and circuit breaker must comply with applicable local and national codes

 Exterior color code is approximate value.

 It is difficult to measure air flow rate of sleep because of small values.

- Extenor color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.
 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases
 Some specifications may be changed without notifications due to our policy
- Test conditions are based on EN 14511 and EN 14825.

Buyer Model Factory Model	Set (Indoor / Outdoor)		Unit	S24EC.SSKS (S24EC.NSKS / S24EC.U24S) S3-M24K23FC.EA6GEEU (S3NM24K23FC.EA6GEEU / S3UM24K23FC.EA6GEEU)		
			kW	0.900	6.600	7.420
	Cooling	Min ~ Rated ~ Max	Btu/h	3,071	22,520	25,318
			kJ/h	-	-	-
	Cooling (T3)	Min ~ Rated ~ Max	kW	-	-	
Сарасту	Cooming (10)	Will Pated Wax	Btu/h	-	-	-
			kW	0.900	7.000	8.640
	Heating	Min ~ Rated ~ Max	Btu/h	3,071	23,885	29,481
			kJ/h	-	-	-
	Heating -7°C	Max	kW	210	6.000	0.500
	Cooling	Min ~ Rated ~ Max	W	210	2,164	2,500
Power Input	Cooling (T3)	Min ~ Rated ~ Max	W	-	-	- 0.750
	Heating	Min ~ Rated ~ Max	W	210	2,030	2,750
D	Cooling	Min ~ Rated ~ Max	A	1.20	9.80	14.00
Running Current	Cooling (T3)	Min ~ Rated ~ Max	A	- 4.00	- 0.40	- 44.00
	Heating	Min ~ Rated ~ Max	A WW	1.20	9.10	14.00
EER					3.05	
EER			(Btu/h)/W (kJ/h)/W		10.41	
					-	
EER (T3)			W/W (Btu/h)/W		<u> </u>	
SEER			(Dtd/11)/VV		6.9	
JLLI\			- WW		3.45	
COP			(Btu/h)/W		11.77	
5 0F			(kJ/h)/W		- 11.77	
SCOP			(NO/11)/ V V		4.3	
P desian C / P de	esian H		kW		6.6 / 5	
Energy Label Gra		Cooling / Heating	-		A++ / A+	
Annual Energy Co		Cooling / Heating	kWh/year		335 / 1628	
	опатрион	Cooling / I caung	(Btu/h)/W		-	
Neighted EER			W/W			
Power Supply			Ø, V, Hz	1, 220~240, 50		
Available Voltage	e Range		ν, ν, ι <u>Σ</u>		187~276	
Power Factor	o rango	Cooling / Heating	%		97.0 / 97.0	
Moisture Remova	1	cooming / Focusing	I/h		2.50	
		Cooling, SH/H/M/L	m³/min		18.3 / 16.1 / 13.1 / 10.	5
	Air Flow Rate	Heating, SH/H/M/L	m³/min		19.8 / 17.6 / 14.3 / 11.	
	O	Heating, SH/H/M/L Cooling, SH/H/M/L/SL	dB(A)	49 / 47 / 42 / 34 / 31		
	Sound Pressure Level	Heating, SH/H/M/L	dB(A)	50 / 47 / 42 / 34		
lada.u	Sound Power Level	1 3,	dB(A)	65		
Indoor		Net	mm	998 x 345 x 210		
	Dimensions (W×H×D)	Shipping	mm	1035 x 700 x 450		
	Mai alat	Net	kg	11.9		
	Weight	Shipping	kg		14.6	
	Exterior Color Code		-	Mun	ell 7.5BG 10/2 (RAL :	9016)
	Air Flow Rate	Max	m³/min		49.0	
	Fon Motor Chood	Cooling, Min ~ Max	rpm		190 ~ 850	
	Fan Motor Speed	Heating, Min ~ Max	rрm		190 ~ 850	
	Sound Pressure Level	Cooling, Rated	dB(A)		54	
		Heating, Rated	dB(A)		57	
	Sound Power Level		dB(A)		-	
	Dimensions (W×H×D)	Net	mm		870 x 650 x 330	
Outdoor	(vv × H × D)	Shipping	mm		1035 x 700 x 450	
	Weight	Net	kg		44.4	
	•	Shipping	kg		48.5	
	Max. Fuse Size		A		20	
	Exterior Color Code	10 1	- 00.DD	Munæl	I 9.54Y 8.34/1.31 (RA	⊥ 9001)
		Cooling	°C DB		-10 ~ 48	
	Operation Range	Heating	°C DB		-15 ~ 24	
	1	Heating	°C WB		-15 ~ 18	
Circuit Breaker Power Supply to U	11-24		A		25	
ZOWER SUBBLY to 1			- N- · · · 2		Outdoor	
	iunication Cable	I I i an si al	No. × mm²		4 x 1	
		Liquid	mm		ø 6.35 ø 15.88	
Power and Comm	Size	0			a 15 88	
Power and Comm		Gas	mm			
Power and Comm Piping	Size Connections Method	Indoor / Outdoor	-		Flared / Flared	
Power and Comm Piping Drain Hose Size		Indoor / Outdoor O.D, I.D	- mm		Flared / Flared 21.5,16	
Power and Comm Piping Drain Hose Size		Indoor / Outdoor O.D, I.D Min / Standard / Max	- mm m		Flared / Flared 21.5,16 3 / 7.5 / 30	
Power and Comm Piping	Connections Method	Indoor / Outdoor O.D, I.D Min / Standard / Max No Charge	- mm		Flared / Flared 21.5,16	

- -: No Relation
- All power supply and communication cables and circuit breaker must comply with applicable local and national codes.
 Exterior color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.

- It is difficult to measure air flowrate of seep because of shall values.
 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases.
- Some specifications may be changed without notifications due to our policy of innovation
- Test conditions are based on EN 14511 and EN 14825.

Buyer Model				S24EC.SSKS (S24EC.NSKS / S24EC.U24S)
Factory Model		Set (Indoor / Outdoor)	Unit	S3-M24K23FC.EA6GEEU (S3NM24K23FC.EA6GEEU / S3UM24K23FC.EA6GEEU)
	Type		-	R32
	Pre Charge		kg	1.100
Refrigerant	Additional Ch	arge	g/m	20
reingelant	Control		-	Electronic Expansion Valve
	Global Warmi	ng Potential	-	675
	t-CO₂ eq		-	0.743
Defrost Method			-	Reverse Cycle
Tool Code (Chassi		Indoor / Outdoor	-	SK / U24A
	Type		-	Twin Rotary
	Model		-	DKT176MAJ
	Motor Type		-	BLDC
Compressor	Oil Type / Maker		-	PVE (FVC68D) / IDEMITSU
	Oil Charge		œ	470
	O.L.P. Name		-	-
	Manufacturer / Country of Origin		-	LG / China
Fan (Indoor)	Type		-	Cross Flow Fan
an (muoor)	Motor Output		W	58
	Type		-	Propeller Fan
	Motor Type		-	BLDC
Fan (Outdoor)	Motor Output		W	85
	Motor Insulation		-	Class E
	Motor Enclosu	re / Ingress Protection	-	TEAO / IPX4
		Material, Tube / Fin	-	Cu / Al
		(ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 16 x 20 x 744) x 1
		(ø x Row x Column x FPI x L) x Qty.	#2	-
	Evaporator	(ø x Row x Column x FPI x L) x Qty.	#3	-
	· ·	(ø x Row x Column x FPI x L) x Qty.	#4	=
Heat Exchanger		Corrosion Protection	-	PCM
leat Littialiyei		Fin Type	-	Slit
		Material, Tube / Fin	-	-/-
		(ø x Row x Column x FPI x L) x Qty. (ø x Row x Column x FPI x L) x Qty.	#1	(ø7 x 2 x 28 x 18 x 938) x 1
	Condenser	(ø x Row x Column x FPI x L) x Qty.	#2	-
		Corrosion Protection	-	Gold
		Fin Type	-	Corrugate

- Note

 : No Relation

 All power supply and communication cables and circuit breaker must comply with applicable local and national codes.
- Exterior color code is approximate value.

- Extenor color code is approximate value.
 It is difficult to measure air flow rate of sleep because of small values.
 Maximum heating capacity is for heating operation without any frost.
 Fan motor speed could vary ±20 rpm according to the operating conditions.
 It may cause reliability, performance, noise, and vibration problem, unless meeting the range of connecting pipe length. Keep the minimum piping length by making loops, although indoor unit and outdoor unit are close.
- This product contains fluorinated greenhouse gases
 Some specifications may be changed without notifications due to our policy
- Test conditions are based on EN 14511 and EN 14825.

Category	Function	Description
outogo.,	Air Supply Outlet	The number of air outlet from the indoor unit
	Airflow Direction Control (Left & Right)	Controlling a left-right direction of the indoor air flow
	Airflow Direction Control (Up & Down) Auto Swing (Left & Right)	Controlling a up-down direction of the indoor air flow Auto swing air flow right and left for quick-cooling & Heating
Air Flow	Auto Swing (Left & Hight) Auto Swing (Up & Down)	Auto swing air flow up and down for quick-cooling & Heating
	Fan Speed Steps (Fan / Cool / Heat)	Step adjustable wind strength at each mode
	Natural Wind (Auto Wind)	Wind strength changes at regular intervals automatically
	Jet Cool / Jet Heat (Power Wind)	Wind strength is set to the maximum for 30 minutes
	Comfort Air Prefilter (Washable)	Set the vane to a preset position in order to make an indirect wind Capture dust particles over 10µm in size(Basic Filter)
	Fine Dust Filter(Micro Dust Filter)	Capture dust particles over 0.3µm in size(Optional Filter)
Air Purifying	Ultra Fine Dust Filter(Ion Diffuser)	Capture dust particles over 1.0µm in size(Optional Filter+lon Diffuser)
Purifying	Allergy Filter	Capture all allergy-causing substances such as house dust and mites floating in the air
	Plasmaster Ionizer	Reduce harmful microscopic particles and odor
Installation	Drain Pump	Water drain pump for indoor unit
	Hot Start	In the heating mode, the hot wind from the beginning
Reliability	Self Diagnosis De-ice Control (Defrost)	Self-diagnostic for product protection In the heating mode, de-icing of the outdoor heat exchanger automatically
	Dry (Dehumidification) Operation	Prevent the growth of mold by removing excess moisture from an area with high humidity
	Dry (Bendinianication) Operation	high humidity
	Auto Changeover	Change the operation mode(cooling & heating) automatically to maintain the set temperature
	Auto Operation (Artificial Intelligence)	The fan and setting temperature adjust automatically, base on room
	Auto Cleaning (Coil Dry)	Prevent the formation of bacteria and mold on the heat exchanger
	Auto Restart Operation	If power is resupplied after blackout, product restart automatically
	Child Lock ¹	Only for wired-remote controller. Lock the buttons to prevent children control
	Forced Operation	Use the forced switch of the indoor unit to operate the air conditioner when the remote control is unavailable
	Group Control ¹	Only for wired-remote controller. Control multiple indoor units at the same
	Group Control	timé ·
	Sleep Mode	Set the off timer and fan speed is decreasing to make quiet environment for comfort sleep
	Timer 24hr (On/Off) / 7hr (Off)	Set the on/off timer
	Timer (Weekly) ¹	Only for wired-remote controller. Set the on/off timer
Convenience	Two Thermistor Control ¹	If there is a temperature difference between room temperature and desired temperature, you can use this function in other to prevent insufficient cooling and insufficient heating
		cooling and insufficient heating
	Low Ambient Operation	The cooling operation is possible even in conditions of extreme cold
	Overheating Protection	If there is a temperature difference between room temperature and desired temperature, you can use this function in other to prevent over-heating
	Low Heating	Using less energy helps keep the room warm when going out
	Voice Control Outdoor Silent Mode	Customer can control the aircon by voice without wireless remote controller The overall sound level of the outdoor unit drops by up to 3dB
		An ultrasonic sound that mosquitoes detest is emitted to drives away
	Mosquito Away	mosquitoes
	Smart Diagnosis	Check the your AC's operational information for quick-service and self- diagnosis by sound from indoor unit
	Indoor Unit Display Type	-
	Indoor Unit Display Light	Set the brightness of the display on the indoor unit
	Energy Display	Show the power consumption Sense microscopic dusts in the room and let the air purifying system work
	Air Quality Indicator (Dust Sensor)	without additional maneuver
	Energy Saving	Control the optimal desired temperature to save energy
_	Energy Control	The customer can control the power consumption or current directly to save energy
Energy Saving	Gen Mode	lin areas where electricity is limited, customer can continue to use household appliances with the air-conditioner by reducing power consumption
Saving		
	kW Manager	"kW Manager' is a function that limits the operation of the air conditioner according to the target amount of electricity for a certain period of time set by the customer.
Individual	Wired Remote Controller ²	
Control	Handheld Wireless Controller	-
	General Central Controller (Non LGAP)	-
CAC	Network Solution (LGAP)	-
	Dry Contact ² PDI (Power Distribution Indicator) ²	<u>-</u>
	Outdoor Unit PI 485 ²	- -
	Wi-Fi ²	Easily access and control an air conditioner's functions from anywhere
1	Water Level Sensor Connection ²	Detect the water level in drain pan
	Wind Baffle Kit ²	With wind baffle installed, the minimum temperature will be -18 °C (0 °F)D.B. in cooling
Special	Sump Heater	Prevent the accumulation of freezing on the outdoor-heat-exchanger during winter (Flexible Type)
Special Function Kit	<u> </u>	Prevent the accumulation of freezing on the outdoor-heat-eychanger during
1	Sheath Heater ²	Prevent the accumulation of freezing on the outdoor-heat-exchanger during winter (Hard Type)
1	Crank Case Heater	Pre-heating the compressor during winter
1	Smart Inverter Monitoring System (SIMs) ²	Help you to easily monitor, diagnose the air conditioner and get a quick resolution
011	Mode Lock	Set up the unit available to use only cooling or heating mode in the heat
Others	DRED (Demand Response Enabling Device)	pump' model
		'UV nano' is a function that applies UV LED technology to sterilize bacteria
Hygiene	UV Nano	by ultraviolet rays on the products fan.
<u> </u>		

- Note
 These functions must be applied according to the model. Please refer to the following function list for each model.
 1: This function can be operated only when the wired remote controller is connected. The applicability of each function depends on the above table.
 2: Optional accessories must be purchased separately. If shown as "Embedded", this function is included in product.
 The function Wi-Fi is only compatible with 2.4 GHz band. (802.11 b/g/n)
 Some specifications may be changed without notifications due to our policy of innovation.

Category	Function	PC09SC.SSJT S3-M09JA2DB.EA6GEEU
	Air Supply Outlet	1
	Airflow Direction Control (Left & Pight)	5 Steps
	Airflow Direction Control (Up & Down)	6 Steps
A :	Auto Swing (Left & Right)	0
Air Flow	Auto Swing (Up & Down)	0
1100	Fan Speed Steps (Fan / Cool / Heat)	6 / 6 / 6
	Natural Wind (Auto Wind)	0
	Jet Cool / Jet Heat (Power Wind)	0/0
	Comfort Air	0
	Prefilter (Washable)	0
۸ir	Fine Dust Filter(Micro Dust Filter)	X
Air Purifying	Ultra Fine Dust Filter / PM 1.0 Sensor	X
,	Allergy Filter	0
	Plasmaster Ionizer	X
Installation	Drain Pump	X
	Hot Start	0
Reliability	Self Diagnosis De-ice Control (Defrost)	0
radinty	De-ice Control (Defrost)	0
	Dry (Dehumidification) Operation	0
	Auto Changeover	0
	Auto Operation (Artificial Intelligence)	X
	Auto Cleaning (Coil Dry)	0
	Auto Restart Operation	0
	Child Lock 1	0
	Forced Operation	0
	Group Control 1	X (7)
	Sleep Mode	Comfort Sleep (7hr)
	Timer 24hr (On/Off) / 7hr (Off)	0/0
	Timer (Weekly) 1	0
Convenience	Two Thermistor Control 1	0
	Low Ambient Operation	0
	Overheating Protection	0
	Low Heating	X X
	Voice Control	X O
	Outdoor Silent Mode	
	Mosquito Away	X 0
	Smart Diagnosis Indoor Unit Display Type	Number Display
	Indoor Unit Display Type Indoor Unit Display Light	On/Off
	Energy Display	0
	Air Quality Indicator (Dust Sensor)	X
	Energy Saving	X
-	Energy Control	Active Energy Control
Energy Saving	Gen Mode	X
Saving		X
	kW Manager	
	Wired Remote Controller (Premium) 2	X POPOVOLO/OMA / PREMTR/O/PA
	Wired Remote Controller (Standard) 2	PQRCVSL0(QW) / PREMTB(0/B)01 PQRCVCL0Q(W)
Individual	Wired Remote Controller (Simple with Mode Selection) 2	PQRCVCLUQ(W)
Control	Wired Remote Controller (Simple without Mode Selection) 2	PQRCHCA0Q(W)
Control		5401614003(AKB76038403)
	Handheld Wireless Catting Tamparature Dance (Casting)	10, 20 °C (C4, 0C °C)
	Handheld Wireless (See Remote Controller Section) Setting Temperature Range (Cooling)	18~30 °C (64~86 °F)
	Setting Temperature Range (Heating)	18~30 °C (64~86 °F) 16~30 °C (60~86 °F)
010	General Central Controller (Non LGAP)	18~30 °C (64~86 °F)
CAC Network	General Central Controller (Non LGAP) Network Solution (LGAP)	18~30 °C (64~86 °F) 16~30 °C (60~86 °F) X X
CAC Network Function	Setting Temperature Range (neating) General Central Controller (Non LGAP) Network Solution (LGAP) Dry Contact ²	18~30 °C (64~86 °F)
CAC Network Function	Setting Temperature Range (neating)	18~30 °C (64~86 °F) 16~30 °C (60~86 °F) X X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500 X
CAC Network Function	General Central Controller (Non LGAP) Network Solution (LGAP) Dry Contact 2 PDI (Power Distribution Indicator) 2 Outdoor Unit PI 485 2	18~30 °C (64~86 °F) 16~30 °C (60~86 °F) X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500 X X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500
CAC Network Function	General Central Controller (Non LGAP) Network Solution (LGAP) Dry Contact ² PDI (Power Distribution Indicator) ² Outdoor Unit PI 485 ² Wi-Fi ²	18~30 °C (64~86 °F) 16~30 °C (60~86 °F) X X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500 X
Network Function	Setting Temperature Range (Reating)	18~30 °C (64~86 °F) 16~30 °C (60~86 °F) X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500 X X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500
Network Function	General Central Controller (Non LGAP) Network Solution (LGAP) Dry Contact ² PDI (Power Distribution Indicator) ² Outdoor Unit PI 485 ² Wi-Fi ² Water Level Sensor Connection ² Wind Baffle Kit ²	18~30 °C (64~86 °F) 16~30 °C (60~86 °F) X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500 X X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500
Network Function	General Central Controller (Non LGAP) Network Solution (LGAP) Dry Contact ² PDI (Power Distribution Indicator) ² Outdoor Unit PI 485 ² Wi-Fi ² Water Level Sensor Connection ² Wind Baffle Kit ² Sump Heater	18~30 °C (64~86 °F) 16~30 °C (60~86 °F) X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500 X X Embedded X X X X X X X X X X X X X
Network Function	General Central Controller (Non LGAP) Network Solution (LGAP) Dry Contact ² PDI (Power Distribution Indicator) ² Outdoor Unit PI 485 ² Wi-Fi ² Water Level Sensor Connection ² Wind Baffle Kit ² Sump Heater Sheath Heater ²	18~30 °C (64~86 °F) 16~30 °C (60~86 °F) X X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500 X Embedded X X X X X X X X X X X X X
Network Function	General Central Controller (Non LGAP) Network Solution (LGAP) Dry Contact 2 PDI (Power Distribution Indicator) 2 Outdoor Unit PI 485 2 WI-Fi 2 Water Level Sensor Connection 2 Wind Baffle Kit 2 Sump Heater Sheath Heater 2 Crank Case Heater	18~30 °C (64~86 °F) 16~30 °C (60~86 °F) X X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500 X Embedded X X X X X X X X X X X X X
Special Function Situation Kit	General Central Controller (Non LGAP) Network Solution (LGAP) Dry Contact 2 PDI (Power Distribution Indicator) 2 Outdoor Unit Pl 485 2 Wi-Fi 2 Water Level Sensor Connection 2 Wind Baffle Kit 2 Sump Heater Sheath Heater 2 Crank Case Heater Smart Inverter Monitoring System (SIMs) 2	18~30 °C (64~86 °F) 16~30 °C (60~86 °F) X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500 X Embedded X X X PDRYCB000, PDRYCB400, PDRYCB500
Network Function	General Central Controller (Non LGAP) Network Solution (LGAP) Dry Contact 2 PDI (Power Distribution Indicator) 2 Outdoor Unit PI 485 2 Wi-Fi 2 Water Level Sensor Connection 2 Wind Baffle Kit 2 Sump Heater Sheath Heater 2 Crank Case Heater Smart Inverter Monitoring System (SIMs) 2 Mode Lock	18~30 °C (64~86 °F) 16~30 °C (60~86 °F) X X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500 X X Embedded X X X PDRYCB000 X Cooling Only or Heating Only
Special Function	General Central Controller (Non LGAP) Network Solution (LGAP) Dry Contact 2 PDI (Power Distribution Indicator) 2 Outdoor Unit Pl 485 2 Wi-Fi 2 Water Level Sensor Connection 2 Wind Baffle Kit 2 Sump Heater Sheath Heater 2 Crank Case Heater Smart Inverter Monitoring System (SIMs) 2	18~30 °C (64~86 °F) 16~30 °C (60~86 °F) X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500 X Embedded X X X PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500

<sup>Note
O: Applied, X: Not applied
Filters are optional in some specific areas.
1: This function can be operated only when the wired remote controller is connected. The applicability of each function depends on the above table.
2: Optional accessories must be purchased separately. If shown as "Embedded", this function is included in product.
The function Wi-Fi is only compatible with 2.4 GHz band. (802.11 b/g/n)
Some specifications may be changed without notifications due to our policy of innovation.</sup>

Category	Function	S09EC.SSJS
	Air Supply Outlet	S3-M09JA3FC.EA6GEEU
	Airflow Direction Control (Left & Right)	5 Steps
	Airflow Direction Control (Up & Down)	6 Steps
	Auto Swing (Left & Right)	O
Air Flow	Auto Swing (Un & Down)	Ō
TTOW	Fan Speed Steps (Fan / Cool / Heat) Natural Wind (Auto Wind)	6 / 6 / 6
	Natural Wind (Auto Wind)	0
	Jet Cool / Jet Heat (Power Wind)	0/0
	Comfort Air	0
	Prefilter (Washable)	<u>0</u>
Air	Fine Dust Filter(Micro Dust Filter)	X
Air Purifying	Ultra Fine Dust Filter / PM 1.0 Sensor Allergy Filter	X
	Plasmaster Ionizer	X
Installation		X
motarration	Hot Start	Ö
D 11 1 1111	Self Diagnosis	Ö
Reliability	De-ice Control (Defrost)	Ó
	Dry (Dehumidification) Operation	0
	Auto Changeover	0
	Auto Operation (Artificial Intelligence)	X
	Auto Cleaning (Coil Dry)	0
	Auto Restart Operation	0
	Child Lock 1	0
	Forced Operation Group Control ¹	<u>U</u>
	Sleep Mode	Comfort Sleep (7hr)
	Timer 24hr (On/Off) / 7hr (Off)	0/0
	Timer (Weekly) 1	0
	Two Thermistor Control 1	Ō
Convenience	Low Ambient Operation	Ó
	Overheating Protection	0
	Low Heating	Χ
	Voice Control	X
	Outdoor Silent Mode	0
	Mosquito Away Smart Diagnosis	X 0
	Indoor Unit Display Type	Number Display
	Indoor Unit Display Type	On/Off
	Energy Display	0
	Air Quality Indicator (Dust Sensor)	X
	Energy Saving	Х
Energy	Energy Control	Active Energy Control
Energy Saving	Gen Mode	X
	kW Manager	X
	Wired Remote Controller (Premium) ²	X
	Wired Remote Controller (Standard) ²	PQRCVSL0(QW) / PREMTB(0/B)01
Individual	Wired Remote Controller (Simple with Mode Selection) 2	PQRCVCL0Q(W)
Control	Wired Remote Controller (Simple without Mode Selection) 2	PQRCHCA0Q(W)
	Handheld Wireless (See Remote Controller Section) Setting Temperature Range (Cooling)	5401614003(AKB76038403) 18~30 °C (64~86 °F)
	Controller Setting Temperature Range (Cooling) Setting Temperature Range (Heating)	16~30 °C (60~86 °F)
	General Central Controller (Non LGAP)	X
CAC	Network Solution (LGAP)	X
CAC Network Function	Dry Contact ²	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500
	PDI (Power Distribution Indicator) ²	X
	Outdoor Unit PI 485 ²	X
	Mí-Fi ²	Embedded
	Water Level Sensor Connection ²	X
Special	Wind Baffle Kit ²	X
Special Function Kit	Sump Heater Sheath Heater ²	X
131	Crank Case Heater	X X
	Smart Inverter Monitoring System (SIMs) ²	PSWMOZ3
	Mode Lock	Cooling Only or Heating Only
Others	DRED (Demand Response Enabling Device)	X
Hygiene	UV Nano	X
, 5	1-	

- Note
 O: Applied, X: Not applied
 Filters are optional in some specific areas.
 1: This function can be operated only when the wired remote controller is connected. The applicability of each function depends on the above table.

 • 2 : Optional accessories must be purchased separately. If shown as "Embedded", this function is included in product.

 • The function Wi-Fi is only compatible with 2.4 GHz band. (802.11 b/g/n)

 • Some specifications may be changed without notifications due to our policy of innovation.

Category	Function	PC12SC.SSJT S3-M12JA2DB.EA6GEEU
	Air Supply Outlet	1
	Airflow Direction Control (Left & Right)	5 Steps
	Airflow Direction Control (Up & Down)	6 Steps
۸: ۳	Auto Swing (Left & Right)	0
Air Flow	Auto Swing (Up & Down)	0
	Fan Speed Steps (Fan / Cool / Heat)	6 / 6 / 6
	Natural Wind (Auto Wind)	0
	Jet Cool / Jet Heat (Power Wind)	0/0
	Comfort Air	0
	Prefilter (Washable)	0
Air	Fine Dust Filter(Micro Dust Filter)	X
Air Purifying	Ultra Fine Dust Filter / PM 1.0 Sensor	X
	Allergy Filter	0
Installation	Plasmaster Ionizer Drain Pump	X
IIIStanation	Het Start	0
	Hot Start	0
Reliability	Self Diagnosis De-ice Control (Defrost)	0
-	Dry (Dehumidification) Operation	0
	Auto Changeover	0
	Auto Operation (Artificial Intelligence)	X
	Auto Cleaning (Coil Dry)	0
	Auto Cleaning (Con Dry) Auto Restart Operation	0
	Child Lock 1	0
	Forced Operation	0
	Group Control 1	X
	Sleep Mode	Comfort Sleep (7hr)
	Timer 24hr (On/Off) / 7hr (Off)	0/0
	Timer (Weekly) 1	0
	Two Thermistor Control 1	0
Convenience	Low Ambient Operation	0
	Overheating Protection	0
	Low Heating	X
	Voice Control	X
	Outdoor Silent Mode	0
	Mosquito Away	X
	Smart Diagnosis	0
	Indoor Unit Display Type	Number Display
	Indoor Unit Display Light	On/Off
	Energy Display	0
	Air Quality Indicator (Dust Sensor)	X
_	Energy Saving Energy Control	X Active Energy Central
Energy Saving	Gen Mode	Active Energy Control
Saving	kW Manager	X X
	5	
	Wired Remote Controller (Premium) 2	X DODOVCI O/OWA / DDEMTD/O/DV04
	Wired Remote Controller (Standard) 2	PQRCVSL0(QW) / PREMTB(0/B)01 PQRCVCL0Q(W)
Individual Control	Wired Remote Controller (Simple with Mode Selection) 2	PQRCVCLUQ(W) PQRCHCA0Q(W)
Control	Wired Remote Controller (Simple without Mode Selection) 2	FUNCHOAUU(VV) 5/0161/003/AVP76039/03\
	Handheld Wireless (See Remote Controller Section) Setting Temperature Range (Cooling)	5401614003(AKB76038403) 18~30 °C (64~86 °F)
	Setting Temperature Range (Cooling) Setting Temperature Range (Heating)	16~30 °C (60~86 °F)
	General Central Controller (Non LGAP)	X
CAC	Network Solution (LGAP)	Ŷ Ÿ
		PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500
Network	IDry Contact 2	
Network Function	Dry Contact ² PDI (Power Distribution Indicator) ²	X
Network Function	Dry Contact ² PDI (Power Distribution Indicator) ² Outdoor Unit PI 485 ²	X
Network Function	PDI (Power Distribution Indicator) ²	X X X Embedded
Network Function	PDI (Power Distribution Indicator) ² Outdoor Unit PI 485 ² Wi-Fi ²	X X Embedded X
Network Function	PDI (Power Distribution Indicator) ² Outdoor Unit PI 485 ²	X X X Embedded X X
Network Function	PDI (Power Distribution Indicator) ² Outdoor Unit PI 485 ² WI-Fi ² Water Level Sensor Connection ²	X X Embedded X X X
Special Function Kit	PDI (Power Distribution Indicator) ² Outdoor Unit PI 485 ² Wi-Fi ² Water Level Sensor Connection ² Wind Baffle Kit ²	X X Embedded X X X X
Network Function	PDI (Power Distribution Indicator) ² Outdoor Unit PI 485 ² WI-Fi ² Water Level Sensor Connection ² Wind Baffle Kit ² Sump Heater Sheath Heater ² Crank Case Heater	X X X X X
Network Function	PDI (Power Distribution Indicator) ² Outdoor Unit PI 485 ² WI-Fi ² Water Level Sensor Connection ² Wind Baffle Kit ² Sump Heater Sheath Heater ²	X X X X
Special Function Sit Special Function Kit	PDI (Power Distribution Indicator) ² Outdoor Unit PI 485 ² WI-Fi ² Water Level Sensor Connection ² Wind Baffle Kit ² Sump Heater Sheath Heater ² Crank Case Heater	X X X X X
Network Function	PDI (Power Distribution Indicator) ² Outdoor Unit PI 485 ² WI-Fi ² Water Level Sensor Connection ² Wind Baffle Kit ² Sump Heater Sheath Heater ² Crank Case Heater Smart Inverter Monitoring System (SIMs) ²	X X X X X X PSWMOZ3

<sup>Note
O : Applied, X : Not applied
Filters are optional in some specific areas.
1 : This function can be operated only when the wired remote controller is connected. The applicability of each function depends on</sup>

^{2 :} Optional accessories must be purchased separately. If shown as "Embedded", this function is included in product.
The function Wi-Fi is only compatible with 2.4 GHz band. (802.11 b/g/n)
Some specifications may be changed without notifications due to our policy of innovation.

Category	Function	S12EC.SSJS
	Air Supply Outlet	S3-M12JA3FC.EA6GEEU 1
	Airflow Direction Control (Left & Right)	5 Steps
	Airflow Direction Control (Left & Night) Airflow Direction Control (Up & Down)	6 Steps
	Auto Swing (Left & Pight)	0
Air Flow	Auto Swing (Up & Down) Fan Speed Steps (Fan / Cool / Heat) Natural Wind (Auto Wind)	Ō
FIOW	Fan Speed Steps (Fan / Cool / Heat)	6 / 6 / 6
	Natural Wind (Auto Wind)	0
	Jet Cool / Jet Heat (Power Wind)	0/0
	Comfort Air	0
	Prefilter (Washable)	0
Δir	Fine Dust Filter(Micro Dust Filter)	X
Air Purifying	Ultra Fine Dust Filter / PM 1.0 Sensor	X
, ,	Allergy Filter	X
Installation	Plasmaster Ionizer	X X
installation	Drain Pump Hot Start	<u>X</u>
	Polf Diagnosis	0
Reliability	Self Diagnosis De-ice Control (Defrost)	0
_	Dry (Dehumidification) Operation	0
	Auto Changeover	0
	Auto Operation (Artificial Intelligence)	X
	Auto Cleaning (Coil Dry)	0
	Auto Restart Operation	<u> </u>
	Child Lock 1	Ö
	Forced Operation Group Control ¹	Ö
	Group Control 1	X
	Sleep Mode	Comfort Sleep (7hr)
	Timer 24hr (On/Off) / 7hr (Off)	0/0
	Timer (Weekly) 1	0
Convenience	Two Thermistor Control ¹	0
Convenience	Low Ambient Operation	0
	Overheating Protection	0
	Low Heating	X
	Voice Control	X
	Outdoor Silent Mode	0
	Mosquito Away	X 0
	Smart Diagnosis Indoor Unit Display Type	Number Display
	Indoor Unit Display Type Indoor Unit Display Light	On/Off
	Energy Display	0
	Air Quality Indicator (Dust Sensor)	X X
	Energy Saving	X
Energy	Energy Control	Active Energy Control
Energy Saving	Gen Mode	X
ĺ	kW Manager	X
	Wired Remote Controller (Premium) ²	X
	Wired Remote Controller (Standard) 2	PQRCVSL0(QW) / PREMTB(0/B)01
	Wired Remote Controller (Simple with Mode Selection) 2	PQRCVCL0Q(W)
Individual	Wired Remote Controller (Simple without Mode Selection) 2	PQRCHCA0Q(W)
Control	Handheld Wireless (See Remote Controller Section) Setting Temperature Range (Cooling) Setting Temperature Range (Modified)	5401614003(AKB76038403)
	Controller Setting Temperature Range (Cooling)	18~30 °C (64~86 °F)
	Setting reinperature Range (Heating)	16~30 °C (60~86 °F)
	General Central Controller (Non LGAP)	X
CAC	Network Solution (LGAP)	X
CAC Network Function	Dry Contact ²	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500
	PDI (Power Distribution Indicator) ²	X
	Outdoor Unit PI 485 ²	X
	Wi-Fi ²	Embedded
	Water Level Sensor Connection ²	X
Special	Wind Baffle Kit ²	X
Special Function Kit	Sump Heater	X
IXIT.	Sheath Heater ²	X
	Crank Case Heater Smart Inverter Monitoring System (SIMs) ²	X PSWMOZ3
	IMode Lock	
Others	Mode Lock DRED (Demand Response Enabling Device)	Cooling Only or Heating Only X
Others Hygiene	Mode Lock DRED (Demand Response Enabling Device) UV Nano	Cooling Only or Heating Only X X

<sup>Note
O: Applied, X: Not applied
Filters are optional in some specific areas.
1: This function can be operated only when the wired remote controller is connected. The applicability of each function depends on the above table.
2: Optional accessories must be purchased separately. If shown as "Embedded", this function is included in product.
The function Wi-Fi is only compatible with 2.4 GHz band. (802.11 b/g/n)
Some specifications may be changed without notifications due to our policy of innovation.</sup>

Category	Function	PC18SC.SSKT S3-M18KL2DB.EA6GEEU
	Air Supply Outlet	1
	Airflow Direction Control (Left & Right)	5 Steps
	Airflow Direction Control (Up & Down)	6 Steps
	Auto Swing (Left & Right)	0 Steps
Air Flow	Auto Swing (Left & Night) Auto Swing (Up & Down)	0
Flow	Fan Speed Steps (Fan / Cool / Heat)	6 / 6 / 6
	Natural Wind (Auto Wind)	0
	Jet Cool / Jet Heat (Power Wind)	0/0
	Comfort Air	0
	Prefilter (Washable)	0
۸ir	Fine Dust Filter(Micro Dust Filter) Ultra Fine Dust Filter / PM 1.0 Sensor	X
Air Purifying	Ultra Fine Dust Filter / PM 1.0 Sensor	X
i unitying	Allergy Filter	0
	Plasmaster Ionizer	Χ
Installation	Drain Pump	Х
	Hot Start	0
	Self Diagnosis	Ō
Reliability	De-ice Control (Defrost)	Ö
	Dry (Dehumidification) Operation	0
	Auto Changeover	0
	Auto Oneration (Artificial Intelligence)	X
	Auto Operation (Artificial Intelligence) Auto Cleaning (Coil Dry)	^ 0
	Auto Doctort Operation	0
	Auto Restart Operation	
	Child Lock 1	0
	Forced Operation	0
	Group Control 1	X
	Sleep Mode	Comfort Sleep (7hr)
	Timer 24hr (On/Off) / 7hr (Off)	0/0
	Timer (Weekly) 1	0
0	Two Thermistor Control ¹	0
Convenience	Low Ambient Operation	0
	Overheating Protection	Ō
	Low Heating	X
	Voice Control	X
	Outdoor Silent Mode	0
	Mosquito Away	X
	Smart Diagnosis	0
	Indoor Unit Display Type	Number Display
	Indoor Unit Display Type Indoor Unit Display Light	On/Off
		-
	Energy Display	0
	Air Quality Indicator (Dust Sensor)	X
	Energy Saving	X
Energy Saving	Energy Control	Active Energy Control
Saviñĝ	Gen Mode	X
	kW Manager	X
	Wired Remote Controller (Premium) ²	Χ
	Wired Remote Controller (Standard) ²	PQRCVSL0(QW) / PREMTB(0/B)01
	Wired Remote Controller (Simple with Mode Selection) ²	PQRCVCL0Q(W)
Individual	Wired Remote Controller (Simple with Mode Selection) ²	PQRCHCA0Q(W)
Control	(See Remote Controller Section)	5401614003(AKB76038403)
	lidiulielu viileless Rotting Tomporaturo Dango (Cooling) I	18~30 °C (64~86 °F)
	Controller Setting reinperature Range (Cooling)	16~30 °C (60~86 °F)
	Setting Temperature Range (Heating)	10~30 C (00~00 F)
	General Central Controller (Non LGAP)	X V
,,ÇAC	Network Solution (LGAP)	X
Network Function	Dry Contact 2	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500
runction	PDI (Power Distribution Indicator) ²	X
	Outdoor Unit PI 485 ²	PMNFP14A1
	M-Fi ²	Embedded
	Water Level Sensor Connection ²	X
Special	Wind Baffle Kit ²	X
Special Function Kit	Sump Heater	Х
Kit	Sheath Heater ²	X
KIL	Crank Case Heater	
KIL		
Kit		PSWMO73
	Smart Inverter Monitoring System (SIMs) ²	PSWMOZ3 Cooling Only or Heating Only
Others	Smart Inverter Monitoring System (SIMs) ² Mode Lock	Cooling Only or Heating Only
	Smart Inverter Monitoring System (SIMs) ²	

<sup>Note
O: Applied, X: Not applied
Filters are optional in some specific areas.
1: This function can be operated only when the wired remote controller is connected. The applicability of each function depends on</sup> the above table.

• 2 : Optional accessories must be purchased separately. If shown as "Embedded", this function is included in product.

• The function Wi-Fi is only compatible with 2.4 GHz band. (802.11 b/g/n)

• Some specifications may be changed without notifications due to our policy of innovation.

Category	Function	S18EC.SSKS S3-M18KL3FC.EA6GEEU
	Air Supply Outlet	1
	Airflow Direction Control (Left & Pight)	5 Steps
	Airflow Direction Control (Up & Down)	6 Steps
	Auto Swing (Left & Right)	0
Air Flow	Auto Swing (Up & Down)	0
1100	Fan Speed Steps (Fan / Cool / Heat)	6 / 6 / 6
	Natural Wind (Auto Wind)	0
	Jet Cool / Jet Heat (Power Wind)	0/0
	Comfort Air	0
	Prefilter (Washable)	0
۸۱۰	Fine Dust Filter(Micro Dust Filter)	Х
Air Purifying	Ultra Fine Dust Filter / PM 1.0 Sensor	X
,3	Allergy Filter	X
	Plasmaster Ionizer	X
Installation	Drain Pump	X
	Hot Start	0
Reliability	Self Diagnosis De-ice Control (Defrost)	0
ricitability	De-ice Control (Defrost)	0
	Dry (Dehumidification) Operation	0
	Auto Changeover	0
	Auto Operation (Artificial Intelligence)	X
	Auto Cleaning (Coil Dry)	0
	Auto Restart Operation	0
	Child Lock ¹	0
	Forced Operation	0
	Group Control 1	X
	Sleep Mode	Comfort Sleep (7hr)
	Timer 24hr (On/Off) / 7hr (Off)	0/0
	Timer (Weekly) 1	0
Convenience	Two Thermistor Control ¹	0
Oomvemence	Low Ambient Operation	0
	Overheating Protection	0
	Low Heating	X
	Voice Control	X
	Outdoor Silent Mode	0
	Mosquito Away	X
	Smart Diagnosis	0
	Indoor Unit Display Type	Number Display
	Indoor Unit Display Light	On/Off
	Energy Display	0
	Air Quality Indicator (Dust Sensor)	X
	Energy Saving	X Antique Financia Control
Energy Saving	Energy Control	Active Energy Control
Saving	Gen Mode	X
	kW Manager	X
	Wired Remote Controller (Premium) ²	X
	Wired Remote Controller (Standard) ²	PQRCVSL0(QW) / PREMTB(0/B)01
Individual	Wired Remote Controller (Simple with Mode Selection) ²	PQRCVCL0Q(W)
Control	Wired Remote Controller (Simple without Mode Selection) ²	PQRCHCA0Q(W)
	Handheld Wireless (See Remote Controller Section)	5401614003(AKB76038403)
	Handheld Wireless (See Remote Controller Section) Setting Temperature Range (Cooling)	18~30 °C (64~86 °F)
	Setting Temperature Range (Heating)	16~30 °C (60~86 °F)
	General Central Controller (Non LGAP)	X
CAC Network Function	Network Solution (LGAP)	X
	Dry Contact 2	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500
Function	PDI (Power Distribution Indicator) ²	X
Function	Di (1 ovol biolistica)	X
Function	Outdoor Unit PI 485 ²	
Function	Outdoor Unit PI 485 ² Wi-Fi ²	Embedded
	Outdoor Unit PI 485 ² Wi-Fi ² Water Level Sensor Connection ²	
	Outdoor Unit PI 485 ² Wi-Fi ² Water Level Sensor Connection ² Wind Baffle Kit ²	
	Outdoor Unit PI 485 ² W-Fi ² Water Level Sensor Connection ² Wind Baffle Kit ² Sump Heater	Embedded X X X X X
Special Function Kit	Outdoor Unit PI 485 ² Wi-Fi ² Water Level Sensor Connection ² Wind Baffle Kit ² Sump Heater Sheath Heater ²	Embedded X X X X X X X
	Outdoor Unit PI 485 ² Wi-Fi ² Water Level Sensor Connection ² Wind Baffle Kit ² Sump Heater Sheath Heater ² Crank Case Heater	Embedded X X X X X X X X X
	Outdoor Unit PI 485 ² WFi ² Water Level Sensor Connection ² Wind Baffle Kit ² Sump Heater Sheath Heater ² Crank Case Heater Smart Inverter Monitoring System (SIMs) ²	Embedded X X X X X X X PSWMOZ3
	Outdoor Unit PI 485 ² W-Fi ² Water Level Sensor Connection ² Water Baffle Kit ² Sump Heater Sheath Heater ² Crank Case Heater Smart Inverter Monitoring System (SIMs) ² Mode Lock	Embedded X X X X X X X PSWMOZ3 Cooling Only or Heating Only
Special Function Kit	Outdoor Unit PI 485 ² WFi ² Water Level Sensor Connection ² Wind Baffle Kit ² Sump Heater Sheath Heater ² Crank Case Heater Smart Inverter Monitoring System (SIMs) ²	Embedded X X X X X X X PSWMOZ3

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Filters are optional in some specific areas.
1: This function can be operated only when the wired remote controller is connected. The applicability of each function depends on the above table.
2: Optional accessories must be purchased separately. If shown as "Embedded", this function is included in product.
The function Wi-Fi is only compatible with 2.4 GHz band. (802.11 b/g/n)
Some specifications may be changed without notifications due to our policy of innovation.</sup>

Category	Function	PC24SC.SSKT
	Air Supply Outlet	S3-M24K22DB.EA6GEEU
	Airflow Direction Control (Left & Right)	5 Steps
	Airflow Direction Control (Up & Down)	6 Steps
	Auto Swing (Left & Pight)	0
Air Flow	Auto Swing (Up & Down) Fan Speed Steps (Fan / Cool / Heat) Natural Wind (Auto Wind)	0
	Fan Speed Steps (Fan / Cool / Heat)	6 / 6 / 6
	Natural Wind (Auto Wind)	0
	Jet Cool / Jet Heat (Power Wind) Comfort Air	0/0
	Prefilter (Washable)	0
	Fine Dust Filter(Micro Dust Filter)	X
Air Purifying	Ultra Fine Dust Filter / PM 1.0 Sensor	X
1 dillyllig	Allergy Filter	0
	Plasmaster Ionizer	X
Installation	Drain Pump Hot Start	X 0
	Rolf Diagnosis	0
Reliability	Self Diagnosis De-ice Control (Defrost)	0
	Dry (Dehumidification) Operation	0
	Auto Changeover	0
	Auto Operation (Artificial Intelligence)	X
	Auto Cleaning (Coil Dry)	0
	Auto Restart Operation	0
	Child Lock 1 Exceed Operation	0 0
	Forced Operation Group Control ¹	<u>V</u>
	Sleep Mode	Comfort Sleep (7hr)
	Timer 24hr (On/Off) / 7hr (Off)	0/0
	Timer (Weekly) 1	0
Convenience	Two Thermistor Control ¹	0
Convenience	Low Ambient Operation	0
	Overheating Protection	0 X
	Low Heating Voice Control	X
	Outdoor Silent Mode	0
	Mosquito Away	X
	Smart Diagnosis	0
	Indoor Unit Display Type	Number Display
	Indoor Unit Display Light	On/Off
	Energy Display Air Quality Indicator (Dust Sensor)	O
	Energy Saving	X
Energy	Energy Control	Active Energy Control
Energy Saving	Gen Mode	X
	kW Manager	X
	Wired Remote Controller (Premium) ²	X
	Wired Remote Controller (Standard) ²	PQRCVSL0(QW) / PREMTB(0/B)01
Individual	Wired Remote Controller (Simple with Mode Selection) 2	PQRCVCL0Q(W)
Control	Wired Remote Controller (Simple without Mode Selection) 2	PQRCHCA0Q(W)
	Handheld Wreless (See Remote Controller Section) Setting Temperature Range (Cooling) Setting Temperature Range (Modified)	5401614003(AKB76038403) 18~30 °C (64~86 °F)
	Setting Temperature Range (Heating)	16~30 °C (60~86 °F)
	General Central Controller (Non LGAP)	X
CAC	Network Solution (LGAP)	X
CAC Network Function	Dry Contact ²	PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500
	PDI (Power Distribution Indicator) ²	X
	Outdoor Unit PI 485 ²	PMNFP14A1
	M-Fi ² Water Level Sensor Connection ²	Embedded V
Special .	Wind Baffle Kit ²	X
Special Function Kit	Sump Heater	X
Kit	Sheath Heater ²	X
	Crank Case Heater	X
	Smart Inverter Monitoring System (SIMs) ²	PSWMOZ3
Others	Mode Lock	Cooling Only or Heating Only
	DRED (Demand Response Enabling Device)	X
Hygiene	IUV Nano	X

<sup>Note
O: Applied, X: Not applied
Filters are optional in some specific areas.
1: This function can be operated only when the wired remote controller is connected. The applicability of each function depends on the characteristics.</sup> the above table.

• 2 : Optional accessories must be purchased separately. If shown as "Embedded", this function is included in product.

• The function Wi-Fi is only compatible with 2.4 GHz band. (802.11 b/g/n)

• Some specifications may be changed without notifications due to our policy of innovation.

Air Supply Outlet	Category	Function	S24EC.SSKS S3-M24K23FC.EA6GEEU
Afrillow Direction Control (Left & Right) 5 Steps		Air Supply Outlet	1
Airflow Direction Control (Up & Down)		Airflow Direction Control (Left & Pight)	5 Steps
Auto Swing (Left & Vigint)		Airflow Direction Control (Up & Down)	
Auto Swing (Up & Down)		Auto Swing (Left & Right)	
Fan Speed Steps (Fan / Cool / Heatt)	_Air	Auto Swing (Up & Down)	
Natural Wind (Auto Wind)	FIOW	Fan Speed Steps (Fan / Cool / Heat)	6/6/6
Jet Cool / Jet Heat (Power Wind)			
Comfort Air Composition			
Priffiler (Washable)			
Pair Fine Dust Filter Motor Sensor X X X X X X X X X			
Purifying		Fine Dust Filter(Micro Dust Filter)	
Installation	Air		
Plasmaster lonizer	Puniying		
Installation Drain Pump			
Hot Start	Installation	Drain Pump	X
Reliability Self Diagnosis O O O O O O O O O	otarration	Hot Start	Ô
Dry (Dehumidification) Operation		Self Diagnosis	
Dry (Dehumidification) Operation	Reliability	De-ice Control (Defrost)	•
Auto Changeover		Dry (Dehumidification) Operation	
Auto Cleaning (Coil Dry)			
Auto Cleaning (Coil Dry)			
Auto Restart Operation		Auto Cleaning (Coil Dry)	
Child Lock			
Forced Operation			
Convenience Sieep Mode Timer (24hr (On/Off) / 7hr (Off) O			
Sleep Mode		Group Control 1	Y
Timer (24 (On/Off) / 7 hr (Off) O		Sloop Mode	Comfort Sloop (7hr)
Timer (Weekly)		Timor 24hr (On/Off) / 7hr (Off)	
Two Thermistor Control Cow Ambient Operation O Cow Ambient Opera		Timer (Moddy) 1	
Convenience		Two Thermister Centrel 1	
Overheating Protection	Convenience		
Low Heating			
Voice Control			
Outdoor Silent Mode			
Mosquito Away		Outdoor Cilont Modo	
Smart Diagnosis			
Indoor Unit Display Light		Smort Diagnosis	
Individual Control CAC Network Function Cac Network Function		Indear Unit Dianlay Type	
Energy Display		Indoor Unit Display Type	
Air Quality Indicator (Dust Sensor)			
Energy Saving			
Energy Saving Energy Control Sen Mode X			
Saving Gen Mode	_		
Manager	Energy		
Mired Remote Controller (Premium) 2 Wired Remote Controller (Standard) 2 PQRCVSL0(QW) / PREMTB(0/B)01	Saving		
Mired Remote Controller (Standard) 2 PQRCVSL0(QW) / PREMTB(0/B)01			
Mired Remote Controller (Simple with Mode Selection) 2		Wired Remote Controller (Premium) ²	
Mired Remote Controller (Simple without Mode Selection) 2			PQRCVSL0(QW) / PREMTB(0/B)01
Handheld Wireless	Individual		
Handheld Wireless Controller Setting Temperature Range (Cooling) 18~30 °C (64~86 °F)	Control	Wired Remote Controller (Simple without Mode Selection) ²	
Setting Temperature Range (Heating) 16~30 °C (60~86 °F)		Handhold Wireless (See Remote Controller Section)	5401614003(AKB76038403)
Setting Temperature Range (Heating) 16~30 °C (60~86 °F)		Controller Setting Temperature Range (Cooling)	18~30 °C (64~86 °F)
CAC Network Network Solution (LGAP) X Network Solution (LGAP) Dry Contact PDRYCB000, PDRYCB100, PDRYCB500 Y Network PDI (Power Distribution Indicator) PDI (Power Distribution Indicator) Y Y Network PDI (Power Distribution Indicator) Y Y Network Y Y Network Y N		Setting Temperature Range (Heating)	16~30 °C (60~86 °F)
CAC Network Function Network Solution (LGAP) X Network Function Dry Contact 2 PDI (Power Distribution Indicator) 2 Outdoor Unit PI 485 2 Water Level Sensor Connection 2 Water L		General Central Controller (Non LGAP)	X
Dry Contact 2	Network	Network Solution (LGAP)	X
Special Function Wind First			PDRYCB000, PDRYCB100, PDRYCB400, PDRYCB500
Wi-Fi 2			X
Water Level Sensor Connection 2			X
Water Level Sensor Connection 2 X Wind Baffle Kit 2 X Sump Heater Sump Heate			Embedded
Wind Baffle Kit 2		Water Level Sensor Connection ²	X
Crank Case Heater Smart Inverter Monitoring System (SIMs) 2 Others Others Others Crank Case Heater X PSWMOZ3 Cooling Only or Heating Only X X Cooling Only or Heating Only X	Special Function Kit	Mind Baffle Kit ²	X
Crank Case Heater Smart Inverter Monitoring System (SIMs) 2 Others Others Others Crank Case Heater X PSWMOZ3 Cooling Only or Heating Only X X Cooling Only or Heating Only X		Sump Heater	X
Crank Case Heater X Smart Inverter Monitoring System (SIMs) 2 PSWMOZ3 Others Mode Lock Cooling Only or Heating Only DRED (Demand Response Enabling Device) X			X
Smart Inverter Monitoring System (SIMs) ² PSWMOZ3 Others Mode Lock Cooling Only or Heating Only Name of Cooling Only or Heating Only X			
Others			
Others DRED (Demand Response Enabling Device) X	041		
	Otners		
	Hygiene	UV Nano	X

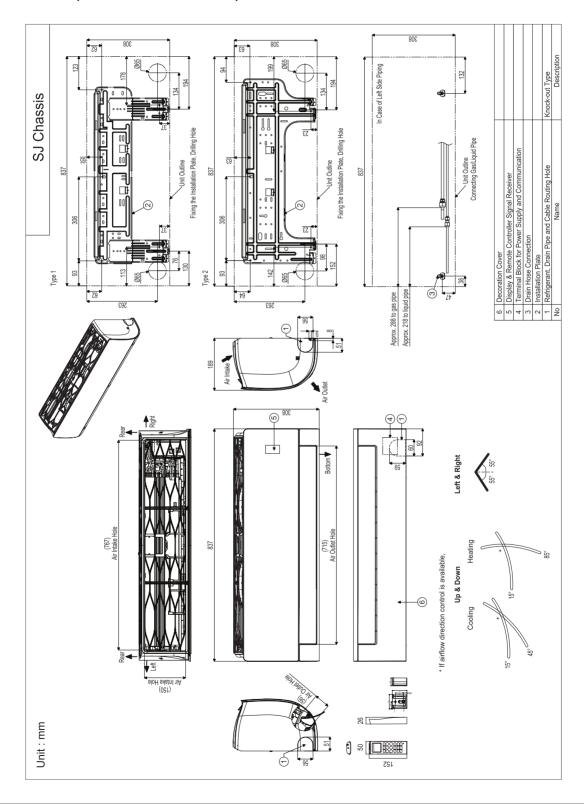
Note
• O : Applied, X : Not applied
• Filters are optional in some specific areas.
• 1 : This function can be operated only when the wired remote controller is connected. The applicability of each function depends on the charge table

**Table 2 - Table 2 -* Inis function can be operated only when the wired remote controller is connected. The applicability of each function the above table.
 * 2 : Optional accessories must be purchased separately. If shown as "Embedded", this function is included in product.
 * The function Wi-Fi is only compatible with 2.4 GHz band. (802.11 b/g/n)
 * Some specifications may be changed without notifications due to our policy of innovation.



5.1 Indoor Unit

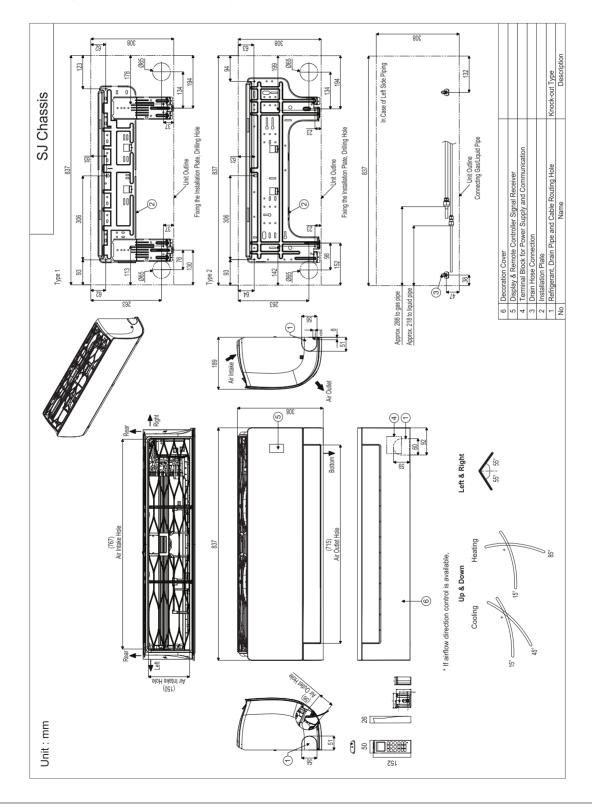
PC09SC.NSJT (S3NM09JA2DB.EA6GEEU)



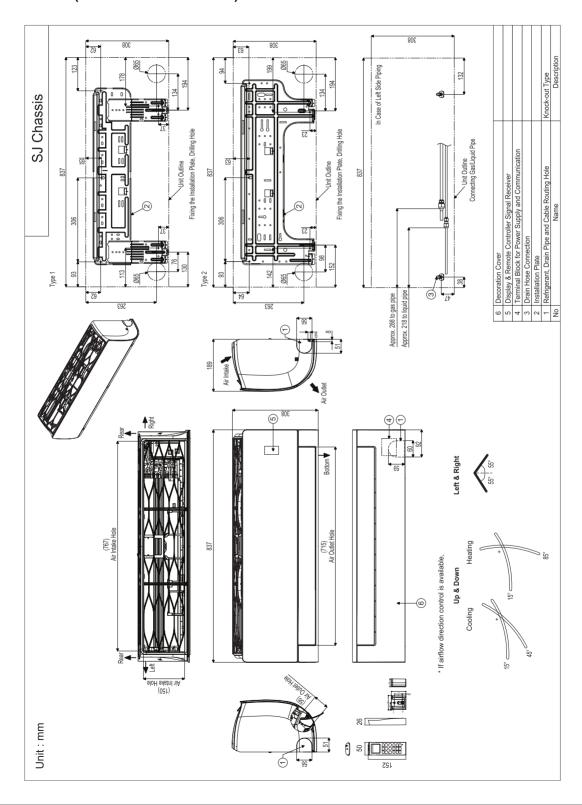
Invert

5. Dimensional Drawings

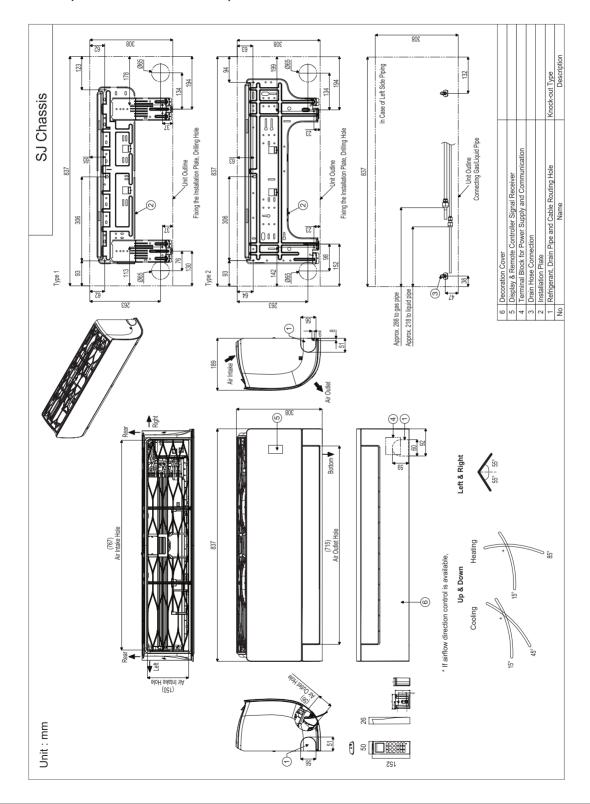
S09EC.NSJS (S3NM09JA3FC.EA6GEEU)



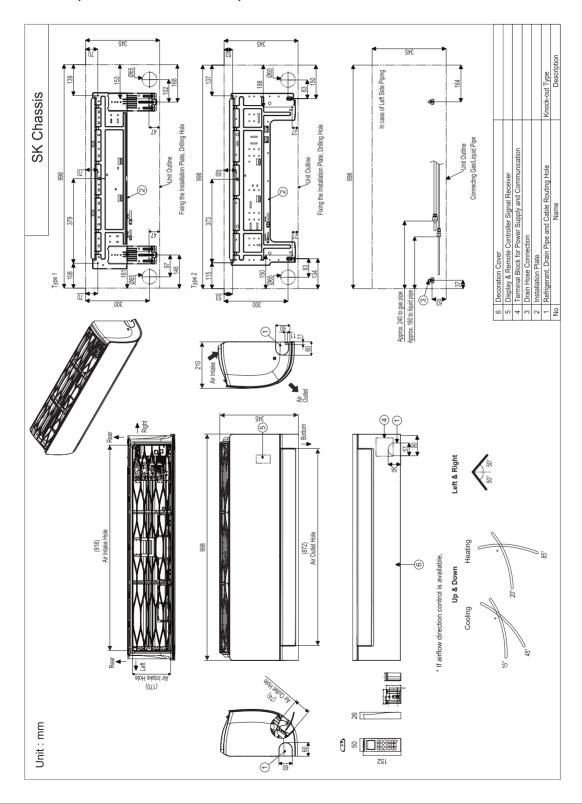
PC12SC.NSJT (S3NM12JA2DB.EA6GEEU)



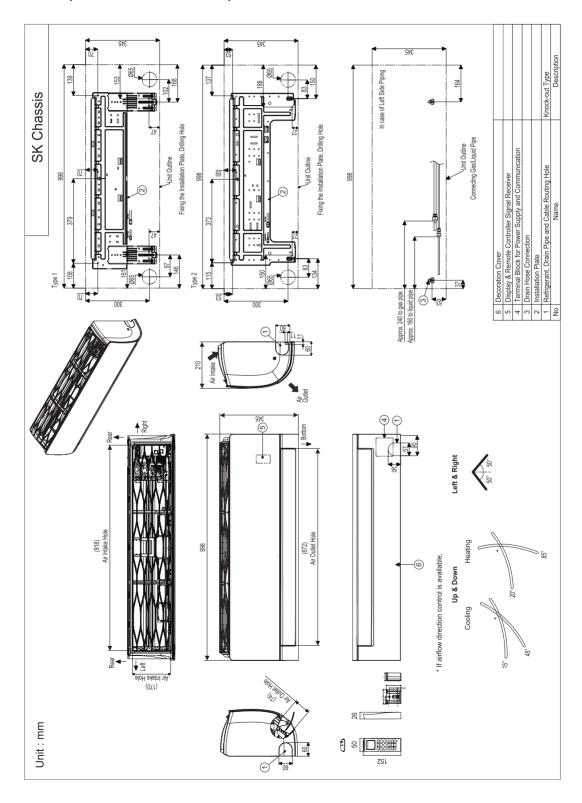
S12EC.NSJS (S3NM12JA3FC.EA6GEEU)



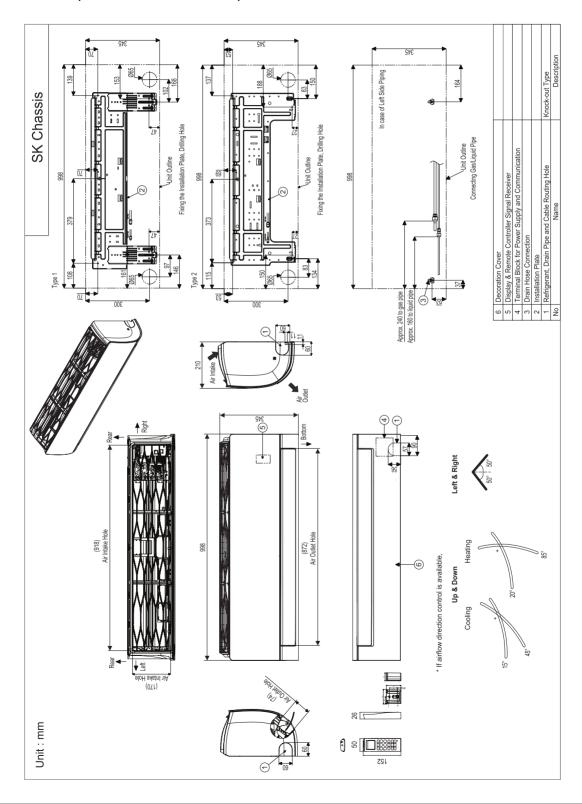
PC18SC.NSKT (S3NM18KL2DB.EA6GEEU)



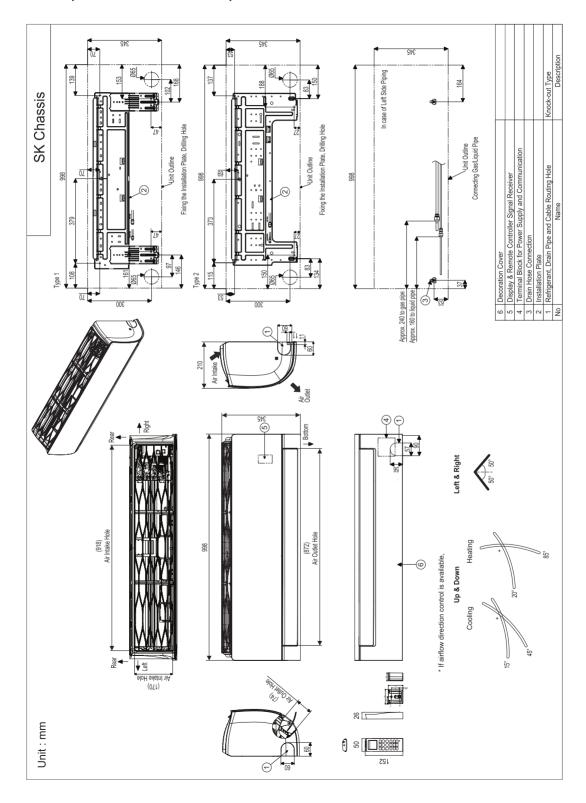
S18EC.NSKS (S3NM18KL3FC.EA6GEEU)



PC24SC.NSKT (S3NM24K22DB.EA6GEEU)



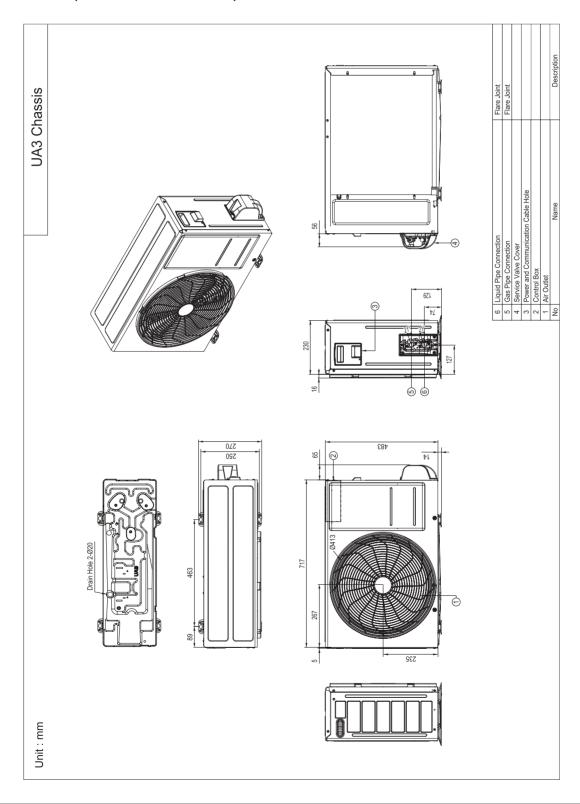
S24EC.NSKS (S3NM24K23FC.EA6GEEU)



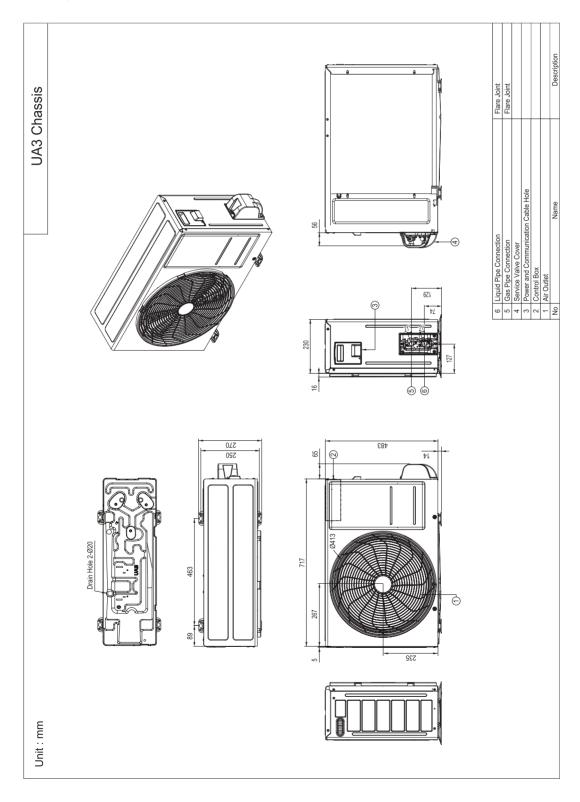


5.2 Outdoor Unit

PC09SC.UA3T (S3UM09JA2DB.EA6GEEU)

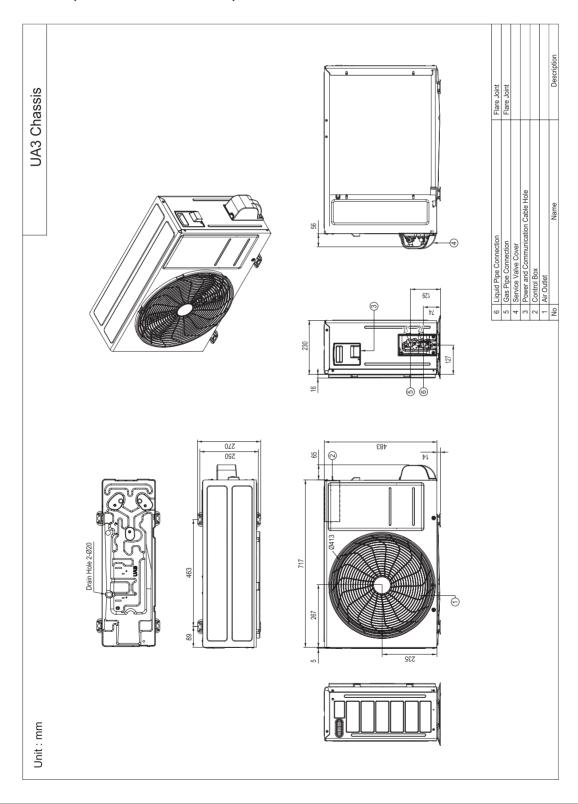


S09EC.UA3S (S3UM09JA3FC.EA6GEEU)

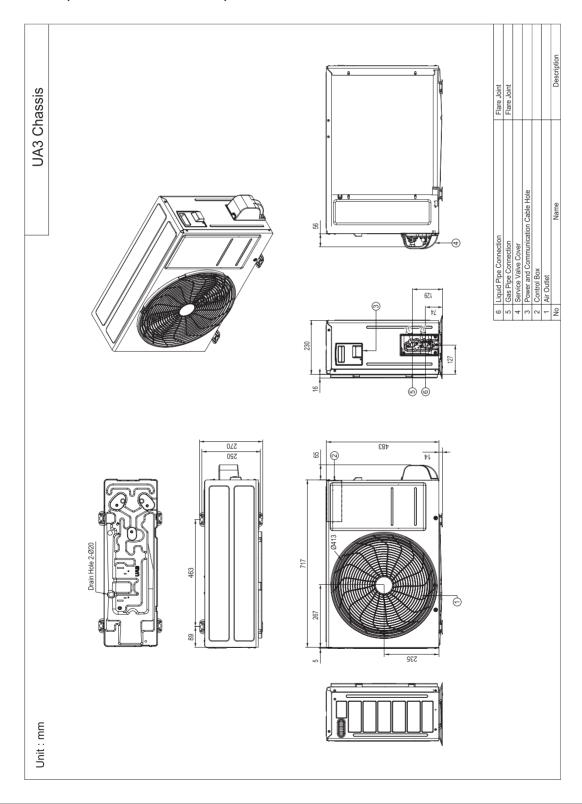




PC12SC.UA3T (S3UM12JA2DB.EA6GEEU)

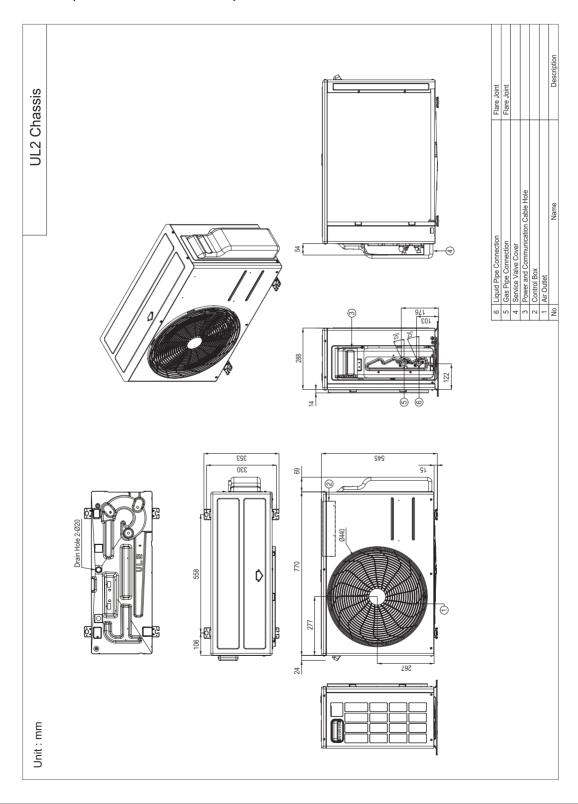


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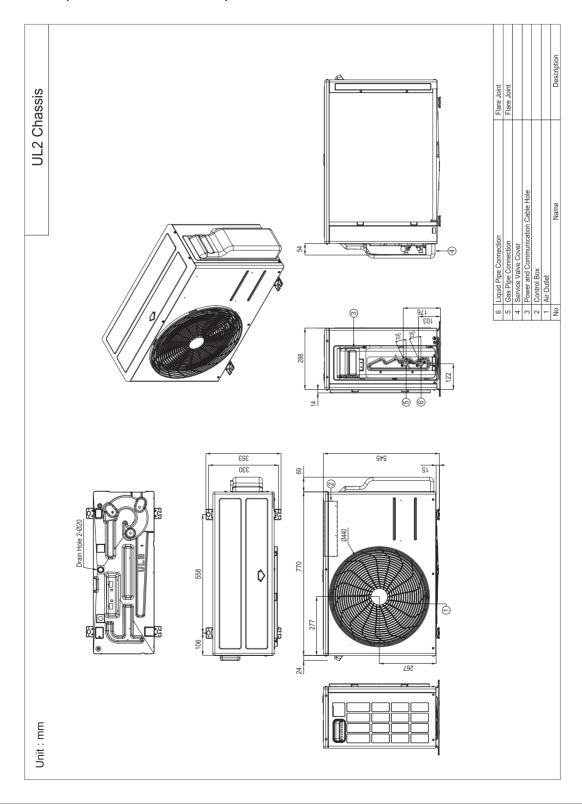




PC18SC.UL2T (S3UM18KL2DB.EA6GEEU)

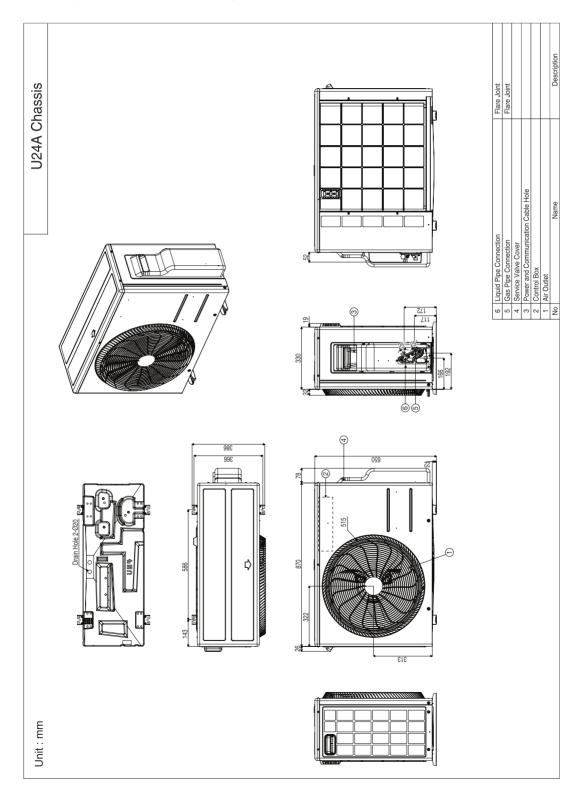


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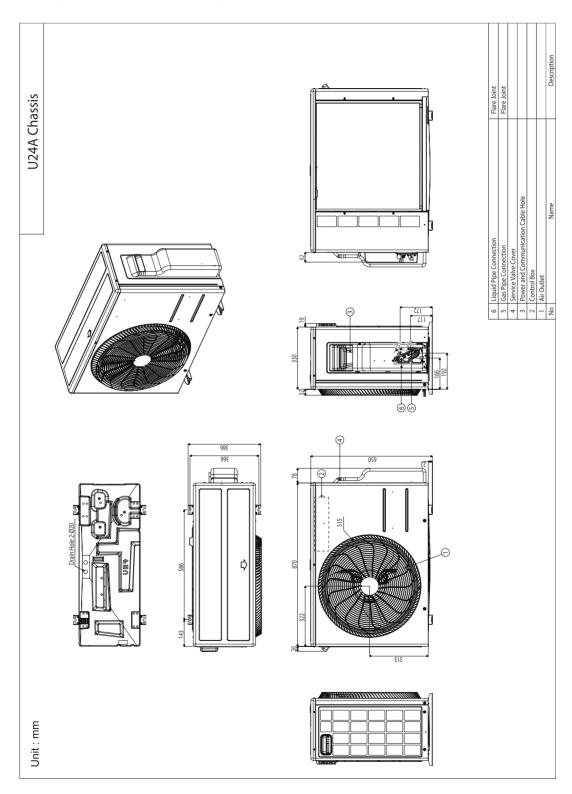




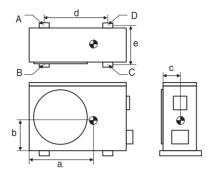
PC24SC.U24T (S3UM24K22DB.EA6GEEU)



S24EC.U24S (S3UM24K23FC.EA6GEEU)



5.3 Corner Weight and Center of Gravity Dimension for Outdoor Unit



Model			Tool Weight (kg)		Center of Gravity (mm)			Leg (mm)		Corner Weight (kg)			
Wodei	1001	Shipping	Net	а	b	С	d	е	Α	В	С	D	
PC09SC.UA3T	U12A	27.2	25.1	475	219	113	463	256	1.8	2.3	10.7	10.2	
S09EC.UA3S	U12A	27.2	25.1	475	219	113	463	256	1.8	2.3	10.7	10.2	
PC12SC.UA3T	U12A	27.2	25.1	475	219	113	463	256	1.8	2.3	10.7	10.2	
S12EC.UA3S	U12A	27.2	25.1	475	219	113	463	256	1.8	2.3	10.7	10.2	
PC18SC.UL2T	U18A	37.2	34.4	507	237	143	558	330	4.7	4.9	12.5	12.3	
S18EC.UL2S	U18A	37.2	34.4	507	237	143	558	330	4.7	4.9	12.5	12.3	
PC24SC.U24T	U24A	50.0	46.0	565	260	150	586	366	5.4	7.4	17.6	15.6	
S24EC.U24S	U24A	50.0	46.0	565	260	150	586	366	5.4	7.4	17.6	15.6	

Model	Model Tool		Weight (lb.)		Center of Gravity (in.)			Leg (in.)		Corner Weight (ib.)			
Wiodei	1001	Shipping	Net	а	b	С	d	е	Α	В	С	D	
PC09SC.UA3T	U12A	60.0	55.3	18-11/16	8-5/8	4-7/16	18-7/32	10-3/32	4.1	5.1	23.6	22.5	
S09EC.UA3S	U12A	60.0	55.3	18-11/16	8-5/8	4-7/16	18-7/32	10-3/32	4.1	5.1	23.6	22.5	
PC12SC.UA3T	U12A	60.0	55.3	18-11/16	8-5/8	4-7/16	18-7/32	10-3/32	4.1	5.1	23.6	22.5	
S12EC.UA3S	U12A	60.0	55.3	18-11/16	8-5/8	4-7/16	18-7/32	10-3/32	4.1	5.1	23.6	22.5	
PC18SC.UL2T	U18A	82.0	75.8	19-31/32	9-11/32	5-5/8	21-31/32	13	10.4	10.9	27.5	27.0	
S18EC.UL2S	U18A	82.0	75.8	19-31/32	9-11/32	5-5/8	21-31/32	13	10.4	10.9	27.5	27.0	
PC24SC.U24T	U24A	110.2	101.4	22-1/4	10-1/4	5-29/32	23-1/16	14-13/32	12.0	16.3	38.7	34.4	
S24EC.U24S	U24A	110.2	101.4	22-1/4	10-1/4	5-29/32	23-1/16	14-13/32	12.0	16.3	38.7	34.4	

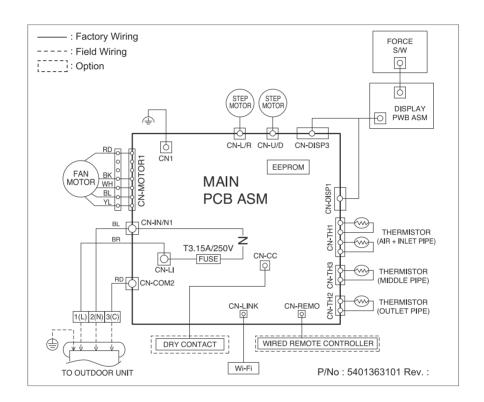
Note

[•] Design features and information of indoor and outdoor unit may be changed without notifications due to our policy of innovation.

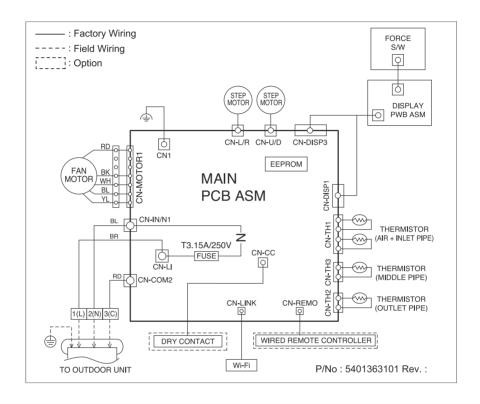
[•] The center of gravity and corner weight may be different from the actual values because these are simulation results.

6.1 Indoor Unit

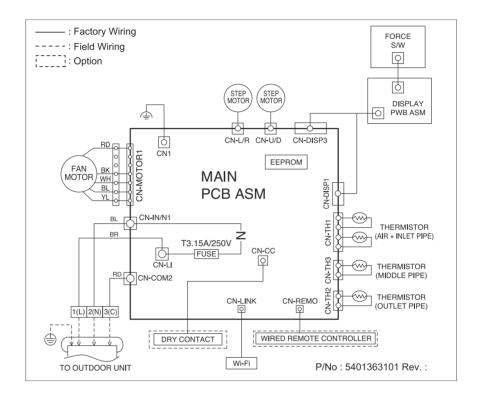
PC09SC.NSJT (S3NM09JA2DB.EA6GEEU)



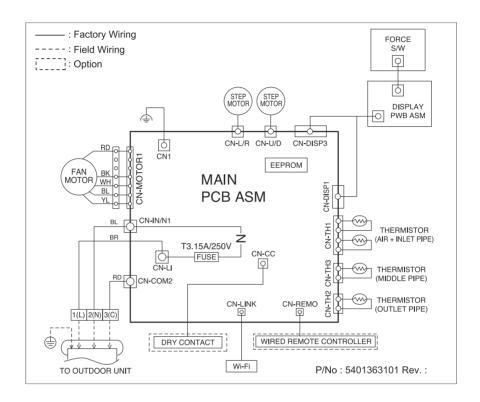
S09EC.NSJS (S3NM09JA3FC.EA6GEEU)



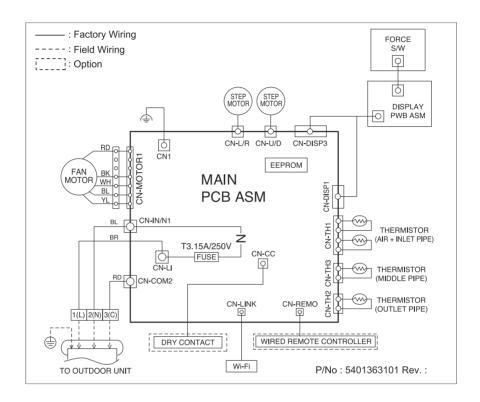
PC12SC.NSJT (S3NM12JA2DB.EA6GEEU)



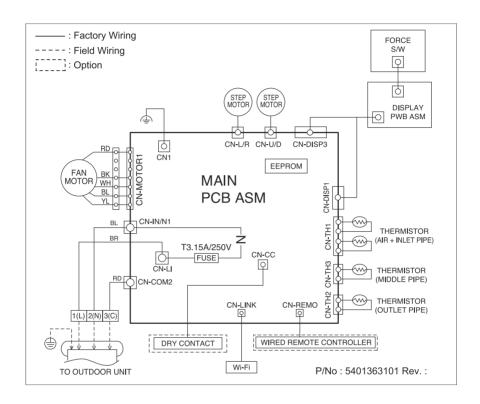
S12EC.NSJS (S3NM12JA3FC.EA6GEEU)



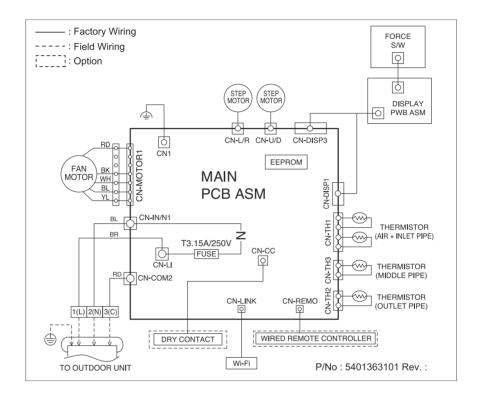
PC18SC.NSKT (S3NM18KL2DB.EA6GEEU)



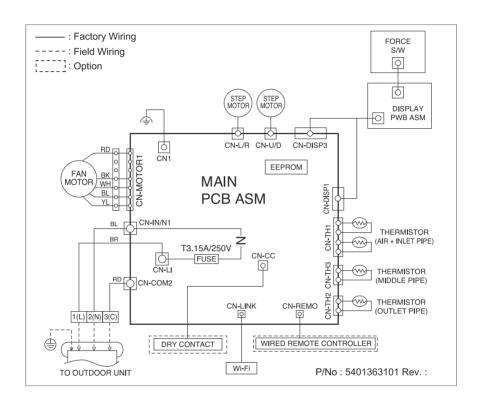
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PC24SC.NSKT (S3NM24K22DB.EA6GEEU)

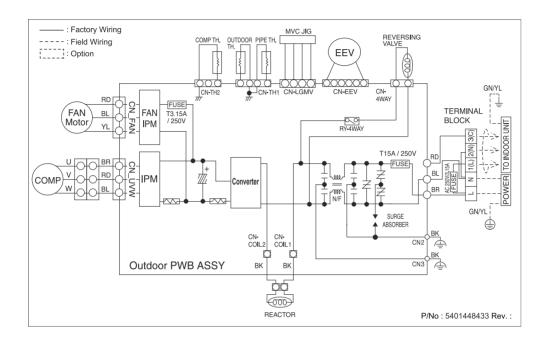


S24EC.NSKS (S3NM24K23FC.EA6GEEU)

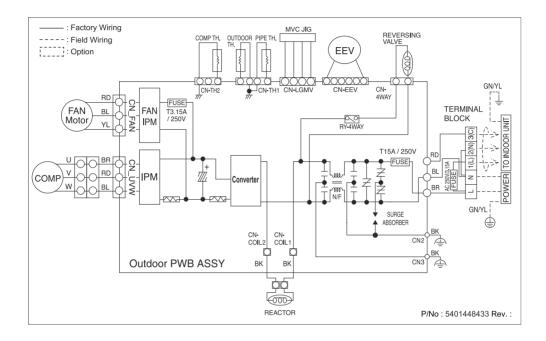


6.2 Outdoor Unit

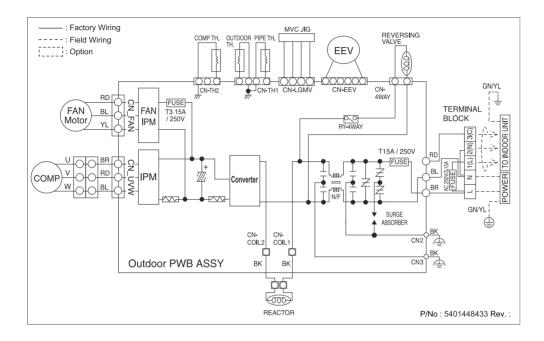
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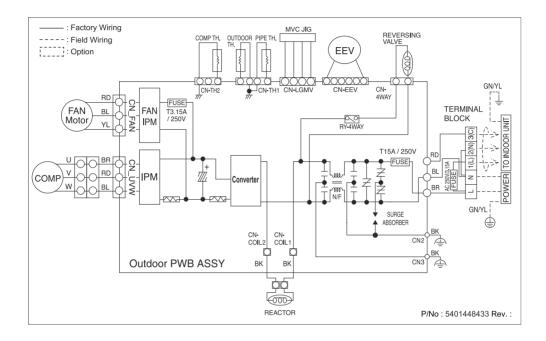
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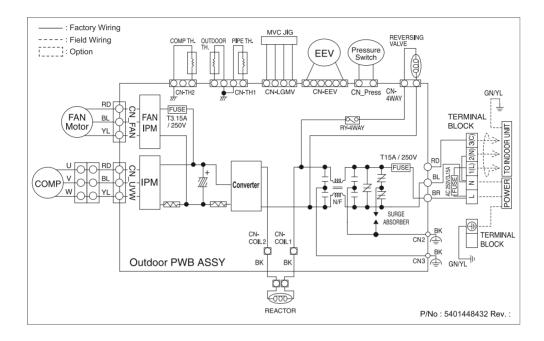
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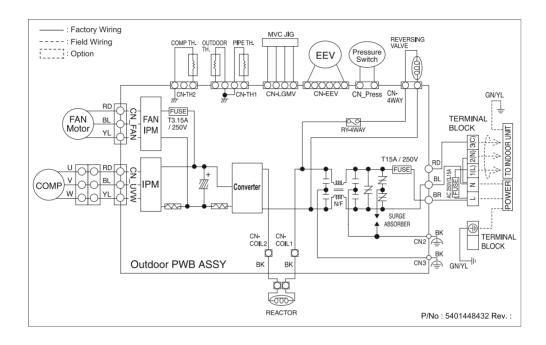
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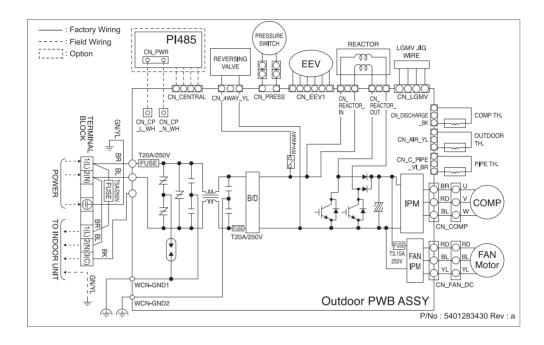
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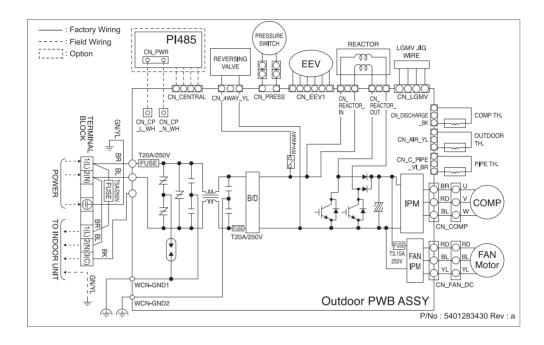
S18EC.UL2S (S3UM18KL3FC.EA6GEEU)



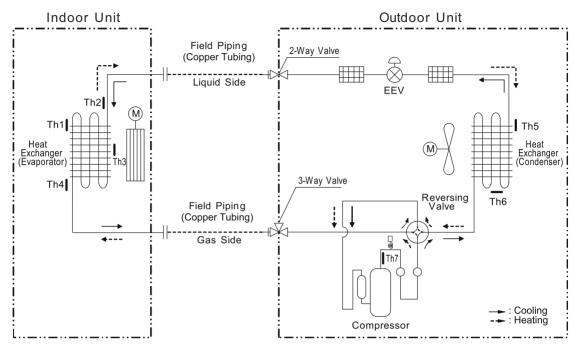
PC24SC.U24T (S3UM24K22DB.EA6GEEU)



S24EC.U24S (S3UM24K23FC.EA6GEEU)



PC09SC.SSJT (S3-M09JA2DB.EA6GEEU)

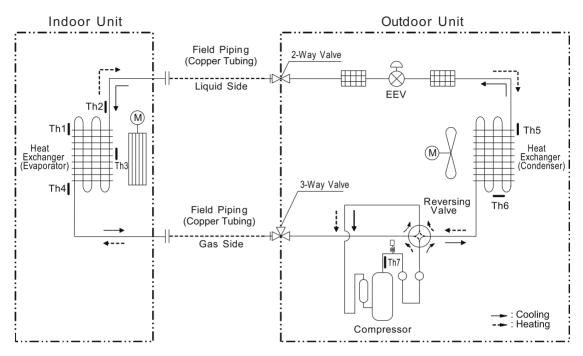


Loc.	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CN-TH1 (Indoor)
Th2	Thermistor for evaporator inlet temperature	CN-TH1 (Indoor)
Th3	Thermistor for evaporator middle temperature	CN-TH3 (Indoor)
Th4	Thermistor for evaporator outlet temperature	CN-TH2 (Indoor)
Th5	Thermistor for outdoor air temperature	CN-TH1 (Outdoor)
Th6	Thermistor for condenser temperature	CN-TH1 (Outdoor)
Th7	Thermistor for discharge pipe temperature	CN-TH2 (Outdoor)

Model	Gas		Liquid		Capillary Tubo	
Widdel	mm	inch	mm	inch	Capillary Tube	
PC09SC.SSJT	ø 9.52	ø 3/8	ø 6.35	ø 1/4	-	

	Heat Exchanger	Propeller Fan	Cross Flow Fan	Compressor	Accumulator	Reversing Valve (4 Way Valve)
Appendix	EEV (Electronic Expansion Valve)	Capillary Tube	2-Way Valve	Temperature Sensor	Pressure Sensor	Pressure Switch
	Check Valve		— Muffler	Strainer		

S09EC.SSJS (S3-M09JA3FC.EA6GEEU)

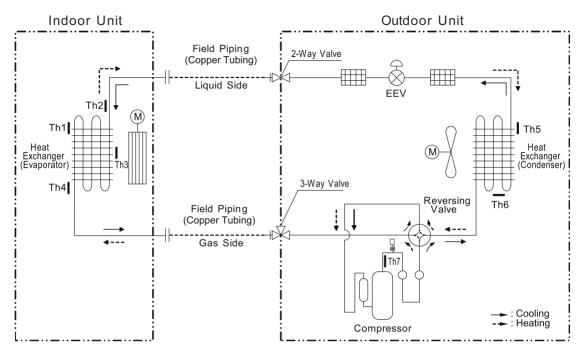


Loc.	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CN-TH1 (Indoor)
Th2	Thermistor for evaporator inlet temperature	CN-TH1 (Indoor)
Th3	Thermistor for evaporator middle temperature	CN-TH3 (Indoor)
Th4	Thermistor for evaporator outlet temperature	CN-TH2 (Indoor)
Th5	Thermistor for outdoor air temperature	CN-TH1 (Outdoor)
Th6	Thermistor for condenser temperature	CN-TH1 (Outdoor)
Th7	Thermistor for discharge pipe temperature	CN-TH2 (Outdoor)

Model	Gas		Liq	uid	Capillary Tube	
Wodel	mm	inch	mm	inch	Capillary Tube	
S09EC.SSJS	ø 9.52	ø 3/8	ø 6.35	ø 1/4	-	

	Heat Exchanger	Propeller Fan	Cross Flow Fan	Compressor	Accumulator	Reversing Valve (4 Way Valve)
Appendix	EEV (Electronic Expansion Valve)	Capillary Tube	2-Way Valve	Temperature Sensor	Pressure Sensor	Pressure Switch
	Check Valve		—— Muffler	Strainer		

PC12SC.SSJT (S3-M12JA2DB.EA6GEEU)

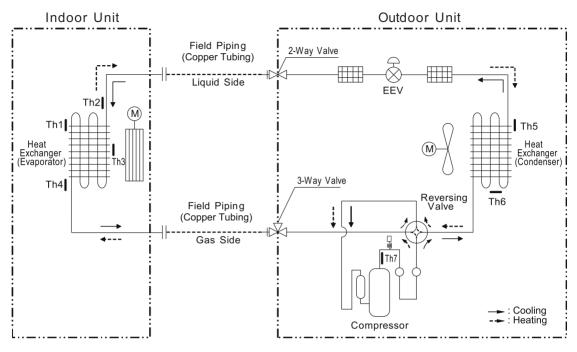


Loc.	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CN-TH1 (Indoor)
Th2	Thermistor for evaporator inlet temperature	CN-TH1 (Indoor)
Th3	Thermistor for evaporator middle temperature	CN-TH3 (Indoor)
Th4	Thermistor for evaporator outlet temperature	CN-TH2 (Indoor)
Th5	Thermistor for outdoor air temperature	CN-TH1 (Outdoor)
Th6	Thermistor for condenser temperature	CN-TH1 (Outdoor)
Th7	Thermistor for discharge pipe temperature	CN-TH2 (Outdoor)

Model	Gas		Liquid		Capillary Tube	
Widdel	mm	inch	mm	inch	Capillary Tube	
PC12SC.SSJT	ø 9.52	ø 3/8	ø 6.35	ø 1/4	-	

	Heat Exchanger	Propeller Fan	Cross Flow Fan	Compressor	Accumulator	Reversing Valve (4 Way Valve)
Appendix	EEV (Electronic Expansion Valve)	Capillary Tube	2-Way Valve	Temperature Sensor	Pressure Sensor	Pressure Switch
	Check Valve		—— Muffler	Strainer		

S12EC.SSJS (S3-M12JA3FC.EA6GEEU)

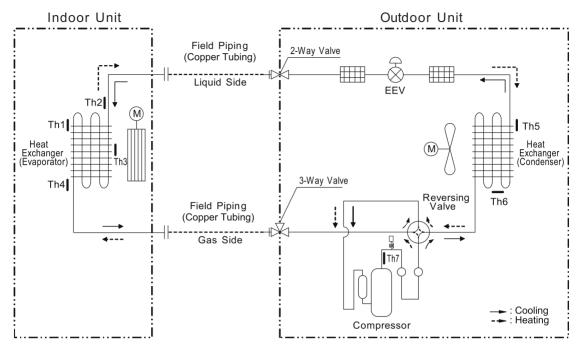


Loc.	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CN-TH1 (Indoor)
Th2	Thermistor for evaporator inlet temperature	CN-TH1 (Indoor)
Th3	Thermistor for evaporator middle temperature	CN-TH3 (Indoor)
Th4	Thermistor for evaporator outlet temperature	CN-TH2 (Indoor)
Th5	Thermistor for outdoor air temperature	CN-TH1 (Outdoor)
Th6	Thermistor for condenser temperature	CN-TH1 (Outdoor)
Th7	Thermistor for discharge pipe temperature	CN-TH2 (Outdoor)

Model	Gas		Liquid		- Capillary Tube	
Wodel	mm	inch	mm	inch	Capillary Tube	
S12EC.SSJS	ø 9.52	ø 3/8	ø 6.35	ø 1/4	-	

	Heat Exchanger	Propeller Fan	Cross Flow Fan	Compressor	Accumulator	Reversing Valve (4 Way Valve)
Appendix	EEV (Electronic Expansion Valve)	Capillary Tube	2-Way Valve	Temperature Sensor	Pressure Sensor	Pressure Switch
	Check Valve		—— Muffler	Strainer		

PC18SC.SSKT (S3-M18KL2DB.EA6GEEU)

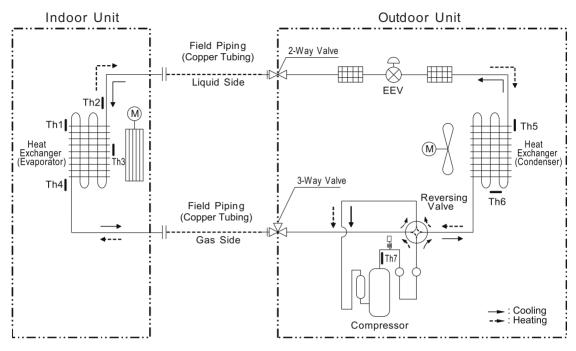


Loc.	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CN-TH1 (Indoor)
Th2	Thermistor for evaporator inlet temperature	CN-TH1 (Indoor)
Th3	Thermistor for evaporator middle temperature	CN-TH3 (Indoor)
Th4	Thermistor for evaporator outlet temperature	CN-TH2 (Indoor)
Th5	Thermistor for outdoor air temperature	CN-TH1 (Outdoor)
Th6	Thermistor for condenser temperature	CN-TH1 (Outdoor)
Th7	Thermistor for discharge pipe temperature	CN-TH2 (Outdoor)

Model	Gas		Liquid		Capillary Tube	
Model	mm	inch	mm	inch	Capillary Tube	
PC18SC.SSKT	ø 12.7	ø 1/2	ø 6.35	ø 1/4	-	

	Heat Exchanger	Propeller Fan	Cross Flow Fan	Compressor	Accumulator	Reversing Valve (4 Way Valve)
Appendix	EEV (Electronic Expansion Valve)	Capillary Tube	2-Way Valve	Temperature Sensor	Pressure Sensor	Pressure Switch
	Check Valve	- Flare Joint	——— Muffler	Strainer		

S18EC.SSKS (S3-M18KL3FC.EA6GEEU)

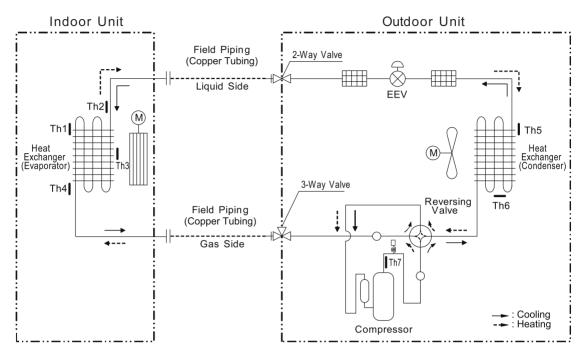


Loc.	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CN-TH1 (Indoor)
Th2	Thermistor for evaporator inlet temperature	CN-TH1 (Indoor)
Th3	Thermistor for evaporator middle temperature	CN-TH3 (Indoor)
Th4	Thermistor for evaporator outlet temperature	CN-TH2 (Indoor)
Th5	Thermistor for outdoor air temperature	CN-TH1 (Outdoor)
Th6	Thermistor for condenser temperature	CN-TH1 (Outdoor)
Th7	Thermistor for discharge pipe temperature	CN-TH2 (Outdoor)

Model	Gas		Liquid		Capillary Tube	
Model	mm	inch	mm	inch	Capillary Tube	
S18EC.SSKS	ø 12.7	ø 1/2	ø 6.35	ø 1/4	-	

	Heat Exchanger	Propeller Fan	Cross Flow Fan	Compressor	Accumulator	Reversing Valve (4 Way Valve)
Appendix	EEV (Electronic Expansion Valve)	Capillary Tube	2-Way Valve	Temperature Sensor	Pressure Sensor	Pressure Switch
	Check Valve		—— Muffler	Strainer		

PC24SC.SSKT (S3-M24K22DB.EA6GEEU)

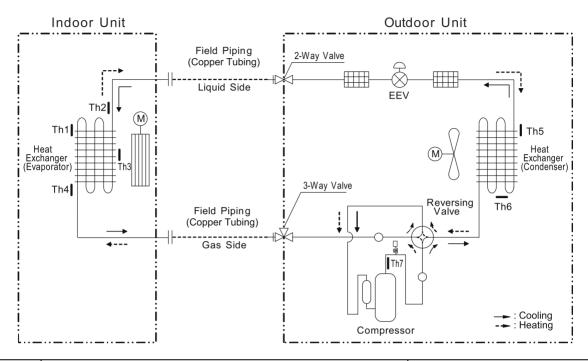


Loc.	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CN-TH1 (Indoor)
Th2	Thermistor for evaporator inlet temperature	CN-TH1 (Indoor)
Th3	Thermistor for evaporator middle temperature	CN-TH3 (Indoor)
Th4	Thermistor for evaporator outlet temperature	CN-TH2 (Indoor)
Th5	Thermistor for outdoor air temperature	CN-TH1 (Outdoor)
Th6	Thermistor for condenser temperature	CN-TH1 (Outdoor)
Th7	Thermistor for discharge pipe temperature	CN-TH2 (Outdoor)

Model	Gas		Liquid		- Capillary Tube	
Widdel	mm	inch	mm	inch	Capillary Tube	
PC24SC.SSKT	ø 15.88	ø 5/8	ø 6.35	ø 1/4	-	

	Heat Exchanger	Propeller Fan	Cross Flow Fan	Compressor	Accumulator	Reversing Valve (4 Way Valve)
Appendix	EEV (Electronic Expansion Valve)	Capillary Tube	2-Way Valve	Temperature Sensor	Pressure Sensor	Pressure Switch
	Check Valve		— Muffler	Strainer		

S24EC.SSKS (S3-M24K23FC.EA6GEEU)



Loc.	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CN-TH1 (Indoor)
Th2	Thermistor for evaporator inlet temperature	CN-TH1 (Indoor)
Th3	Thermistor for evaporator middle temperature	CN-TH3 (Indoor)
Th4	Thermistor for evaporator outlet temperature	CN-TH2 (Indoor)
Th5	Thermistor for outdoor air temperature	CN-TH1 (Outdoor)
Th6	Thermistor for condenser temperature	CN-TH1 (Outdoor)
Th7	Thermistor for discharge pipe temperature	CN-TH2 (Outdoor)

Model	Gas		Liquid		Capillary Tube	
Woder	mm	inch	mm	inch	Саріпату тире	
S24EC.SSKS	ø 15.88	ø 5/8	ø 6.35	ø 1/4	-	

	Heat Exchanger	Propeller Fan	Cross Flow Fan	Compressor	Accumulator	Reversing Valve (4 Way Valve)
Appendix	EEV (Electronic Expansion Valve)	Capillary Tube	2-Way Valve	Temperature Sensor	Pressure Sensor	Pressure Switch
	Check Valve		— Muffler	Strainer		



8.1 Rated Cooling Capacity

PC09SC.SSJT (S3-M09JA2DB.EA6GEEU)

Outdoor Air		Indoor Air Temperature : °C DB / °C WB																			
Temperature		18 / 1	2	:	20 / 1	4	:	22 / 1	6	2	25 / 18	8	:	27 / 1	9	:	29 / 19	9	;	32 / 23	3
°C DB	TC	SHC	Pl	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	Pl	TC	SHC	PI
-10	1.62	1.62	0.35	2.03	1.77	0.41	2.44	1.87	0.47	2.95	2.01	0.55	3.25	2.09	0.60	3.41	2.69	0.62	3.63	3.52	0.66
-5	1.74	1.74	0.34	2.10	1.90	0.41	2.45	2.01	0.49	2.89	2.16	0.58	3.16	2.24	0.63	3.33	2.75	0.66	3.57	3.45	0.70
-1	1.84	1.84	0.38	2.17	1.98	0.44	2.49	2.09	0.51	2.90	2.22	0.59	3.15	2.29	0.64	3.32	2.76	0.67	3.56	3.40	0.71
0	1.87	1.87	0.39	2.19	2.01	0.45	2.51	2.11	0.51	2.91	2.23	0.59	3.15	2.31	0.64	3.32	2.76	0.67	3.56	3.39	0.71
4	1.98	1.98	0.43	2.27	2.11	0.48	2.55	2.19	0.54	2.92	2.30	0.61	3.13	2.37	0.65	3.30	2.78	0.68	3.54	3.34	0.72
10	2.11	2.11	0.48	2.36	2.23	0.52	2.62	2.30	0.57	2.93	2.39	0.62	3.12	2.44	0.66	3.29	2.79	0.69	3.52	3.28	0.73
16	2.25	2.25	0.53	2.46	2.35	0.57	2.68	2.41	0.60	2.94	2.47	0.64	3.10	2.51	0.67	3.27	2.81	0.70	3.51	3.22	0.74
18	2.23	2.23	0.56	2.43	2.34	0.59	2.63	2.41	0.62	2.89	2.49	0.66	3.04	2.54	0.69	3.21	2.82	0.72	3.44	3.20	0.76
20	2.22	2.22	0.58	2.41	2.34	0.61	2.61	2.41	0.64	2.85	2.50	0.68	3.00	2.55	0.70	3.17	2.82	0.73	3.40	3.19	0.77
25	2.14	2.13	0.58	2.31	2.22	0.61	2.49	2.31	0.63	2.70	2.42	0.67	2.83	2.48	0.69	3.00	2.72	0.71	3.23	3.04	0.75
30	2.06	2.01	0.58	2.21	2.11	0.60	2.37	2.21	0.63	2.55	2.34	0.65	2.67	2.42	0.67	2.83	2.61	0.69	3.05	2.88	0.72
35	1.99	1.89	0.58	2.11	2.00	0.60	2.24	2.12	0.62	2.40	2.26	0.64	2.50	2.35	0.66	2.66	2.51	0.68	2.88	2.74	0.70
41	1.82	1.64	0.76	1.95	1.75	0.78	2.08	1.87	0.81	2.24	2.01	0.84	2.34	2.10	0.85	2.48	2.23	0.88	2.68	2.42	0.91
46	1.58	1.34	0.90	1.70	1.45	0.93	1.82	1.55	0.96	1.97	1.68	0.99	2.06	1.75	1.02	2.18	1.86	1.05	2.36	2.00	1.09
48	1.54	1.31	0.91	1.66	1.41	0.94	1.78	1.51	0.97	1.92	1.64	1.00	2.01	1.71	1.02	2.13	1.81	1.06	2.30	1.96	1.10

Symbol
DB: Dry Bulb Temperature
WB : Wet Bulb Temperature
TC : Total Capacity

[kW] [kW] TC : Total Capacity SHC : Sensible Heating Capacity PI: Power Input [kW]

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

[°C] °Cİ

- **Note**1. All capacities are net, evaporator fan motor heat is deducted.
- 2. Direct interpolation is permissible. Do not extrapolate.
 3. Capacities are based on the following conditions.

 - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

S09EC.SSJS (S3-M09JA3FC.EA6GEEU)

Outdoor Air		Indoor Air Temperature: °C DB / °C WB																			
Temperature		18 / 1:	2	:	20 / 1	4	:	22 / 10	6	2	25 / 18	8	:	27 / 1	9	:	29 / 19	9	,	32 / 23	3
°C DB	TC	SHC	Pl	TC	SHC	PI	TC	SHC	PI	TC	SHC	Pl	TC	SHC	PI	TC	SHC	Pl	TC	SHC	Pl
-10	1.62	1.62	0.35	2.03	1.77	0.41	2.44	1.87	0.47	2.95	2.01	0.55	3.25	2.09	0.60	3.41	2.69	0.62	3.63	3.52	0.66
-5	1.74	1.74	0.34	2.10	1.90	0.41	2.45	2.01	0.49	2.89	2.16	0.58	3.16	2.24	0.63	3.33	2.75	0.66	3.57	3.45	0.70
-1	1.84	1.84	0.38	2.17	1.98	0.44	2.49	2.09	0.51	2.90	2.22	0.59	3.15	2.29	0.64	3.32	2.76	0.67	3.56	3.40	0.71
0	1.87	1.87	0.39	2.19	2.01	0.45	2.51	2.11	0.51	2.91	2.23	0.59	3.15	2.31	0.64	3.32	2.76	0.67	3.56	3.39	0.71
4	1.98	1.98	0.43	2.27	2.11	0.48	2.55	2.19	0.54	2.92	2.30	0.61	3.13	2.37	0.65	3.30	2.78	0.68	3.54	3.34	0.72
10	2.11	2.11	0.48	2.36	2.23	0.52	2.62	2.30	0.57	2.93	2.39	0.62	3.12	2.44	0.66	3.29	2.79	0.69	3.52	3.28	0.73
16	2.25	2.25	0.53	2.46	2.35	0.57	2.68	2.41	0.60	2.94	2.47	0.64	3.10	2.51	0.67	3.27	2.81	0.70	3.51	3.22	0.74
18	2.23	2.23	0.56	2.43	2.34	0.59	2.63	2.41	0.62	2.89	2.49	0.66	3.04	2.54	0.69	3.21	2.82	0.72	3.44	3.20	0.76
20	2.22	2.22	0.58	2.41	2.34	0.61	2.61	2.41	0.64	2.85	2.50	0.68	3.00	2.55	0.70	3.17	2.82	0.73	3.40	3.19	0.77
25	2.14	2.13	0.58	2.31	2.22	0.61	2.49	2.31	0.63	2.70	2.42	0.67	2.83	2.48	0.69	3.00	2.72	0.71	3.23	3.04	0.75
30	2.06	2.01	0.58	2.21	2.11	0.60	2.37	2.21	0.63	2.55	2.34	0.65	2.67	2.42	0.67	2.83	2.61	0.69	3.05	2.88	0.72
35	1.99	1.89	0.58	2.11	2.00	0.60	2.24	2.12	0.62	2.40	2.26	0.64	2.50	2.35	0.66	2.66	2.51	0.68	2.88	2.74	0.70
41	1.82	1.64	0.76	1.95	1.75	0.78	2.08	1.87	0.81	2.24	2.01	0.84	2.34	2.10	0.85	2.48	2.23	0.88	2.68	2.42	0.91
46	1.58	1.34	0.90	1.70	1.45	0.93	1.82	1.55	0.96	1.97	1.68	0.99	2.06	1.75	1.02	2.18	1.86	1.05	2.36	2.00	1.09
48	1.54	1.31	0.91	1.66	1.41	0.94	1.78	1.51	0.97	1.92	1.64	1.00	2.01	1.71	1.02	2.13	1.81	1.06	2.30	1.96	1.10

Symbol	
DB: Dry Bulb Temperature	[°C]
WB: Wet Bulb Temperature	i°ci
TC: Total Capacity	[kW]
SHC: Sensible Heating Capacity	į́kWį́
DL Dower Input	£ 1.34/1

SHC: Sensible Heating Capacity PI: Power Input

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

[kW]

- **Note**1. All capacities are net, evaporator fan motor heat is
- 2. Direct interpolation is permissible. Do not extrapolate.
 3. Capacities are based on the following conditions.

 - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

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PC12SC.SSJT (S3-M12JA2DB.EA6GEEU)

Outdoor Air		Indoor Air Temperature : °C DB / °C WB																			
Temperature		18 / 1	2	:	20 / 1	4	:	22 / 1	6	2	25 / 18	8	:	27 / 1	9	:	29 / 19	9	;	32 / 23	3
°C DB	TC	SHC	Pl	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	Pl	TC	SHC	PI
-10	2.38	1.95	0.45	2.98	2.07	0.53	3.57	2.20	0.61	4.32	2.36	0.71	4.77	2.45	0.77	5.00	3.16	0.80	5.32	4.13	0.84
-5	2.56	2.09	0.44	3.08	2.23	0.53	3.59	2.36	0.62	4.24	2.53	0.74	4.63	2.63	0.81	4.89	3.23	0.85	5.24	4.05	0.90
-1	2.70	2.21	0.49	3.18	2.33	0.57	3.66	2.45	0.65	4.26	2.60	0.76	4.62	2.69	0.82	4.87	3.24	0.86	5.22	3.99	0.91
0	2.74	2.24	0.50	3.21	2.36	0.58	3.68	2.47	0.66	4.26	2.62	0.76	4.61	2.71	0.82	4.87	3.24	0.86	5.22	3.98	0.91
4	2.90	2.37	0.55	3.32	2.47	0.62	3.75	2.57	0.69	4.28	2.70	0.78	4.60	2.78	0.83	4.85	3.26	0.87	5.20	3.92	0.92
10	3.10	2.53	0.62	3.47	2.62	0.67	3.84	2.70	0.73	4.30	2.80	0.80	4.57	2.86	0.84	4.82	3.28	0.88	5.17	3.85	0.93
16	3.30	2.70	0.68	3.61	2.76	0.73	3.93	2.82	0.77	4.32	2.90	0.82	4.55	2.95	0.86	4.80	3.29	0.89	5.14	3.77	0.95
18	3.27	2.67	0.72	3.57	2.75	0.76	3.86	2.82	0.80	4.23	2.92	0.85	4.46	2.97	0.88	4.71	3.30	0.92	5.05	3.76	0.97
20	3.25	2.66	0.74	3.54	2.74	0.78	3.83	2.83	0.82	4.18	2.93	0.87	4.40	2.99	0.90	4.65	3.31	0.94	4.99	3.75	0.99
25	3.10	2.54	0.81	3.35	2.64	0.85	3.60	2.74	0.89	3.91	2.87	0.93	4.10	2.95	0.96	4.34	3.23	1.00	4.67	3.61	1.04
30	2.94	2.42	0.88	3.16	2.54	0.92	3.37	2.66	0.95	3.64	2.82	0.99	3.80	2.91	1.02	4.03	3.15	1.05	4.35	3.47	1.10
35	2.78	2.31	0.96	2.96	2.45	0.99	3.14	2.59	1.02	3.36	2.76	1.06	3.50	2.87	1.08	3.72	3.07	1.11	4.03	3.34	1.16
41	2.54	1.98	1.07	2.72	2.12	1.10	2.90	2.26	1.14	3.13	2.44	1.18	3.27	2.54	1.21	3.47	2.70	1.24	3.74	2.92	1.29
46	2.20	1.61	1.15	2.37	1.73	1.18	2.53	1.85	1.22	2.74	2.01	1.27	2.87	2.10	1.29	3.04	2.22	1.33	3.28	2.40	1.39
48	2.14	1.57	1.16	2.31	1.69	1.19	2.47	1.81	1.23	2.67	1.96	1.28	2.80	2.05	1.30	2.97	2.17	1.34	3.20	2.34	1.40

Symbol	
DB: Dry Bulb Temperature	
WB: Wet Bulb Temperature	
TC . Tatal Campaits	

[°C] [kW] [kW] TC : Total Capacity SHC : Sensible Heating Capacity PI: Power Input [kW]

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

[°C]

- **Note**1. All capacities are net, evaporator fan motor heat is
- 2. Direct interpolation is permissible. Do not extrapolate.
 3. Capacities are based on the following conditions.

 - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

S12EC.SSJS (S3-M12JA3FC.EA6GEEU)

Outdoor Air		Indoor Air Temperature : °C DB / °C WB																			
Temperature		18 / 1	2	20 / 14		:	22 / 1	6	2	25 / 18	8		27 / 1	9		29 / 19	9	• •	32 / 23	3	
°C DB	TC	SHC	Pl	TC	SHC	P	TC	SHC	P	TC	SHC	P	TC	SHC	PI	TC	SHC	PI	С	SHC	PI
-10	2.38	1.95	0.45	2.98	2.07	0.53	3.57	2.20	0.61	4.32	2.36	0.71	4.77	2.45	0.77	5.00	3.16	0.80	5.32	4.13	0.84
-5	2.56	2.09	0.44	3.08	2.23	0.53	3.59	2.36	0.62	4.24	2.53	0.74	4.63	2.63	0.81	4.89	3.23	0.85	5.24	4.05	0.90
-1	2.70	2.21	0.49	3.18	2.33	0.57	3.66	2.45	0.65	4.26	2.60	0.76	4.62	2.69	0.82	4.87	3.24	0.86	5.22	3.99	0.91
0	2.74	2.24	0.50	3.21	2.36	0.58	3.68	2.47	0.66	4.26	2.62	0.76	4.61	2.71	0.82	4.87	3.24	0.86	5.22	3.98	0.91
4	2.90	2.37	0.55	3.32	2.47	0.62	3.75	2.57	0.69	4.28	2.70	0.78	4.60	2.78	0.83	4.85	3.26	0.87	5.20	3.92	0.92
10	3.10	2.53	0.62	3.47	2.62	0.67	3.84	2.70	0.73	4.30	2.80	0.80	4.57	2.86	0.84	4.82	3.28	0.88	5.17	3.85	0.93
16	3.30	2.70	0.68	3.61	2.76	0.73	3.93	2.82	0.77	4.32	2.90	0.82	4.55	2.95	0.86	4.80	3.29	0.89	5.14	3.77	0.95
18	3.27	2.67	0.72	3.57	2.75	0.76	3.86	2.82	0.80	4.23	2.92	0.85	4.46	2.97	0.88	4.71	3.30	0.92	5.05	3.76	0.97
20	3.25	2.66	0.74	3.54	2.74	0.78	3.83	2.83	0.82	4.18	2.93	0.87	4.40	2.99	0.90	4.65	3.31	0.94	4.99	3.75	0.99
25	3.10	2.54	0.81	3.35	2.64	0.85	3.60	2.74	0.89	3.91	2.87	0.93	4.10	2.95	0.96	4.34	3.23	1.00	4.67	3.61	1.04
30	2.94	2.42	0.88	3.16	2.54	0.92	3.37	2.66	0.95	3.64	2.82	0.99	3.80	2.91	1.02	4.03	3.15	1.05	4.35	3.47	1.10
35	2.78	2.31	0.96	2.96	2.45	0.99	3.14	2.59	1.02	3.36	2.76	1.06	3.50	2.87	1.08	3.72	3.07	1.11	4.03	3.34	1.16
41	2.54	1.98	1.07	2.72	2.12	1.10	2.90	2.26	1.14	3.13	2.44	1.18	3.27	2.54	1.21	3.47	2.70	1.24	3.74	2.92	1.29
46	2.20	1.61	1.15	2.37	1.73	1.18	2.53	1.85	1.22	2.74	2.01	1.27	2.87	2.10	1.29	3.04	2.22	1.33	3.28	2.40	1.39
48	2.14	1.57	1.16	2.31	1.69	1.19	2.47	1.81	1.23	2.67	1.96	1.28	2.80	2.05	1.30	2.97	2.17	1.34	3.20	2.34	1.40

[kW]

Symbol	
DB: Dry Bulb Temperature	[°C]
WB: Wet Bulb Temperature	į °C į
TC: Total Capacity	[kW]
SHC : Sensible Heating Capacity	į́kWį́
DL Dow or Input	

SHC: Sensible Heating Capacity PI: Power Input

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

- **Note**1. All capacities are net, evaporator fan motor heat is
- 2. Direct interpolation is permissible. Do not extrapolate.
 3. Capacities are based on the following conditions.

 - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

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PC18SC.SSKT (S3-M18KL2DB.EA6GEEU)

Outdoor Air		Indoor Air Temperature : °C DB / °C WB																			
Temperature		18 / 1	2	:	20 / 1	4	:	22 / 1	6	2	25 / 18	8	- :	27 / 19	9	:	29 / 19	9	;	32 / 23	3
°C DB	TC	SHC	Pl	TC	SHC	PI	TC	SHC	Pl	TC	SHC	PI	TC	SHC	PI	TC	SHC	Pl	TC	SHC	PI
-10	2.76	2.49	0.50	3.45	2.65	0.60	4.14	2.81	0.69	5.01	3.01	0.81	5.53	3.14	0.87	5.79	4.04	0.91	6.16	5.28	0.96
-5	2.96	2.67	0.50	3.56	2.85	0.60	4.17	3.02	0.71	4.92	3.24	0.84	5.37	3.36	0.91	5.66	4.12	0.96	6.07	5.17	1.02
-1	3.13	2.82	0.55	3.68	2.98	0.64	4.24	3.13	0.74	4.93	3.32	0.85	5.35	3.44	0.93	5.65	4.14	0.97	6.05	5.11	1.03
0	3.17	2.86	0.56	3.72	3.01	0.66	4.26	3.16	0.75	4.94	3.35	0.86	5.35	3.46	0.93	5.64	4.15	0.97	6.05	5.09	1.03
4	3.36	3.03	0.62	3.85	3.16	0.70	4.34	3.29	0.78	4.96	3.45	0.88	5.33	3.55	0.94	5.62	4.16	0.98	6.02	5.01	1.04
10	3.59	3.24	0.70	4.02	3.34	0.76	4.45	3.45	0.83	4.98	3.58	0.91	5.30	3.66	0.95	5.59	4.19	1.00	5.99	4.92	1.06
16	3.82	3.45	0.77	4.19	3.53	0.82	4.55	3.61	0.87	5.00	3.71	0.93	5.28	3.77	0.97	5.56	4.21	1.01	5.96	4.82	1.07
18	3.79	3.42	0.81	4.13	3.51	0.86	4.48	3.61	0.91	4.91	3.73	0.96	5.17	3.80	1.00	5.45	4.22	1.04	5.85	4.80	1.10
20	3.77	3.40	0.84	4.10	3.51	0.88	4.43	3.61	0.93	4.85	3.75	0.98	5.10	3.83	1.02	5.39	4.23	1.06	5.79	4.79	1.12
25	3.83	3.31	1.01	4.14	3.44	1.06	4.45	3.58	1.11	4.83	3.75	1.16	5.07	3.85	1.20	5.36	4.21	1.24	5.77	4.71	1.30
30	3.90	3.22	1.20	4.18	3.38	1.24	4.46	3.55	1.29	4.82	3.75	1.35	5.03	3.88	1.38	5.34	4.19	1.43	5.76	4.62	1.49
35	3.97	3.13	1.38	4.23	3.33	1.43	4.49	3.52	1.47	4.81	3.76	1.53	5.00	3.90	1.56	5.32	4.17	1.61	5.76	4.54	1.68
41	3.24	2.73	1.25	3.47	2.93	1.29	3.70	3.12	1.33	3.99	3.36	1.38	4.17	3.51	1.41	4.42	3.73	1.45	4.77	4.03	1.51
46	2.43	2.26	1.08	2.61	2.43	1.12	2.79	2.60	1.15	3.02	2.82	1.19	3.16	2.94	1.22	3.35	3.12	1.26	3.62	3.36	1.31
48	2.36	2.20	1.09	2.54	2.37	1.12	2.72	2.54	1.16	2.95	2.75	1.20	3.08	2.87	1.23	3.27	3.05	1.27	3.53	3.28	1.32

Symbol	
DB: Dry Bulb Temperature	[°
WB : Wet Bulb Temperature	اه آ
TC · Total Canacity	Īν

[°C] [°C] [kW] [kW] TC : Total Capacity SHC : Sensible Heating Capacity PI: Power Input [kW]

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

- **Note**1. All capacities are net, evaporator fan motor heat is
- 2. Direct interpolation is permissible. Do not extrapolate.
 3. Capacities are based on the following conditions.

 - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

S18EC.SSKS (S3-M18KL3FC.EA6GEEU)

Outdoor Air		Indoor Air Temperature: °C DB / °C WB																			
Temperature		18 / 1	2	2	20 / 1	4	:	22 / 10	6	2	25 / 18	8	:	27 / 1	9	:	29 / 19	9	,	32 / 23	3
°C DB	TC	SHC	Pl	TC	SHC	Pl	TC	SHC	Pl	TC	SHC	Pl	TC	SHC	Pl	TC	SHC	Pl	TC	SHC	Pl
-10	2.76	2.49	0.50	3.45	2.65	0.60	4.14	2.81	0.69	5.01	3.01	0.81	5.53	3.14	0.87	5.79	4.04	0.91	6.16	5.28	0.96
-5	2.96	2.67	0.50	3.56	2.85	0.60	4.17	3.02	0.71	4.92	3.24	0.84	5.37	3.36	0.91	5.66	4.12	0.96	6.07	5.17	1.02
-1	3.13	2.82	0.55	3.68	2.98	0.64	4.24	3.13	0.74	4.93	3.32	0.85	5.35	3.44	0.93	5.65	4.14	0.97	6.05	5.11	1.03
0	3.17	2.86	0.56	3.72	3.01	0.66	4.26	3.16	0.75	4.94	3.35	0.86	5.35	3.46	0.93	5.64	4.15	0.97	6.05	5.09	1.03
4	3.36	3.03	0.62	3.85	3.16	0.70	4.34	3.29	0.78	4.96	3.45	0.88	5.33	3.55	0.94	5.62	4.16	0.98	6.02	5.01	1.04
10	3.59	3.24	0.70	4.02	3.34	0.76	4.45	3.45	0.83	4.98	3.58	0.91	5.30	3.66	0.95	5.59	4.19	1.00	5.99	4.92	1.06
16	3.82	3.45	0.77	4.19	3.53	0.82	4.55	3.61	0.87	5.00	3.71	0.93	5.28	3.77	0.97	5.56	4.21	1.01	5.96	4.82	1.07
18	3.79	3.42	0.81	4.13	3.51	0.86	4.48	3.61	0.91	4.91	3.73	0.96	5.17	3.80	1.00	5.45	4.22	1.04	5.85	4.80	1.10
20	3.77	3.40	0.84	4.10	3.51	0.88	4.43	3.61	0.93	4.85	3.75	0.98	5.10	3.83	1.02	5.39	4.23	1.06	5.79	4.79	1.12
25	3.83	3.31	1.01	4.14	3.44	1.06	4.45	3.58	1.11	4.83	3.75	1.16	5.07	3.85	1.20	5.36	4.21	1.24	5.77	4.71	1.30
30	3.90	3.22	1.20	4.18	3.38	1.24	4.46	3.55	1.29	4.82	3.75	1.35	5.03	3.88	1.38	5.34	4.19	1.43	5.76	4.62	1.49
35	3.97	3.13	1.38	4.23	3.33	1.43	4.49	3.52	1.47	4.81	3.76	1.53	5.00	3.90	1.56	5.32	4.17	1.61	5.76	4.54	1.68
41	3.24	2.73	1.25	3.47	2.93	1.29	3.70	3.12	1.33	3.99	3.36	1.38	4.17	3.51	1.41	4.42	3.73	1.45	4.77	4.03	1.51
46	2.43	2.26	1.08	2.61	2.43	1.12	2.79	2.60	1.15	3.02	2.82	1.19	3.16	2.94	1.22	3.35	3.12	1.26	3.62	3.36	1.31
48	2.36	2.20	1.09	2.54	2.37	1.12	2.72	2.54	1.16	2.95	2.75	1.20	3.08	2.87	1.23	3.27	3.05	1.27	3.53	3.28	1.32

Symbol	
DB: Dry Bulb Temperature	0°1
WB : Wet Bulb Temperature	° i
TC : Total Canacity	i 1

[°C] [°C] [kW] [kW] TC : Total Capacity SHC : Sensible Heating Capacity PI: Power Input [kW]

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

- **Note**1. All capacities are net, evaporator fan motor heat is
- 2. Direct interpolation is permissible. Do not extrapolate.
 3. Capacities are based on the following conditions.
- - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

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PC24SC.SSKT (S3-M24K22DB.EA6GEEU)

Outdoor Air								Indo	or Air	Temp	eratu	re : °0	C DB /	°C W	В						
Temperature		18 / 1:	2	:	20 / 1	4	:	22 / 1	6	2	25 / 18	8		27 / 1	9	:	29 / 19	9	,	32 / 23	3
°C DB	TC	SHC	Pl	TC	SHC	Pl	TC	SHC	PI	TC	SHC	Pl	TC	SHC	PI	TC	SHC	Pl	TC	SHC	PI
-10	4.22	3.40	0.84	5.28	3.62	0.99	6.34	3.84	1.14	7.66	4.12	1.34	8.45	4.28	1.45	8.86	5.52	1.51	9.43	7.22	1.59
-5	4.53	3.65	0.83	5.45	3.89	1.00	6.37	4.12	1.17	7.52	4.42	1.39	8.21	4.60	1.52	8.66	5.63	1.59	9.29	7.07	1.69
-1	4.78	3.85	0.91	5.63	4.07	1.07	6.48	4.28	1.22	7.55	4.54	1.42	8.18	4.70	1.54	8.63	5.66	1.61	9.26	6.98	1.70
0	4.85	3.91	0.94	5.68	4.12	1.09	6.51	4.32	1.24	7.55	4.58	1.43	8.18	4.73	1.54	8.63	5.66	1.61	9.25	6.95	1.71
4	5.14	4.14	1.04	5.89	4.32	1.17	6.64	4.49	1.30	7.58	4.72	1.46	8.15	4.85	1.56	8.59	5.69	1.63	9.21	6.85	1.73
10	5.49	4.43	1.16	6.15	4.57	1.27	6.80	4.71	1.37	7.62	4.89	1.50	8.11	5.00	1.58	8.55	5.72	1.65	9.16	6.72	1.75
16	5.85	4.71	1.28	6.40	4.82	1.37	6.96	4.93	1.45	7.65	5.07	1.55	8.07	5.15	1.61	8.51	5.75	1.68	9.12	6.59	1.78
18	5.80	4.67	1.35	6.32	4.80	1.43	6.85	4.93	1.50	7.51	5.10	1.60	7.90	5.20	1.66	8.34	5.77	1.73	8.95	6.56	1.82
20	5.76	4.65	1.39	6.27	4.79	1.46	6.78	4.94	1.54	7.42	5.12	1.63	7.80	5.23	1.69	8.24	5.78	1.76	8.85	6.55	1.85
25	5.59	4.39	1.56	6.04	4.57	1.63	6.50	4.75	1.71	7.06	4.98	1.79	7.40	5.11	1.85	7.83	5.59	1.92	8.43	6.25	2.01
30	5.42	4.15	1.74	5.81	4.36	1.81	6.21	4.58	1.87	6.70	4.84	1.96	7.00	5.00	2.01	7.43	5.40	2.07	8.02	5.96	2.17
35	5.24	3.92	1.92	5.58	4.16	1.98	5.92	4.40	2.04	6.35	4.70	2.12	6.60	4.88	2.16	7.02	5.22	2.23	7.60	5.69	2.32
41	4.66	3.44	2.01	5.00	3.69	2.08	5.33	3.93	2.14	5.75	4.23	2.22	6.00	4.41	2.27	6.37	4.69	2.34	6.87	5.08	2.44
46	3.92	2.86	2.05	4.21	3.08	2.11	4.51	3.30	2.18	4.88	3.57	2.26	5.11	3.73	2.31	5.41	3.95	2.38	5.84	4.26	2.48
48	3.82	2.79	2.06	4.11	3.00	2.13	4.40	3.22	2.20	4.76	3.48	2.28	4.98	3.64	2.33	5.28	3.86	2.40	5.70	4.16	2.50

Svmbol	
DB: Dry Bulb Temperature	[°C]
WB: Wet Bulb Temperature	[°C]
TC : Total Capacity	[kW]
SHC : Sensible Heating Capacity	[kW]
DI : Dow or Input	F 1-14/1

TC : Total Capacity
SHC : Sensible Heating Capacity PI: Power Input

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

[kW]

- **Note**1. All capacities are net, evaporator fan motor heat is
- 2. Direct interpolation is permissible. Do not extrapolate.
 3. Capacities are based on the following conditions.

 - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

S24EC.SSKS (S3-M24K23FC.EA6GEEU)

Outdoor Air								Indo	or Air	Temp	eratui	re : °C	C DB /	°C W	В						
Temperature		18 / 1	2	:	20 / 1	4	:	22 / 1	6	2	25 / 18	3		27 / 1	9		29 / 19	9	,	32 / 23	3
°C DB	TC	SHC	PI	TC	SHC	PI	TC	SHC	Pl	TC	SHC	PI	TC	SHC	PI	TC	SHC	Pl	TC	SHC	PI
-10	4.22	3.40	0.84	5.28	3.62	0.99	6.34	3.84	1.14	7.66	4.12	1.34	8.45	4.28	1.45	8.86	5.52	1.51	9.43	7.22	1.59
-5	4.53	3.65	0.83	5.45	3.89	1.00	6.37	4.12	1.17	7.52	4.42	1.39	8.21	4.60	1.52	8.66	5.63	1.59	9.29	7.07	1.69
-1	4.78	3.85	0.91	5.63	4.07	1.07	6.48	4.28	1.22	7.55	4.54	1.42	8.18	4.70	1.54	8.63	5.66	1.61	9.26	6.98	1.70
0	4.85	3.91	0.94	5.68	4.12	1.09	6.51	4.32	1.24	7.55	4.58	1.43	8.18	4.73	1.54	8.63	5.66	1.61	9.25	6.95	1.71
4	5.14	4.14	1.04	5.89	4.32	1.17	6.64	4.49	1.30	7.58	4.72	1.46	8.15	4.85	1.56	8.59	5.69	1.63	9.21	6.85	1.73
10	5.49	4.43	1.16	6.15	4.57	1.27	6.80	4.71	1.37	7.62	4.89	1.50	8.11	5.00	1.58	8.55	5.72	1.65	9.16	6.72	1.75
16	5.85	4.71	1.28	6.40	4.82	1.37	6.96	4.93	1.45	7.65	5.07	1.55	8.07	5.15	1.61	8.51	5.75	1.68	9.12	6.59	1.78
18	5.80	4.67	1.35	6.32	4.80	1.43	6.85	4.93	1.50	7.51	5.10	1.60	7.90	5.20	1.66	8.34	5.77	1.73	8.95	6.56	1.82
20	5.76	4.65	1.39	6.27	4.79	1.46	6.78	4.94	1.54	7.42	5.12	1.63	7.80	5.23	1.69	8.24	5.78	1.76	8.85	6.55	1.85
25	5.59	4.39	1.56	6.04	4.57	1.63	6.50	4.75	1.71	7.06	4.98	1.79	7.40	5.11	1.85	7.83	5.59	1.92	8.43	6.25	2.01
30	5.42	4.15	1.74	5.81	4.36	1.81	6.21	4.58	1.87	6.70	4.84	1.96	7.00	5.00	2.01	7.43	5.40	2.07	8.02	5.96	2.17
35	5.24	3.92	1.92	5.58	4.16	1.98	5.92	4.40	2.04	6.35	4.70	2.12	6.60	4.88	2.16	7.02	5.22	2.23	7.60	5.69	2.32
41	4.66	3.44	2.01	5.00	3.69	2.08	5.33	3.93	2.14	5.75	4.23	2.22	6.00	4.41	2.27	6.37	4.69	2.34	6.87	5.08	2.44
46	3.92	2.86	2.05	4.21	3.08	2.11	4.51	3.30	2.18	4.88	3.57	2.26	5.11	3.73	2.31	5.41	3.95	2.38	5.84	4.26	2.48
48	3.82	2.79	2.06	4.11	3.00	2.13	4.40	3.22	2.20	4.76	3.48	2.28	4.98	3.64	2.33	5.28	3.86	2.40	5.70	4.16	2.50

Symbol	
DB: Dry Bulb Temperature	[°C]
WB : Wet Bulb Temperature	io°i
TC : Total Capacity	[kW]
SHC: Sensible Heating Capacity	[kW]
DI - Davis an James t	F 1 1 4 / 3

TC : Total Capacity
SHC : Sensible Heating Capacity [kW]

PI: Power Input

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

- **Note**1. All capacities are net, evaporator fan motor heat is
- 2. Direct interpolation is permissible. Do not extrapolate.
 3. Capacities are based on the following conditions.

 - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

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8.2 Rated Heating Capacity

PC09SC.SSJT (S3-M09JA2DB.EA6GEEU)

Outdo	or Air						Indoor	Air Temp	erature	: °C DB					
Tempe	erature	1	6	1	8	2	0	2	1	2	2	2	4	3	0
°C DB	°C WB	TC	Pl	TC	PI	TC	Pl	TC	PI	TC	PI	TC	PI	TC	Pl
-14	-15	2.45	1.18	2.37	1.17	2.35	1.17	2.32	1.16	2.31	1.16	2.26	1.15	2.21	1.15
-9	-10	2.63	1.23	2.55	1.22	2.53	1.22	2.50	1.21	2.48	1.21	2.43	1.19	2.38	1.19
-4	-5	2.92	1.31	2.83	1.30	2.80	1.30	2.77	1.29	2.75	1.29	2.69	1.27	2.63	1.27
1	0	3.36	1.40	3.26	1.38	3.22	1.38	3.19	1.37	3.17	1.37	3.10	1.36	3.03	1.36
2	1	3.44	1.41	3.33	1.40	3.30	1.40	3.27	1.39	3.24	1.39	3.18	1.37	3.10	1.37
7	6	2.92	0.63	2.83	0.62	2.80	0.62	2.77	0.61	2.75	0.61	2.70	0.61	2.63	0.61
12	11	3.96	1.31	3.84	1.30	3.80	1.30	3.76	1.29	3.73	1.29	3.66	1.27	3.57	1.27
18	14	4.13	1.35	4.00	1.34	3.96	1.34	3.92	1.32	3.89	1.32	3.81	1.31	3.72	1.31
24	18	4.26	1.39	4.13	1.38	4.09	1.38	4.05	1.36	4.02	1.36	3.94	1.35	3.85	1.35

°C]

[kW]

[kW]

Symbol
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature
TC: Total Capacity

PI: Power Input

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

- 1. All capacities are net, evaporator fan motor heat is deducted.
- 2. Direct interpolation is permissible. Do not extrapolate.
- 3. Capacities are based on the following conditions.
 - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

S09EC.SSJS (S3-M09JA3FC.EA6GEEU)

Outdo	or Air						Indoor	Air Temp	erature	: °C DB					
Tempe	erature	1	6	1	8	2	:0	2	:1	2	2	2	4	3	0
°C DB	°C WB	TC	Pl	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
-14	-15	2.45	1.18	2.37	1.17	2.35	1.17	2.32	1.16	2.31	1.16	2.26	1.15	2.21	1.15
-9	-10	2.63	1.23	2.55	1.22	2.53	1.22	2.50	1.21	2.48	1.21	2.43	1.19	2.38	1.19
-4	-5	2.92	1.31	2.83	1.30	2.80	1.30	2.77	1.29	2.75	1.29	2.69	1.27	2.63	1.27
1	0	3.36	1.40	3.26	1.38	3.22	1.38	3.19	1.37	3.17	1.37	3.10	1.36	3.03	1.36
2	1	3.44	1.41	3.33	1.40	3.30	1.40	3.27	1.39	3.24	1.39	3.18	1.37	3.10	1.37
7	6	2.92	0.63	2.83	0.62	2.80	0.62	2.77	0.61	2.75	0.61	2.70	0.61	2.63	0.61
12	11	3.96	1.31	3.84	1.30	3.80	1.30	3.76	1.29	3.73	1.29	3.66	1.27	3.57	1.27
18	14	4.13	1.35	4.00	1.34	3.96	1.34	3.92	1.32	3.89	1.32	3.81	1.31	3.72	1.31
24	18	4.26	1.39	4.13	1.38	4.09	1.38	4.05	1.36	4.02	1.36	3.94	1.35	3.85	1.35

Symbol
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature
TC: Total Capacity
PI: Pow er Input

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

Note

°C] [kW]

[kW]

- All capacities are net, evaporator fan motor heat is deducted.
- 2. Direct interpolation is permissible. Do not extrapolate.
- 3. Capacities are based on the following conditions.
 - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

PC12SC.SSJT (S3-M12JA2DB.EA6GEEU)

Outdo	or Air						Indoor	Air Temp	erature	: °C DB					
Tempe	erature	1	6	1	8	2	0	2	1	2	2	2	4	3	0
°C DB	°C WB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	Pl
-14	-15	2.82	1.31	2.74	1.30	2.71	1.30	2.68	1.29	2.66	1.29	2.61	1.27	2.55	1.27
-9	-10	3.04	1.37	2.95	1.35	2.92	1.35	2.89	1.34	2.87	1.34	2.81	1.33	2.74	1.33
-4	-5	3.33	1.44	3.23	1.43	3.20	1.43	3.17	1.41	3.14	1.41	3.08	1.40	3.01	1.40
1	0	3.77	1.50	3.66	1.49	3.62	1.49	3.59	1.47	3.56	1.47	3.49	1.46	3.40	1.46
2	1	3.85	1.51	3.74	1.50	3.70	1.50	3.66	1.49	3.64	1.49	3.56	1.47	3.48	1.47
7	6	3.87	0.96	3.75	0.95	3.71	0.95	3.67	0.94	3.65	0.94	3.57	0.93	3.49	0.93
12	11	4.69	1.57	4.55	1.55	4.50	1.55	4.46	1.53	4.42	1.53	4.33	1.52	4.23	1.52
18	14	4.89	1.61	4.74	1.59	4.69	1.59	4.64	1.58	4.61	1.58	4.52	1.56	4.41	1.56
24	18	5.05	1.66	4.89	1.64	4.85	1.64	4.80	1.62	4.76	1.62	4.67	1.61	4.55	1.61

°C] [kW]

[kW]

Svm	

Symbol
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature
TC: Total Capacity
PI: Pow er Input

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

- All capacities are net, evaporator fan motor heat is deducted.
- 2. Direct interpolation is permissible. Do not extrapolate.
- 3. Capacities are based on the following conditions.
- Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

S12EC.SSJS (S3-M12JA3FC.EA6GEEU)

Outdo	or Air						Indoor	Air Temp	erature	: °C DB					
Tempe	erature	1	6	1	8	2	0	2	1	2	2	2	4	3	0
°C DB	°C WB	TC	PI	TC	PI	TC	Pl	TC	PI	TC	Pl	TC	PI	TC	Pl
-14	-15	2.82	1.31	2.74	1.30	2.71	1.30	2.68	1.29	2.66	1.29	2.61	1.27	2.55	1.27
-9	-10	3.04	1.37	2.95	1.35	2.92	1.35	2.89	1.34	2.87	1.34	2.81	1.33	2.74	1.33
-4	-5	3.33	1.44	3.23	1.43	3.20	1.43	3.17	1.41	3.14	1.41	3.08	1.40	3.01	1.40
1	0	3.77	1.50	3.66	1.49	3.62	1.49	3.59	1.47	3.56	1.47	3.49	1.46	3.40	1.46
2	1	3.85	1.51	3.74	1.50	3.70	1.50	3.66	1.49	3.64	1.49	3.56	1.47	3.48	1.47
7	6	3.87	0.96	3.75	0.95	3.71	0.95	3.67	0.94	3.65	0.94	3.57	0.93	3.49	0.93
12	11	4.69	1.57	4.55	1.55	4.50	1.55	4.46	1.53	4.42	1.53	4.33	1.52	4.23	1.52
18	14	4.89	1.61	4.74	1.59	4.69	1.59	4.64	1.58	4.61	1.58	4.52	1.56	4.41	1.56
24	18	5.05	1.66	4.89	1.64	4.85	1.64	4.80	1.62	4.76	1.62	4.67	1.61	4.55	1.61

Symbol
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature
TC: Total Capacity
PI: Pow er Input

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

°C]

[kW] [kW]

- All capacities are net, evaporator fan motor heat is deducted.
- 2. Direct interpolation is permissible. Do not extrapolate.
- 3. Capacities are based on the following conditions.
 - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

PC18SC.SSKT (S3-M18KL2DB.EA6GEEU)

Outdo	or Air						Indoor	Air Temp	erature	: °C DB					
Tempe	erature	1	6	1	8	2	0	2	1	2	2	2	4	3	0
°C DB	°C WB	TC	Pl	TC	Pl	TC	PI	TC	PI	TC	PI	TC	PI	TC	Pl
-14	-15	3.95	1.98	3.83	1.96	3.79	1.96	3.76	1.94	3.73	1.94	3.65	1.92	3.56	1.92
-9	-10	4.26	2.06	4.13	2.04	4.08	2.04	4.04	2.02	4.01	2.02	3.93	2.00	3.84	2.00
-4	-5	4.75	2.10	4.60	2.08	4.55	2.08	4.51	2.06	4.48	2.06	4.39	2.04	4.28	2.04
1	0	5.53	2.03	5.37	2.01	5.31	2.01	5.26	1.99	5.22	1.99	5.11	1.97	4.99	1.97
2	1	5.68	2.02	5.51	2.00	5.45	2.00	5.40	1.98	5.35	1.98	5.25	1.96	5.12	1.96
7	6	5.63	1.49	5.46	1.48	5.40	1.48	5.35	1.47	5.31	1.47	5.20	1.45	5.08	1.45
12	11	6.38	1.56	6.18	1.54	6.12	1.54	6.06	1.52	6.01	1.52	5.89	1.51	5.75	1.51
18	14	6.65	1.60	6.44	1.58	6.38	1.58	6.31	1.57	6.27	1.57	6.14	1.55	5.99	1.55
24	18	6.87	1.65	6.66	1.63	6.59	1.63	6.52	1.61	6.47	1.61	6.34	1.60	6.19	1.60

Svm	

Symbol
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature
TC: Total Capacity
PI: Pow er Input

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

°C] [kW] [kW]

- All capacities are net, evaporator fan motor heat is deducted.
- 2. Direct interpolation is permissible. Do not extrapolate.
- 3. Capacities are based on the following conditions.
 - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

S18EC.SSKS (S3-M18KL3FC.EA6GEEU)

Outdo	or Air						Indoor	Air Temp	erature	: °C DB					
Tempe	erature	1	6	1	8	2	0	2	:1	2	2	2	4	3	0
°C DB	°C WB	TC	PI	TC	PI	TC	Pl	TC	PI	TC	Pl	TC	PI	TC	Pl
-14	-15	3.95	1.98	3.83	1.96	3.79	1.96	3.76	1.94	3.73	1.94	3.65	1.92	3.56	1.92
-9	-10	4.26	2.06	4.13	2.04	4.08	2.04	4.04	2.02	4.01	2.02	3.93	2.00	3.84	2.00
-4	-5	4.75	2.10	4.60	2.08	4.55	2.08	4.51	2.06	4.48	2.06	4.39	2.04	4.28	2.04
1	0	5.53	2.03	5.37	2.01	5.31	2.01	5.26	1.99	5.22	1.99	5.11	1.97	4.99	1.97
2	1	5.68	2.02	5.51	2.00	5.45	2.00	5.40	1.98	5.35	1.98	5.25	1.96	5.12	1.96
7	6	5.63	1.49	5.46	1.48	5.40	1.48	5.35	1.47	5.31	1.47	5.20	1.45	5.08	1.45
12	11	6.38	1.56	6.18	1.54	6.12	1.54	6.06	1.52	6.01	1.52	5.89	1.51	5.75	1.51
18	14	6.65	1.60	6.44	1.58	6.38	1.58	6.31	1.57	6.27	1.57	6.14	1.55	5.99	1.55
24	18	6.87	1.65	6.66	1.63	6.59	1.63	6.52	1.61	6.47	1.61	6.34	1.60	6.19	1.60

°C] [kW]

[kW]

Symbol
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature
TC: Total Capacity
PI: Pow er Input

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

- All capacities are net, evaporator fan motor heat is deducted.
- 2. Direct interpolation is permissible. Do not extrapolate.
- 3. Capacities are based on the following conditions.
 - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

PC24SC.SSKT (S3-M24K22DB.EA6GEEU)

Outdoor Air			Indoor Air Temperature : °C DB													
Tempe	erature	1	6	1	8	2	<u>:</u> 0	2	:1	2	2	2	4	3	0	
°C DB	°C WB	TC	Pl	TC	PI	TC	Pl	TC	PI	TC	PI	TC	PI	TC	Pl	
-14	-15	5.64	2.31	5.47	2.29	5.42	2.29	5.36	2.27	5.32	2.27	5.22	2.24	5.09	2.24	
-9	-10	6.08	2.41	5.89	2.39	5.83	2.39	5.78	2.37	5.73	2.37	5.62	2.34	5.48	2.34	
-4	-5	6.20	2.47	6.01	2.44	5.95	2.44	5.89	2.42	5.84	2.42	5.73	2.40	5.59	2.40	
1	0	6.08	2.41	5.90	2.39	5.84	2.39	5.78	2.37	5.74	2.37	5.62	2.34	5.49	2.34	
2	1	6.06	2.40	5.88	2.38	5.82	2.38	5.76	2.36	5.72	2.36	5.60	2.33	5.47	2.33	
7	6	7.29	2.05	7.07	2.03	7.00	2.03	6.93	2.01	6.88	2.01	6.74	1.99	6.58	1.99	
12	11	9.04	2.91	8.77	2.88	8.68	2.88	8.59	2.85	8.53	2.85	8.36	2.82	8.16	2.82	
18	14	9.42	2.99	9.14	2.96	9.05	2.96	8.96	2.93	8.89	2.93	8.71	2.90	8.50	2.90	
24	18	9.74	3.08	9.44	3.05	9.35	3.05	9.25	3.02	9.18	3.02	9.00	2.99	8.78	2.99	

Svm	L -	

Symbol
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature
TC: Total Capacity
PI: Pow er Input

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

°C] [kW]

[kW]

- Note All capacities are net, evaporator fan motor heat is deducted.
- 2. Direct interpolation is permissible. Do not extrapolate.
- 3. Capacities are based on the following conditions.
 - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

S24EC.SSKS (S3-M24K23FC.EA6GEEU)

Outdoor Air							Indoor	Air Temp	erature	: °C DB					
Tempe	erature	1	6	1	8	2	0	2	1	2	2	2	4	3	0
°C DB	°C WB	TC	PI	TC	PI	TC	Pl	TC	PI	TC	PI	TC	PI	TC	Pl
-14	-15	5.64	2.31	5.47	2.29	5.42	2.29	5.36	2.27	5.32	2.27	5.22	2.24	5.09	2.24
-9	-10	6.08	2.41	5.89	2.39	5.83	2.39	5.78	2.37	5.73	2.37	5.62	2.34	5.48	2.34
-4	-5	6.20	2.47	6.01	2.44	5.95	2.44	5.89	2.42	5.84	2.42	5.73	2.40	5.59	2.40
1	0	6.08	2.41	5.90	2.39	5.84	2.39	5.78	2.37	5.74	2.37	5.62	2.34	5.49	2.34
2	1	6.06	2.40	5.88	2.38	5.82	2.38	5.76	2.36	5.72	2.36	5.60	2.33	5.47	2.33
7	6	7.29	2.05	7.07	2.03	7.00	2.03	6.93	2.01	6.88	2.01	6.74	1.99	6.58	1.99
12	11	9.04	2.91	8.77	2.88	8.68	2.88	8.59	2.85	8.53	2.85	8.36	2.82	8.16	2.82
18	14	9.42	2.99	9.14	2.96	9.05	2.96	8.96	2.93	8.89	2.93	8.71	2.90	8.50	2.90
24	18	9.74	3.08	9.44	3.05	9.35	3.05	9.25	3.02	9.18	3.02	9.00	2.99	8.78	2.99

°C] [kW]

[kW]

Symbol
DB: Dry Bulb Temperature
WB: Wet Bulb Temperature
TC: Total Capacity
PI: Pow er Input

(Comp.+ Indoor Fan Motor + Outdoor Fan Motor)

- All capacities are net, evaporator fan motor heat is deducted.
- 2. Direct interpolation is permissible. Do not extrapolate.
- 3. Capacities are based on the following conditions.
 - Interconnecting Piping Length 5 m (16.4 ft.)
 Level Difference of Zero.

9. Capacity Coefficient Factor

9.1 Capacity Change Rate (%)

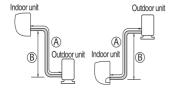
	Refrigerant Pipe Length												
Model	m	5	7.5	10	15	20	25	30	35	40	45	50	
	ft	16.4	24.6	32.8	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0	
PC09SC.SSJT	Cooling	100	100	-	-	-	-	-	-	-	-	-	
(S3-M09JA2DB.EA6GEEU)	Heating	100	100	-	-	-	-	-	-	-	-	-	
S09EC.SSJS	Cooling	100	100	-	-	-	-	-	-	-	-	-	
(S3-M09JA3FC.EA6GEEU)	Heating	100	100	-	-	-	-	-	-	-	-	-	
PC12SC.SSJT	Cooling	100	100	-	-	-	-	-	-	-	-	-	
(S3-M12JA2DB.EA6GEEU)	Heating	100	100	-	-	-	-	-	-	-	-	-	
S12EC.SSJS	Cooling	100	100	-	-	-	-	-	-	-	-	-	
(S3-M12JA3FC.EA6GEEU)	Heating	100	100	-	-	-	-	-	-	-	-	-	
PC18SC.SSKT	Cooling	100	100	-	-	-	-	-	-	-	-	-	
(S3-M18KL2DB.EA6GEEU)	Heating	100	100	-	-	-	-	-	-	-	-	-	
S18EC.SSKS	Cooling	100	100	-	-	-	-	-	-	-	-	-	
(S3-M18KL3FC.EA6GEEU)	Heating	100	100	-	-	-	-	-	-	-	-	-	
PC24SC.SSKT	Cooling	100	100	-	-	-	-	-	-	-	-	-	
(S3-M24K22DB.EA6GEEU)	Heating	100	100	-	-	-	-	-	-	-	-	-	
S24EC.SSKS	Cooling	100	100	-	-	-	-	-	-	-	-	-	
(S3-M24K23FC.EA6GEEU)	Heating	100	100	-	-	-	-	-	-	-	-	-	



9. Capacity Coefficient Factor

9.2 Pipe Size, Length and Elevation

		Pipe	Size		Standard	Min. / Max.	Max.	Additional	No Charge	
Model	Gas		Liquid			Pipe Length		•	Pipe Length	
	mm	inch	mm	inch	[m (ft.)]	A [m (ft.)]	B [m (ft.)]	[g/m (oz./ft.)]	[m (ft.)]	
PC09SC.SSJT	ø 9.52	ø 3/8	ø 6.35	ø 1/4	7.5	3 / 15	7	20	7.5	
(S3-M09JA2DB.EA6GEEU)	9.52	Ø 3/0	b 0.33	W 174	(24.6)	(9.8 / 49.2)	(23)	(0.22)	(24.6)	
S09EC.SSJS	ø 9.52	a 2/0	a 6 25	ø 1/4	7.5	3 / 15	7	20	7.5	
(S3-M09JA3FC.EA6GEEU)	0 9.52	ø 3/8	ø 6.35		(24.6)	(9.8 / 49.2)	(23)	(0.22)	(24.6)	
PC12SC.SSJT	ø 9.52	ø 3/8	ø 6.35	ø 1/4	7.5	3 / 15	7	20	7.5	
(S3-M12JA2DB.EA6GEEU)	0 9.52	Ø 3/0	Ø 0.33		(24.6)	(9.8 / 49.2)	(23)	(0.22)	(24.6)	
S12EC.SSJS	ø 9.52	ø 3/8	ø 6.35	ø 1/4	7.5	3 / 15	7	20	7.5	
(S3-M12JA3FC.EA6GEEU)	Ø 9.5Z	Ø 3/0			(24.6)	(9.8 / 49.2)	(23)	(0.22)	(24.6)	
PC18SC.SSKT	ø 12.7	ø 1/2	ø 6.35	ø 1/4	7.5	3 / 20	10	20	7.5	
(S3-M18KL2DB.EA6GEEU)	Ø 12.7	Ø 1/Z	Ø 0.33	Ø 1/4	(24.6)	(9.8 / 65.6)	(32.8)	(0.22)	(24.6)	
S18EC.SSKS	ø 12.7	ø 1/2	ø 6.35	414	7.5	3 / 20	10	20	7.5	
(S3-M18KL3FC.EA6GEEU)	0 12.7	Ø 1/2	0.33	ø 1/4	(24.6)	(9.8 / 65.6)	(32.8)	(0.22)	(24.6)	
PC24SC.SSKT	Ø	a 5/0	a 6 25	ø 1/4	7.5	3 / 30	15	20	7.5	
(S3-M24K22DB.EA6GEEU)	15.88	סוט ש	ø 5/8 ø 6.35		(24.6)	(9.8 / 98.4)	(49.2)	(0.22)	(24.6)	
S24EC.SSKS	Ø	ø 5/8	ø 6.35	ø 1/4	7.5	3 / 30	15	20	7.5	
(S3-M24K23FC.EA6GEEU)	15.88	Ø 3/6	Ø 0.33	Ø 1/4	(24.6)	(9.8 / 98.4)	(49.2)	(0.22)	(24.6)	



MARNING

 It may cause reliability, performance, noise, and vibration problem, if piping limitations are not met. Keep minimum piping length by making loops, although indoor unit and outdoor unit are close.

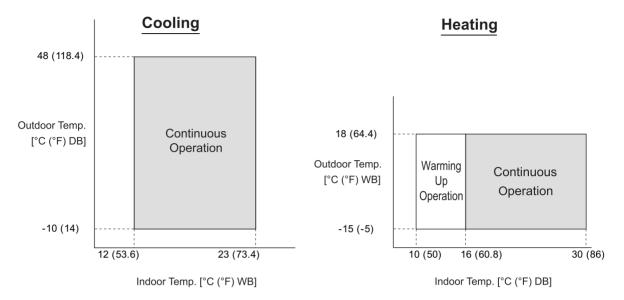
9. Capacity Coefficient Factor

9.3 Additional Refrigerant Charge

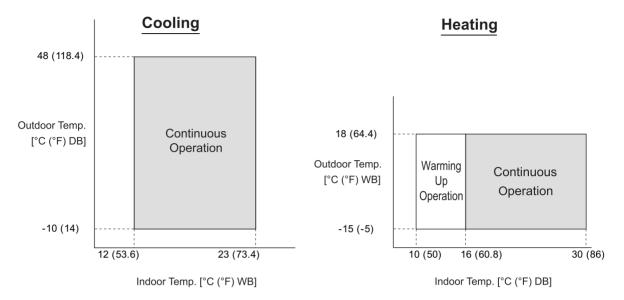
	Refrigerant Pipe Length												
Model	m	5	7.5	10	12.5	15	20	25	30	35	40	45	50
	ft	16.4	24.6	32.8	41.0	49.2	65.6	82.0	98.4	114.8	131.2	147.6	164.0
PC09SC.SSJT		0	0	50	100	150	_					-	_
(S3-M09JA2DB.EA6GEEU)		U	U	(1.8)	(3.6)	(5.4)	-	-	-	-	-		_
S09EC. SSJS		0	0	50	100	150			-	-		-	
(S3-M09JA3FC.EA6GEEU)		0	0	(1.8)	(3.6)	(5.4)	-	-			-		-
PC12SC.SSJT		0	0	50	100	150							
(S3-M12JA2DB.EA6GEEU)		U		(1.8)	(3.6)	(5.4)	-	-	-	-	-	-	-
S12EC.SSJS		Additional 0	0	50	100	150							
(S3-M12JA3FC.EA6GEEU)	Charge		U	0	(1.8)	(3.6)	(5.4)	-	-	-	-	-	
PC18SC.SSKT	[g (oz.)]	0	0	50	100	150	250 (9.0)						
(S3-M18KL2DB.EA6GEEU)	[9 (02./]	U	U	(1.8)	(3.6)	(5.4)		-	_	-	-	1 -	
S18EC.SSKS		0	0	50	100	150	250						
(S3-M18KL3FC.EA6GEEU)		U	U	(1.8)	(3.6)	(5.4)	(9.0)	-	-	-	-	-	-
PC24SC.SSKT		0	0	50	100	150	250	350	450				
(S3-M24K22DB.EA6GEEU)		U	U	(1.8)	(3.6)	(5.4)	(9.0)	(12.6)	(16.2)	-	-	-	-
S24EC.SSKS		0	0	50	100	150	250	350	450				
(S3-M24K23FC.EA6GEEU)		U	U	(1.8)	(3.6)	(5.4)	(9.0)	(12.6)	(16.2)	-	-	-	-

- Capacity is based on standard length and maximum allowance length is on the basis of reliability.
- Equivalent Pipe Length = Actual Pipe Length + Number of Bends x 0.3
 Calculation: X g (oz.) = [(Refrigerant Pipe Length) (No Charge Pipe Length)] × (Additional Refrigerant)
 There is no need to charge refrigerant till no charge pipe length based on reliability

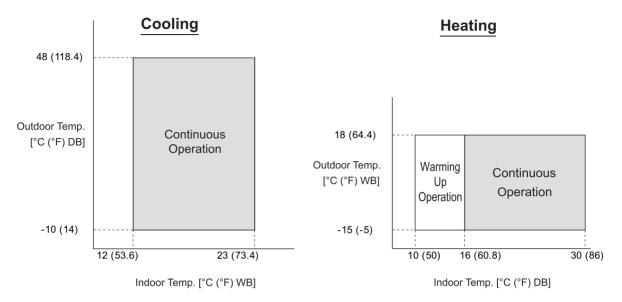
PC09SC.SSJT (S3-M09JA2DB.EA6GEEU)



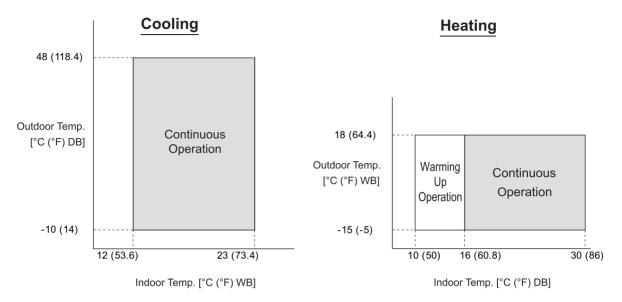
S09EC.SSJS (S3-M09JA3FC.EA6GEEU)



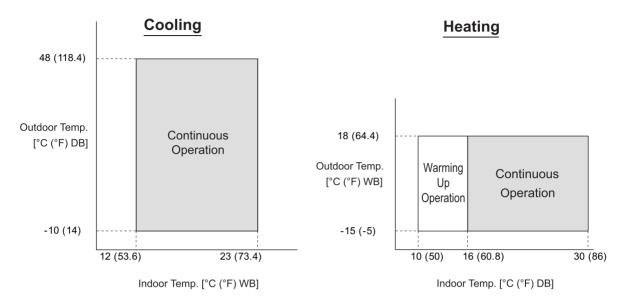
PC12SC.SSJT (S3-M12JA2DB.EA6GEEU)



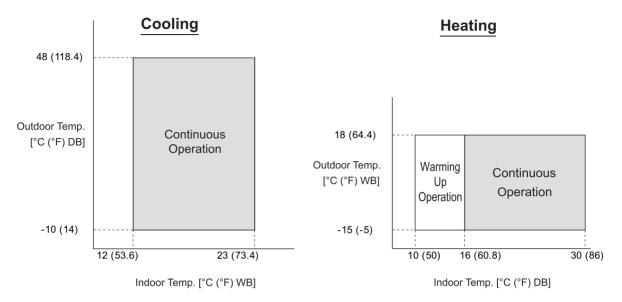
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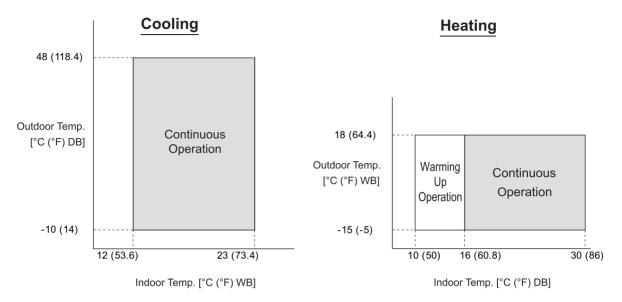
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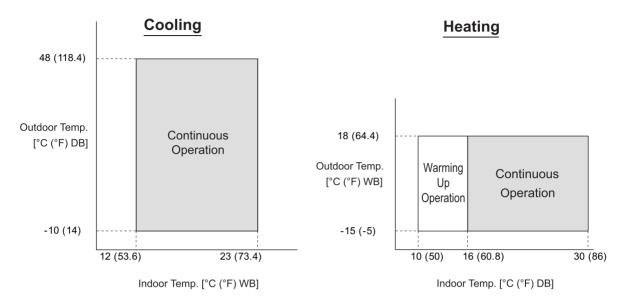
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PC24SC.SSKT (S3-M24K22DB.EA6GEEU)

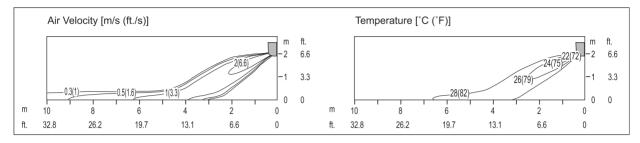


S24EC.SSKS (S3-M24K23FC.EA6GEEU)



PC09SC.SSJT (S3-M09JA2DB.EA6GEEU)

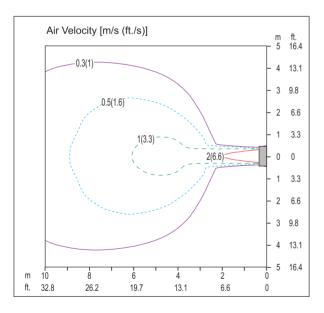
Cooling



Side View

Discharge Angle: 35° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

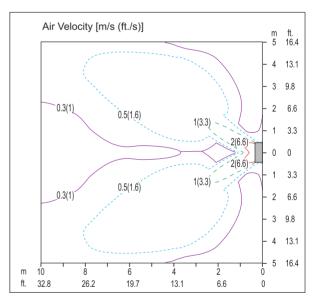




Discharge Angle: 35° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 11.5 m (37.7 ft.)

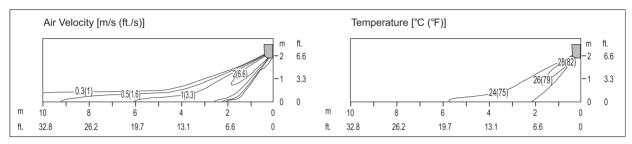


Top View

Discharge Angle: 35° (From the floor \overline{V})

Vertical Louver : Left & Right

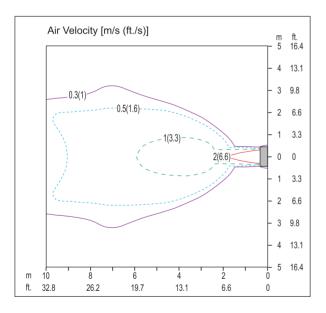
Heating



Side View

Discharge Angle: 55° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

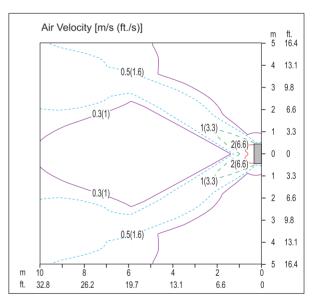




Discharge Angle: 55° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 10.5 m (34.4 ft.)



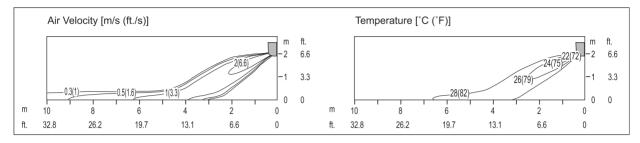
Top View

Discharge Angle: 55° (From the floor \overline{V})

Vertical Louver : Left & Right

S09EC.SSJS (S3-M09JA3FC.EA6GEEU)

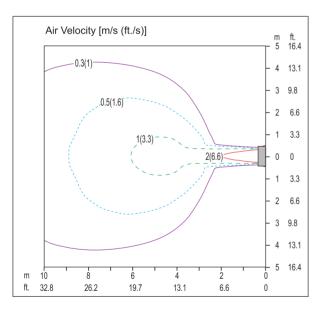
Cooling



Side View

Discharge Angle: 35° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

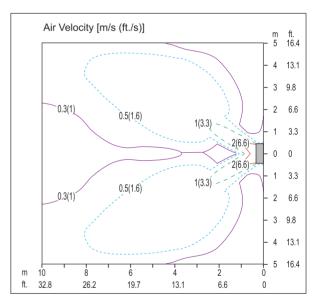


Top View

Discharge Angle: 35° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 11.5 m (37.7 ft.)

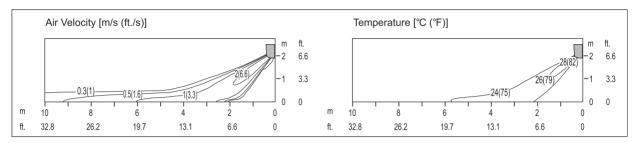


Top View

Discharge Angle: 35° (From the floor \overline{V})

Vertical Louver : Left & Right

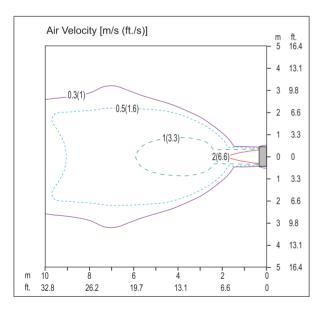
Heating



Side View

Discharge Angle: 55° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

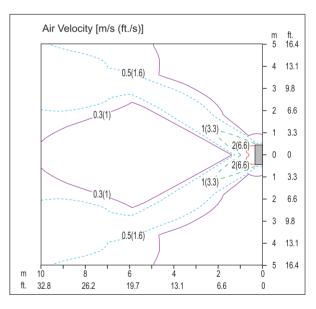




Discharge Angle: 55° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 10.5 m (34.4 ft.)



Top View

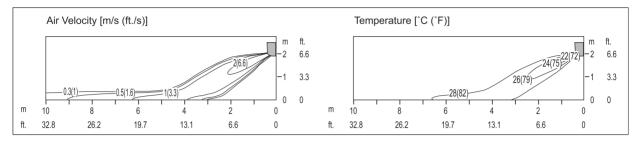
Discharge Angle: 55° (From the floor \overline{V})

Vertical Louver : Left & Right



PC12SC.SSJT (S3-M12JA2DB.EA6GEEU)

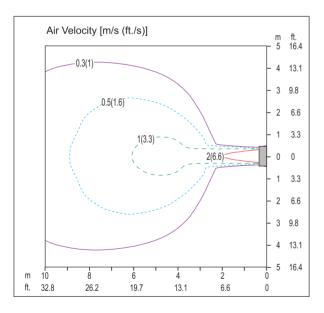
Cooling



Side View

Discharge Angle : 35° (From the floor ▽)

Vertical Louver : Center Fan Speed : Power

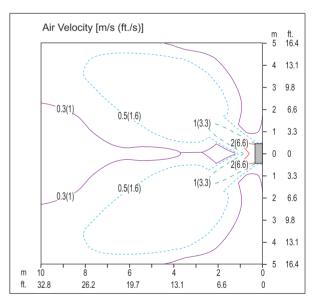


Top View

Discharge Angle: 35° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 11.5 m (37.7 ft.)

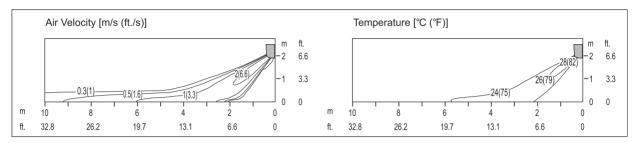


Top View

Discharge Angle: 35° (From the floor \overline{V})

Vertical Louver : Left & Right

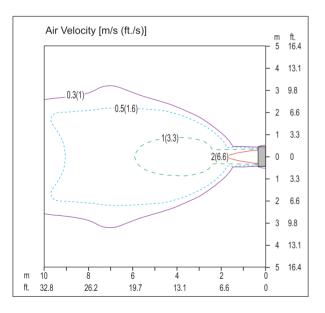
Heating



Side View

Discharge Angle: 55° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

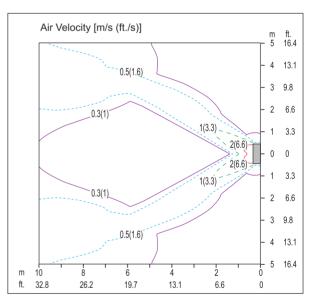


Top View

Discharge Angle: 55° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 10.5 m (34.4 ft.)



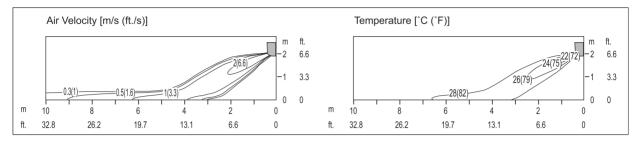
Top View

Discharge Angle: 55° (From the floor \overline{V})

Vertical Louver : Left & Right

S12EC.SSJS (S3-M12JA3FC.EA6GEEU)

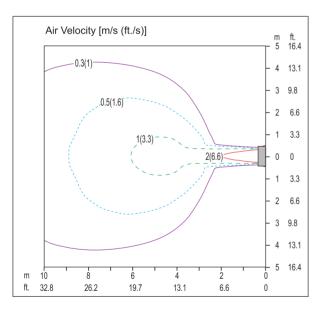
Cooling



Side View

Discharge Angle : 35° (From the floor ▽)

Vertical Louver : Center Fan Speed : Power

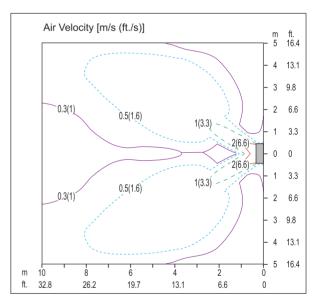


Top View

Discharge Angle: 35° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 11.5 m (37.7 ft.)

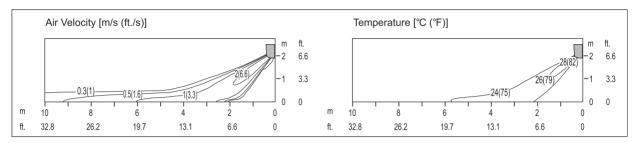


Top View

Discharge Angle: 35° (From the floor \overline{V})

Vertical Louver : Left & Right

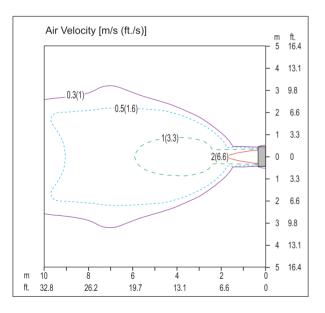
Heating



Side View

Discharge Angle: 55° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

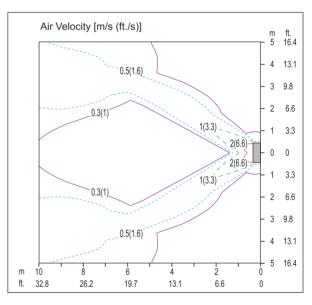


Top View

Discharge Angle: 55° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 10.5 m (34.4 ft.)



Top View

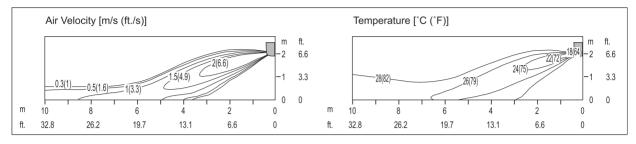
Discharge Angle: 55° (From the floor \overline{V})

Vertical Louver : Left & Right



PC18SC.SSKT (S3-M18KL2DB.EA6GEEU)

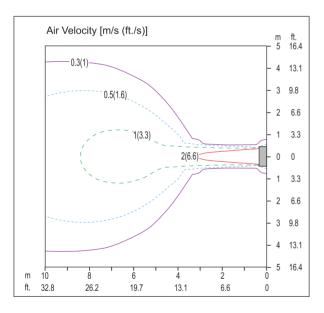
Cooling



Side View

Discharge Angle: 25° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

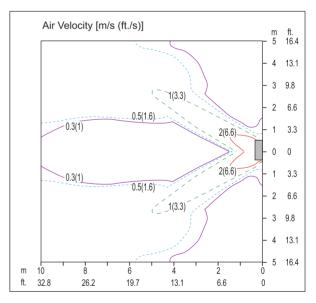


Top View

Discharge Angle: 25° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 15.7 m (51.5 ft.)

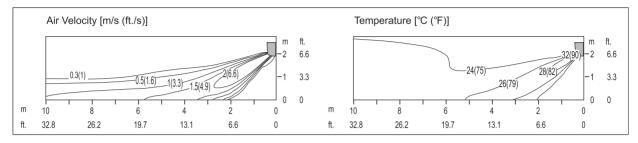


Top View

Discharge Angle: 25° (From the floor \overline{V})

Vertical Louver : Left & Right

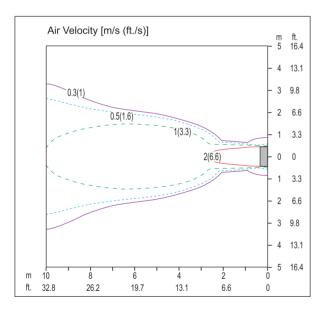
Heating



Side View

Discharge Angle: 45° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

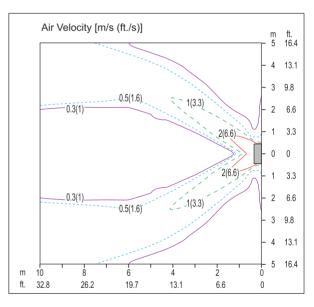


Top View

Discharge Angle: 45° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 18.0 m (59.1 ft.)



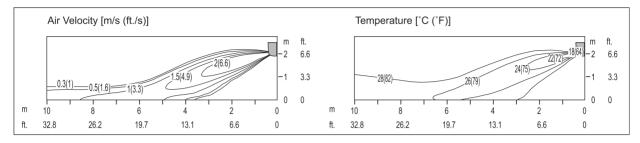
Top View

Discharge Angle: 45° (From the floor \overline{V})

Vertical Louver : Left & Right

S18EC.SSKS (S3-M18KL3FC.EA6GEEU)

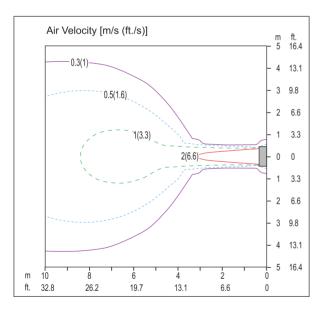
Cooling



Side View

Discharge Angle: 25° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

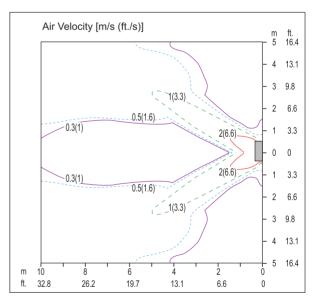


Top View

Discharge Angle: 25° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 15.7 m (51.5 ft.)

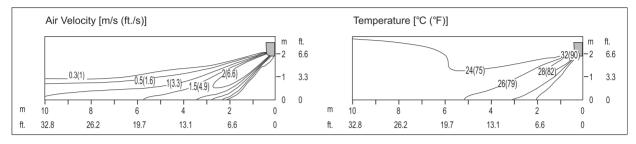


Top View

Discharge Angle: 25° (From the floor \overline{V})

Vertical Louver : Left & Right

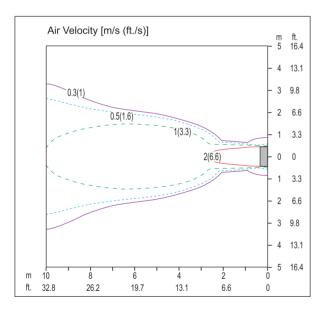
Heating



Side View

Discharge Angle : 45° (From the floor ▽)

Vertical Louver : Center Fan Speed : Power

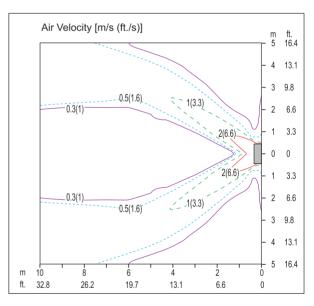




Discharge Angle: 45° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 18.0 m (59.1 ft.)



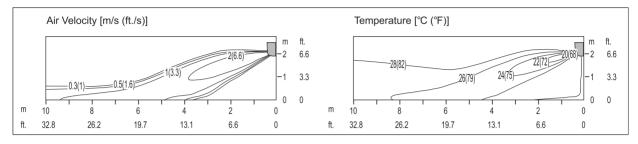
Top View

Discharge Angle: 45° (From the floor \overline{V})

Vertical Louver : Left & Right

PC24SC.SSKT (S3-M24K22DB.EA6GEEU)

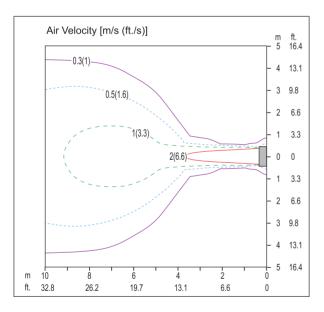
Cooling



Side View

Discharge Angle: 25° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

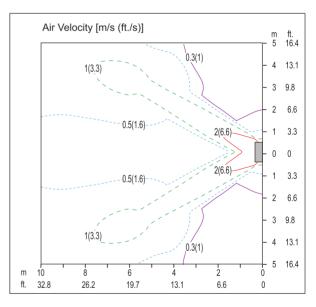


Top View

Discharge Angle: 25° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 16.5 m (54.1 ft.)

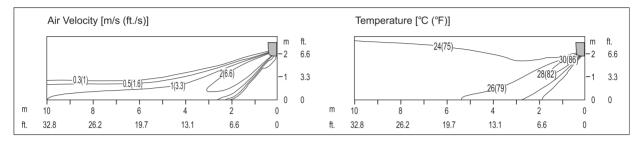


Top View

Discharge Angle: 25° (From the floor \overline{V})

Vertical Louver : Left & Right

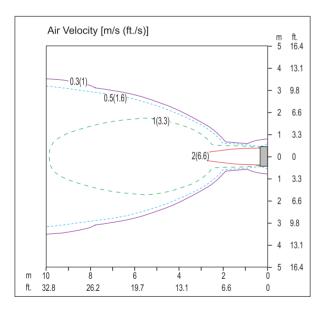
Heating



Side View

Discharge Angle: 45° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

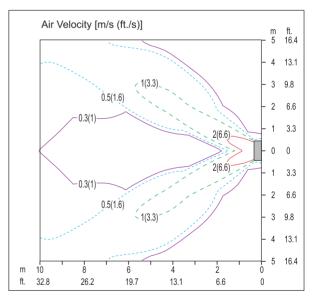




Discharge Angle: 45° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 19.0 m (62.3 ft.)



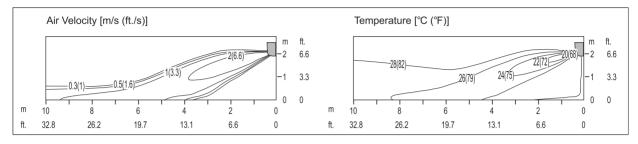
Top View

Discharge Angle: 45° (From the floor \overline{V})

Vertical Louver : Left & Right

S24EC.SSKS (S3-M24K23FC.EA6GEEU)

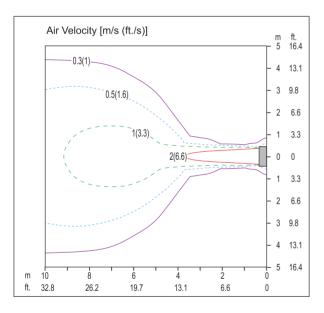
Cooling



Side View

Discharge Angle: 25° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

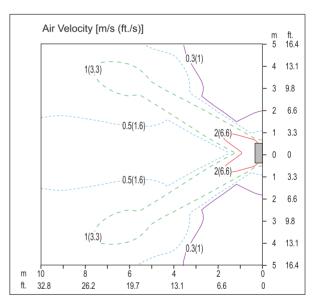


Top View

Discharge Angle: 25° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 16.5 m (54.1 ft.)

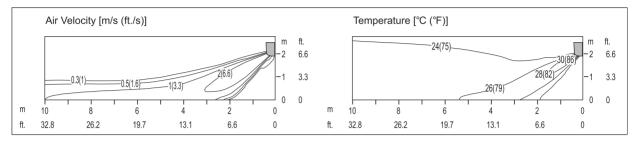


Top View

Discharge Angle: 25° (From the floor \overline{V})

Vertical Louver : Left & Right

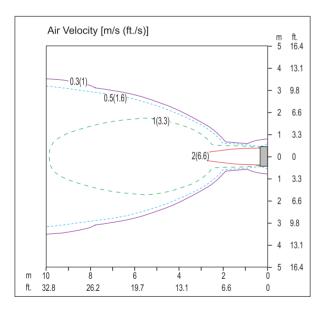
Heating



Side View

Discharge Angle: 45° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

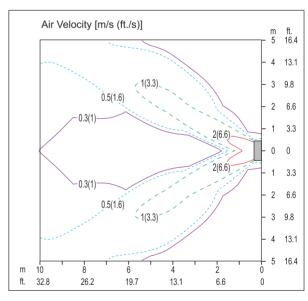




Discharge Angle: 45° (From the floor \overline{V})

Vertical Louver : Center Fan Speed : Power

Air Speed 0.3 m/s (1 ft./s) Range: 19.0 m (62.3 ft.)

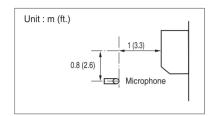


Top View

Discharge Angle: 45° (From the floor \overline{V})

Vertical Louver : Left & Right

12.1 Sound Pressure Level (Indoor Unit)



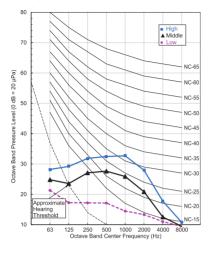
Note

- Sound measured at 1 m (3.3 ft.) away from the unit.
- · Data is valid at free field condition.
- Data is valid at nominal operation condition.
- Reference acoustic pressure 0 dB=20 µPa.
- Sound level will vary depending on a range of factors such as the construction(acoustic absorption coefficient) of particular room in which the equipment is installed.
- The operating conditions are assumed to be standard.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
- Sound level is measured in an anechoic room and may be different according to the test condition or equipment.

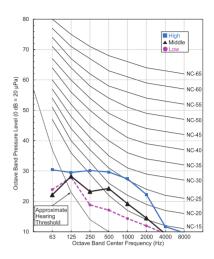
		Sou	nd Lev	els [dB	(A)]		
Model		Cooling			Heating		
	Н	М	L	Н	М	L	
PC09SC.NSJT (S3NM09JA2DB.EA6GEEU)	41	35	27	41	35	27	
S09EC.NSJS (S3NM09JA3FC.EA6GEEU)	41	35	27	41	35	27	
PC12SC.NSJT (S3NM12JA2DB.EA6GEEU)	41	35	27	41	35	27	
S12EC.NSJS (S3NM12JA3FC.EA6GEEU)	41	35	27	41	35	27	
PC18SC.NSKT (S3NM18KL2DB.EA6GEEU)	44	39	34	44	39	34	
S18EC.NSKS (S3NM18KL3FC.EA6GEEU)	44	39	34	44	39	34	
PC24SC.NSKT (S3NM24K22DB.EA6GEEU)	47	42	34	47	42	34	
S24EC.NSKS (S3NM24K23FC.EA6GEEU)	47	42	34	47	42	34	

PC09SC.NSJT (S3NM09JA2DB.EA6GEEU)

Cooling

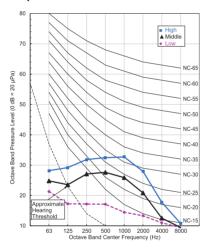


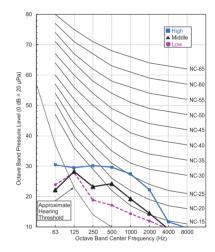
Heating



S09EC.NSJS (S3NM09JA3FC.EA6GEEU)

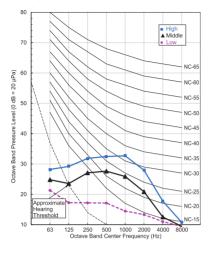
Cooling



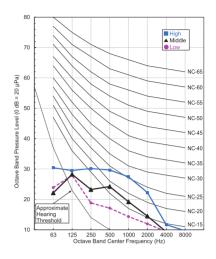


PC12SC.NSJT (S3NM12JA2DB.EA6GEEU)

Cooling

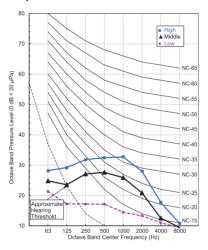


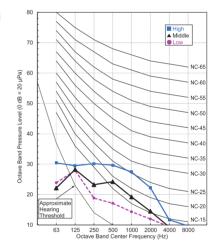
Heating



S12EC.NSJS (S3NM12JA3FC.EA6GEEU)

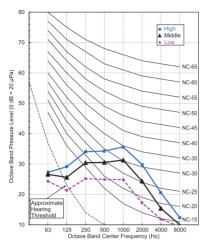
Cooling



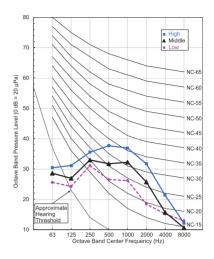


PC18SC.NSKT (S3NM18KL2DB.EA6GEEU)

Cooling

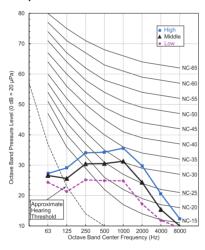


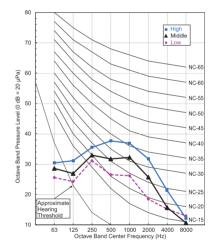
Heating



S18EC.NSKS (S3NM18KL3FC.EA6GEEU)

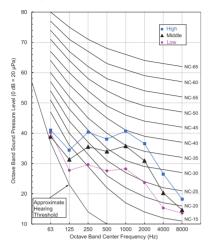
Cooling



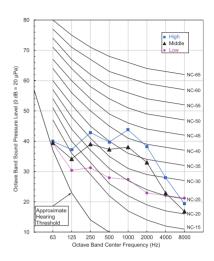


PC24SC.NSKT (S3NM24K22DB.EA6GEEU)

Cooling

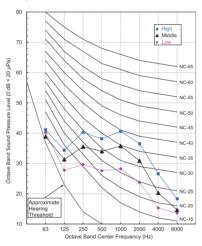


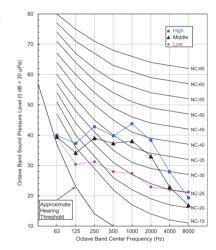
Heating



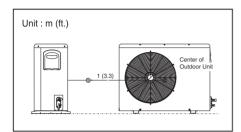
S24EC.NSKS (S3NM24K23FC.EA6GEEU)

Cooling





12.2 Sound Pressure Level (Outdoor Unit)



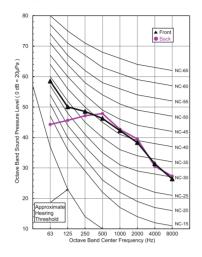
Note

- Sound measured at 1 m (3.3 ft.) away from the unit.
- · Data is valid at free field condition.
- Data is valid at nominal operation condition.
- Reference acoustic pressure 0 dB=20 µPa.
- Sound level will vary depending on a range of factors such as the construction(acoustic absorption coefficient) of particular room in which the equipment is installed.
- The operating conditions are assumed to be standard.
- Sound pressure level is measured on the rated condition in the anechoic rooms by ISO 3745 standard.
- Sound level is measured in an anechoic room and may be different according to the test condition or equipment.

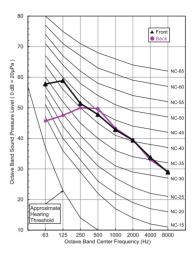
	Sound Lev	Sound Levels [dB (A)]		
Model	Cooling	Heating		
	н	Н		
PC09SC.UA3T (S3UM09JA2DB.EA6GEEU)	48	50		
S09EC.UA3S (S3UM09JA3FC.EA6GEEU)	48	50		
PC12SC.UA3T (S3UM12JA2DB.EA6GEEU)	48	50		
S12EC.UA3S (S3UM12JA3FC.EA6GEEU)	48	50		
PC18SC.UL2T (S3UM18KL2DB.EA6GEEU)	53	55		
S18EC.UL2S (S3UM18KL3FC.EA6GEEU)	53	55		
PC24SC.U24T (S3UM24K22DB.EA6GEEU)	54	57		
S24EC.U24S (S3UM24K23FC.EA6GEEU)	54	57		

PC09SC.UA3T (S3UM09JA2DB.EA6GEEU)

Cooling

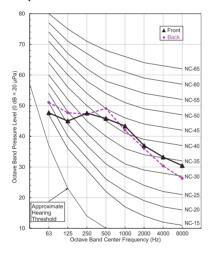


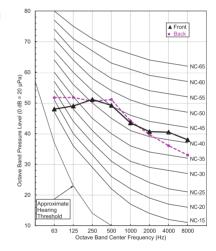
Heating



S09EC.UA3S (S3UM09JA3FC.EA6GEEU)

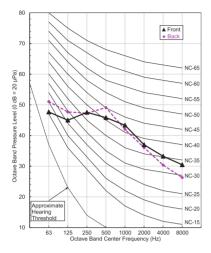
Cooling



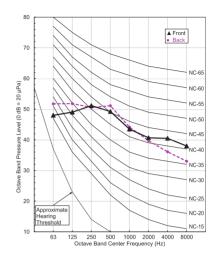


PC12SC.UA3T (S3UM12JA2DB.EA6GEEU)

Cooling

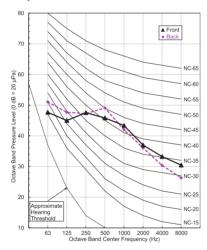


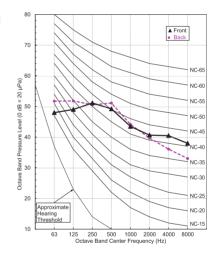
Heating



S12EC.UA3S (S3UM12JA3FC.EA6GEEU)

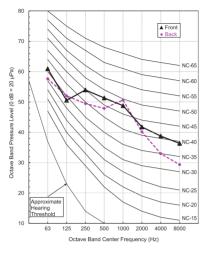
Cooling



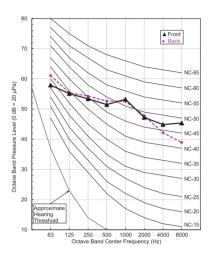


PC18SC.UL2T (S3UM18KL2DB.EA6GEEU)

Cooling

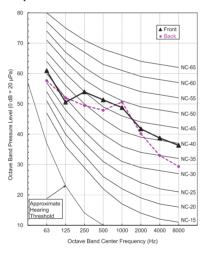


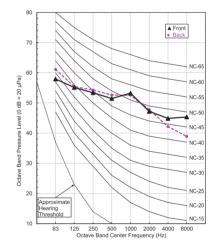
Heating



S18EC.UL2S (S3UM18KL3FC.EA6GEEU)

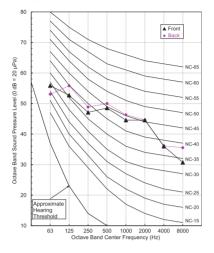
Cooling



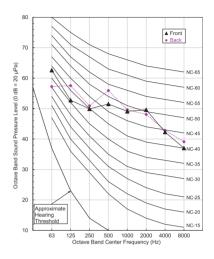


PC24SC.U24T (S3UM24K22DB.EA6GEEU)

Cooling

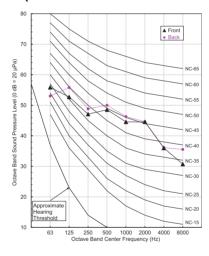


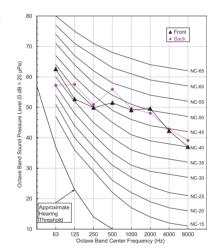
Heating



S24EC.U24S (S3UM24K23FC.EA6GEEU)

Cooling







12.3 Sound Power Level (Indoor Unit)

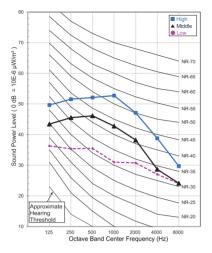
Note

- · Data is valid at diffuse field condition.
- Data is valid at nominal operating condition.
- Sound level can be increased in static pressure mode or used air guide.
- Sound power level is measured on the rated condition in the reverberation rooms.
- Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment in installed.
- Reference acoustic intensity 0dB = 10E-6µW/m²
- · Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.

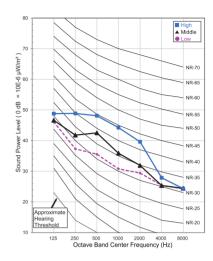
Model	Sound Levels [dB (A)]
PC09SC.NSJT (S3NM09JA2DB.EA6GEEU)	59
S09EC.NSJS (S3NM09JA3FC.EA6GEEU)	59
PC12SC.NSJT (S3NM12JA2DB.EA6GEEU)	59
S12EC.NSJS (S3NM12JA3FC.EA6GEEU)	59
PC18SC.NSKT (S3NM18KL2DB.EA6GEEU)	60
S18EC.NSKS (S3NM18KL3FC.EA6GEEU)	60
PC24SC.NSKT (S3NM24K22DB.EA6GEEU)	65
S24EC.NSKS (S3NM24K23FC.EA6GEEU)	65

PC09SC.NSJT (S3NM09JA2DB.EA6GEEU)

Cooling

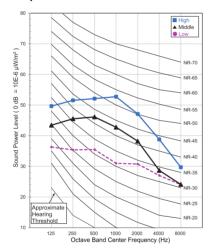


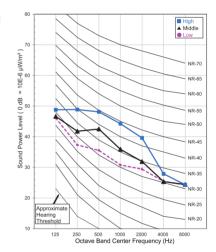
Heating



S09EC.NSJS (S3NM09JA3FC.EA6GEEU)

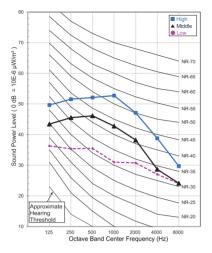
Cooling



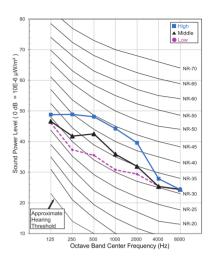


PC12SC.NSJT (S3NM12JA2DB.EA6GEEU)

Cooling

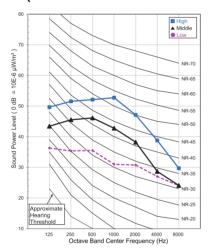


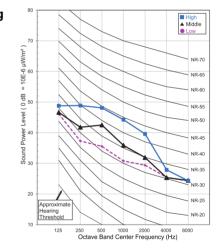
Heating



S12EC.NSJS (S3NM12JA3FC.EA6GEEU)

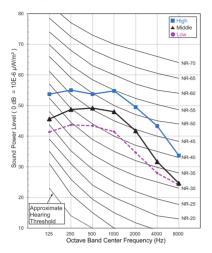
Cooling



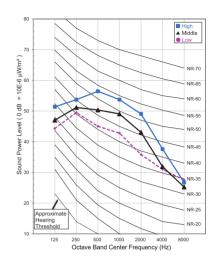


PC18SC.NSKT (S3NM18KL2DB.EA6GEEU)

Cooling

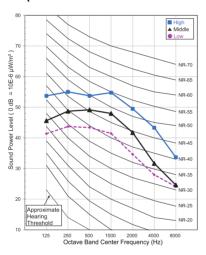


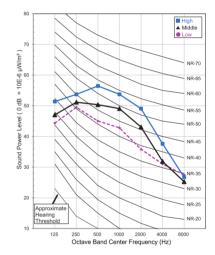
Heating



S18EC.NSKS (S3NM18KL3FC.EA6GEEU)

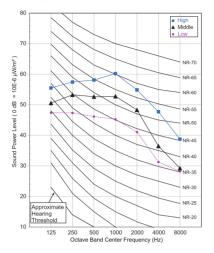
Cooling



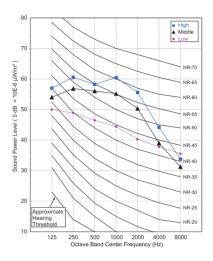


PC24SC.NSKT (S3NM24K22DB.EA6GEEU)

Cooling

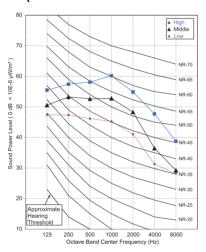


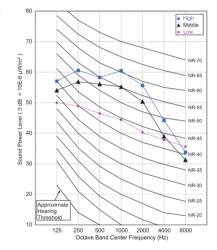
Heating



S24EC.NSKS (S3NM24K23FC.EA6GEEU)

Cooling







12.4 Sound Power Level (Outdoor Unit)

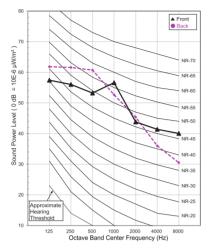
Note

- · Data is valid at diffuse field condition.
- Data is valid at nominal operating condition.
- Sound level can be increased in static pressure mode or used air guide.
- Sound power level is measured on the rated condition in the reverberation rooms.
- Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment in installed.
- Reference acoustic intensity 0dB = 10E-6µW/m²
- · Sound power level is measured on the rated condition in the reverberation rooms by ISO 3741 standard.

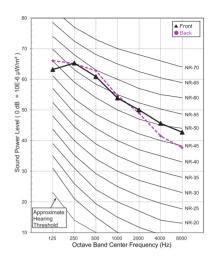
Model	Sound Levels [dB (A)]
PC09SC.UA3T (S3UM09JA2DB.EA6GEEU)	-
S09EC.UA3S (S3UM09JA3FC.EA6GEEU)	-
PC12SC.UA3T (S3UM12JA2DB.EA6GEEU)	-
S12EC.UA3S (S3UM12JA3FC.EA6GEEU)	-
PC18SC.UL2T (S3UM18KL2DB.EA6GEEU)	-
S18EC.UL2S (S3UM18KL3FC.EA6GEEU)	-
PC24SC.U24T (S3UM24K22DB.EA6GEEU)	-
S24EC.U24S (S3UM24K23FC.EA6GEEU)	-

PC09SC.UA3T (S3UM09JA2DB.EA6GEEU)

Cooling

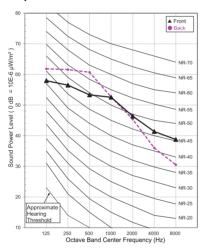


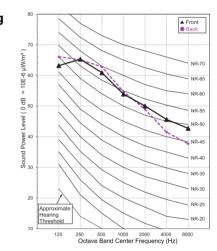
Heating



S09EC.UA3S (S3UM09JA3FC.EA6GEEU)

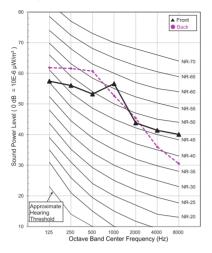
Cooling



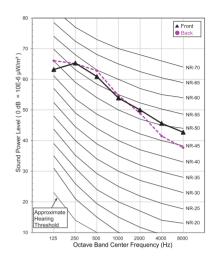


PC12SC.UA3T (S3UM12JA2DB.EA6GEEU)

Cooling

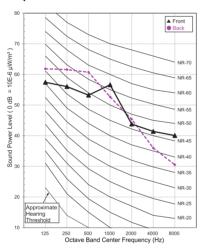


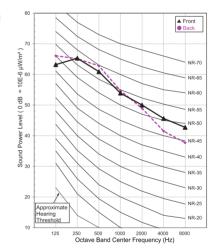
Heating



S12EC.UA3S (S3UM12JA3FC.EA6GEEU)

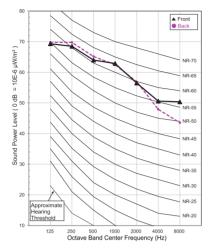
Cooling



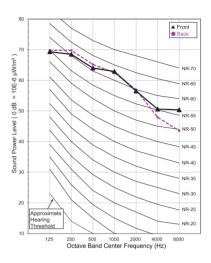


PC18SC.UL2T (S3UM18KL2DB.EA6GEEU)

Cooling

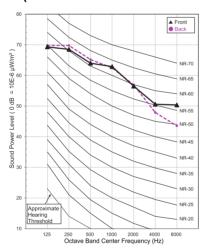


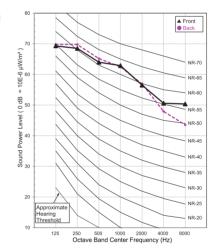
Heating



S18EC.UL2S (S3UM18KL3FC.EA6GEEU)

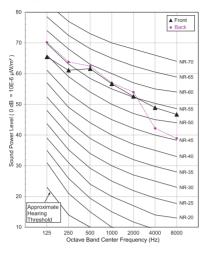
Cooling



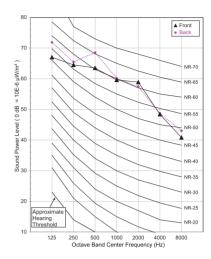


PC24SC.U24T (S3UM24K22DB.EA6GEEU)

Cooling

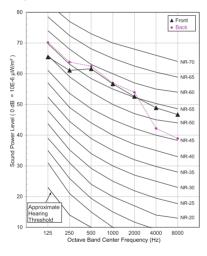


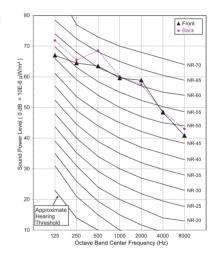
Heating



S24EC.U24S (S3UM24K23FC.EA6GEEU)

Cooling





Wireless Remote Controller

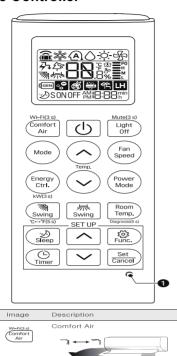
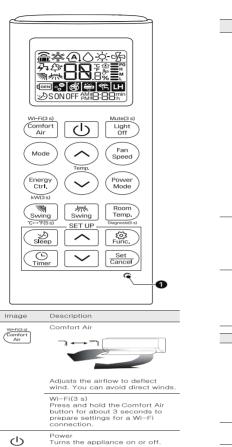


Image	Description
Wi-Fi(3 s) Comfort Air	Comfort Air
	Adjusts the airflow to deflect wind. You can avoid direct winds. Wi-Fi(3 s) Press and hold the Comfort Air button for about 3 seconds to prepare settings for a Wi-Fi connection.
ப	Power Turns the appliance on or off.
Mute(3 s) Light Off	Light Off
	Turns the indoor unit display on or off. Adjusting it according to the day or night.
	Mute(3 s) Press and hold the Light Off button for about 3 seconds to turn on or off buzzer sound.
Func.	Func. Selects the desired function.
Cimer	Timer Automatically turns the appliance on or off at a desired time.
Set	Set/Cancel Sets or cancels the special functions and timer.
	Reset Resets the wireless remote control settings

Image	Description
Mode	Mode Selects the desired operating mode.
	*→△→◇→☆→ \$
	Cooling mode
	Auto changeover mode / Auto operation mode *1 It automates the process of choosing the right settings for your space.
	Oehumidification mode
	Heating mode (on some models)
	S Fan mode
$\begin{array}{c c} \hline \\ \hline $	Temperature Adjust Adjusts the desired room temperature.
$\overline{}$	Fan Speed
Fan Speed	
	Adjusts the fan speed.
Image	Description
	Energy Ctrl.
Image Energy Ctrl. kW(3 s)	Energy Ctrl.
Energy Ctrl.	Energy Ctrl. Decrease the power input. You can control energy consumption.
Energy Ctrl.	Energy Ctrl.
Energy Ctrl.	Decrease the power input. You can control energy consumption. KW(3 e)
Energy Ctrl kW(3 s)	Decrease the power input. You can control energy consumption. KW(8 9) Fress and hold the Energy Ctrl. button for about 3 seconds to set whether or not to display information regarding energy. Power Mode Changes the room temperature
Enorgy Ctrt SW(3 to)	Decrease the power input. You can control energy consumption. kW(3 s) Press and hold the Energy Ctrl. button for about 3 seconds to set whether or not to display information regarding energy. Power Mode Changes the room temperature quickly. Up-Down Swing Adjusts the airflow direction up
Enorgy Ctrt SW(3 to)	Energy Ctrl. Decrease the power input. You can control energy consumption. kW(3 s) Press and hold the Energy Ctrl. button for about 3 seconds to set whether or not to display information regarding energy. Power Mode Changes the room temperature quickly. Up−Down Swing Adjusts the airflow direction up and down. To ← FF (5 s) Press and hold the Up−Down SWING button for about 5
Fower Mode	Energy Ctrl. Decrease the power input. You can control energy consumption. kW(3 s) Press and hold the Energy Ctrl. button for about 3 seconds to set information regarding energy. Power Mode Charges the room temperature quilckly. Up−Down Swina Adjusts the airflow direction up and down. To → *F (5 s) Press and hold the Up−Down SWING button for about 5 seconds, to change units between 'Q and *F Left-Right Swing Adjusts the airflow direction left
Energy Cirt. swift in the control of	Energy Ctrl. Decrease the power input. You can control energy consumption. kW(3 s) Fress and report 3 seconds to set of the Energy Ctrl. whether or not to display information regarding energy. Power Mode Changes the room temperature quickly. Up−Down Swing Adjusts the airflow direction up and down. To → *F (5 s) Fress and hold the Up−Down SWING button for about 5 seconds, to change units between 'Q and *F Left-Right Swing Adjusts the airflow direction left and right.
Energy Cirt. swift in the control of	Decrease the power input. You can control energy consumption. W((g s)) Fress and hold the Energy Ctrl. button for about 3 seconds to set whether or not to display information regarding energy. Power Mode Changes the room temperature quickly. Up-Down Swing Adjusts the airflow direction up and down. The F (5 s) Press and hold the Up-Down seconds, to change units between 'C and 'F Left-Flight Swing Adjusts the airflow direction left and right. Room Temp. Displays the room temperature. Disagnosis (5 s) Press and hold the Room Temp. Dispress and hold the Room Temp. Dutton for about 5 seconds, to

P/No	Applied Model
5401614003(AKB76038403)	PC09SC.NSJT (S3NM09JA2DB.EA6GEEU)



Mute(3 s)
Light
Off

Set Cancel Light Off



Turns the indoor unit display on or off. Adjusting it according to the day or night.

Mute(3 s)
Press and hold the Light Off
button for about 3 seconds to
turn on or off buzzer sound.

Func.
Selects the desired function.

Timer
Automatically turns the appliant on or off at a desired time.

Set/Cancel Sets or cancels the special functions and timer.

Reset
 Resets the wireless remote control settings.

Image Description Selects the desired operating Mode mode. 淼→△→△→△→吩 紫 Cooling mode Auto changeover mode / Auto operation mode *1 It automates the process of choosing the right settings for (A) vour space. Dehumidification mode \Diamond Heating mode (on some models) Ŏ. 免 Fan mode Temperature Adjust Adjusts the desired room temperature. Fan Speed Adjusts the fan speed Description Energy Ctrl. Decrease the power input. You can control energy consumption. kW(3 s)
Press and hold the Energy Ctrl.
button for about 3 seconds to set
whether or not to display
information regarding energy. Power Mode Changes the room temperature quickly. Power Up-Down Swing
Adjusts the airflow direction up
and down.

C ← *F (5 s)
Press and hold the Up-Down
SWING button for about 5
seconds, to change units
between ℃ and *F Left-Right Swing Adjusts the airflow direction left and right. ঠাং Swing Room Temp. Displays the room temperature. Diagnosis(5 s)
Press and hold the Room Temp.
button for about 5 seconds, to
easily check the maintenance
information of an appliance. Sleep Automatically turns the appliance off at a desired time. Use it before sleeping. Sleep

Time Adjust Adjusts the time on the display.

P/No	Applied Model
5401614003(AKB76038403)	S09EC.NSJS (S3NM09JA3FC.EA6GEEU)

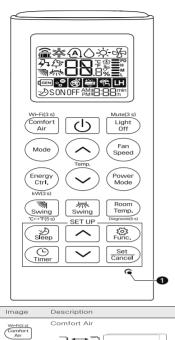
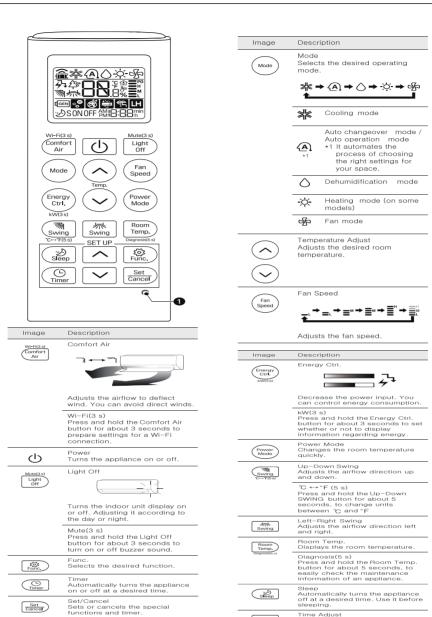


Image	Description
Wi-Fi(3 s) Comfort Air	Comfort Air
	Adjusts the airflow to deflect wind. You can avoid direct winds.
	Wi-Fi(3 s) Press and hold the Comfort Air button for about 3 seconds to prepare settings for a Wi-Fi connection.
ப	Power Turns the appliance on or off.
Mute(3 s) Light Off	Light Off
	Turns the indoor unit display on or off. Adjusting it according to the day or night.
	Mute(3 s) Press and hold the Light Off button for about 3 seconds to turn on or off buzzer sound.
Func.	Func. Selects the desired function.
Timer	Timer Automatically turns the appliance on or off at a desired time.
Set Cancel	Set/Cancel Sets or cancels the special functions and timer.
	a Reset Resets the wireless remote control settings.

Image	Desc	ription
Mode	Mode Selec mode	ts the desired operating
	*	⋆⑷⋆◇⋆ጶ⋆蜴
	**	Cooling mode
	(A)	Auto changeover mode / Auto operation mode *1 It automates the process of choosing the right settings for your space.
	\Diamond	Dehumidification mode
	X	Heating mode (on some models)
	多	Fan mode
$ \begin{array}{c c} \hline $	Adjus	erature Adjust ts the desired room erature.
	Fan S	Speed
Fan Speed		<u></u>
	Adjus	ts the fan speed.
Image	Desc	ription
Energy Ctrl.		
Energy Ctrl.	Energ	ription gy Ctrl.
Energy Ctrl.	Decre can c	ription by Ctrl. Sase the power input. You control energy consumption. s) and hold the Energy Ctrl.
Energy Ctrl.	Decre can c kW(3 Press butto wheth inform	pase the power input. You control energy consumption. s) and hold the Energy Ctrl. in for about 3 seconds to set her or not to display nation regarding energy. ir Mode ges the room temperature
Energy Ctrl. kWG so	Decrecan control by the control by t	pription by Ctri. Sease the power input. You control energy consumption. s) and hold the Energy Ctrl. In for about 3 seconds to set the reor not to display mation regarding energy. Ir Mode ges the room temperature by. Sown Swing to the the seriflow direction up to the series of the series direction up to the series direc
Energy Ctrl. NW(5 m)	Decrecan control whether the control whether t	pription by Ctrl. passe the power input. You control energy consumption. s) and hold the Energy Ctrl. In for about 3 seconds to set ter or not to display mation reparding energy. r Mode ges the room temperature by. bown Swling ts the airflow direction up lown.
Energy Ctrl. NW(5 m)	Decrecan control of the control of t	pription by Ctri. Sase the power input. You control energy consumption. s) and hold the Energy Ctri. In for about 3 seconds to set the received of the re
Energy Ctrl. IVVCT0 POWER Mode Swing C-PES 3	Decrecan control with the control with t	pription by Ctri. Sase the power input. You control energy consumption. s) and hold the Energy Ctri. In for about 3 seconds to set the received of the re
Energy CtrL IVVCF19 FOWER MGGE Swing C-TFD 3	Decrecan control of the control of t	pription by Ctri. provided and the power input, You control energy consumption. and hold the Energy Ctri. In for about 3 seconds to set ner or not to display mation regarding energy. If Mode ges the room temperature by. bown Swing to the sirritow direction up lown. "F(S) a) and hold the Up-Down G button for about 5 dos, to change units en 'C and 'F Right Swing to the sirritow direction left light.
Energy Ctrl. IVVCT0 POWER Mode Swing C-PES 3	Decrecan control of the control of t	pription by Ctrl. passe the power input. You control energy consumption. s) and hold the Energy Ctrl. In for about 3 seconds to set test or not to display returned to the control of set test or not to display returned to the control of set test or not to display returned to the control of set test or not to display returned to the control of set test or the control

P/No	Applied Model
5401614003(AKB76038403)	PC12SC.NSJT (S3NM12JA2DB.EA6GEEU)



P/No	Applied Model
5401614003(AKB76038403)	S12EC.NSJS (S3NM12JA3FC.EA6GEEU)

a Reset Resets the wireless remote control settings.

Time Adjust Adjusts the time on the display.

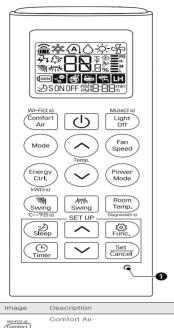


Image	Description
W-Fi(3 s) Comfort Air	Adjusts the airflow to deflect wind. You can avoid direct winds.
	Press and hold the Comfort Air button for about 3 seconds to prepare settings for a Wi-Fi connection.
ப	Power Turns the appliance on or off.
Mute(3 s) Light Off	Light Off
	Turns the indoor unit display on or off. Adjusting it according to the day or night.
	Mute(3 s) Press and hold the Light Off button for about 3 seconds to turn on or off buzzer sound.
Func.	Func. Selects the desired function.
Timer	Timer Automatically turns the appliance on or off at a desired time.
Set	Set/Cancel Sets or cancels the special

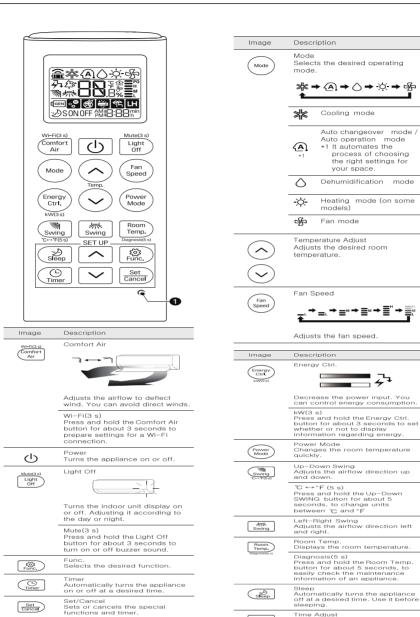
Reset
 Resets the wireless remote control settings.

Image	Description		
Mode	Mode Selects the desired operating mode.		
	* → △ → △ → ⊗		
	Cooling mode		
	Auto changeover mode / Auto operation mode *1 It automates the process of choosing the right settings for your space.		
	Oehumidification mode		
	Heating mode (on some models)		
	Fan mode		
$ \begin{array}{c} \hline $	Temperature Adjust Adjusts the desired room temperature.		
Fan Speed	Fan Speed → = □ → ≡ □ → ≡ □ → ≡ □		
	Adjusts the fan speed.		
Image	Description		
Energy Ctrl.			
Energy Ctrl.	Description Energy Ctrl.		
Energy Ctrl.	Description Energy Ctrl.		
Energy Ctrl.	Description Energy Ctrl. Decrease the power input. You can control energy consumption. kW(3 e) Press and hold the Energy Ctrl.		
Energy Ctrl. kwig s)	Description Energy Ctrl. Decrease the power input. You can control energy consumption. kW(3 s) Press and hold the Energy Ctrl. button for about 3 seconds to se whether or not to display information regarding energy. Power Mode Changes the room temperature		
Energy Ctrt Store	Description Energy Ctrl. Decrease the power input. You can control energy consumption. kW(3 s) Press and hold the Energy Ctrl. button for about 3 seconds to se whether or not to display information regarding energy. Power Mode Changes the room temperature quickly. Up-Down Swing Adjusts the airflow direction up and down. Description		
Energy Ctrt Store	Description Energy Ctrl. Decrease the power input. You can control energy consumption. kW(3 s) Fress and hold the Energy Ctrl. Press and about 3 secrets to sewhether or not to display information regarding energy. Power Mode Changes the room temperature quickly. Up-Down Swing Adjusts the airflow direction up and down.		
Proved Cort. LVVII to Cort. LVVII to Cort. LVVII to Cort. Co	Description Energy Ctrl. Decrease the power input. You can control energy consumption. kW(3 e) Press and hold the Energy Ctrl. button for about 3 seconds to se whether or not to display information regarding energy. Power Mode Changes the room temperature quickly. Up—Down Swing Adjusts the airflow direction up and down. Tess are hold the Up—Down Swing hold to the control of		
Energy Cirk. styles of Mode Swing Control of Cirk.	Description Energy Ctrl. Decrease the power input. You can control energy consumption. kW(3 e) Press and hold the Energy Ctrl. button for about 3 seconds to se whether or not to display information regarding energy. Power Mode Changes the room temperature quickly. Up−Down Swing Adjusts the airflow direction up and down. C ←¬F (5 e) Press and hold the Up−Down SWING button for about 5 seconds, to change units between "∑ and "F Left-Right Swing Adjusts the airflow direction left and right.		
Proved Cort. LVVII to Cort. LVVII to Cort. LVVII to Cort. Co	Description Energy Ctrl. Decrease the power input. You can control energy consumption. kW(3 s) Press and hold the Energy Ctrl. button for about 3 seconds to se with the control energy. Power Mode Changes the room temperature quickly. Up−Down Swing Adjusts the airflow direction up and down. TO → *F (5 s) Press and hold the Up−Down SWING button for about 5 between *Q and *F Left-Right Swing Adjusts the airflow direction left and fight. Room Temp. Diagnosis(5 s) Press and hold the Room Temp. Diagnosis(5 s) Press and hold the Room Temp. Putter of about 5 seconds, to		

P/No	Applied Model
5401614003(AKB76038403)	PC18SC.NSKT (S3NM18KL2DB.EA6GEEU)

Set Cancel

a Reset Resets the wireless remote control settings.



Ī	P/No	Applied Model
	5401614003(AKB76038403)	S18EC.NSKS (S3NM18KL3FC.EA6GEEU)

Time Adjust Adjusts the time on the display.

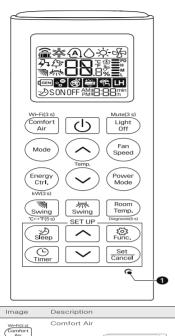
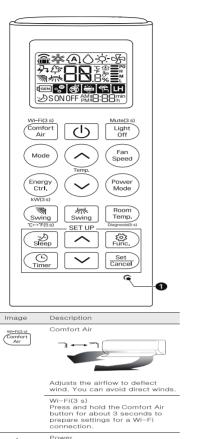


Image	Description
Wi-Fi(3 s) Comfort Air	Comfort Air
	Adjusts the airflow to deflect winds. You can avoid direct winds. Wi-Fi(3 s) Press and hold the Comfort Air button for about 3 seconds to prepare settings for a Wi-Fi connection.
ப	Power Turns the appliance on or off.
Mute(3 e) Light Off	Turns the indoor unit display on or off. Adjusting it according to the day or night.
	Mute(3 s) Press and hold the Light Off button for about 3 seconds to turn on or off buzzer sound.
Func.	Func. Selects the desired function.
Timer	Timer Automatically turns the appliance on or off at a desired time.
Set Cancel	Set/Cancel Sets or cancels the special functions and timer.
	a Reset Resets the wireless remote control settings.

Im	Donesistis	
Image	Description	
Mode	Mode Selects the desired operating mode.	
	* → (A)	→◇→☆→
	≱≰ Cool	ing mode
	Auto *1 lt pr th	changeover mode / operation mode automates the occess of choosing e right settings for our space.
	Oehu	umidification mode
	Heat mode	
	S Fan	mode
\bigcirc	Temperature Adjusts the temperature	desired room
$\overline{}$		
Fan Speed	Fan Speed	
	Adjusts the	fan sneed
		тап оресси.
Image	Description	rain speed.
	Energy Ctrl.	
Energy Ctrl.		
Energy Ctrl.	Energy Ctrl. Decrease th can control	
Energy Ctrl.	Decrease the can control kW(3 s) Press and hebutton for all whether or r	e power input. You
Energy Ctrl.	Decrease the can control kW(3 s) Press and houton for all whether or information Power Mode Changes the quickly.	e power input. You energy consumption. old the Energy Ctrl. pout 3 seconds to set to display regarding energy.
Energy Ctrl. kWG s)	Decrease the can control kW(3 s) Press and houton for all whether or information Power Mode Changes the quickly.	e power input. You energy consumption. old the Energy Ctrl. pout 3 seconds to set not to display regarding energy.
Energy Ctrl. kWG s)	Energy Ctri. Decrease th can control kW(3 s) Press and h button for all whether or information Power Mode Changes the quickly. Up-Down St. Adjusts the and down. C F (5, Press and h SWING butt	e power input. You energy consumption. old the Energy Ctrl. cout 3 seconds to set not to display regarding energy. e room temperature wing airritow direction up airritow do not not about 5 on for about 5 on for about 5
Energy Ctrl. RWG s)	Decrease the can control kW(8 s) Press and houtton for all whether or information. Power Mode Changes the quickly. Up-Down S' Adjusts the and down. T' → "F (5 i Press and how the seconds. to between "C" to be "C" to b	e power input. You energy consumption. old the Energy Ctrl. cout 3 seconds to set to display regarding energy. e room temperature wing alirflow direction up
Power Codes Power	Decrease the can control of the can	e power input. You energy consumption. old the Energy Ctrl. pout 3 seconds to set to display regarding energy. e room temperature wing alirflow direction up alirflow direction up on for about 5 change units and "F"
Power Mode Co-FFG 3	Decrease the can control kW(3 a) the can control kW(3 a) the can control kw(3 a) the can control kw(4	e power input. You energy consumption. old the Energy Ctrl. out 3 seconds to set to display regarding energy. e room temperature wing airflow direction up airflow direction up on for about 5 on for about 5 on for about 5 and "F". swing airflow direction left.
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P/No	Applied Model
5401614003(AKB76038403)	PC24SC.NSKT (S3NM24K22DB.EA6GEEU)



		(Speed)	7
Image	Description		Ad
Wi-Fi(3 s) Comfort Air	Comfort Air	Energy Ctrl.	D:
	Adjusts the airflow to deflect wind. You can avoid direct winds. Wi-Fi(3 s)		kV Pr
	Press and hold the Comfort Air button for about 3 seconds to prepare settings for a Wi-Fi connection.		bi w in
ப	Power Turns the appliance on or off.	Power	QI QI
Mute(3 s) Light Off	Light Off	Swing C-T(5x)	Ar ar Pr
	Turns the indoor unit display on or off. Adjusting it according to the day or night.	—————————————————————————————————————	se be
	Mute(3 s) Press and hold the Light Off button for about 3 seconds to turn on or off buzzer sound.	Swing Room Temp. Diagnosis o	Ad ar Bo
Func.	Func. Selects the desired function.		Pr bu
Timer	Timer Automatically turns the appliance on or off at a desired time.	Sleep	in SI Au
Set	Set/Cancel Sets or cancels the special functions and timer.		of sle
	a Reset Resets the wireless remote control settings.	<u>\</u>	Ad

Image	Description	
Mode	Mode Selects the desired operating mode.	
	* + @ + + + +	P
	Cooling mode	
	Auto changeover mode Auto operation mode *1 It automates the process of choosing the right settings for your space.	: /
	Oehumidification mode	Э
	Heating mode (on some models)	Э
	Fan mode	
$ \begin{array}{c c} \hline $	Temperature Adjust Adjusts the desired room temperature.	
$\overline{}$	Fan Speed	
Fan Speed	1	H M L
	Adjusts the fan speed.	
	· ·-, · · · · · · ·	
Image	Description	
Energy Ctrl.		
Energy Ctrl.	Description Energy Ctrl.	n.
Energy Ctrl.	Description Energy Ctrl. Decrease the power input. You can control energy consumption KW(3 s) Press and hold the Energy Ctrl.	
Energy Ctrl.	Description Energy Ctrl. Decrease the power input. You can control energy consumption kW(3 s)	
Energy Ctrl. kWG so	Description Energy Ctrl. Decrease the power input. You can control energy consumption kW(3 s) Press and hold the Energy Ctrl. button for about 3 seconds to swhether or not to display information regarding energy. Power Mode Changes the room temperature	
Energy Ctrl. NW(5 m)	Description Energy Ctrl. Decrease the power input, You can control energy consumption (kW(3 s)) Press and hold the Energy Ctrl. button for about 3 seconds to swhether or not to display information reparding energy. Power Mode Changes the room temperature quickly. Up-Down Swing Adjusts the airflow direction up and down.	
Energy Ctrl. NW(5 m)	Description Energy Ctrl. Decrease the power input. You can control energy consumption with the control energy consumption with the control energy consumption whether or not to display information regarding energy. Power Mode Changes the room temperature quickly. Up-Down Swing Adjusts the airflow direction up and down.	et
Energy Ctrl. IVVCT0 POWER Mode Swing C-PES 3	Description Energy Ctrl. Decrease the power input. You can control energy consumption (W(S)) Press and hold the Energy Ctrl. button for about 3 seconds to swhether or not to display information regarding energy. Power Mode Changes the room temperature quickly. Up-Down Swing Adjusts the airflow direction up and down. C +> "F(S) Press and hon for about S seconds, to change units between "C and "F Left-Right Swing Adjusts the airflow direction left and right. Room Temp.	et
Energy CtrL IVVCF19 FOWER MGGE Swing C-TFD 3	Description Energy Ctrl. Decrease the power input. You can control energy consumption (kW(3 s)) Press and hold the Energy Ctrl. button for about 3 seconds to swhether or not to display information reparding energy. Power Mode Changes the room temperature quickly. Up-Down Swing Adjusts the airflow direction up and down. C → "F (5 s) Press and hold the Up-Down SWING button for about 5 seconds, to change units between "Q and "F Left-Flight Swing Adjusts the airflow direction left and right. Boom Temp.	et
Energy Ctrl. IVVCT0 POWER Mode Swing C-PES 3	Description Energy Ctrl. Decrease the power input. You can control energy consumption kW(3 s) Press and hold the Energy Ctrl. button for about 3 seconds to s whether or not to display information reparding energy. Power Mode Changes the room temperature quickly. Up-Down Swing Adjusts the airflow direction up and down. C → "F (5 s) Press and hold the Up-Down SWING button for about 5 seconds, to change units between "Q and "F Left-Right Swing Adjusts the airflow direction left and right. Room Temp. Displays the room temperature.	et

P/No	Applied Model
5401614003(AKB76038403)	S24EC.NSKS (S3NM24K23FC.EA6GEEU)



14. Installation

14.1 Important Safety Instructions

The following safety guidelines are intended to prevent unforeseen risks or damage from unsafe or incorrect operation of the appliance. The guidelines are separated into 'WARNING' and 'CAUTION' as described below.





This symbol indicates that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposure to an external ignition source, there is a risk of fire.



This symbol is displayed to indicate matters and operations that can cause risk. Read the part with this symbol carefully and follow the instructions in order to avoid risk.



WARNING

This indicates that the failure to follow the instructions can cause serious injury or death.



CAUTION

This indicates that the failure to follow the instructions can cause the minor injury or damage to the product.

A

WARNING

To reduce the risk of explosion, fire, death, electric shock, injury or scalding to persons when using this product, follow basic precautions, including the following:

- The information contained in the manual is intended for use by a qualified service technician
 who is familiar with the safety procedures and equipped with the proper tools and test
 instruments.
- The appliance shall be installed in accordance with local and national wiring regulations.
- Means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agents or similarly qualified person in order to avoid a hazard.
- Appliance shall be disconnected from its power source during service and when replacing parts
- Failure to read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.
- Check that the appliance's voltage level is 90 % or higher than the rated voltage. To check it, refer to the label attached to the side of the appliance.
- Do not install the appliance on an unstable surface or in a place where there is danger of it falling.
- This appliance must be grounded. In the event of malfunction or breakdown, grounding will reduce the risk of electric shock by providing a path of least resistance for electric current.
- Improper connection of the equipment-grounding conductor can result in risk of electric shock. Check with a qualified electrician or service personnel if you are in doubt as to whether the appliance is properly grounded.
- If the power supply cable is damaged or the cable connection is loose, do not use the power supply cable and contact an authorized service center.
- Do not connect the ground wire to a gas pipe, a lightning rod, or a telephone ground wire.

- Do not share the power supply for this unit with other with other products or devices, it must be a dedicated power source for this this appliance.
- · Do not modify or extend the power cable.
- Ensure the power cable is secure so that it does not come out while the appliance is operating.
- Do not touch the power cable or the appliance controls with wet hands.
- Cut the power during a severe thunderstorm or lightening or when not in use for a long period
 of time.
- Do not grab the power cable when removing the plug, but rather hold the power plug tightly.
- Do not bend the power cable excessively or place a heavy object on it.
- Do not turn on the circuit breaker or power when covers are removed or opened.
- Make sure that the pipe and the power cable connecting the indoor and outdoor units are not pulled too tight when installing the appliance.
- Install dedicated electric outlet and circuit breaker for the appliance.
- Make sure to close the cover of the control box after connecting the wiring to the appliance.
- · Loose connections may cause electrical sparks, injury, and death.
- Do not install the appliance in a place where flammable liquids or gases such as gasoline, propane, paint thinner, etc., are stored.
- Only use the refrigerant designated on the label, do not put any foreign substances into the appliance.
- Use non-flammable gas (nitrogen) to check for leak and to purge air.
- Inert gas (oxygen free nitrogen) should be used when you checking for leaks, cleaning or repairs of pipes etc. If you are using combustible gases including oxygen, appliance may have the risk of fires and explosions.
- Do not use copper pipes which are deformed. Otherwise, the expansion valve or capillary tube may become blocked with contaminants.
- When installing or relocating the appliance, consult with a qualified technician to set up the appliance. The appliance should not be installed by someone without proper qualifications.
- Operating the appliance while it is disconnected to the pipe could result in explosion and damage. Use the appliance after connecting it to the pipe once the appliance has been relocated and the refrigerant circuit repaired.
- Do not place a heater or other heating appliances near the power cable.
- Keep any required ventilation openings clear of obstruction.
- Use only refrigerant grade pipe specific for R32 refrigerant. Do not use R22 products, which have lower pressure ratings and can result in excessive pressure, explosion and injury.
- · Compliance with national gas regulations shall be observed.
- Servicing shall only be performed as recommended by the equipment manufacturer.
 Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
- The installation of pipe-work shall be kept to a minimum.
- Any person who is involved with working on or breaking into a refrigerant circuit should hold
 a current valid certificate from an industry-accredited assessment authority regard of
 flammable refrigerants, which authorizes their competence to handle refrigerants safely in
 accordance with an industry recognized assessment specification.
- Refrigerant tubing shall be protected or enclosed to avoid damage.

- Flexible refrigerant connectors (such as connecting lines between the indoor and outdoor unit) that may be displaced during normal operations shall be protected against mechanical damage
- Ducts connected to an appliance shall not contain an ignition source.
- A brazed, welded, or mechanical connection shall be made before opening the valves to permit refrigerant to flow between the refrigerating system parts.
- When mechanical connectors are reused indoors, sealing parts shall be renewed.
- When flared joints are reused indoors, the flare part shall be re-fabricated.
- Mechanical connections (mechanical connectors or flared joints) shall be accessible for maintenance purposes.
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater.)
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- · Do not pierce or burn.
- · Be aware that refrigerants may not contain an odour.
- Pipe-work shall be protected from physical damage.



CAUTION

To reduce the risk of minor injury to persons, malfunction, or damage to the product or property when using this product, follow basic precautions, including the following:

- · Install at places where it can endure the weight and vibration/noise of the outdoor unit.
- Install the appliance in a place where the noise from the outdoor unit or the exhaust air will not inconvenience the neighbors. Failure to do so may result in conflict with the neighbors.
- Ensure the appliance is installed level. Otherwise, it may cause vibration or water leakage.
- Install the drain hose properly for the smooth drainage of water condensation.
- · Do not touch the leaking refrigerant during installation or repair.
- Always check for gas (refrigerant) leakage after installation or repair of appliance.
- Be cautious not to get injured by the sharp edges while installing the appliance or taking it out of its packaging.
- · Ensure that you carry by the chassis when you lift the unit.
- This appliance should only be transported by two or more people holding the appliance securely.
- Safely dispose of packing materials such as screws, nails or batteries using proper packaging after installation or repair.
- To avoid nitrogen entering the refrigerant system in a liquid state, the top of the cylinder must be higher than its bottom when you pressurize the system.
- Do not use the appliance for special purposes, such as preserving foods, works of art, and etc. It is an appliance for consumer purposes, not a precision refrigeration system. There is risk of damage or loss of property.

- · Do not discharge the refrigerant into the atmosphere.
- · If refrigerant leaks, ventilate the room.
- The tubing shall be protected to the extent that it will not be handled or used for carrying during moving of the product.
- Ventilation system have to be installed in the space when appliance with R32 is using for cooling of electric equipment.
- The handling of the refrigerant must comply with national regulations.

Precaution for using R32 refrigerant

- The basic installation work procedures are the same as conventional refrigerant (R410A, R22) models. However, pay careful attention to the following points:
- Please refer to installation and service manual of each appliance for detail.

WARNING

- 1. Since the working pressure is higher than that of refrigerant R22 models, some of the piping and installation and service tools are special.
 - Especially, when replacing a refrigerant R22 model with a new refrigerant R32 model, always replace the conventional piping and flare nuts with the R32 and R410A piping and flare nuts on the outdoor unit side.
- 2. Models that use refrigerant R32 and R410A have a different charging port thread diameter to prevent erroneous charging with refrigerant R22 and for safety.
- 3. Be more careful than R22 so that foreign matter (oil, water, etc.) does not enter the piping. Also, when storing the piping, securely seal the opening by pinching, taping, etc.

CAUTION

- 1. Installation (Space)
 - The installation of pipe-work shall be kept to a minimum. Avoid use dented pipe and do not allow acute bending.
 - Pipe-work shall be protected from physical damage.
 - Must comply with national gas regulations, state municipal rules and legislation. Notify relevant authorities in accordance with all applicable regulations.
 - Must ensure mechanical connections be accessible for maintenance purposes.
 - In cases that require mechanical ventilation, ventilation openings shall be kept clear of obstruction.
 - When disposal of the product, do follow to the precautions in #12 and comply with national regulations.
 - Always contact to local municipal offices for proper handling.
 - Interconnecting refrigerant pipework, i.e. pipework external to the unitary components, should be marked with a Class label every two metres where the pipework is visible. This includes pipework located in a ceiling space or any void which a person may access for maintenance or repair work within that space.

2. Servicing

- 2-1. Service personnel
- Any qualified person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry recognized assessment specification.
- Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
- · Servicing shall be performed only as recommended by the manufacturer.
- 2-2. Work

- Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimised.
 - For repair to the refrigerating system, the precautions in #2-2 to #2-8 must be followed before conducting work on the system.
- Work shall be undertaken under a controlled procedure so as to minimize the risk of a flammable gas or vapour being present while the work is being performed.
- All maintenance staff and others working in the local area shall be instructed and supervised on the nature of work being carried out.
- · Avoid working in confined spaces.
- Wear appropriate protective equipment, including respiratory protection, as conditions warrant.
- Ensure that the conditions within the area have been made safe by limit of use of any flammable material. Keep all sources of ignition and hot metal surfaces away.
- 2-3. Checking for presence of refrigerant
- The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres.
- Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non sparking, adequately sealed or intrinsically safe.
- In case of leakage/spillage happened, immediately ventilate area and stay upwind and away from spill/release.
- In case of leakage/spillage happened, do notify persons downwind of the leaking/spill, isolate immediate hazard area and keep unauthorized personnel out.
- 2-4. Presence of fire extinguisher
- If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available at hand.
- Have a dry powder or CO₂ fire extinguisher adjacent to the charging area.
- 2-5. No ignition sources
- No person carrying out work in relation to a refrigeration system which involves exposing
 any pipe work that contains or has contained flammable refrigerant shall use any sources
 of ignition in such a manner that it may lead to the risk of fire or explosion. Youmust not be
 smoking when carrying out such work.
- All possible ignition sources, including cigarette smoking, should be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space.
- Prior to work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks.
- "No Smoking" signs shall be displayed.
- 2-6. Ventilated area
- Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work.
- A degree of ventilation shall continue during the period that the work is carried out.
- The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.
- 2-7. Checks to the refrigeration equipment

- Where electrical components are being changed, they shall be fit for the purpose and to the correct specification.
- At all times the manufacturer's maintenance and service guidelines shall be followed.
- · If in doubt consult the manufacturer's technical department for assistance.
- The following checks shall be applied to installations using flammable refrigerants
 - The actual refrigerant charge is in accordance with the room size within which the refrigerant containing parts are installed.
 - The ventilation machinery and outlets are operating adequately and are not obstructed.
 - If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant.
 - Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected.
 - Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are properly protected against being so corroded.

2-8. Checks to electrical devices

- Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures.
- · Initial safety checks shall include but not limit to
 - That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking.
 - That there is no live electrical components and wiring are exposed while charging, recovering or purging the system.
 - That there is continuity of earth bonding.
- · At all times the manufacturer's maintenance and service guidelines shall be followed.
- If in doubt consult the manufacturer's technical department for assistance.
- If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with.
- If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used.
- The owner of the equipment must be informed or reported so all parties are advised thereinafter.

Repairs to sealed components

- During repairs to sealed components, all electrical supplies shall be disconnected from the equipment being worked upon prior to any removal of sealed covers, etc.
- If it is absolutely necessary to have an electrical supply to equipment during servicing, then
 a permanently operating form of leak detection shall be located at the most critical point to
 warn of a potentially hazardous situation.
- Particular attention shall be paid to the following to ensure that by working on electrical components, the casing is not altered in such a way that the level of protection is affected. This shall include damage to cables, excessive number of connections, terminals not made to original specification, damage to seals, incorrect fitting of glands, etc.
- Ensure that apparatus is mounted securely.
- Ensure that seals or sealing materials have not degraded such that they no longer serve the purpose of preventing the ingress of flammable atmospheres.
- Replacement parts shall be in accordance with the manufacturer's specifications.

Note

The use of silicon sealant may inhibit the effectiveness of some types of leak detection equipment.

Intrinsically safe components do not have to be isolated prior to working on them.

4. Repair to intrinsically safe components

- Do not apply any permanent inductive or capacitance loads to the circuit without ensuring that this will not exceed the permissible voltage and current permitted for the equipment in use.
- Intrinsically safe components are the only types that can be worked on while live in the presence of a flammable atmosphere.
- · The test apparatus shall be at the correct rating.
- Replace components only with parts specified by the manufacturer. Unspecified parts by manufacturer may result ignition of refrigerant in the atmosphere from a leak.

5. Cabling

- Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects.
- The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.

6. Detection of flammable refrigerants

- Under no circumstances shall potential sources of ignition be used in the searching or detection of refrigerant leaks.
- A halide torch (or any other detector using a naked flame) shall not be used.

7. Leak detection methods

- Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need recalibration. (Detection equipment shall be calibrated in a refrigerant-free area.)
- Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used.
- Leak detection equipment shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25 % maximum) is confirmed.
- Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.
- If a leak is suspected, all naked flames shall be removed/extinguished.
- If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be
 recovered from the system, or isolated (by means of shut off valves) in a part of the system
 remote from the leak. Oxygen free nitrogen (OFN) shall then be purged through the system
 both before and during the brazing process.

8. Removal and evacuation

When breaking into the refrigerant circuit to make repairs – or for any other purpose –
conventional procedures shall be used. However, it is important that best practice is
followed since flammability is a consideration.

The following procedure shall be adhered to:

- remove refrigerant → purge the circuit with inert gas → evacuate → purge again with inert gas → open the circuit by cutting or brazing
- The refrigerant charge shall be recovered into the correct recovery cylinders.
- The system shall be "flushed" with OFN to render the unit safe.
- · This process may need to be repeated several times.
- · Compressed air or oxygen shall not be used for this task.
- Flushing shall be achieved by breaking the vacuum in the system with OFN and continuing
 to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling
 down to a vacuum.
- This process shall be repeated until no refrigerant is within the system.
- When the final OFN charge is used, the system shall be vented down to atmospheric pressure to enable work to take place.
- This operation is absolutely vital if brazing operations on the pipe work are to take place.
- Ensure that the outlet for the vacuum pump is not close to any ignition sources and there is ventilation available.

9. Charging procedures

- In addition to conventional charging procedures, the following requirements shall be followed.
 - Ensure that contamination of different refrigerants does not occur when using charging equipment.
 - Hoses or lines shall be as short as possible to minimize the amount of refrigerant contained in them.
 - Cylinders shall be kept upright.
 - Ensure that the refrigeration system is earthed prior to charging the system with refrigerant.
 - Label the system when charging is complete (if not already).
 - Extreme care shall be taken not to over fill the refrigeration system.
- Prior to recharging the system it shall be pressure tested with OFN (refer to #7).
- The system shall be leak tested on completion of charging but prior to commissioning.
- A follow up leak test shall be carried out prior to leaving the site.
- Electrostatic charge may accumulate and create a hazardous condition when charging and discharging the refrigerant. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before charging/discharging.

10.Decommissioning

- Before carrying out this procedure, it is essential that the technician is completely familiar with the equipment and all its details.
- It is recommended good practice that all refrigerants are recovered safely.
- Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use ofreclaimed refrigerant.

- It is essential that electrical power is available before the task is commenced.
 - a. Become familiar with the equipment and its operation.
 - b. Isolate system electrically.
 - c. Before attempting the procedure ensure that:
 - mechanical handling equipment is available, if required, for handling refrigerant cylinders
 - all personal protective equipment is available and being used correctly
 - the recovery process is supervised at all times by a competent person
 - recovery equipment and cylinders conform to the appropriate standards
 - d. Pump down refrigerant system, if possible.
 - e. If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.
 - f. Make sure that cylinder is situated on the scales before recovery takes place.
 - g. Start the recovery machine and operate in accordance with manufacturer's instructions.
 - h. Do not over fill cylinders. (No more than 80 % volume liquid charge).
 - i. Do not exceed the maximum working pressure of the cylinder, even temporarily.
 - j. When the cylinders have been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.
 - k. Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.
- Electrostatic charge may accumulate and create a hazardous condition when charging or discharging the refrigerant. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before charging/discharging.

11.Labelling

- Equipment shall be labelled stating that it has been de-commissioned and emptied of refrigerant.
- · The label shall be dated and signed.
- Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

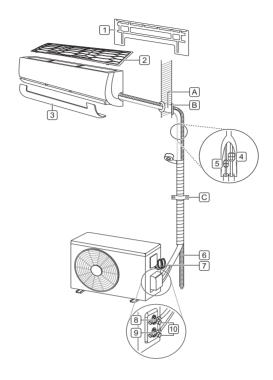
12.Recovery

- When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.
- When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed.
- Ensure that the correct number of cylinders for holding the total system charge are available.
- All cylinders to be used are designated for the recovered refrigerant and labelled for that refrigerant (i.e. special cylinders for the recovery of refrigerant).
- Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order.
- · Recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

- The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of flammable refrigerants.
- In addition, a set of calibrated weighing scales shall be available and in good working order.
- Hoses shall be complete with leak-free disconnect couplings and in good condition.
- Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release. Consult manufacturer if in doubt.
- The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged.
- · Do not mix refrigerants in recovery units and especially not in cylinders.
- If compressors or compressor oils are to be removed, ensure that they have been
 evacuated to an acceptable level to make certain that flammable refrigerant does not
 remain within the lubricant.
- The evacuation process shall be carried out prior to returning the compressor to the suppliers.
- Only electric heating to the compressor body shall be employed to accelerate this process.
- When oil is drained from a system, it shall be carried out safely.



14.2 Product Overview



Parts

1	Installation Plate	6	Drain Hose
2	Air Filter	7	Power Supply Cable
3	Decor	8	Gas Service Valve
4	Gas Pipe (Larger Pipe)	9	Liquid Service Valve
5	Liquid Pipe (Smaller Pipe)	10	(Gas/Liquid) Service Valve Cap

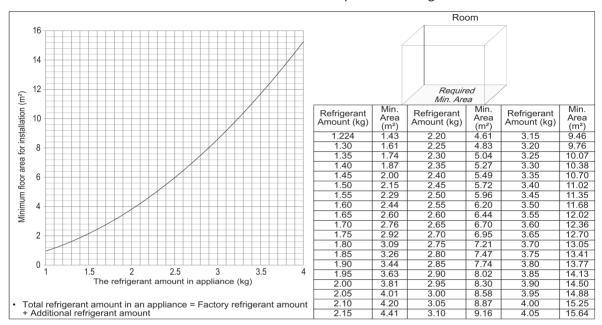
Local Purchases

It is highly recommended that you install the following parts.

Α	Sleeve
В	Sealant
С	Clamp

- This feature could be different depending on models.
- If needed, additional pipes, drain hoses, and power cables must be purchased separately.

The minimum installation floor area for wall mounted products using R32



WARNING

The outdoor unit should be installed in a well-ventilated area or outside.

Determine the case applicable based on the relationship of the refrigerant charge (M) and m_1 , m_2 , m_3 , defined as follows:

Case	Refrigerant Charge Amount	Requirements
1	$M \le m_1$	No limit for floor area to install an appliance
2	$m_1 < M \le m_2$	Need a minimum floor area to install an appliance in accordance with a formula
3	$m_2 < M \le m_3$	Need a minimum floor area to install an appliance in accordance with a formula Need an additional equipment (Ventilation, shut-off valve, alarm etc.)

 $m_1 = (4 \text{ m}^3) \times LFL = 4 \text{ m}^3 \times 0.306 \text{ kg/m}^3 = 1.244 \text{ kg}$

 $m_2 = (26 \text{ m}^3) \times LFL = 26 \text{ m}^3 \times 0.306 \text{ kg/m}^3 = 7.956 \text{ kg}$

 $m_3 = (130 \text{ m}^3) \times LFL = 130 \text{ m}^3 \times 0.306 \text{ kg/m}^3 = 39.78 \text{ kg}$

The maximum charge $(m_{max} kg)$ in a room

$$m_{\text{max}} = 2.5 \times LFL^{5/4} \times h_{0} \times A^{1/2} = 2.5 \times 0.306^{5/4} \times 1.8 \times A^{1/2}$$

The required minimum floor area (A_{min} m²) to install an appliance with refrigerant charge (M kg)

$$A_{min} = (M / (2.5 \times LFL^{5/4} \times h_0))^2 = (M / (2.5 \times 0.306^{5/4} \times 1.8))^2$$

Symbol

M: The refrigerant charge amount in appliance (kg), The sum of a pre-charge and an additional charge regard of a pipe length

m_{max}: The allowable maximum charge in a room (kg), The sum of a pre-charge and an additional charge regard of a pipe length

A: The room area (m2)

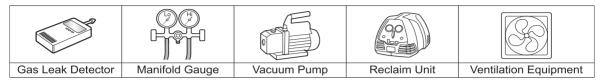
Amin: The required minimum room area (m²)

 $\mathbf{h_0}$: The installation height of the appliance (m), $\mathbf{h_0}$ is **1.8 m** for wall mounted

LFL: The lower flammable limit (kg/m³), LFL of R32 is 0.306 kg/m³



Installation Tools for the products using R32



- · Leakage detector which is confirmed rated for use with R32, should be used when you are checking for leaks.
- Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.
- Ventilation Equipment: For AC system using R32 (A2L gases) a ventilation equipment with "Ex" mark only should be used when a system design exceeds the Lower flammable limit if the gas was to escape from a system.

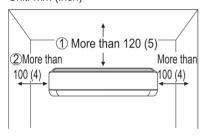


14.3 Installation Place

Indoor Unit

- · Install the indoor unit on a strong and hard wall.
- Install the indoor unit in a spot with good drainage and good accessibility to the pipe connected to the outdoor unit.
- Maintain a clearance of at least ① from the right and left sides of the indoor unit.
- Maintain a clearance of at least ② between the top of the indoor unit and the ceiling.
- Maintain a clearance of at least 2 m (6.5 ft.) from the floor for adequate clearance.
- Do not install the indoor unit near heaters or heating apparatuses.
- Do not install the indoor unit near an obstacle that hinders airflow.
- Do not install the indoor unit near an exit.
- Do not install the indoor unit where it can be exposed to direct sunlight.

Unit: mm (inch)

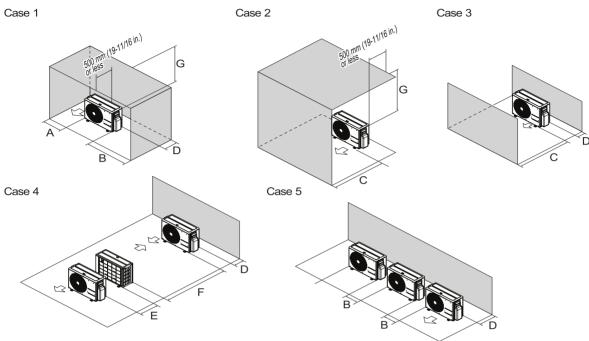


Outdoor Unit

- Install the outdoor unit in a location where the floor is firm and even.
- When placing the outdoor unit under an overhang, awning, sunroof or other "roof-like structure", ensures that heat radiation from the condenser is not restricted around the unit.
- Do not place the unit where animals and/or plants will be in the path of the warm air, or where the warm air and/or noise will disturb neighbors.
- Sunroof is recommended for installations that are exposed to direct sunlight and for installations in cold climates with heavy snow which can accumulate on top of outdoor unit.
- Take the weight of the air conditioner into account and select a place where noise and vibration are minimum.
- · Install the outdoor unit somewhere the technician can easily access it for repairs or maintenance.
- Do not install the outdoor unit in a location exposed to saline conditions, such as coastal areas, or sulfuric steam, such as near a hot spring.
- Do not install the outdoor unit in a location exposed to high winds.
- · Observe the below clearance requirements.

- · Normal clearances are recommended for service and cleaning access.
- If you do not meet the minimum clearances for installation, the unit does not guarantee the reliability of the unit.
- If the outdoor unit is installed between normal and minimum clearances, capacity can be decreased about 10%.

Outdoor unit service access and allowable clearances



Unit : mm		В	С	D	E	F	G
Normal	300	600	-	300	-	-	-
Minimum	100	250	-	100	-	-	1000
Normal	-	-	500	-	-	-	-
Minimum	-	-	350	-	-	-	1000
Normal	-	-	500	300	-	-	-
Minimum	-	-	350	100	-	-	-
Normal	-	-	-	300	600	-	-
Minimum	-	-	-	100	200	2000	-
Normal	-	600	-	300	-	-	-
Minimum	-	250	-	100	-	-	-
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Unit : inch		А	В	С	D	E	F	G
Case1	Normal	11-13/16	23-19/32	-	11-13/16	-	-	-
Case	Minimum	3-15/16	9-27/32	-	3-15/16	-	-	39-3/8
Case2	Normal	-	-	19-11/16	-	-	-	-
Casez	Minimum	-	-	13-25/32	-	-	-	39-3/8
Case3	Normal	-	-	19-11/16	11-13/16	-	-	-
Cases	Minimum	-	-	13-25/32	3-15/16	-	-	-
Case4	Normal	-	-	-	11-13/16	23-19/32	-	-
Case4	Minimum	-	-	-	3-15/16	7-7/8	78-3/4	-
Case5	Normal	-	23-19/32	-	11-13/16	-	-	-
Cases	Minimum	-	9-27/32	-	3-15/16	-	-	-

Precautions about installation in regions with extreme snowfall and cold temperatures

To ensure the outdoor unit operates properly, certain measures are required in locations where there is a possibility of heavy snowfall or severe wind chill or cold:

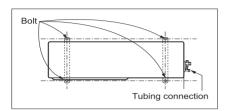
- Prepare for severe winter wind chills and heavy snowfall, even in areas of the country where these are unusual phenomena.
- Position the outdoor unit so that its airflow fans are not buried by direct, heavy snowfall. If snow piles up and blocks the airflow, the system may malfunction.
- · Remove any snow that has accumulated 100 mm (4 in.) or more on the top of the outdoor unit.
- Place the outdoor unit on a raised platform at least 500 mm (20 inches) higher than the average annual snowfall for the area. If the frame width is wider than the outdoor unit, snow may accumulate.
- Install a snow protection hood.
- To prevent snow and heavy rain from entering the outdoor unit, install the suction and discharge ducts facing away from direct winds.
- Additionally, the following conditions should be taken into consideration when the unit operates in defrost mode: If the outdoor unit is installed in a highly humid environment (near an ocean, lake, etc.), ensure that the site is well ventilated and has a lot of natural light. (Example: Install on a rooftop.)

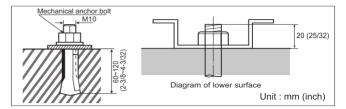


14.4 Installing the Outdoor Unit

Fixing the Outdoor Unit with Bolt Construction Work

Fix the outdoor unit firmly to prevent it from falling and dropping.



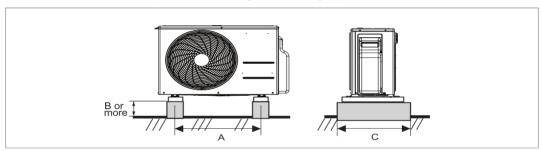


Note

- If you install the outdoor unit on a wall, roof, or rooftop, make sure it's mounted on a suitable frame.
- If the outdoor unit vibrates excessively, secure it using anti-vibration rubber between the unit's feet and the mounting frame.

Foundation

For good drain of outdoor unit, keep the bottom height from icing upward.



Unit : mm			Foundation	Leg		
Model	Tool	Α	В	С	Material	Thickness
PC09SC.UA3T	U12A	463	100	280	SGLCC	1.2
S09EC.UA3S	U12A	463	100	280	SGLCC	1.2
PC12SC.UA3T	U12A	463	100	280	SGLCC	1.2
S12EC.UA3S	U12A	463	100	280	SGLCC	1.2
PC18SC.UL2T	U18A	558	100	370	SGLCC	1.2
S18EC.UL2S	U18A	558	100	370	SGLCC	1.2
PC24SC.U24T	U24A	586	100	400	SGCC	1.2
S24EC.U24S	U24A	586	100	400	SGCC	1.2

Unit : inch			Foundation	Leg		
Model	Tool	Α	В	С	Material	Thickness
PC09SC.UA3T	U12A	18-7/32	3-15/16	11-1/32	SGLCC	1/16
S09EC.UA3S	U12A	18-7/32	3-15/16	11-1/32	SGLCC	1/16
PC12SC.UA3T	U12A	18-7/32	3-15/16	11-1/32	SGLCC	1/16
S12EC.UA3S	U12A	18-7/32	3-15/16	11-1/32	SGLCC	1/16
PC18SC.UL2T	U18A	21-31/32	3-15/16	14-9/16	SGLCC	1/16
S18EC.UL2S	U18A	21-31/32	3-15/16	14-9/16	SGLCC	1/16
PC24SC.U24T	U24A	23-1/16	3-15/16	15-3/4	SGCC	1/16
S24EC.U24S	U24A	23-1/16	3-15/16	15-3/4	SGCC	1/16

Connecting the Drain Plug

If you need to install a drain hose onto an outdoor unit, connect the drain hose after inserting the drain plug with drain washer through the drain hole on the bottom of the outdoor unit.

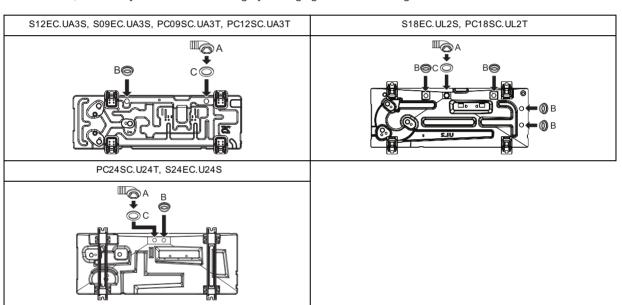






C: Drain Washer

- If the hole is not in use, block it with the drain cap.
- The quantity and position of the drain cap could be different depending on models.
- In cold areas, do not use the drain hose on the outdoor unit because the water drained out from the drain hose can freeze, which may cause malfunctioning by damaging the heat exchanger.

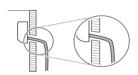




14.5 Checking the Drainage

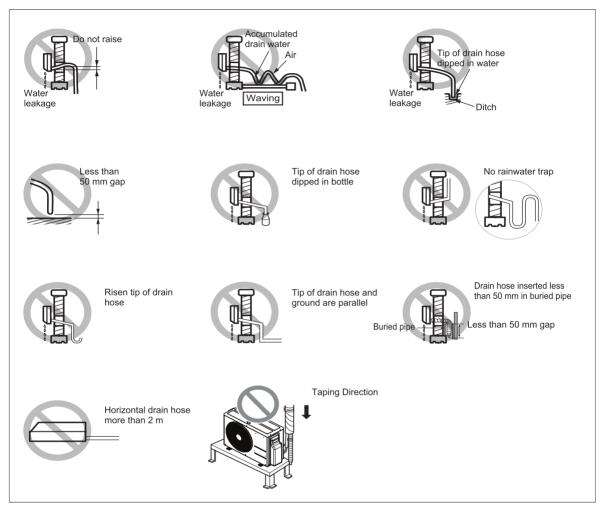
1. Remove the filter.Pull the filter up and out towards you.Do not touch the metal part of the appliance when removing the filter.	
2. Pour a cup of water into the back of the evaporator.	
3. Check the drainage condition.	
 Check whether there is any leakage from either the drain hose joint or the extended hose joint. Check the water is flowing out through the drain hose. If there is no leakage, but no water is flowing, pour a proper amount of water again. 	
4. Insert the filter again.	

Example of Correct Drain Hose Installation





Example of Incorrect Drain Hose Installation



- If the drain hose is not installed properly, water can leak indoors.
 - If the drain hose is installed at a higher position than the indoor unit
 - If the drain hose is entangled or kinked
 - If the end of the drain hose is dipped in water
 - If the gap between the end of the drain hose and the bottom is lower than 50 mm



14.6 Check List and Installer Code

Check test item after installation

No.	Test Items	Check
1	Indoor unit is hooked to the installation plate properly.	
2	The gas and liquid service valves are fully opened.	
3	There is no refrigerant gas leakage.	
4	System is properly grounded. (No electrical leakage)	
5	The connection cable is clamped firmly.	
6	Indoor unit receives remote control commands and operates properly.	
7	Cooling/Heating operation is normal.	
8	There is no abnormal sound.	
9	There is no water leakage.	

How to set the installer code

1	Supply the power to the appliance which is turned off.	-
2	(Method I) Insert a battery with pressing (A) button. (Method II) Press "Reset" with pressing (A) button.	A Secretary Control of the Control o
3	Release (A) button. Then, a display of remote controller change to "00".	00
4	You can set a code by pressing the "TEMP" button.	— 10 digits TEMP 1 digit
5	Press " ON/OFF " button to set a code to the appliance. Check buzzer beep.	CONOFF O O O O O O O O O O O O O O O O O O
6	(Method) Take out a battery and insert it again. (Method) Press "Reset" to return to a user mode.	-
7	Cut the power to the appliance. Turn back on the power to the appliance after 30 seconds.	-

lı 4

14. Installation

14.7 Outdoor Unit Cabin

Outdoor cabin louver requirement

- 1. Outdoor cabin type: Manual door open type
- 2.Louver angle: Less than 15° on the horizontal base
- 3.Louver interval: Over 100 mm (3-15/16 inch) (Recommend)
- 4.Louver shape: Wing type or plane type

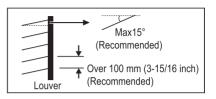
CAUTION

- Opening rate and suction should be considered for louvered outdoor room.
- · Do not use 'S' type louver.

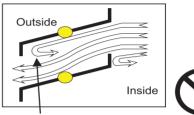
Note

The problem in case the louver opening rate is small.

- Noise can occur due to the increased velocity of the air passing through louver blade.
- · Noise can occur due to the louver blade vibrations.
- Drop in outdoor fan performance (Excess static pressure damage can cause drop in the performance as well as outdoor heat exchange efficiency).
- In case the louver opening rate is small or there is insufficient air flow exchange, it might stop the air conditioner.

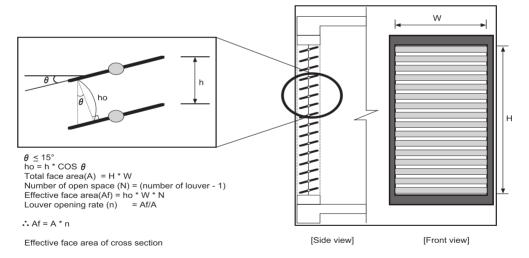


Section



Noise can occur due to the backward flow of the air passing through the louver blade

Opening rate by louver radian





14.8 Outdoor Unit Max External Static Pressure

Model	Tool	Air Flo	w Rate	Static Pressure	
Model		CMM	CFM	N/m²	inWG
PC09SC.UA3T	U12A	27	954	7.0760	0.0284
S09EC.UA3S	U12A	27	954	7.0760	0.0284
PC12SC.UA3T	U12A	27	954	7.0760	0.0284
S12EC.UA3S	U12A	27	954	7.0760	0.0284
PC18SC.UL2T	U18A	35	1236	9.2296	0.0371
S18EC.UL2S	U18A	35	1236	9.2296	0.0371
PC24SC.U24T	U24A	49	1730	9.6388	0.0387
S24EC.U24S	U24A	49	1730	9.6388	0.0387



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The air conditioners manufactured by LG have received ISO9001 certificate for quality assurance and ISO14001 certificate for environmental management system. The specifications, designs, and information in this brochure are subject to change without notice.