





1. Models Line up

1.1 Indoor Unit

kW (kBtu/h) Indoor Type	2.63(9)	3.51(12)	5.28(18)	7.03(24)	8.79(30)	10.55(36)
Wall Mounted Type 	AS-W096E1G0 [S09AW NE0]	AS-W126E1G0 [S12AW NE0]	AS-W1865DH2 [S18AW N52]	AS-W2465DH2 [S24AW N52]		
Wall Mounted Type 	AS-W0964GG1 [S09AM N41G]	AS-W1264GG1 [S12AM N41G]	AS-W1865GG1 [S18AM N51G]		AS-W306DGM0 [S30AW ND0]	AS-W366DGM0 [S36AW ND0]

* denotes the color or the picture used on the front grille of the unit (refer to the Nomenclature section)



1. Models Line up

1.2 Outdoor Unit

Heat pump	AS-W096E1G0[S09AW1 NE0]	AS-W126E1G0[S12AW1 NE0]
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No. of connectable indoor units		Max.1	
Total capacity index of connectable indoor units	kW	2.64	3.52
	kBtu/h	9	12
Power supply		1ø, 220-240V, 50Hz	

Chassis			
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Heat pump	AS-W1865DH2[S18AW N52]	AS-W366DGM0[S36AW ND0]
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No. of connectable indoor units		Max.1	
Total capacity index of connectable indoor units	kW	5.28	10.55
	kBtu/h	18	36
Power supply		1ø, 220-240V, 50Hz	

Chassis			
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Heat pump	AS-W2465DH2[S24AW N52]	AS-W306DGM0[S30AW ND0]
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No. of connectable indoor units		Max.1	
Total capacity index of connectable indoor units	kW	7.03	8.79
	kBtu/h	24	30
Power supply		1ø, 220-240V, 50Hz	

Chassis			
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2. Nomenclature

A S W 0 9 6 4 G G 1

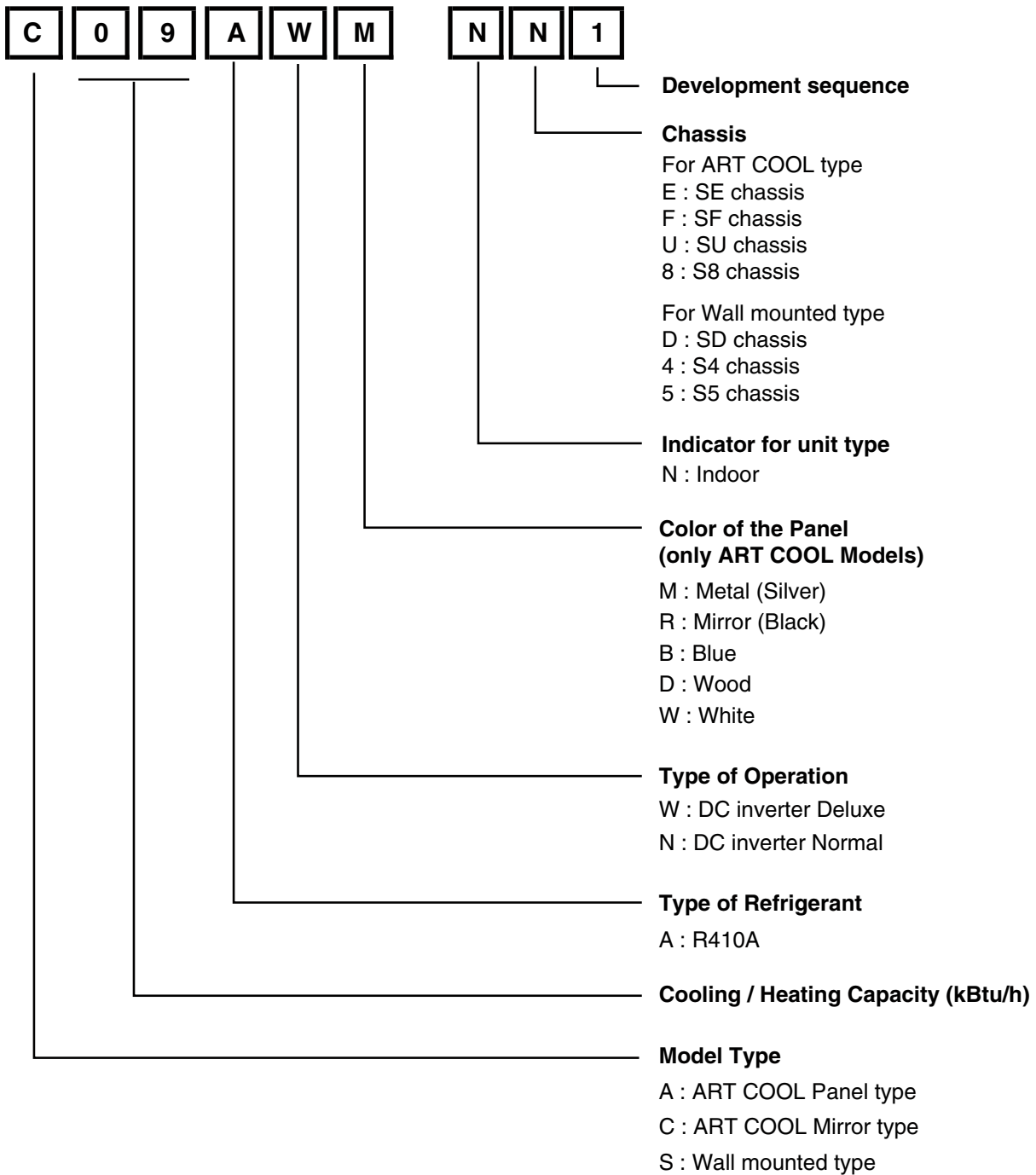
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Code	Type	Code of Model	Meaning																																														
1	Production Center, Refrigerant	A~Z	L: Chang-won R22 A: Chang-won R410A																																														
2	Product Type	A~Z	S: Split Type Air Conditioner																																														
3	Cooling/Heating/Inverter	A~Z	C: Cooling only H: Heat pump X: C/O + E/Heater Z: H/P + E/Heater V: AC Inverter C/O N: AC Inverter H/P Q: DC Inverter C/O W: DC Inverter H/P																																														
4, 5	Capacity	0~9	Cooling/Heating Capacity Ex. "09" → 9,000 Btu/h																																														
6	Electric Range	1~9 A~Z	1: 115V/60Hz, 2: 220V/60Hz 3: 208-230V/60Hz 5: 200-220V/50Hz 6: 220-240V/50Hz 7: 110V, 50/60Hz																																														
7	Chassis	A~Z	Name of Chassis																																														
8	Look	A~Z	ART COOL models B : Blue C : Cherry K : Mecca 1 : The Kiss(SF chassis) W : White D : Wood R : Mirror 2 : The Sunset(SF chassis) M : Metal Q : Quran 3 : London Bridge(SG chassis)																																														
			General Wall Mounted models D – Look (Panel Type) G – Look (Grille Type) Glory Look :- (a) F – Look (Blue color) (b) H – Look (Gold) (c) J – Look (Silver)																																														
9, 10	Function	A~Z	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>A</td><td>Basic</td></tr> <tr><td>B</td><td>Basic+4Way</td></tr> <tr><td>C</td><td>Plasma Filter</td></tr> <tr><td>D</td><td>Plasma Filter+4 Way</td></tr> <tr><td>E</td><td>Tele+LCD</td></tr> <tr><td>F</td><td>Tele+LCD+Nano plasma+4Way</td></tr> <tr><td>G</td><td>NBF F+(A/changeove)+A/clean+Low A</td></tr> <tr><td>H</td><td>NBF F+(A/changeove)+A/clean+4way+Low A</td></tr> <tr><td>I</td><td>Tele+LED+4way</td></tr> <tr><td>J</td><td>Internet</td></tr> <tr><td>K</td><td>Plasma F+4Way+Oxygen generator</td></tr> <tr><td>L</td><td>NBF F+(A/changeove)+A/clean</td></tr> <tr><td>M</td><td>NBF F+(A/changeove)+A/clean+4way</td></tr> <tr><td>N</td><td>NBF F+(A/changeove)+A/clean+PTC</td></tr> <tr><td>P</td><td>NBF F+(A/changeove)+Autoclean+4way+PTC</td></tr> <tr><td>Q</td><td>NBF F+(A/changeove)+A/clean+4way+Low A+PTC</td></tr> <tr><td>R</td><td>Negative ion+A/Clean</td></tr> <tr><td>S</td><td>(Nano)Plasma+Negative ion+A/Clean</td></tr> <tr><td>T</td><td>4way+(Nano)Plasma F+Negative ion+A/Clean</td></tr> <tr><td>U</td><td>Nano Plasma F+4Way+(A/changeove)+A/clean+Oxygen generator</td></tr> <tr><td>V</td><td>4way+(Nano)Plasma F+Negative ion+A/Clean+Oxygen generator</td></tr> <tr><td>W</td><td>Dry contact</td></tr> <tr><td>Y</td><td>Basic + Low A</td></tr> </table>	A	Basic	B	Basic+4Way	C	Plasma Filter	D	Plasma Filter+4 Way	E	Tele+LCD	F	Tele+LCD+Nano plasma+4Way	G	NBF F+(A/changeove)+A/clean+Low A	H	NBF F+(A/changeove)+A/clean+4way+Low A	I	Tele+LED+4way	J	Internet	K	Plasma F+4Way+Oxygen generator	L	NBF F+(A/changeove)+A/clean	M	NBF F+(A/changeove)+A/clean+4way	N	NBF F+(A/changeove)+A/clean+PTC	P	NBF F+(A/changeove)+Autoclean+4way+PTC	Q	NBF F+(A/changeove)+A/clean+4way+Low A+PTC	R	Negative ion+A/Clean	S	(Nano)Plasma+Negative ion+A/Clean	T	4way+(Nano)Plasma F+Negative ion+A/Clean	U	Nano Plasma F+4Way+(A/changeove)+A/clean+Oxygen generator	V	4way+(Nano)Plasma F+Negative ion+A/Clean+Oxygen generator	W	Dry contact	Y	Basic + Low A
A	Basic																																																
B	Basic+4Way																																																
C	Plasma Filter																																																
D	Plasma Filter+4 Way																																																
E	Tele+LCD																																																
F	Tele+LCD+Nano plasma+4Way																																																
G	NBF F+(A/changeove)+A/clean+Low A																																																
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L	NBF F+(A/changeove)+A/clean																																																
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Q	NBF F+(A/changeove)+A/clean+4way+Low A+PTC																																																
R	Negative ion+A/Clean																																																
S	(Nano)Plasma+Negative ion+A/Clean																																																
T	4way+(Nano)Plasma F+Negative ion+A/Clean																																																
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V	4way+(Nano)Plasma F+Negative ion+A/Clean+Oxygen generator																																																
W	Dry contact																																																
Y	Basic + Low A																																																
11	Serial No.	1~9	LG Model Development Serial No.																																														



2. Nomenclature

• Europe Model Number





4. Specifications

Inverter single

Inverter Single, General Wall Mounted

Models		Unit	AS-W096E1G0[S09AW NEO]	AS-W0964GG1[S09AM N41G]	
Cooling Capacity		kW	0.89~2.64~3.69	0.90 ~ 2.64 ~ 3.46	
		Btu/h.	3,070~9,000~12,620	3,070 ~ 9,000 ~ 11,800	
Heating Capacity		kW	0.89~3.60~5.00	0.90 ~ 3.17 ~ 3.87	
		Btu/h.	3,070~12,300~17,060	3,070 ~ 10,800 ~ 13,200	
Power Input	Cooling/Heating	W	650 / 870	820 / 930	
Running Current	Cooling/Heating	A	3/4	3.8 / 4.3	
Starting Current	Cooling/Heating	A	3/4	3.8 / 4.3	
EER		W/W	4.1	3.2	
		Btu/h.W	13.9	11.0	
COP		W/W	4.1	3.4	
Power Supply		Ø / V / Hz	1,220-240,50	1 / 220 ~ 240 / 50	
Power Factor		%	94.2	93.8	
Air Flow Rate	Indoor,Max	m ³ /min(CFM)	8.5(300)	9.5(335)	
	Outdoor,Max	m ³ /min(CFM)	29(1,024)	26(918)	
Moisture Removal		l/h.	0.6	1.3	
Sound Level	Indoor,H/M/L	dB(A)±3	31 / 27 / 22 / 20	32 / 28 / 25	
	Outdoor,Max	dB(A)±3	45	45	
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 1,000(35.3)	R410A, 630(22.2)	
Additional Refrigerant charge		g/m(oz/ft)	20(0.22)	20(0.22)	
Compressor	Type		Rotary	Rotary	
	Model		5RS102XAA21	5RS102XAA21	
	Motor Type		Brushless DC Motor	Brushless DC motor	
	Oil Type		FV50S	FV50S	
	Oil Charge	cc		320	
	O.L.P. name		CS-7L 115	CS-7L 115	
Fan(Indoor)	Type		Cross Flow Fan	Cross Flow Fan	
	Motor Output	W	20	20	
Fan(Outdoor)	Type		Propeller	Propeller	
	Motor Type		BLDC	AC Induction	
	Motor Output	W	43	29	
Circuit Breaker*		A	15	15	
Power Supply Cable		No.*mm ²	3*1.0	3*1.0	
Power and Transmission Cable No.*mm ²		No.*mm ²	4*1.5(Including Earth)	4*1.0 (Including Earth)	
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)	
	Gas Side	mm(in)	9.52(3/8)	9.52(3/8)	
Drain Hose(O.D/ I.D.)		mm(in)	21.5 / 16(0.85 / 0.63)	21.5 / 16.0(0.85 / 0.63)	
Dimensions	Indoor (W*H*D)	mm	915*282*165	840*270*153	
		inch	36.0*11.1*6.5	33.1*10.6*6.0	
	Outdoor (W*H*D)	mm	770*545*245	770*545*245	
		inch	30.3*21.5*9.6	30.3*21.3*9.7	
Net Weight	Indoor	kg(lbs)	8(17.6)	7.5(16.5)	
	Outdoor	kg(lbs)	32(70.6)	32(70.6)	
Operation Range	Cooling(Outdoor)	°C(°F)	-5~43(23~109.4)	-5~43(23~109.4)	
	Heating(Outdoor)	°C(°F)	-10~24(14.0~75.2)	-10~24(14.0~75.2)	
Max. Piping Length		m(ft)	15(49)	15(49)	
Max. Elevation Difference		m(ft)	7(23)	7(23)	
Tool Code(Chassis)	Indoor + Outdoor		SE + UL	S4 + UL	
Functions	Temperature Control		Thermistor	Thermistor	
	Plasma Filter		Neo	Neo	
	Prefilter(washable/anti-fungus)		O	O	
	Auto Clean		O	O	
	CHAOS Wind(Auto Wind)		O	O	
	Steps, Fan/Cool/Heat		3/4	3 / 4 / 4	
	Airflow Direction Control(up & Down)		Auto	Auto	
	Airflow Direction Control(left & right)		Auto	Manual	
	Remote Controller Type		Wireless LCD	Wireless LCD	
	Setting Temperature Range	Cooling		18°C ~ 30°C	18°C ~ 30°C
		Heating		16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-	
	Auto Changeover (Micom Control)		O	O	
	Self Diagnosis		O	O	
	Timer		24h, On/Off	24h, On/Off	
	Sleep Operation		O	O	
	Soft Dry Operation		O	O	
	Restart Delay(minute)		2	2	
	Deice Control(Defrost)		O	O	
	Hot Start		O	O	
	Jet Cool		O	O	
	Low Ambient Operation		O(Logic)	O	
	Special Function		-	-	

Note : O : Applie, X : Not applied, - : No relation

• Filters are optional in some specific areas.

• For Circuit Breaker Rating, please conform to local standards whenever necessary.



4. Specifications

Inverter single

Models		Unit	AS-W126E1G0 [S12AW NE0]	AS-W1264GG1[S12AM N41G]	
Cooling Capacity		kW	0.89~3.52~4.04	0.90 ~ 3.52 ~4.04	
		Btu/h.	3,070~12,000~13,800	3,070 ~ 12,000 ~ 13,800	
Heating Capacity		kW	0.89~4.57~5.48	0.90 ~ 4.00 ~ 4.86	
		Btu/h.	3,070~15,600~18,720	3,070 ~ 13,650 ~ 16,600	
Power Input	Cooling/Heating	W	1,090 / 1,260	1,090 / 1,170	
Running Current	Cooling/Heating	A	4.8 / 5.7	5.0 / 5.3	
Starting Current	Cooling/Heating	A	4.8 / 5.7	5.0 / 5.3	
EER		W/W	3.2	3.2	
		Btu/h.W	11.0	11.0	
COP		W/W	3.63	3.4	
Power Supply		Ø / V / Hz	1 / 220 ~ 240 / 50	1 / 220 ~ 240 / 50	
Power Factor		%	98.7	94.8	
Air Flow Rate	Indoor,Max	m³/min(CFM)	9.5(335)	10.8(381)	
	Outdoor,Max	m³/min(CFM)	29(1,024)	26(918)	
Moisture Removal		l/h.	1.3	1.5	
Sound Level	Indoor,H/M/L	dB(A)±3	37 / 27 / 22 / 20	38 / 30 / 25	
	Outdoor,Max	dB(A)±3	45	45	
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 1,000(35.3)	R410A, 940(33.2)	
Additional Refrigerant charge		g/m(oz/ft)	20(0.22)	20(0.22)	
Compressor	Type		Rotary	Rotary	
	Model		5RS102XAA21	5RS102XAA21	
	Motor Type		Brushless DC Motor	Brushless DC motor	
	Oil Type		FV50S	FV50S	
	Oil Charge	cc		320	
	O.L.P. name			CS-7L 115	
Fan(Indoor)	Type		Cross Flow Fan	Cross Flow Fan	
	Motor Output	W	20	20	
Fan(Outdoor)	Type		Propeller	Propeller	
	Motor Type		BLDC	AC Induction	
	Motor Output	W	43	29	
Circuit Breaker*		A	15	15	
Power Supply Cable		No.*mm²	3*1.0	3*1.0	
Power and Transmission Cable No.*mm²		No.*mm²	4*1.5(Including Earth)	4*1.0 (Including Earth)	
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)	
	Gas Side	mm(in)	9.52(3/8)	9.52(3/8)	
Drain Hose(O.D/ I.D.)		mm(in)	21.5 / 16(0.85 / 0.63)	21.5 / 16.0(0.85 / 0.63)	
Dimensions	Indoor (W*H*D)	mm	915*282*165	840*270*153	
		inch	36.0*11.1*6.5	33.1*10.6*6.0	
	Outdoor (W*H*D)	mm	770*545*245	770*545*245	
		inch	30.3*21.5*9.6	30.3*21.3*9.7	
Net Weight	Indoor	kg(lbs)	8(17.64)	7.5(16.5)	
	Outdoor	kg(lbs)	32(70.6)	32(70.6)	
Operation Range	Cooling(Outdoor)	°C(°F)	-5~43(23~109.4)	-5~43(23~109.4)	
	Heating(Outdoor)	°C(°F)	-10~24(14.0~75.2)	-10~24(14.0~75.2)	
Max. Piping Length		m(ft)	15(49)	15(49)	
Max. Elevation Difference		m(ft)	7(23)	7(23)	
Tool Code(Chassis)	Indoor + Outdoor		SE + UL	S4 + UL	
Functions	Temperature Control		Thermistor	Thermistor	
	Plasma Filter		Nano	Neo	
	Prefilter(washable/anti-fungus)		O	O	
	Auto Clean		O	O	
	CHAOS Wind(Auto Wind)		O	O	
	Steps, Fan/Cool/Heat		3/4	3 / 4 / 4	
	Airflow Direction Control(up & Down)		Auto	Auto	
	Airflow Direction Control(left & right)		Auto	Manual	
	Remote Controller Type		Wireless LCD	Wireless LCD	
	Setting Temperature Range	Cooling		18°C ~ 30°C	18°C ~ 30°C
		Heating		16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-	
	Auto Changeover (Micom Control)		O	O	
	Self Diagnosis		O	O	
	Timer		24h, On/Off	24h, On/Off	
	Sleep Operation		O	O	
	Soft Dry Operation		O	O	
	Restart Delay(minute)		2	2	
	Deice Control(Defrost)		O	O	
	Hot Start		O	O	
	Jet Cool		O	O	
	Low Ambient Operation		O(Logic)	O	
	Special Function		-	-	

Note : O : Applie, X : Not applied, - : No relation

• Filters are optional in some specific areas.

• For Circuit Breaker Rating, please conform to local standards whenever necessary.



4. Specifications

Inverter single

Models		Unit	AS-W1865DH2 [S18AW N52]	AS-W1865GG1[S18AM N51G]	
Cooling Capacity		kW	1.76~5.28~5.80	1.78~5.28 ~ 5.80	
		Btu/h.	6,000~18,000~19,800	6,000 ~ 18,000 ~ 19,800	
Heating Capacity		kW	1.41~6.07~6.65	1.40 ~5.80 ~ 6.65	
		Btu/h.	4,800~20,700~22,700	4,800 ~ 19,790 ~ 22,700	
Power Input	Cooling/Heating	W	1,640 / 1,770	1,730 / 1,800	
Running Current	Cooling/Heating	A	7.3 / 8.3	8.0 / 8.3	
Starting Current	Cooling/Heating	A	7.3 / 8.3	8.0 / 8.3	
EER		W/W	3.2	3.1	
		Btu/h.W	11.0	10.4	
COP		W/W	3.4	3.2	
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220 ~ 240 / 50	
Power Factor		%	98.8	94.0	
Air Flow Rate	Indoor,Max	m ³ /min(CFM)	16(565)	13.0(459)	
	Outdoor,Max	m ³ /min(CFM)	42(1,483)	42(1,483)	
Moisture Removal		l/h.	2.1	2.1	
Sound Level	Indoor,H/M/L	dB(A)±3	42 / 39 / 36	43 / 40 / 37	
	Outdoor,Max	dB(A)±3	55	56	
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 1,200(40.8)	R410A 1,200(40.8)	
Additional Refrigerant charge		g/m(oz/ft)	20(0.22)	20(0.22)	
Compressor	Type		E-SCROLL	E-SCROLL	
	Model		5CS130XC03	5CS130XCA	
	Motor Type		Brushless DC Motor	Brushless DC motor	
	Oil Type		RB68A	RB68A	
	Oil Charge	cc	480	480	
	O.L.P. name		CS-7L N120	CS-7L N120	
Fan(Indoor)	Type		Cross Flow Fan	Cross Flow Fan	
	Motor Output	W	20	24	
Fan(Outdoor)	Type		Propeller	Propeller	
	Motor Type		AC Induction	AC Induction	
	Motor Output	W	65	85.3	
Circuit Breaker*		A	15	15	
Power Supply Cable		No.*mm ²	3*1.5	3*1.5	
Power and Transmission Cable No.*mm ²		No.*mm ²	4*1.5 (Including Earth)	4*1.5(Including Earth)	
Piping Connections	Liquid Side	mm(in)	6.35(1/4)	6.35(1/4)	
	Gas Side	mm(in)	12.7(1/2)	12.7(1/2)	
Drain Hose(O.D/ I.D.)		mm(in)	21.5 / 16.0(0.85 / 0.63)	21.5 / 16.0(0.85 / 0.63)	
Dimensions	Indoor (W*H*D)	mm	1,090*300*180	1,090*300*180	
		inch	42.9*11.8*7.1	42.9*11.8*7.1	
	Outdoor (W*H*D)	mm	870*655*320	870*655*320	
		inch	34.3*25.8*12.6	34.3*25.8*12.6	
Net Weight	Indoor	kg(lbs)	13(28.7)	13(28.7)	
	Outdoor	kg(lbs)	46(101.4)	46(101.4)	
Operation Range	Cooling(Outdoor)	°C(°F)	-5~43(23~109.4)	-5~43(23~109.4)	
	Heating(Outdoor)	°C(°F)	-10~24(14.0~75.2)	-10~24(14.0~75.2)	
Max. Piping Length		m(ft)	15(49)	15(49)	
Max. Elevation Difference		m(ft)	7(23)	7(23)	
Tool Code(Chassis)	Indoor + Outdoor		S5 + UE	S5 + UE	
Functions	Temperature Control		Thermistor	Thermistor	
	Plasma Filter		Nano	Neo	
	Prefilter(washable/anti-fungus)		O	O	
	Auto Clean		O	O	
	CHAOS Wind(Auto Wind)		O	O	
	Steps, Fan/Cool/Heat		3 / 4 / 4	3 / 4 / 4	
	Airflow Direction Control(up & Down)		Auto	Auto	
	Airflow Direction Control(left & right)		Auto	Manual	
	Remote Controller Type		Wireless LCD	Wireless LCD	
	Setting Temperature Range	Cooling		18°C ~ 30°C	18°C ~ 30°C
		Heating		16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-	
	Auto Changeover (Micom Control)		O	O	
	Self Diagnosis		O	O	
	Timer		24hr, On/Off	24h, On/Off	
	Sleep Operation		O	O	
	Soft Dry Operation		O	O	
	Restart Delay(minute)		2	2	
	Deice Control(Defrost)		O	O	
	Hot Start		O	O	
	Jet Cool		O	O	
	Low Ambient Operation		O(Logic)	O	
	Special Function		-	-	

Note : O : Applie, X : Not applied, - : No relation

• Filters are optional in some specific areas.

• For Circuit Breaker Rating, please conform to local standards whenever necessary.



4. Specifications

Inverter single

Models		Unit	AS-W2465DH2 [S24AW N52]	AS-W306DGM0 [S30AW ND0]	
Cooling Capacity		kW	3.86~7.03~7.47	3.6 ~ 8.0 ~ 8.8	
		Btu/h.	13,200~24,000~25,500	12,283 ~ 27,296 ~ 30,026	
Heating Capacity		kW	3.60~8.08~8.88	5.3 ~ 9.6 ~ 10.2	
		Btu/h.	12,300~27,570~30,300	18,084 ~ 32,775 ~ 34,802	
Power Input	Cooling/Heating	W	2,500 / 2,880	2,650 / 3,180	
Running Current	Cooling/Heating	A	11.0 / 13.0	12.0 / 14.5	
Starting Current	Cooling/Heating	A	11.0 / 13.0	12.0 / 14.5	
EER		W/W	2.8	3.0	
		Btu/h.W	9.6	10.3	
COP		W/W	2.8	3.0	
Power Supply		Ø / V / Hz	1 / 220-240 / 50	1 / 220 ~ 240 / 50	
Power Factor		%	98.8	97	
Air Flow Rate	Indoor,Max	m³/min(CFM)	18.0(636)	21(350)	
	Outdoor,Max	m³/min(CFM)	58(966)	58(966)	
Moisture Removal		l/h.	3.2	3.5	
Sound Level	Indoor,H/M/L	dB(A)±3	44 / 41 / 37	46 / 43 / 39	
	Outdoor,Max	dB(A)±3	56	54	
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 1,800(63.5)	R410A, 1,800(63.3)(at 10m)	
Additional Refrigerant charge		g(m/oz/ft)	30(0.32)	30(0.32)	
Compressor	Type		Rotary	Rotary	
	Model		5KD240XCA21	5KD240XAE21	
	Motor Type		Brushless DC Motor	Brushless DC motor	
	Oil Type		FV50S	FV50S	
	Oil Charge	cc	900	900	
	O.L.P. name		-	CS-7L 115	
Fan(Indoor)	Type		Cross Flow Fan	Cross Flow Fan	
	Motor Output	W	-	70	
Fan(Outdoor)	Type		Propeller	Propeller	
	Motor Type		AC Induction	Brushless DC motor	
	Motor Output	W	83	80	
Circuit Breaker*		A	30	25	
Power Supply Cable		No.*mm²	3*2.5	3*2.5	
Power and Transmission Cable No.*mm²		No.*mm²	4*2.5(Including Earth)	4*0.75 (Including Earth)	
Piping Connections	Liquid Side	mm(in)	9.52(3/8)	6.35(1/4)	
	Gas Side	mm(in)	15.88(5/8)	15.88(5/8)	
Drain Hose(O.D/ I.D.)		mm(in)	21.5 / 16.0 (0.85 / 0.63)	21.5 / 16.0(0.85 / 0.63)	
Dimensions	Indoor (W*H*D)	mm	1,090*300*178	1,209*346*205	
		inch	42.9*11.8*7.1	47.6*13.6*8.1	
	Outdoor (W*H*D)	mm	870*808*320	870*808*320	
		inch	34.25*31.5*12.6	34.3*31.8*12.6	
Net Weight	Indoor	kg(lbs)	13(28.7)	18(39.7)	
	Outdoor	kg(lbs)	60(132.3)	60(132.3)	
Operation Range	Cooling(Outdoor)	°C(°F)	-5~43(23~109.4)	-5~43(23~109.4)	
	Heating(Outdoor)	°C(°F)	-10~24(14.0~75.2)	-10~24(14.0~75.2)	
Max. Piping Length		m(ft)	30(98)	50(164)	
Max. Elevation Difference		m(ft)	15(49)	30(98.4)	
Tool Code(Chassis)	Indoor + Outdoor		S5 + UE1	SD + UE1	
Functions	Temperature Control		Thermistor	Thermistor	
	Plasma Filter		Nano	Neo	
	Prefilter(washable/anti-fungus)		O	O	
	Auto Clean		O	O	
	CHAOS Wind(Auto Wind)		O	O	
	Steps, Fan/Cool/Heat		3 / 4 / 3	3 / 4 / 3	
	Airflow Direction Control(up & Down)		Auto	Auto	
	Airflow Direction Control(left & right)		Auto	Auto	
	Remote Controller Type		Wireless LCD	Wireless LCD	
	Setting Temperature Range	Cooling		18°C ~ 30°C	18°C ~ 30°C
		Heating		16°C ~ 30°C	16°C ~ 30°C
	Auto Operation (Micom Control)		-	-	
	Auto Changeover (Micom Control)		O	O	
	Self Diagnosis		O	O	
	Timer		24hr, On/Off	24h, On/Off	
	Sleep Operation		O	O	
	Soft Dry Operation		O	O	
	Restart Delay(minute)		2	3	
	Deice Control(Defrost)		O	O	
	Hot Start		O	O	
	Jet Cool		O	O	
	Low Ambient Operation		O(Logic)	O	
	Special Function		-	-	

Note : O : Applie, X : Not applied, - : No relation

- Filters are optional in some specific areas.
- For Circuit Breaker Rating, please conform to local standards whenever necessary.



4. Specifications

Inverter single

Models		Unit	AS-W366DGM0 [S36AW ND0]
Cooling Capacity		kW	4.0 ~ 9.0 ~ 9.8
		Btu/h.	13,648 ~ 30,708 ~ 33,438
Heating Capacity		kW	5.6 ~ 10.4 ~ 11.0
		Btu/h.	19,107 ~ 35,485 ~ 37,532
Power Input	Cooling/Heating	W	2,980 / 3,450
Running Current	Cooling/Heating	A	13.6 / 16.5
Starting Current	Cooling/Heating	A	13.6 / 16.5
EER		W/W	3.2
		Btu/h.W	10.3
COP		W/W	3.0
Power Supply		Ø / V / Hz	1 / 220 ~ 240 / 50
Power Factor		%	97
Air Flow Rate	Indoor,Max	m ³ /min(CFM)	25(416)
	Outdoor,Max	m ³ /min(CFM)	68(1133)
Moisture Removal		l/h.	4.2
Sound Level	Indoor,H/M/L	dB(A)±3	47 / 44 / 41
	Outdoor,Max	dB(A)±3	58
Refrigerant & Charge (at 7.5 m)		g(oz)	R410A, 2,200(77.6)
Additional Refrigerant charge		g/m(oz/ft)	35(0.38)
Compressor	Type		Rotary
	Model		5JD420XAD22
	Motor Type		Brushless DC motor
	Oil Type		FV50S
	Oil Charge	cc	1,300
	O.L.P. name		CS-7L 115
Fan(Indoor)	Type		Cross Flow Fan
	Motor Output	W	75
Fan(Outdoor)	Type		Propeller
	Motor Type		Brushless DC motor
	Motor Output	W	100
Circuit Breaker*		A	25
Power Supply Cable		No.*mm ²	3*2.5
Power and Transmission Cable No.*mm ²		No.*mm ²	4*0.75 (Including Earth)
Piping Connections	Liquid Side	mm(in)	6.35(1/4)
	Gas Side	mm(in)	15.88(5/8)
Drain Hose	O.D / I.D	mm(in)	21.5 / 16.0(0.85 / 0.63)
Dimensions	Indoor (W*H*D)	mm	1,209*346*205
		inch	47.6*13.6*8.1
	Outdoor (W*H*D)	mm	870*1,060*320
		inch	34.3*41.7*12.6
Net Weight	Indoor	kg(lbs)	19(41.9)
	Outdoor	kg(lbs)	75(165.3)
Operation Range	Cooling(Outdoor)	°C(°F)	-10 ~ 43 (14 ~ 109.4)
	Heating(Outdoor)	°C(°F)	-15 ~ 24(5 ~ 75.2)
Max. Piping Length		m(ft)	50(164)
Max. Elevation Difference		m(ft)	30(98.4)
Tool Code(Chassis)	Indoor + Outdoor		SD + UE2
Functions	Temperature Control		Thermistor
	Plasma Filter		Neo
	Prefilter(washable/anti-fungus)		O
	Auto Clean		O
	CHAOS Wind(Auto Wind)		O
	Steps, Fan/Cool/Heat		3 / 4 / 3
	Airflow Direction Control(up & Down)		Auto
	Airflow Direction Control(left & right)		Auto
	Remote Controller Type		Wireless LCD
	Setting Temperature	Cooling	18°C ~ 30°C
	Range	Heating	16°C ~ 30°C
	Auto Operation (Micom Control)		-
	Auto Changeover (Micom Control)		O
	Self Diagnosis		O
	Timer		24h, On/Off
	Sleep Operation		O
	Soft Dry Operation		O
	Restart Delay(minute)		3
	Deice Control(Defrost)		O
	Hot Start		O
	Jet Cool		O
	Low Ambient Operation		O
	Special Function		-

Note : O : Apply, X : Not applied, - : No relation

- Filters are optional in some specific areas.
- For Circuit Breaker Rating, please conform to local standards whenever necessary.



5. Dimensional Drawings

Indoor Units

General Wall Mounted

Item No.	Part name	Remark
1	Front Panel	
2	Display & signal receiver	
3	Knockout hole	
4	Air suction grille	
5		

Note

1. The unit is not allowed to be installed in closed area.
2. In an area or a space having no proper air circulation, an air guide should be installed in the outdoor unit.

LG Electronics

www.lge.com/airconditioner

76, Seongsan-dong, Changwon City, Gyeongnam,
641-713, Korea
TEL : 82-55-269-3506

S09AW & S12AW-NEO

TOOL CODE : SE

28 2007 Product Data

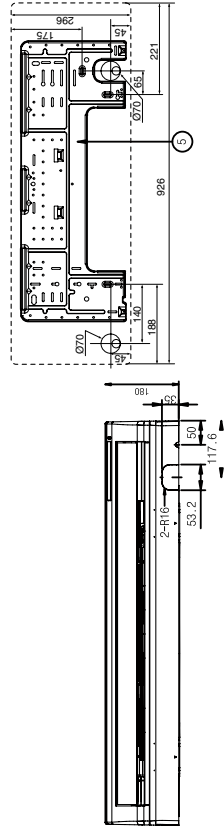
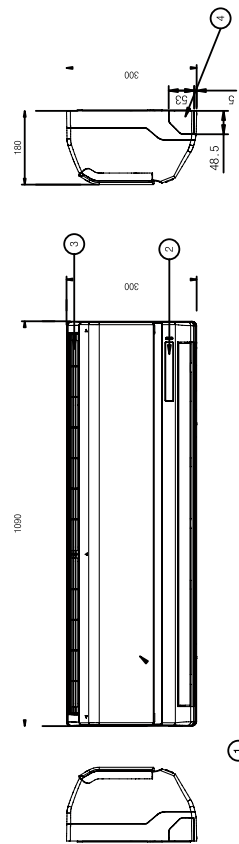


5. Dimensional drawings

Indoor units

WALL MOUNTED

Item No	Part Name	Remark
1	Front Panel	
2	Display & Signal Receiver	
3	Air Suction Grille	
4	Knockout hole	For pipe and cable
5	Installation Plate	



Note

1. The unit should be installed according to installation manual which is in the product box.
2. The Unit is powered from the outdoor unit. So power cable should be connected with the outdoor unit.

S18AW & S24AW-N52

TOOL CODE : S5

76, Seongsan-dong, Changwon City, Gyeongnam,
641-713, Korea
TEL : 82-55-269-3506

www.lge.com/airconditioner



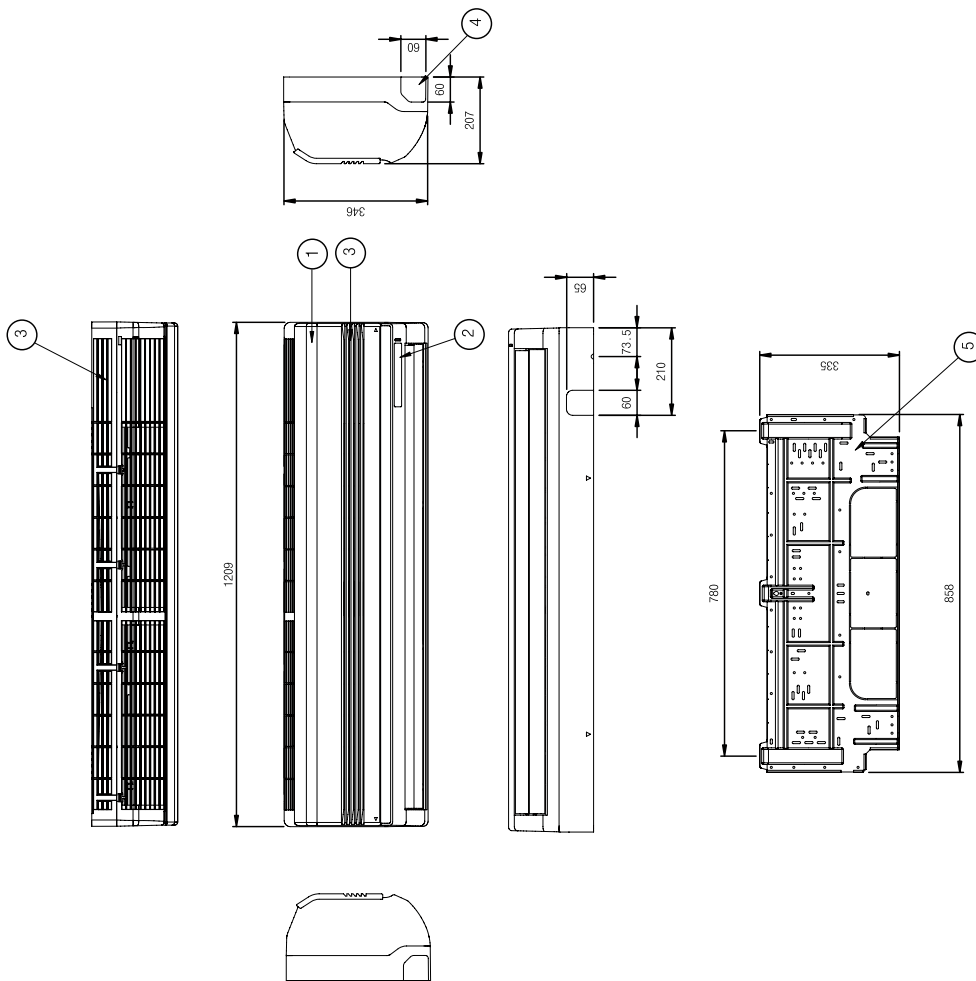


5. Dimensional drawings

Indoor units

WALL MOUNTED

Item No	Part Name	Remark
1	Front panel	
2	Display & signal receiver	
3	Air suction grille	
4	Knockout hole	For pipe and cable
5	Installation plate	



Note

1. The unit is not allowed to be installed in closed area.
2. In an area or a space having no proper air circulation, an air guide should be installed in the outdoor unit.

S30AW & S36AW-ND0

TOOL CODE : SD

76, Seongsan-dong, Changwon City, Gyeongnam,
641-713, Korea
TEL : 82-55-269-3506

www.lge.com/airconditioner





5. Dimensional drawings

Outdoor units

5.2 Outdoor Units

Outdoor Unit

Item No.	Part Name	Remark
1	Air Discharge Grille	
2	Gas Pipe Connection Port	
3	Liquid Pipe Connection Port	
4	Control Box	
5	Earth Screw	

Note

- The unit is not allowed to be installed in closed area.
- In an area or a space having no proper air circulation, an air guide should be installed in the outdoor unit.

LG Electronics

www.lge.com/airconditioner

76, Seongsan-dong, Changwon City, Gyeongnam,
641-713, Korea
TEL : 82-55-289-3506

S09AW & S12AW-JE0

TOOL CODE : UL

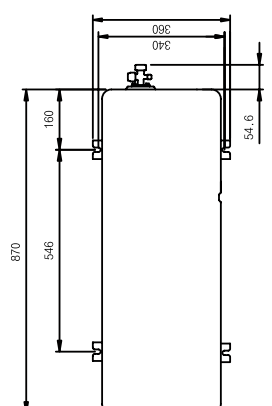


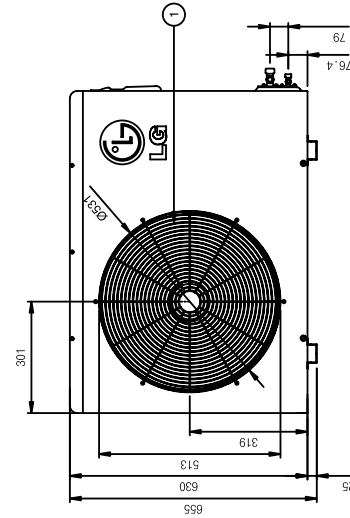
5. Dimensional drawings

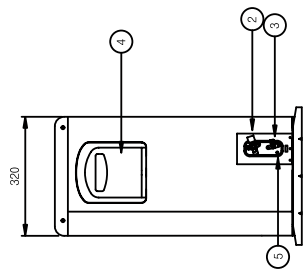
Outdoor units

Outdoor Unit

Item No	Part Name	Remark
1	Air Discharge Grille	
2	Gas Pipe Connection Port	
3	Liquid Pipe Connection Port	
4	Control Box	
5	Earth Screw	







Note

- The unit is not allowed to be installed in closed area.
- In an area or a space having no proper air circulation, an air guide should be installed in the outdoor unit.

S18AW-U52

TOOL CODE : UE
<p>76, Seongsan-dong, Changwon City, Gyeongnam, 641-713, Korea TEL : 82-55-269-3506</p>
<p>www.lge.com/airconditioner</p>

LG Electronics

40 2008 Product Data



5. Dimensional drawings

Outdoor units

Outdoor Unit

Item No	Part Name	Remark
1	Air Discharge Grille	
2	Gas Pipe Connection Port	
3	Liquid Pipe Connection Port	
4	Control Box	
5	Earth Screw	

Note

- The unit is not allowed to be installed in closed area.
- In an area or a space having no proper air circulation, an air guide should be installed in the outdoor unit.

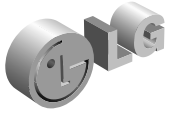
S24AW-U52
S30AW-UD0

LG Electronics

www.lge.com/airconditioner

76, Seongsan-dong, Changwon City, Gyeongnam,
641-713, Korea
TEL : 82-55-269-3506

TOOL CODE : UE1



5. Dimensional drawings

Outdoor units

Outdoor Unit

Item No.	Part Name	Remark
1	Air Discharge Grille	
2	Gas Pipe Connection Port	
3	Liquid Pipe Connection Port	
4	Control Box	
5	Earth Screw	

Note

- The unit is not allowed to be installed in closed area.
- In an area or a space having no proper air circulation, an air guide should be installed in the outdoor unit.

S36AW-JD0

LG Electronics

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76, Seongsan-dong, Changwon City, Gyeongnam,
641-713, Korea
TEL : 82-55-269-3506

TOOL CODE : UE2

42 2008 Product Data

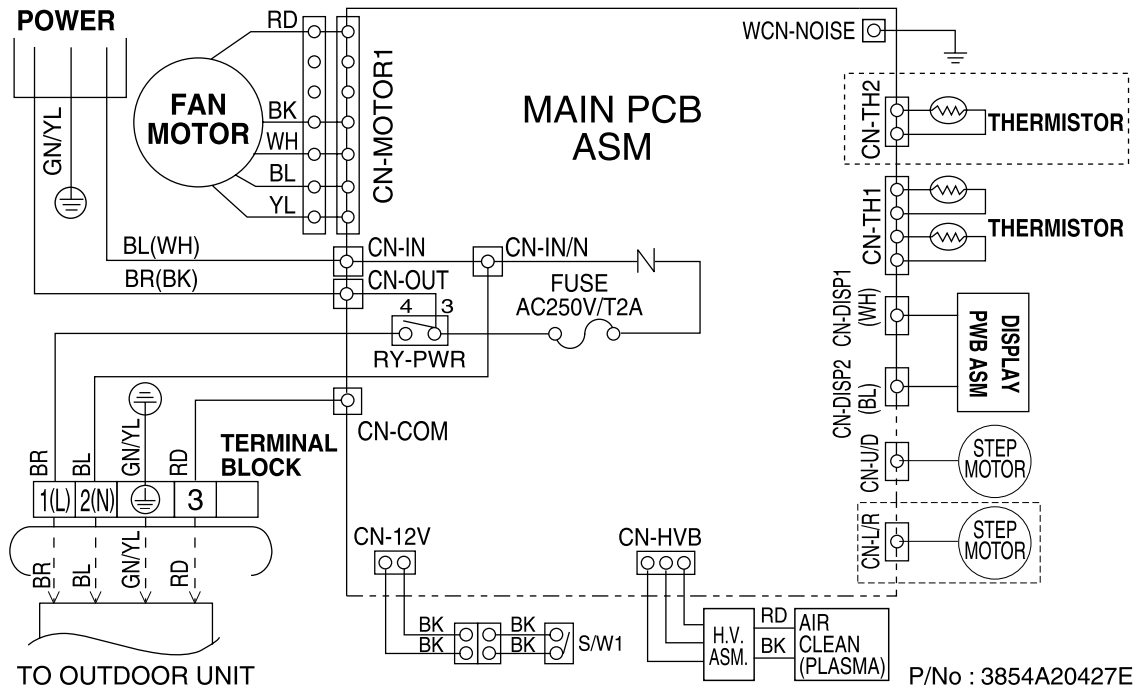


6. Wiring diagrams

Indoor Unit

6.1 Indoor units

Models: AS-W096E1G0 [S09AW1-NE0], AS-W126E1G0 [S12AW1-NE0], AS-W2465DH2 [S24AW-N52]

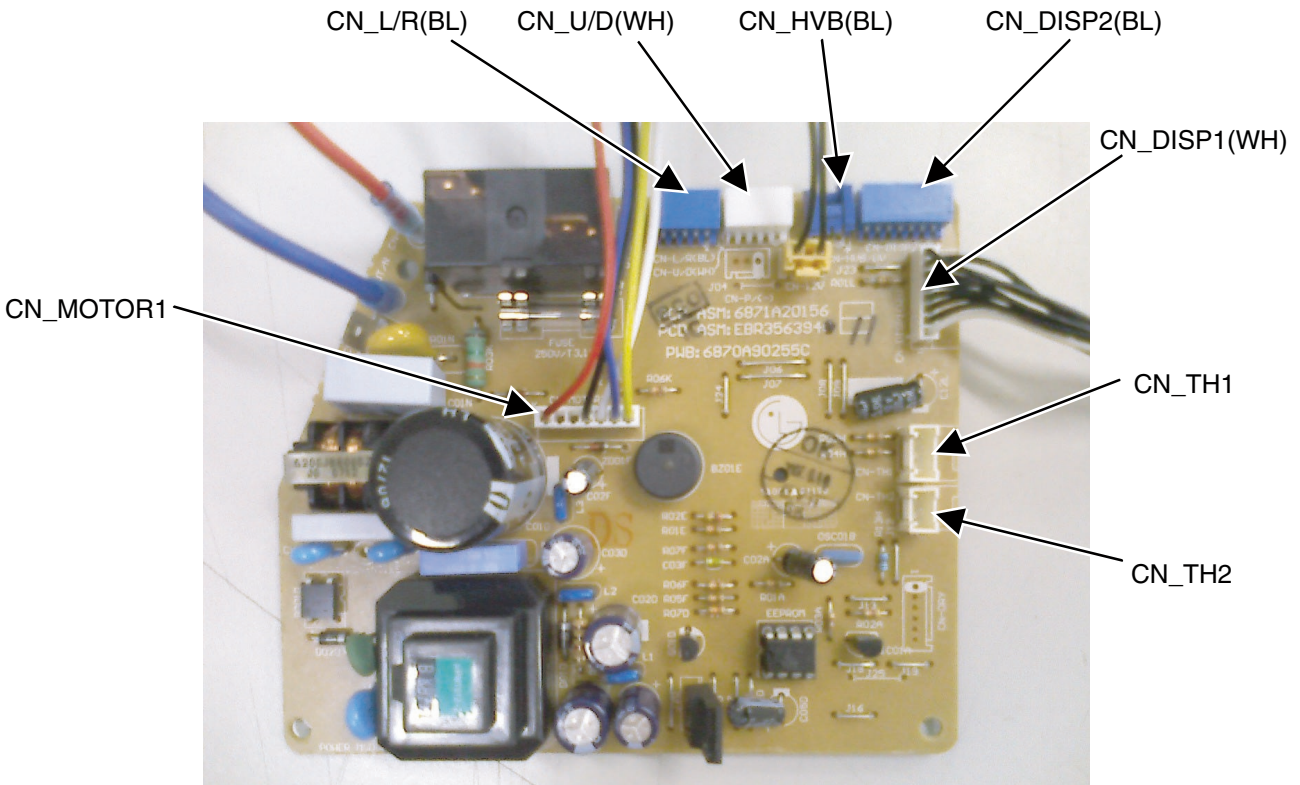
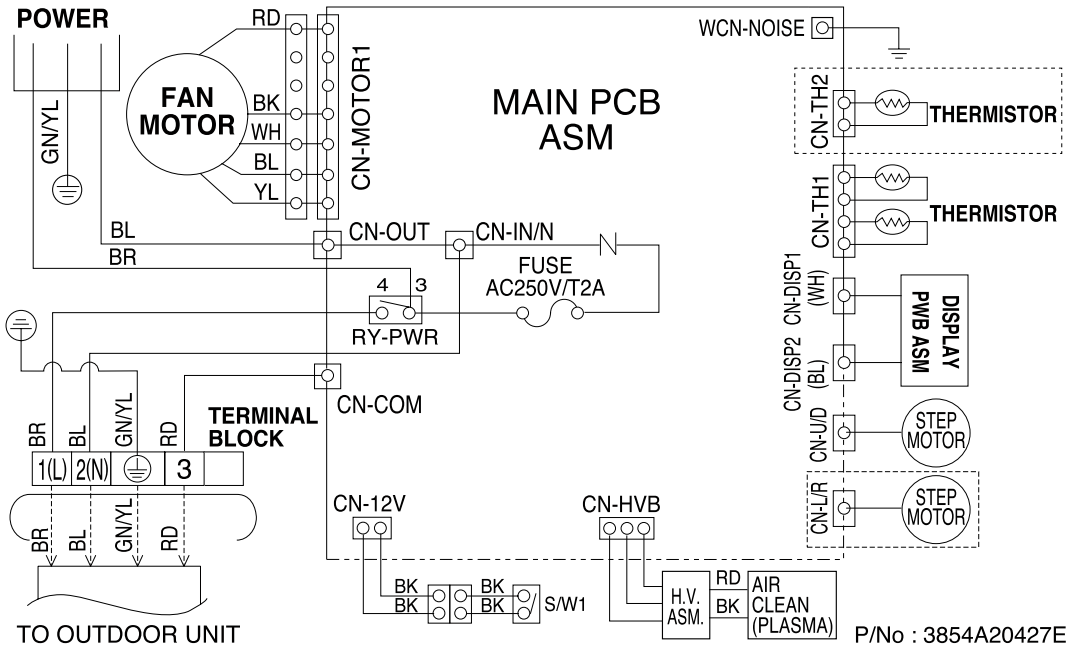




6. Wiring diagrams

Indoor Unit

Models: AS-W1865DH2 [S18AW-N52]

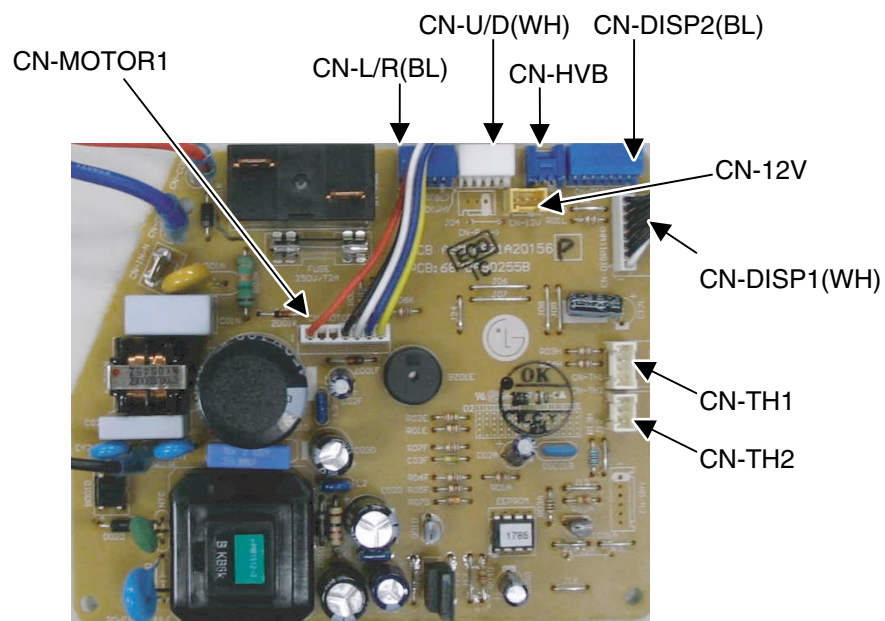
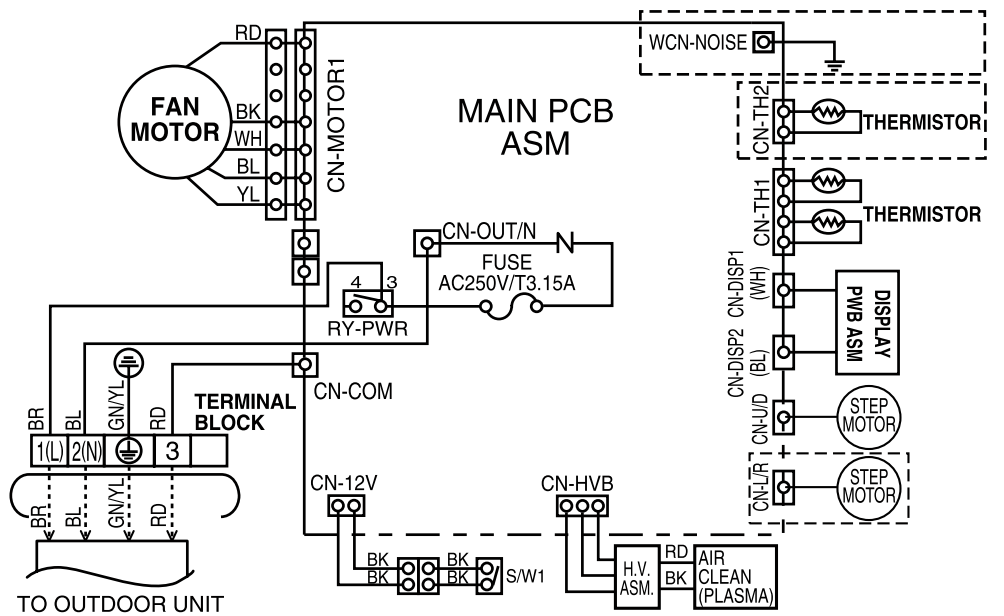




6. Wiring diagrams

Indoor Unit

Models: AS-W306DGM0 [S30AW-ND0], AS-W366DGM0 [A36AW-ND0]



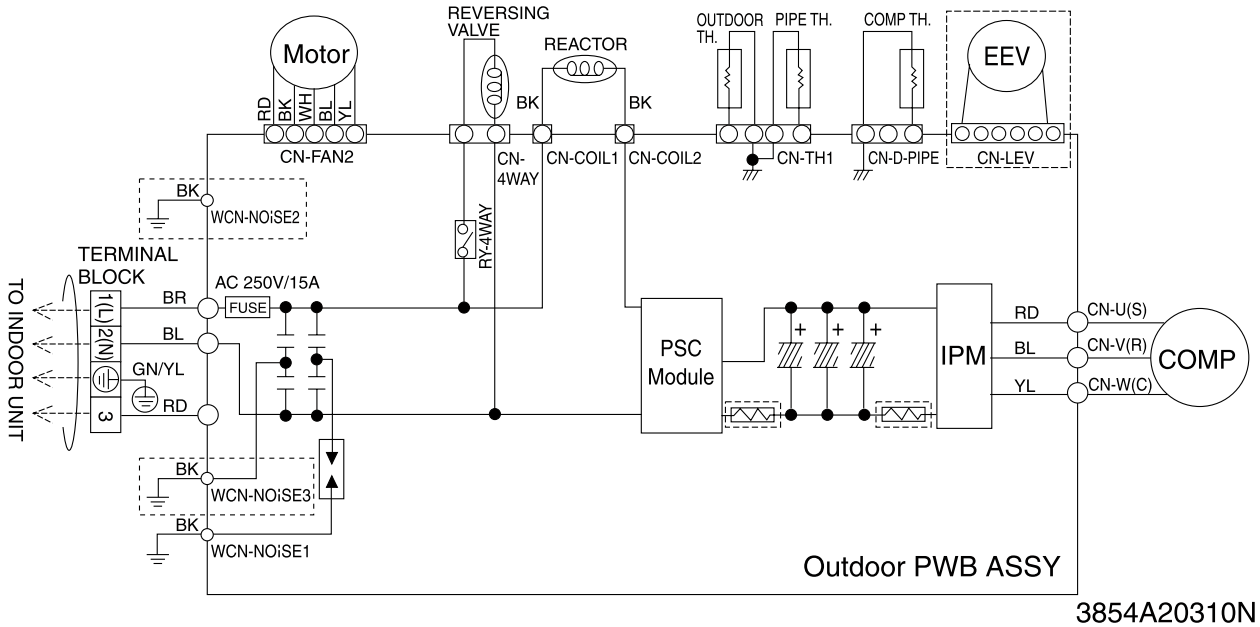


6. Wiring diagrams

Outdoor units

6.2 Outdoor units

Models: AS-W096E1G0 [S09AW1-NE0], AS-W126E1G0 [S12AW1-NE0]

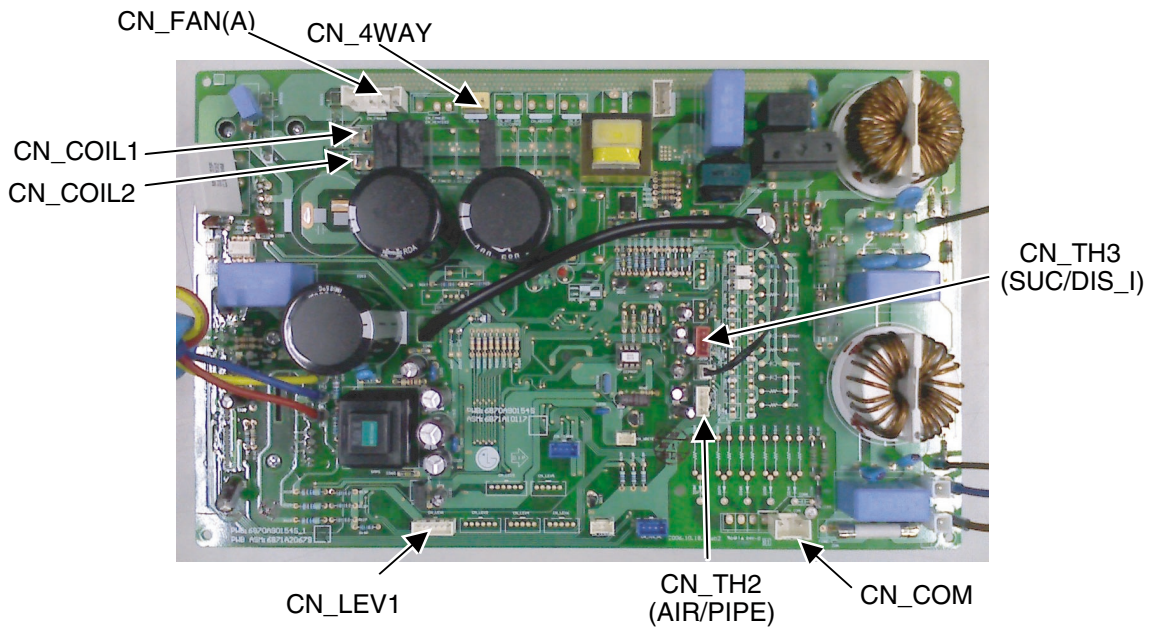
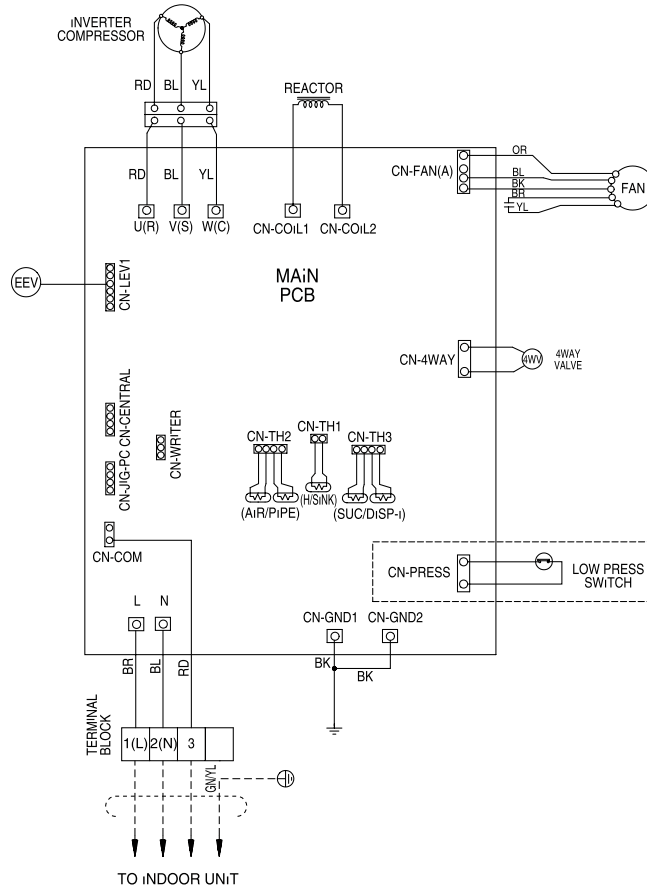




6. Wiring diagrams

Outdoor units

Models: AS-W1865DH2 [S18AW-N52]

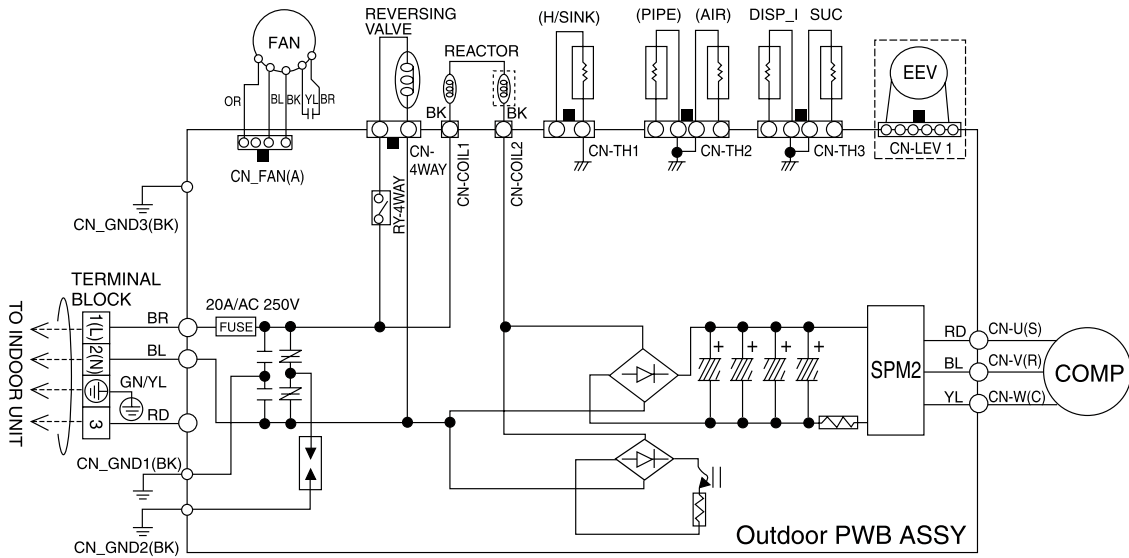




6. Wiring diagrams

Outdoor units

Models: AS-W2465DH2 [S24AW-N52]



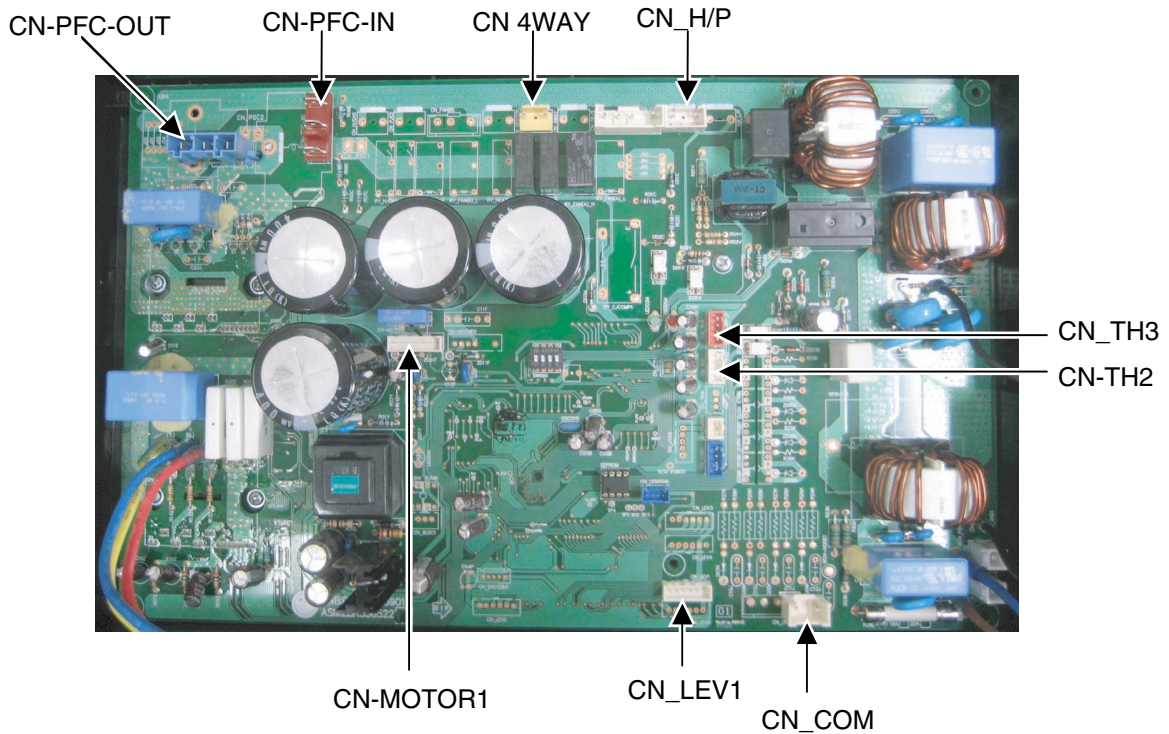
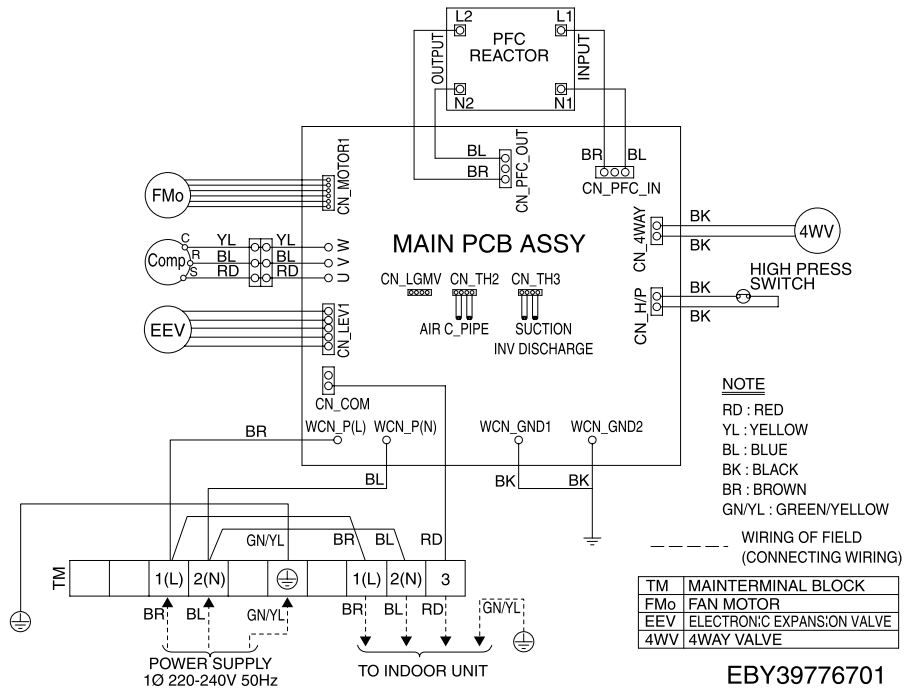
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6. Wiring diagrams

Outdoor units

Models: AS-W306DGM0 [S30AW-ND0]

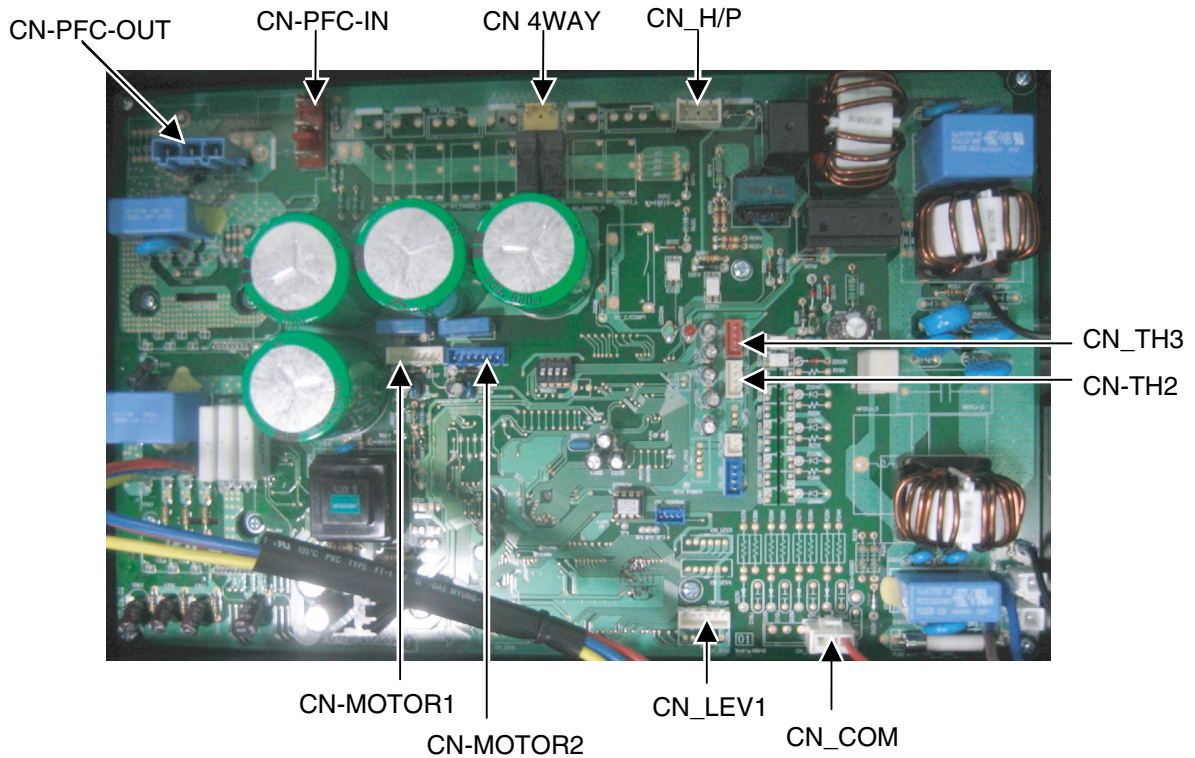
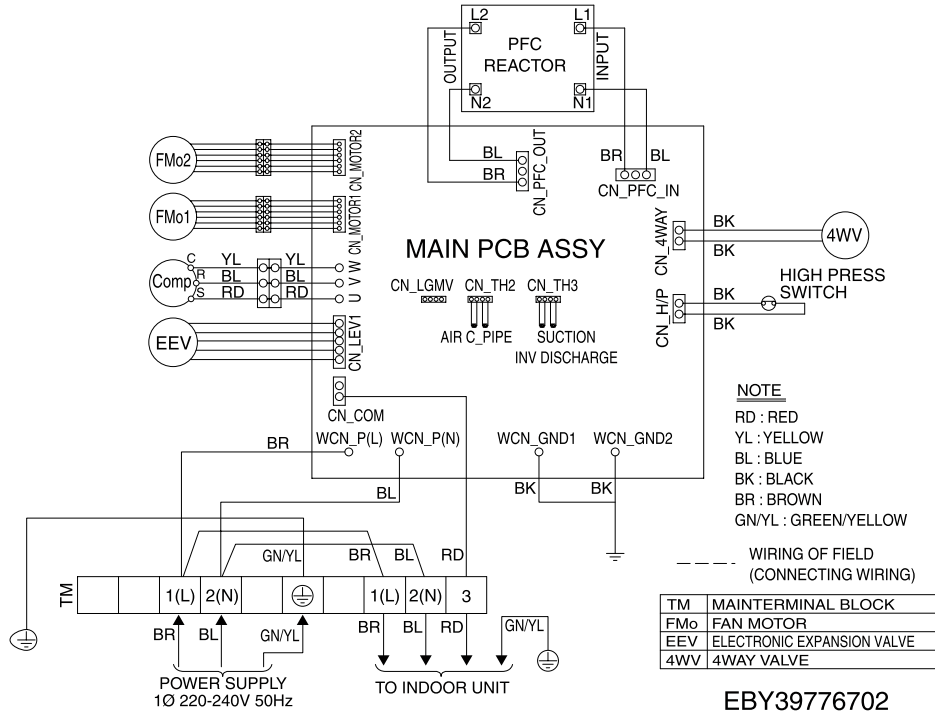




6. Wiring diagrams

Outdoor units

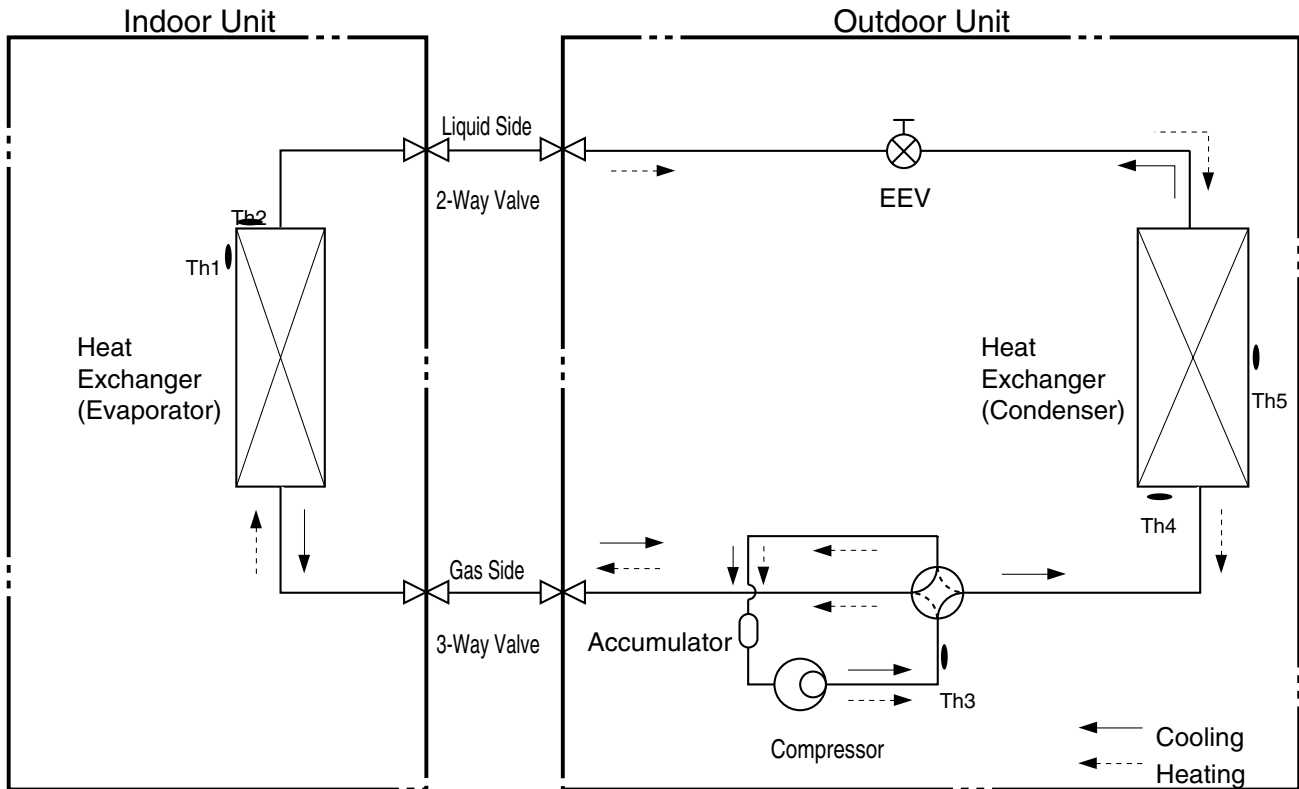
Models: AS-W366DGM0 [S36AW-ND0]





7. Refrigerant cycle diagram

Model no: AS-W096E1G0 [S09AW1-NE0], AS-W126E1G0 [S12AW1-NE0]

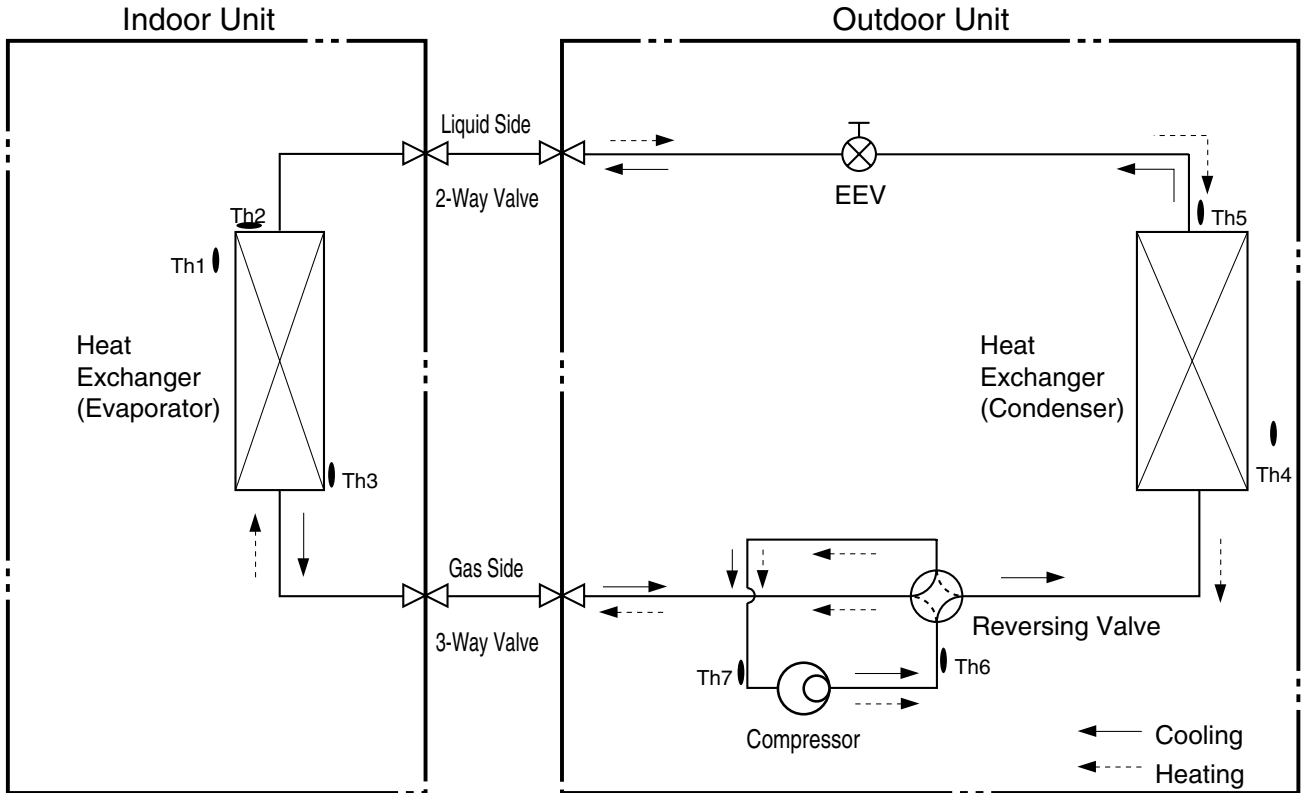


LOC.	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CN-TH1(INDOOR)
Th2	Thermistor for evaporating temperature	CN-TH1(INDOOR)
Th3	Thermistor for discharge pipe temperature	CN-D_PIPE(OUTDOOR)
Th4	Thermistor for condensing temperature	CN-TH1(OUTDOOR)
Th5	Thermistor for outdoor air temperature	CN-TH1(OUTDOOR)



7. Refrigerant cycle diagram

Model no: AS-W1865DH2 [S18AW-N52]

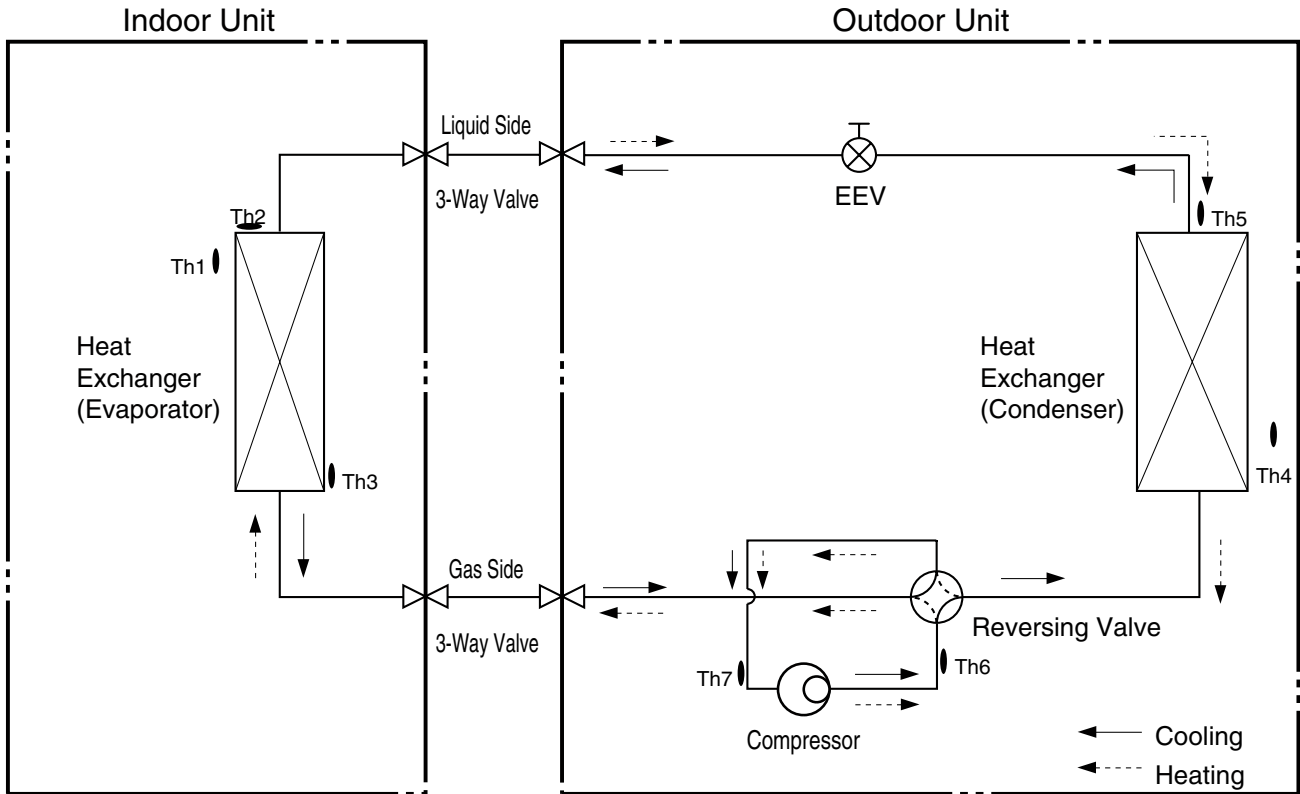


LOC.	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CN_TH1(INDOOR)
Th2	Thermistor for indoor pipe(in) temperature	
Th3	Thermistor for indoor pipe(out) temperature	CN_TH2(INDOOR)
Th4	Thermistor for outdoor air temperature	CN_TH2(OUTDOOR)
Th5	Thermistor for outdoor pipe temperature	
Th6	Thermistor for discharge pipe temperature	CN_TH3(OUTDOOR)
Th7	Thermistor for suction pipe temperature	



7. Refrigerant cycle diagram

Model no: AS-W2465DH2 [S24AW-N52]

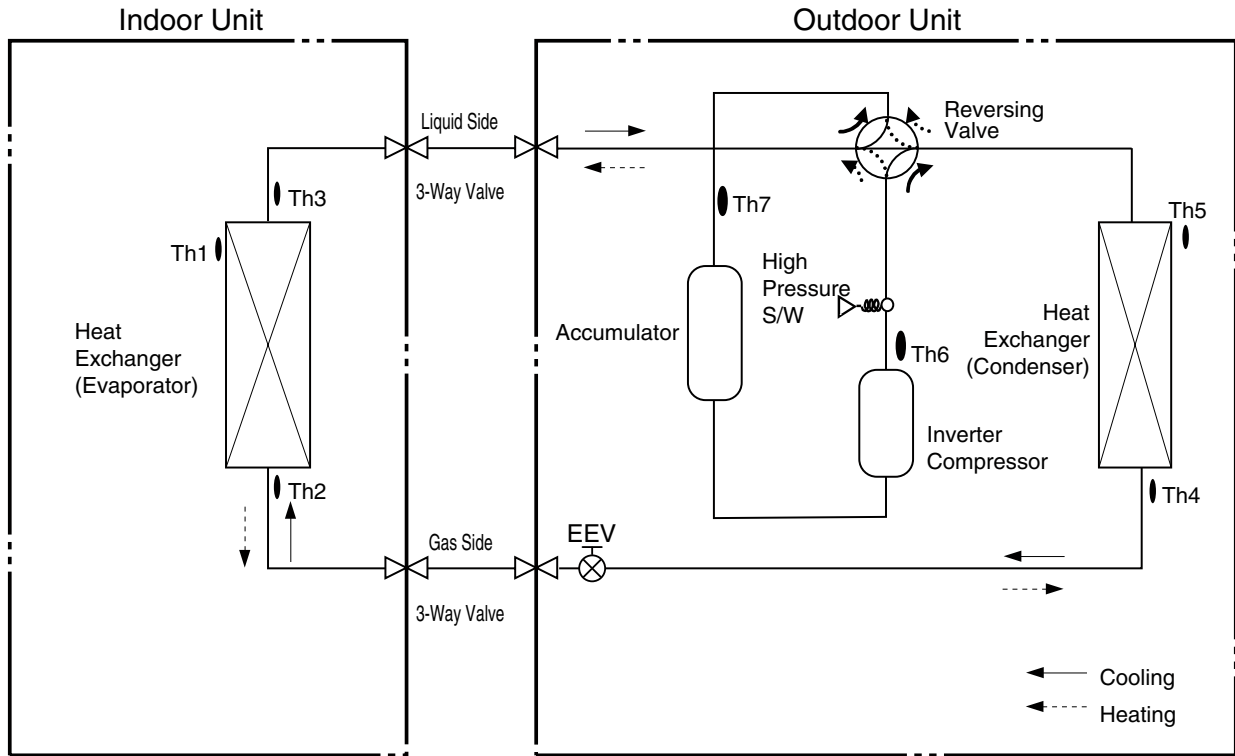


LOC.	Description	PCB Connector
Th1	Thermistor for indoor air temperature	CN_TH1(INDOOR)
Th2	Thermistor for indoor pipe(in) temperature	
Th3	Thermistor for indoor pipe(out) temperature	CN_TH2(INDOOR)
Th4	Thermistor for outdoor air temperature	CN_TH2(OUTDOOR)
Th5	Thermistor for outdoor pipe temperature	
Th6	Thermistor for discharge pipe temperature	CN_TH3(OUTDOOR)
Th7	Thermistor for suction pipe temperature	



7. Refrigerant cycle diagram

Model no: AS-W306DGM0 [S30AW-ND0], AS-W366DGM0 [S36AW-ND0]



LOC.	Description	PCB Connector
Th1	Thermister for indoor air temperature	CN_TH1(INDOOR)
Th2	Thermister for indoor pipe(in) temperature	
Th3	Thermister for indoor pipe(out) temperature	CN-TH2(INDOOR)
Th4	Thermister for outdoor pipe temperature	CN_TH2(OUTDOOR)
Th5	Thermister for outdoor air temperature	
Th6	Thermister for outdoor discharge pipe temperature(Inverter)	CN_TH3(OUTDOOR)
Th7	Thermister for outdoor suction pipe temperature(Inverter)	



8. Capacity tables

Cooling

AS-W126E1G0 [S12AW1-NE0]

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.85	2.22	0.71	2.79	2.21	0.85	2.66	2.14	0.99
16.0	22.0	3.33	2.53	0.73	3.26	2.50	0.86	3.10	2.43	1.00
18.0	25.0	3.71	2.75	0.74	3.63	2.72	0.87	3.46	2.63	1.02
19.0	27.0	3.89	2.84	0.75	3.80	2.81	0.89	3.63	2.72	1.03
22.0	30.0	4.27	3.01	0.76	4.17	2.97	0.90	3.98	2.87	1.05
24.0	32.0	4.43	3.06	0.77	4.33	3.02	0.91	4.13	2.92	1.06

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	2.58	2.10	1.04	2.49	2.05	1.11	2.43	2.03	1.14
16.0	22.0	3.01	2.38	1.06	2.90	2.32	1.12	2.83	2.28	1.16
18.0	25.0	3.36	2.57	1.07	3.24	2.51	1.14	3.16	2.47	1.18
19.0	27.0	3.52	2.66	1.09	3.39	2.59	1.16	3.31	2.55	1.20
22.0	30.0	3.86	2.81	1.10	3.72	2.73	1.17	3.63	2.68	1.21
24.0	32.0	4.01	2.84	1.12	3.86	2.76	1.19	3.77	2.71	1.23

Symbol

AFR : Air flow rate	[m ³ /min]
DB : Dry bulb temperature	[°C]
WB : Wet bulb temperature	[°C]
TC : Total capacity	[kW]
SHC : Sensible capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor+outdoor fan motor)	

Notes

- All capacities are net, evaporator fan motor heat is deducted.
- █ Indicates nominal maximum capacity.
- Direct interpolation is permissible. Do not extrapolate
- Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.



8. Capacity tables

Cooling

AS-W1865DH2

[S18AW-N52]

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	5.18	4.27	0.91	4.95	4.13	0.95	4.65	3.96	1.27
16.0	22.0	5.50	4.32	1.23	5.27	4.19	1.24	4.97	4.04	1.50
18.0	25.0	5.81	4.36	1.33	5.59	4.24	1.34	5.28	4.10	1.57
19.0	27.0	5.97	4.40	1.34	5.75	4.28	1.36	5.44	4.14	1.59
22.0	30.0	6.45	4.49	1.34	6.22	4.38	1.38	5.91	4.25	1.63
24.0	32.0	6.77	4.57	1.34	6.54	4.47	1.39	6.23	4.35	1.66

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	4.51	3.83	1.42	4.31	3.71	1.56	4.19	3.58	1.53
16.0	22.0	4.82	3.91	1.61	4.62	3.80	1.68	4.51	3.68	1.60
18.0	25.0	5.14	3.97	1.64	4.94	3.87	1.70	4.82	3.75	1.59
19.0	27.0	5.28	4.01	1.64	5.10	3.92	1.71	4.98	3.80	1.59
22.0	30.0	5.76	4.13	1.72	5.57	4.05	1.73	5.45	3.93	1.61
24.0	32.0	6.08	4.23	1.75	5.88	4.15	1.77	5.76	4.03	1.64

Symbol

AFR : Air flow rate	[m ³ /min]
DB : Dry bulb temperature	[°C]
WB : Wet bulb temperature	[°C]
TC : Total capacity	[kW]
SHC : Sensible capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor+outdoor fan motor)	

Notes

- All capacities are net, evaporator fan motor heat is deducted.
- Indicates nominal maximum capacity.
- Direct interpolation is permissible. Do not extrapolate
- Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.



8. Capacity tables

Cooling

AS-W2465DH2 [S24AW-N52]

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	5.70	4.45	1.64	5.58	4.41	1.94	5.32	4.29	2.26
16.0	22.0	6.66	5.05	1.66	6.52	5.00	1.97	6.21	4.86	2.30
18.0	25.0	7.43	5.50	1.69	7.27	5.43	2.00	6.93	5.27	2.33
19.0	27.0	7.77	5.68	1.72	7.61	5.62	2.04	7.25	5.44	2.37
22.0	30.0	8.53	6.03	1.74	8.35	5.95	2.06	7.96	5.75	2.40
24.0	32.0	8.85	6.13	1.76	8.67	6.04	2.09	8.26	5.83	2.44

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	5.16	4.20	2.38	4.97	4.11	2.54	4.86	4.05	2.62
16.0	22.0	6.02	4.75	2.42	5.80	4.64	2.58	5.66	4.57	2.66
18.0	25.0	6.72	5.15	2.46	6.47	5.02	2.61	6.32	4.94	2.70
19.0	27.0	7.03	5.31	2.50	6.77	5.18	2.66	6.62	5.09	2.75
22.0	30.0	7.72	5.61	2.53	7.43	5.46	2.69	7.26	5.36	2.78
24.0	32.0	8.01	5.69	2.57	7.71	5.53	2.73	7.53	5.42	2.82

Symbol

AFR : Air flow rate	[m ³ /min]
DB : Dry bulb temperature	[°C]
WB : Wet bulb temperature	[°C]
TC : Total capacity	[kW]
SHC : Sensible capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor+outdoor fan motor)	

Notes

1. All capacities are net, evaporator fan motor heat is deducted.
2. Indicates nominal maximum capacity.
3. Direct interpolation is permissible. Do not extrapolate
4. Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.



8. Capacity tables

Cooling

AS-W306DGM0

[S30AW-ND0]

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	7.84	6.90	1.46	7.50	6.68	1.53	7.04	6.41	2.05
16.0	22.0	8.33	6.99	1.98	7.98	6.78	2.00	7.52	6.53	2.42
18.0	25.0	8.81	7.05	2.15	8.46	6.85	2.16	8.00	6.62	2.54
19.0	27.0	9.05	7.12	2.17	8.70	6.92	2.19	8.24	6.70	2.57
22.0	30.0	9.78	7.26	2.17	9.43	7.08	2.23	8.96	6.88	2.63
24.0	32.0	10.26	7.39	2.16	9.91	7.22	2.25	9.44	7.03	2.68

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	6.83	6.19	2.29	6.53	6.00	2.52	6.35	5.79	2.46
16.0	22.0	7.31	6.32	2.60	7.01	6.15	2.71	6.83	5.94	2.58
18.0	25.0	7.78	6.42	2.65	7.48	6.26	2.75	7.30	6.06	2.58
19.0	27.0	8.00	6.48	2.65	7.72	6.34	2.76	7.54	6.14	2.57
22.0	30.0	8.73	6.68	2.78	8.43	6.54	2.80	8.25	6.35	2.60
24.0	32.0	9.21	6.84	2.83	8.91	6.71	2.86	8.73	6.52	2.65

Symbol

AFR : Air flow rate	[m ³ /min]
DB : Dry bulb temperature	[°C]
WB : Wet bulb temperature	[°C]
TC : Total capacity	[kW]
SHC : Sensible capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor+outdoor fan motor)	

Notes

- All capacities are net, evaporator fan motor heat is deducted.
- █ Indicates nominal maximum capacity.
- Direct interpolation is permissible. Do not extrapolate
- Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.



8. Capacity tables

Cooling

AS-W366DGM0

[S36AW-ND0]

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		20			25			32		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	8.82	7.29	1.65	8.44	7.05	1.72	7.93	6.77	2.31
16.0	22.0	9.37	7.38	2.23	8.98	7.16	2.25	8.46	6.89	2.72
18.0	25.0	9.91	7.44	2.41	9.52	7.24	2.43	9.00	6.99	2.86
19.0	27.0	10.18	7.51	2.44	9.79	7.31	2.46	9.27	7.07	2.89
22.0	30.0	11.00	7.66	2.44	10.60	7.47	2.50	10.08	7.26	2.96
24.0	32.0	11.54	7.80	2.43	11.14	7.62	2.53	10.62	7.42	3.01

Indoor Air Temperature		Outdoor Air Temperature : °CDB								
		35			40			43		
°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14.0	20.0	7.68	6.54	2.58	7.35	6.34	2.83	7.14	6.12	2.77
16.0	22.0	8.22	6.67	2.92	7.88	6.49	3.05	7.68	6.27	2.90
18.0	25.0	8.75	6.78	2.98	8.42	6.61	3.09	8.22	6.40	2.90
19.0	27.0	9.00	6.84	2.98	8.69	6.69	3.10	8.48	6.49	2.89
22.0	30.0	9.83	7.05	3.12	9.49	6.90	3.15	9.29	6.70	2.92
24.0	32.0	10.36	7.22	3.19	10.02	7.08	3.22	9.82	6.88	2.98

Symbol

AFR : Air flow rate	[m ³ /min]
DB : Dry bulb temperature	[°C]
WB : Wet bulb temperature	[°C]
TC : Total capacity	[kW]
SHC : Sensible capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor+outdoor fan motor)	

Notes

- All capacities are net, evaporator fan motor heat is deducted.
- █ Indicates nominal maximum capacity.
- Direct interpolation is permissible. Do not extrapolate
- Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.



8. Capacity tables

Heating

AS-W126E1G0 [S12AW1-NE0]

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB													
	-15		-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	3.44	1.03	3.62	1.00	3.92	1.05	4.19	1.13	4.65	1.21	4.91	1.25	5.33	1.34
18.0	3.40	1.04	3.61	1.03	3.92	1.08	4.18	1.16	4.62	1.23	4.85	1.28	5.31	1.35
20.0	3.38	1.06	3.61	1.05	3.93	1.11	4.17	1.19	4.57	1.26	4.82	1.30	5.32	1.36
21.0	3.37	1.07	3.61	1.07	3.93	1.13	4.16	1.20	4.54	1.27	4.82	1.31	5.29	1.36
22.0	3.36	1.08	3.61	1.08	3.92	1.14	4.15	1.22	4.51	1.28	4.81	1.31	5.24	1.36
24.0	3.32	1.11	3.57	1.11	3.88	1.17	4.12	1.25	4.47	1.30	4.73	1.33	5.18	1.37

Symbol

AFR : Air flow rate	[m ³ /min]
DB : Dry bulb temperature	[°C]
WB : Wet bulb temperature	[°C]
TC : Total capacity	[kW]
SHC : Sensible capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor+outdoor fan motor)	

Notes

- All capacities are net, evaporator fan motor heat is deducted.
- █ Indicates nominal maximum capacity.
- Direct interpolation is permissible. Do not extrapolate
- Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.
 - Outdoor air : 85%RH. However, the condition on nominal capacity is 7°CDB/6°CWB



8. Capacity tables

Heating

AS-W1865DH2 [S18AW-N52]

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB													
	-15		-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	4.56	1.44	4.80	1.41	5.20	1.47	5.56	1.58	6.17	1.69	6.52	1.76	7.08	1.88
18.0	4.52	1.46	4.79	1.44	5.21	1.52	5.56	1.63	6.13	1.73	6.44	1.80	7.05	1.90
20.0	4.49	1.49	4.79	1.48	5.21	1.56	5.54	1.67	6.07	1.77	6.40	1.82	7.07	1.91
21.0	4.48	1.51	4.79	1.50	5.21	1.58	5.53	1.69	6.03	1.79	6.40	1.84	7.02	1.91
22.0	4.47	1.52	4.79	1.52	5.21	1.60	5.51	1.71	5.99	1.80	6.39	1.85	6.96	1.91
24.0	4.42	1.56	4.75	1.57	5.15	1.65	5.47	1.75	5.94	1.83	6.28	1.86	6.88	1.93

Symbol

AFR : Air flow rate	[m ³ /min]
DB : Dry bulb temperature	[°C]
WB : Wet bulb temperature	[°C]
TC : Total capacity	[kW]
SHC : Sensible capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor+outdoor fan motor)	

Notes

- All capacities are net, evaporator fan motor heat is deducted.
- Indicates nominal maximum capacity.
- Direct interpolation is permissible. Do not extrapolate
- Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.
 - Outdoor air : 85%RH. However, the condition on nominal capacity is 7°CDB/6°CWB



8. Capacity tables

Heating

AS-W2465DH2 [S24AW-N52]

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB													
	-15		-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	6.08	2.35	6.39	2.29	6.93	2.40	7.40	2.58	8.21	2.76	8.68	2.87	9.42	3.06
18.0	6.01	2.38	6.38	2.35	6.94	2.47	7.40	2.65	8.16	2.82	8.57	2.92	9.39	3.09
20.0	5.97	2.43	6.38	2.41	6.94	2.54	7.38	2.72	8.08	2.88	8.51	2.97	9.41	3.11
21.0	5.96	2.45	6.38	2.44	6.94	2.57	7.36	2.75	8.03	2.91	8.51	2.99	9.34	3.11
22.0	5.95	2.48	6.38	2.48	6.94	2.61	7.34	2.79	7.97	2.93	8.50	3.00	9.27	3.11
24.0	5.88	2.54	6.32	2.55	6.85	2.68	7.28	2.86	7.91	2.98	8.36	3.03	9.16	3.14

AS-W306DGM0 [S30AW-ND0]

Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB													
	-15		-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	7.22	2.65	7.59	2.59	8.23	2.71	8.79	2.91	9.76	3.11	10.31	3.24	11.19	3.45
18.0	7.15	2.69	7.58	2.65	8.24	2.78	8.79	2.99	9.69	3.18	10.18	3.30	11.16	3.49
20.0	7.10	2.74	7.58	2.72	8.25	2.86	8.76	3.07	9.60	3.25	10.12	3.35	11.18	3.51
21.0	7.08	2.77	7.58	2.75	8.25	2.90	8.75	3.11	9.54	3.28	10.11	3.37	11.10	3.51
22.0	7.07	2.80	7.58	2.79	8.24	2.94	8.72	3.15	9.47	3.31	10.10	3.39	11.01	3.51
24.0	6.98	2.86	7.51	2.87	8.14	3.03	8.65	3.22	9.39	3.36	9.93	3.42	10.88	3.54

AS-W366DGM0 [S36AW-ND0]

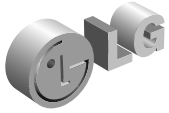
Indoor Air Temperature (°C)	Outdoor Air Temperature : °CWB													
	-15		-10		-5		0		6		10		15	
°CDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
16.0	7.82	2.81	8.23	2.74	8.92	2.87	9.52	3.09	10.57	3.30	11.17	3.44	12.12	3.66
18.0	7.74	2.85	8.21	2.81	8.93	2.96	9.52	3.17	10.50	3.38	11.03	3.50	12.09	3.70
20.0	7.69	2.91	8.21	2.89	8.93	3.04	9.50	3.26	10.40	3.45	10.96	3.56	12.11	3.72
21.0	7.67	2.94	8.21	2.92	8.93	3.08	9.47	3.30	10.33	3.48	10.96	3.58	12.03	3.73
22.0	7.66	2.97	8.21	2.96	8.93	3.13	9.45	3.34	10.26	3.51	10.94	3.60	11.93	3.73
24.0	7.56	3.04	8.13	3.05	8.82	3.21	9.37	3.42	10.18	3.57	10.76	3.63	11.79	3.76

Symbol

AFR : Air flow rate	[m ³ /min]
DB : Dry bulb temperature	[°C]
WB : Wet bulb temperature	[°C]
TC : Total capacity	[kW]
SHC : Sensible capacity	[kW]
PI : Power Input	[kW]
(Comp.+ indoor fan motor+outdoor fan motor)	

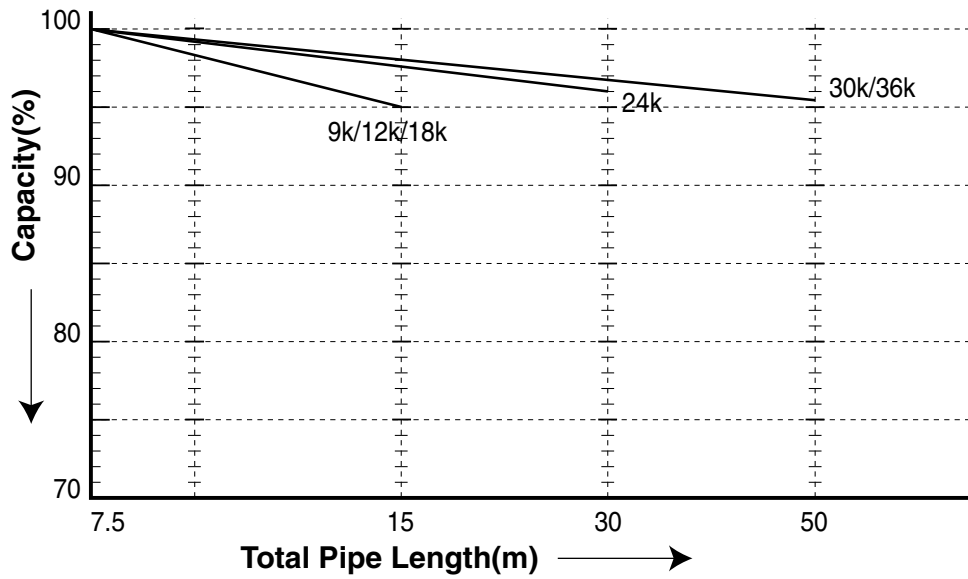
Notes

- All capacities are net, evaporator fan motor heat is deducted.
- █ Indicates nominal maximum capacity.
- Direct interpolation is permissible. Do not extrapolate
- Capacities are based on the following conditions:
 - Interconnecting Piping Length 7.5m
 - Level Difference of Zero.
 - Outdoor air : 85%RH. However, the condition on nominal capacity is 7°CDB/6°CWB

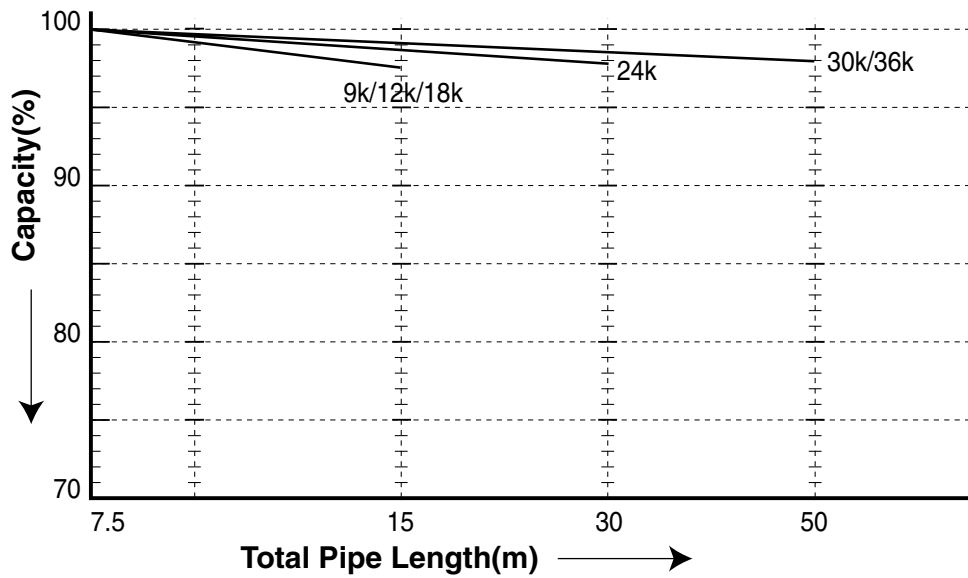


9. Capacity coefficient factor

Cooling



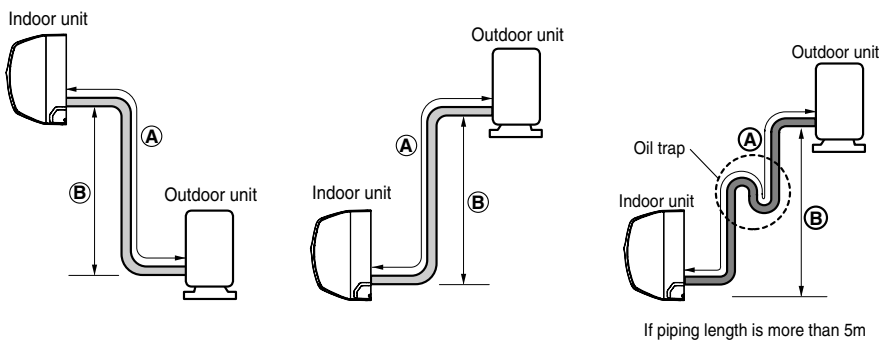
Heating





9. Capacity coefficient factor

Model No.	Max. Pipe Length(m)	Max. Elevation (m)	Additional Refrigerant[g/m(oz/ft)]
AS-W096ADR0	15	7	20(0.22)
AS-W0964GG1	15	7	20(0.22)
AS-W096E*H2	15	7	20(0.22)
AS-W096E1G0	15	7	20(0.22)
AS-W096F*G2	15	7	20(0.22)
AS-W096F1G2	15	7	20(0.22)
AS-W096U*H1	15	7	20(0.22)
AS-W126ADR0	15	7	20(0.22)
AS-W1264GG1	15	7	20(0.22)
AS-W126E*H2	15	7	20(0.22)
AS-W126E1G0	15	7	20(0.22)
AS-W126F*G2	15	7	20(0.22)
AS-W126F1G2	15	7	20(0.22)
AS-W126U*H1	15	7	20(0.22)
AS-W1863*H3	15	7	20(0.22)
AS-W1865DH2	15	7	20(0.22)
AS-W1865GG1	15	7	20(0.22)
AS-W1868*H1	15	7	20(0.22)
AS-W2463*H3	30	15	30(0.32)
AS-W2465DH2	30	15	30(0.32)
AS-W2468*H1	30	15	30(0.32)
AS-W306DGM0	50	30	30(0.32)
AS-W366DGM0	50	30	35(0.37)



CAUTION:

- Capacity is based on standard length and maximum allowance length is on the basis of reliability.
- Oil trap should be installed every 5~7 meters.

Notes

* Equivalent pipe length = actual pipe length + number of band x 0.3

* Additional Refrigerant Charge

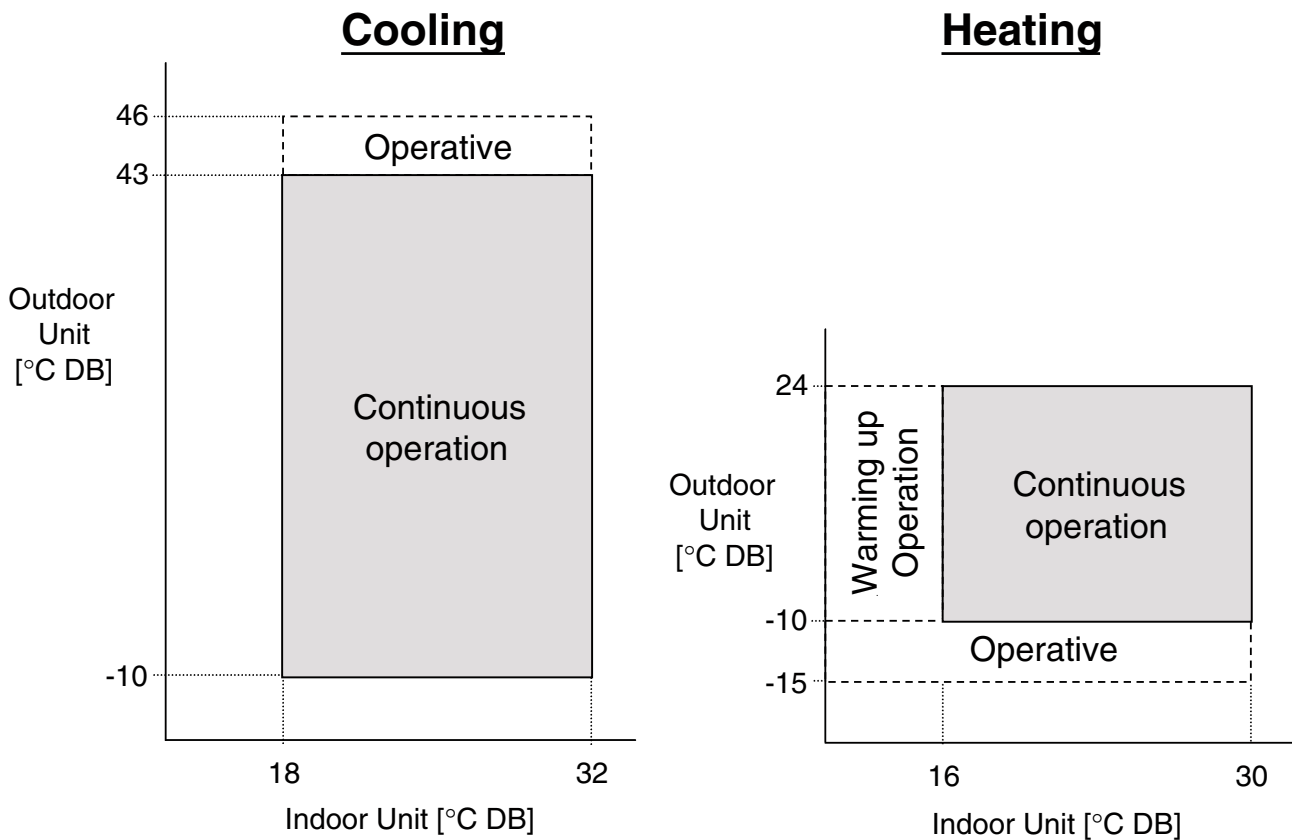
Example: For Model No. AS-W126ADR0 having 15m pipe length, additional refrigerant to be charged is
 $(15-7) \times 20 = 160\text{g}$

* Refer to the specification for the maximum pipe length of each model.

* 18k S5/S8 Chassis total piping length is 15m.



10. Operation range



Operative: Intermittent operation due to the operational conditions (indoor/outdoor temperature, humidity, load etc.) can cause the heating capacity to decrease.

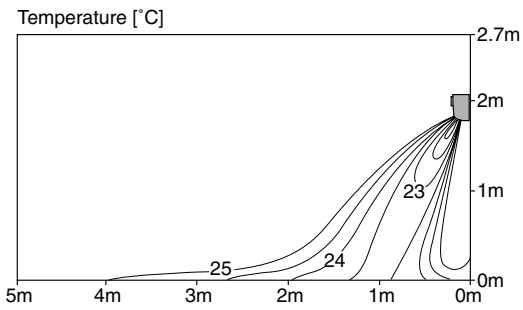
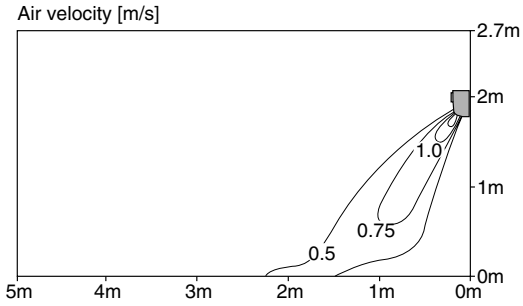


11. Air flow and temperature distributions(reference data)

General Wall Mouted 9kBtu/h

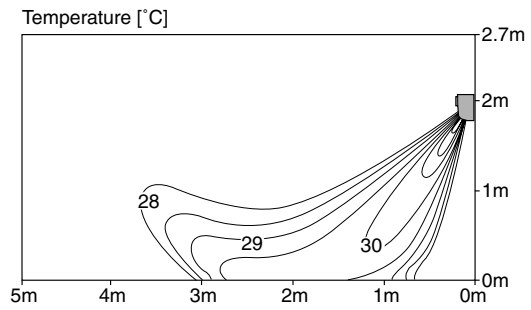
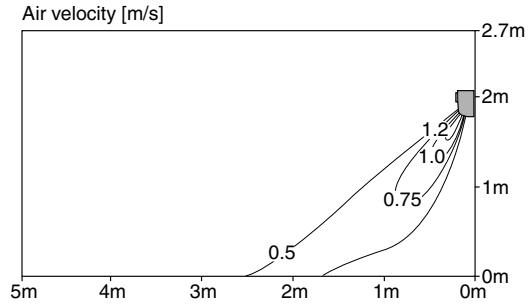
Cooling

Discharge angle:45°



Heating

Discharge angle:50°



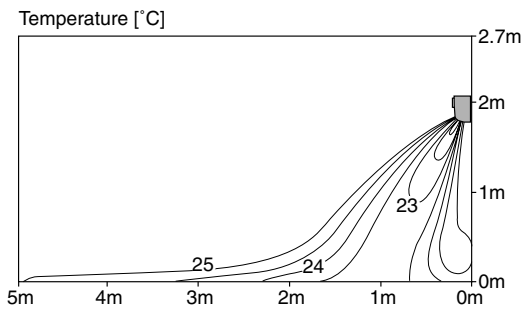
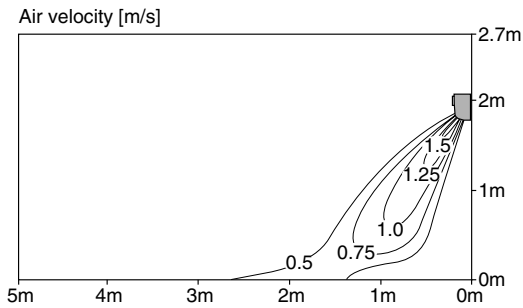


11. Air flow and temperature distributions(reference data)

General Wall Mouted 12kBtu/h

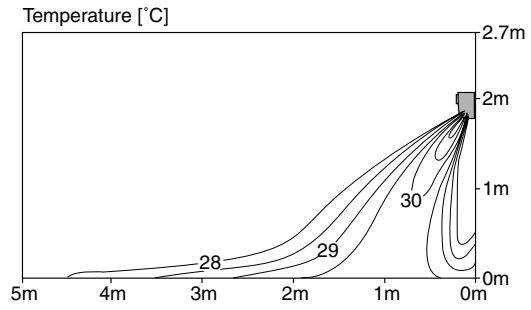
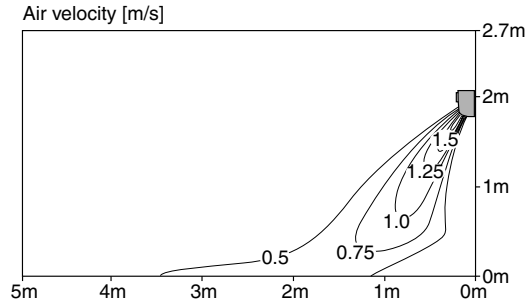
Cooling

Discharge angle:45°



Heating

Discharge angle:50°

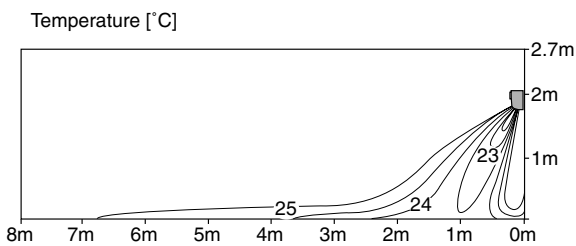
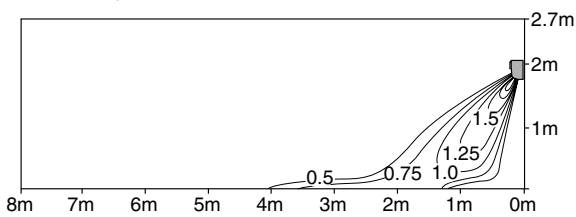


General Wall Mouted 18kBtu/h

Cooling

Discharge angle:45°

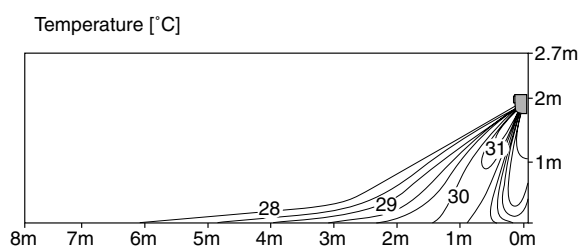
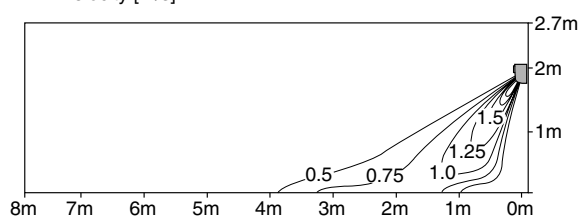
Air velocity [m/s]



Heating

Discharge angle:50°

Air velocity [m/s]

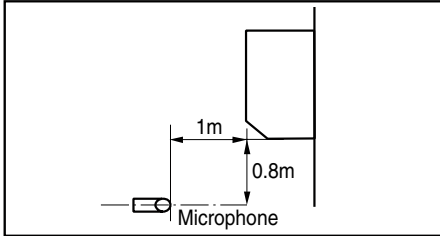




12. Sound levels

12.1 Indoor Units

Overall



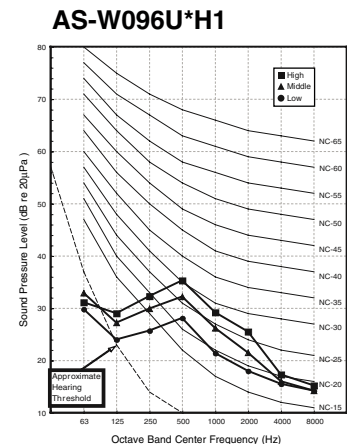
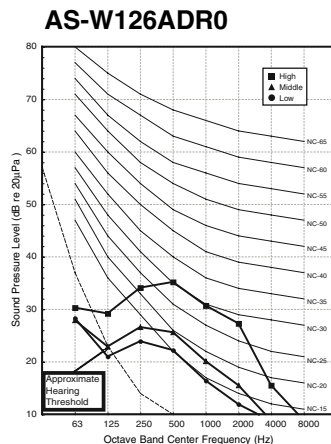
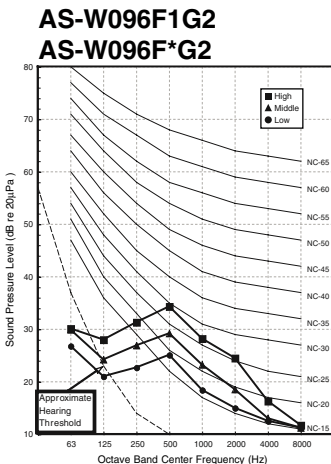
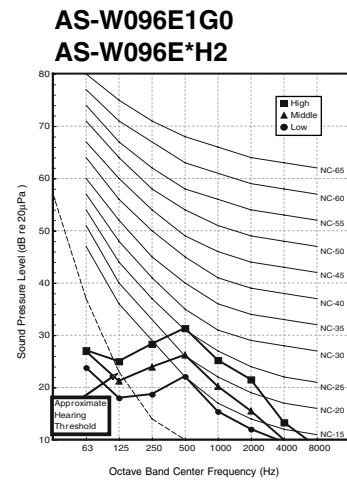
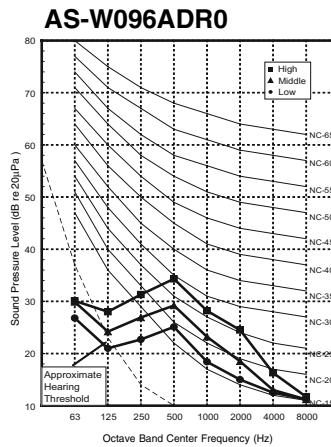
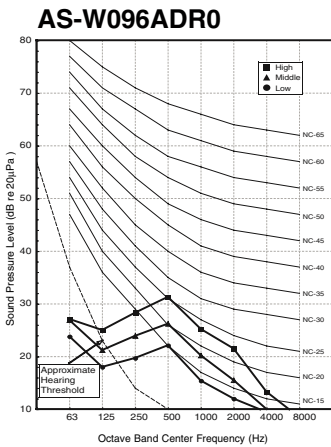
Notes:

- Sound measured at 1m away from the center of the unit.
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- Reference acoustic pressure 0dB=20μPa.
- 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.

Model	Sound Levels [dB(A)]		
	H	M	L
AS-W096ADR0	31	27	22
AS-W0964GG1	32	28	25
AS-W096E*H2	31	27	22
AS-W096E1G0	31	27	22
AS-W096F*G2	35	29	25
AS-W096F1G2	35	29	25
AS-W096U*H1	34	32	28
AS-W126ADR0	36	27	22
AS-W1264GG1	38	30	25
AS-W126E*H2	37	27	22
AS-W126E1G0	37	27	22
AS-W126F*G2	39	32	25
AS-W126F1G2	39	32	25
AS-W126U*H1	35	33	28

Model	Sound Levels [dB(A)]		
	H	M	L
AS-W1863*H3	43	-	37
AS-W1865DH2	42	39	36
AS-W1865GG1	43	40	37
AS-W1868*H1	42	39	36
AS-W2463*H3	45	36	37
AS-W2465DH2	44	41	37
AS-W2468*H1	43	40	36
AS-W306DGM0	46	43	39
AS-W366DGM0	47	44	41

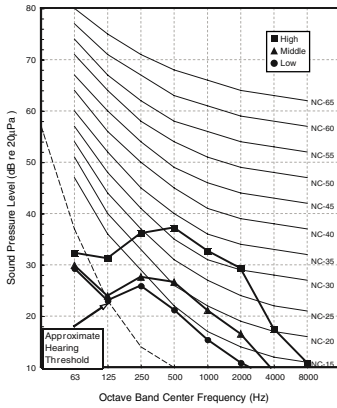
Sound Pressure Level



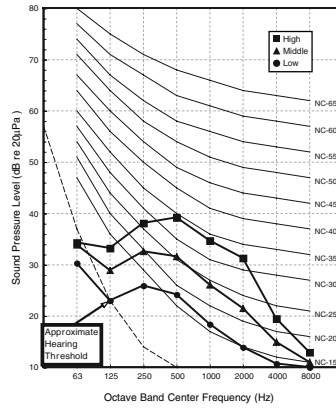


12. Sound levels

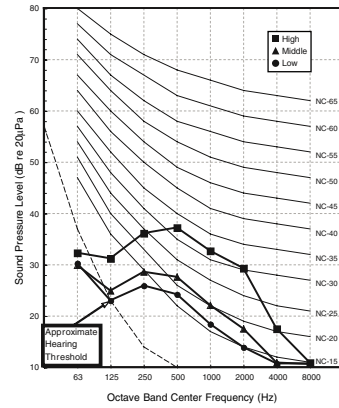
AS-W126E1G0
AS-W126E*H2



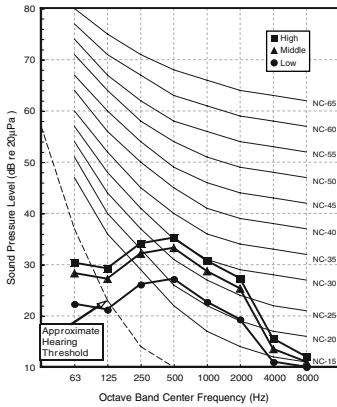
AS-W126F1G2
AS-W126F*G2



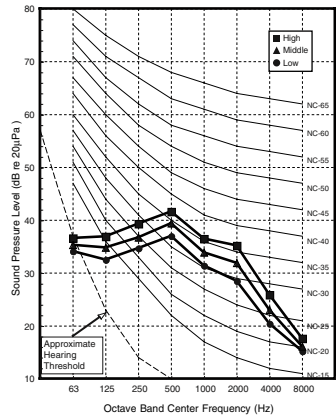
AS-W1264GG1



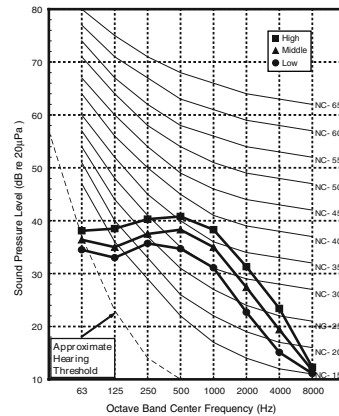
AS-W126U*H1



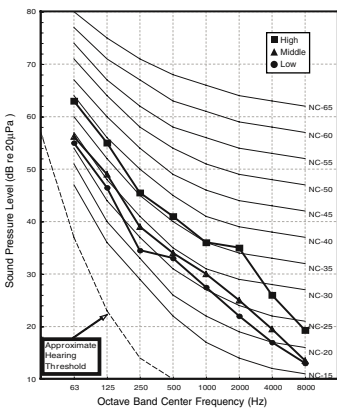
AS-W1865DH2
AS-W1868*H1



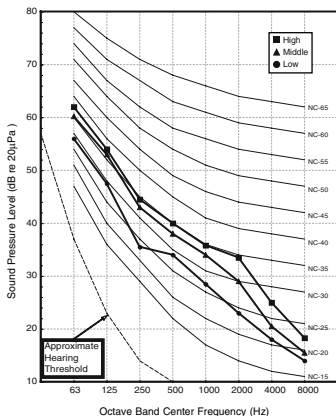
AS-W1865GG1
AS-W1863*H3



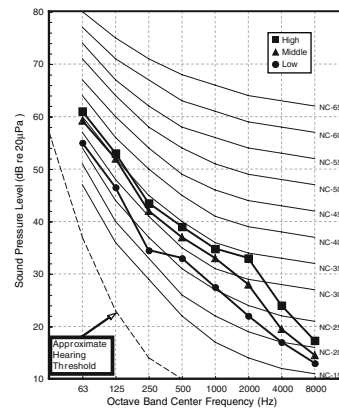
AS-W2463*H3

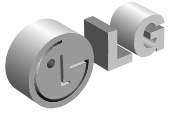


AS-W2465DH2



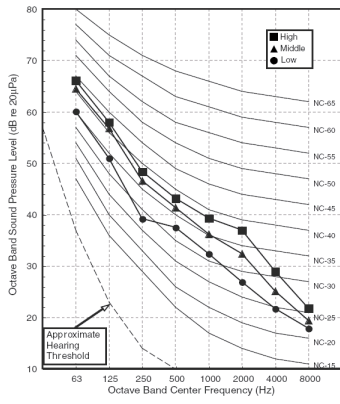
AS-W2468*H1



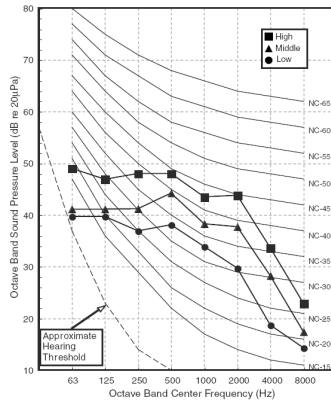


12. Sound levels

AS-W306DGM0



AS-W366DGM0

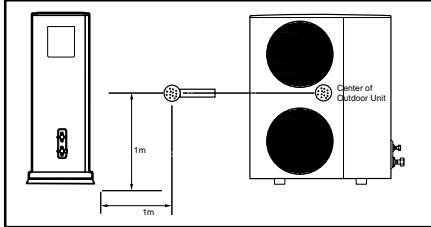




12. Sound levels

12.2 Outdoor Units

Overall



Notes:

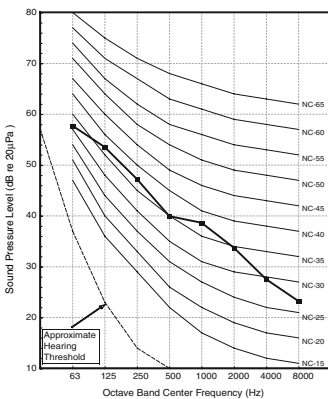
- Sound measured at 1m away from the center of the unit.
- Data is valid at free field condition.
- Data is valid at nominal operation condition.
- Reference acoustic pressure $0\text{dB}=20\mu\text{Pa}$.
- Sound level will vary depending on a range of factors such as the construction (acoustic absorption coefficient) of particular room in which the equipment is installed.
- The operating conditions are assumed to be standard.

Model	Sound Levels [dB(A)]	
	H	
AS-W096ADR0	45	
AS-W0964GG1	45	
AS-W096E*H2	45	
AS-W096E1G0	45	
AS-W096F*G2	48	
AS-W096F1G2	48	
AS-W096U*H1	48	
AS-W126ADR0	45	
AS-W1264GG1	45	
AS-W126E*H2	45	
AS-W126E1G0	45	
AS-W126F*G2	48	
AS-W126F1G2	48	
AS-W126U*H1	48	

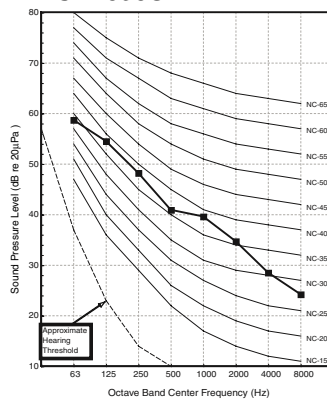
Model	Sound Levels [dB(A)]	
	H	
AS-W1863*H3	57	
AS-W1865DH2	55	
AS-W1865GG1	56	
AS-W1868*H1	54	
AS-W2463*H3	57	
AS-W2465DH2	56	
AS-W2468*H1	55	
AS-W306DGM0	54	
AS-W366DGM0	58	

Sound Pressure Level

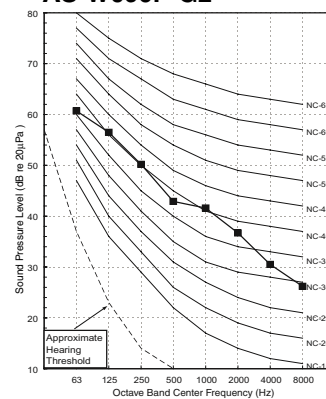
AS-W096ADR0



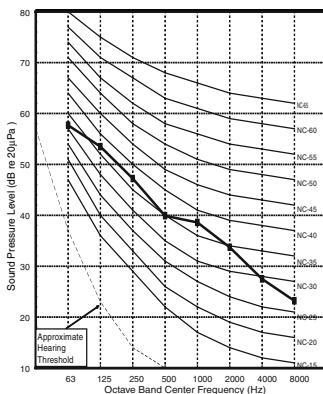
**AS-W096E1G0
AS-W096E*H2
AS-W096U*H1**



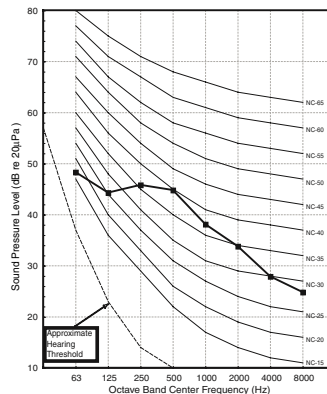
**AS-W096F1G2
AS-W096F*G2**



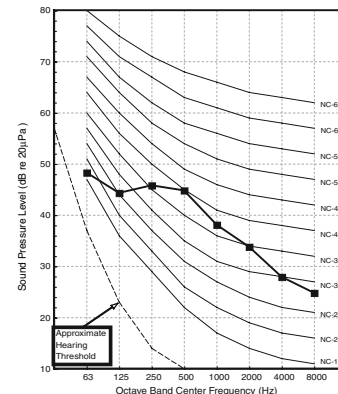
AS-W0964GG1



AS-W126ADR0



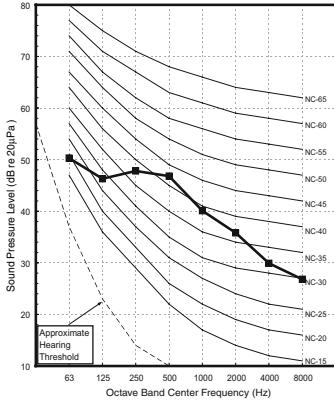
**AS-W126E1G0
AS-W126E*H2**



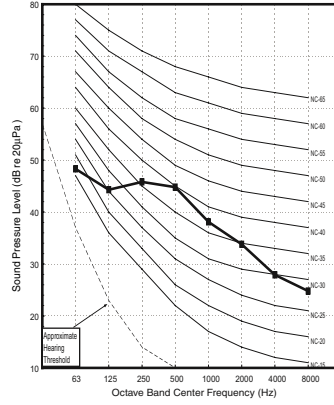


12. Sound levels

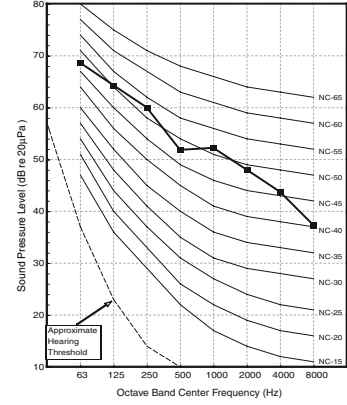
**AS-W126F1G2
AS-W126F*G2
AS-W126U*H1**



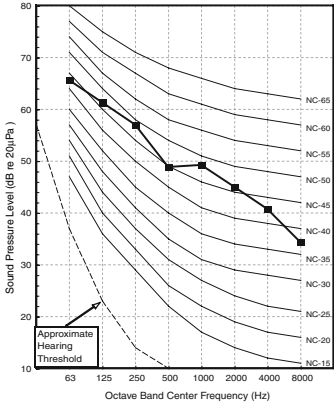
AS-W1264GG1



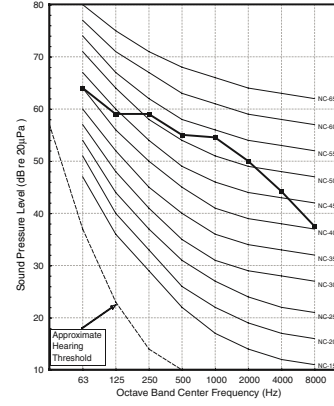
AS-W1863*H3



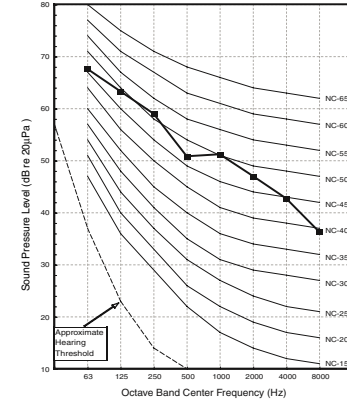
AS-W1868*H1



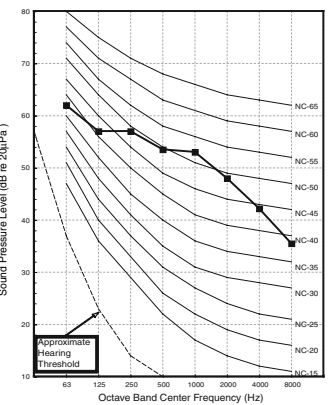
AS-W1865DH2



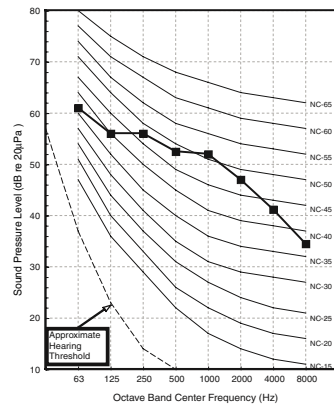
AS-W1865GG1



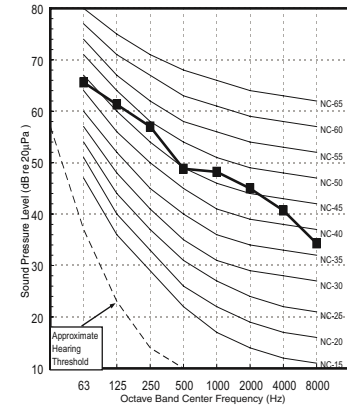
AS-W2463*H3



AS-W2465DH2



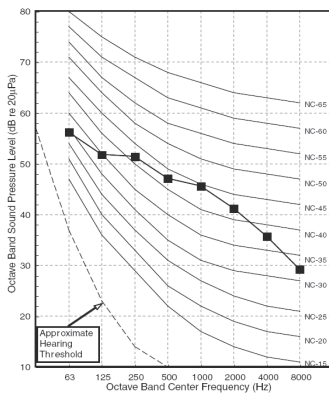
AS-W2468*H1



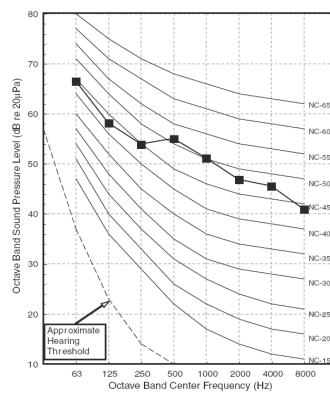


12. Sound levels

AS-W306DGM0



AS-W366DGM0

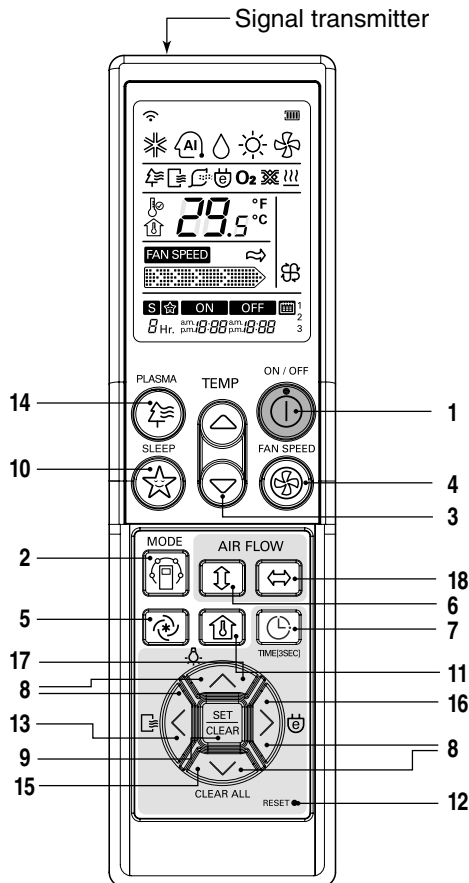




13. Remote controller

**Models: AS-W096E*H2/AS-W126E*H2/AS-W096F1G2/AS-W126F1G2/
AS-W096F*G2/AS-W126F*G2/AS-W1868*H1/AS-W2468*H1**

The controls will look like the following.



1. ON/OFF BUTTON

Used to turn off/on the unit.

2. OPERATION MODE SELECTION BUTTON

Used to select the operation mode.

3. ROOM TEMPERATURE SETTING BUTTONS

Used to select the room temperature.

4. INDOOR FAN SPEED SELECTOR BUTTON

Used to select fan speed in four steps
low, medium, high and CHAOS.

5. JET COOL BUTTON

Used to start or stop the speed cooling.
(It operates fan in super high speed in cooling mode)

6. CHAOS SWING BUTTON

Used to stop or start louver movement and set the desired up/down
airflow direction.

7. TIMER AND TIME SETTING BUTTON

Used to set the time of starting and stopping operation.

8. TIME SETTING BUTTONS

Used to adjust the time.

9. TIMER SET / CLEAR BUTTON

Used to set and to cancel the timer operation.

10. SLEEP MODE AUTO BUTTON

Used to set sleep mode auto operation.

11. ROOM TEMPERATURE CHECKING BUTTON

Used to check the room temperature.

12. RESET BUTTON

Used prior to resetting time.

13. AUTO CLEAN BUTTON

Used to set auto clean mode.

14. PLASMA BUTTON

Used to start or stop the plasma-purification function.

15. CLEAR ALL BUTTON

Used to cancel all timer setting.

16. ENERGY SAVING COOLING BUTTON(OPTIONAL)

Used to save Energy.

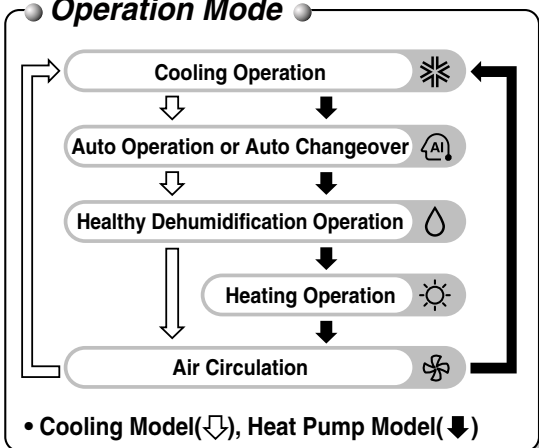
17. LCD LUMINOSITY BUTTON(OPTIONAL)

Used to adjust LCD luminosity.

18. HORIZONTAL AIRFLOW DIRECTION CONTROL BUTTON (OPTIONAL)

Used to set the desired horizontal airflow direction.

Operation Mode

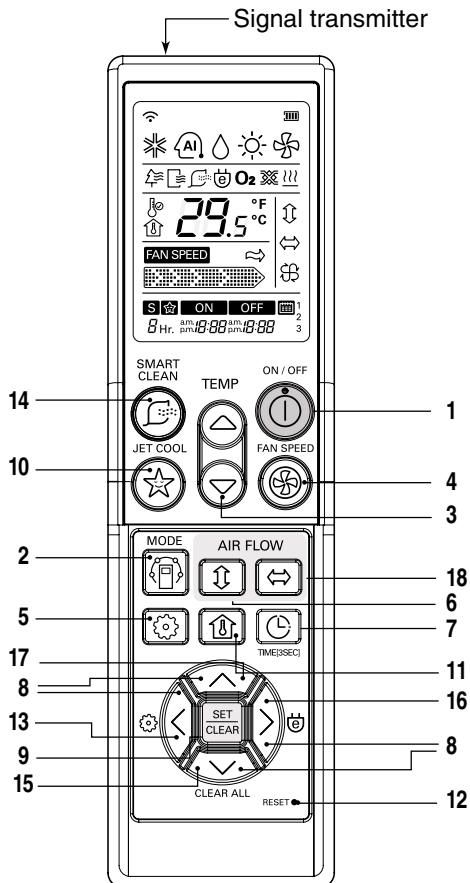




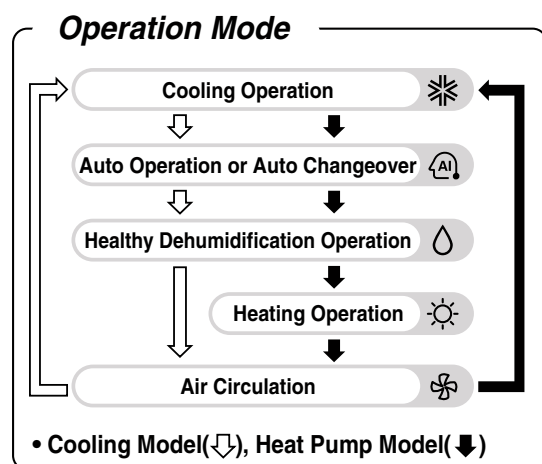
13. Remote controller

Models: AS-W096ADR0/AS-W126ADR0

The controls will look like the following.



- 1. ON/OFF BUTTON**
Used to turn off/on the unit.
- 2. OPERATION MODE SELECTION BUTTON**
Used to select the operation mode.
- 3. ROOM TEMPERATURE SETTING BUTTONS**
Used to select the room temperature.
- 4. INDOOR FAN SPEED SELECTOR BUTTON**
Used to select fan speed in four steps low, medium, high and CHAOS.
- 5. JET COOL BUTTON**
Used to start or stop the speed cooling.
(It operates fan in super high speed in cooling mode)
- 6. CHAOS SWING BUTTON**
Used to stop or start louver movement and set the desired up/down airflow direction.
- 7. TIMER AND TIME SETTING BUTTON**
Used to set the time of starting / stopping and sleeping operation
- 8. TIME SETTING BUTTONS**
Used to adjust the time.
- 9. TIMER SET / CLEAR BUTTON**
Used to set and to cancel the timer operation.
- 10. SLEEP MODE AUTO BUTTON**
Used to set sleep mode auto operation.
- 11. ROOM TEMPERATURE CHECKING BUTTON**
Used to check the room temperature.
- 12. RESET BUTTON**
Used prior to resetting time.
- 13. FUNCTION SETTING BUTTON**
Used to set auto clean and smart clean mode regularly.
- 14. SMART CLEAN BUTTON**
Used to start or stop the smart clean function.
- 15. CLEAR ALL BUTTON**
Used to cancel all timer setting.
- 16. ENERGY SAVING COOLING BUTTON**
Used to save Energy.
- 17. LED LUMINOSITY BUTTON**
Used to adjust brush and display LED luminosity.
- 18. HORIZONTAL AIRFLOW DIRECTION CONTROL BUTTON**
Used to set the desired horizontal airflow direction.

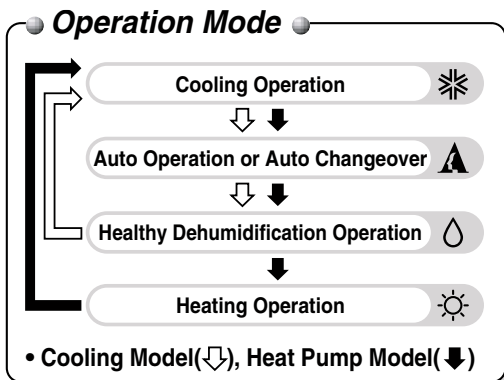
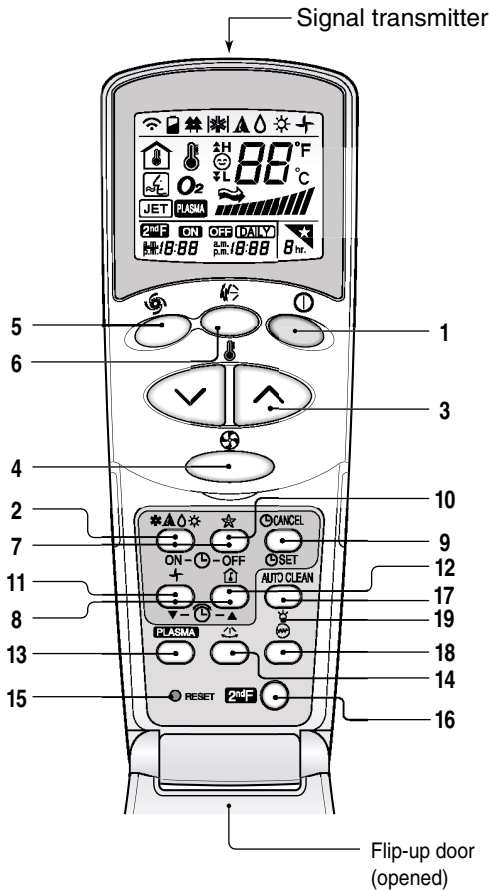




13. Remote controller

Wireless Remote Controller

The controls will look like the following.



- 1. START/STOP BUTTON**
Used to turn off/on the unit.
- 2. OPERATION MODE SELECTION BUTTON**
Used to select the operation mode.
- 3. ROOM TEMPERATURE SETTING BUTTONS**
Used to select the room temperature.
- 4. INDOOR FAN SPEED SELECTOR BUTTON**
Used to select fan speed in four steps low, medium, high and CHAOS.
- 5. JET COOL BUTTON**
Used to start or stop the speed cooling.
(It operates fan in super high speed in cooling mode)
- 6. CHAOS SWING BUTTON**
Used to stop or start louver movement and set the desired up/down airflow direction.
- 7. ON/OFF TIMER BUTTONS**
Used to set the time of starting and stopping operation.
- 8. TIME SETTING BUTTONS**
Used to adjust the time.
- 9. TIMER SET/CANCEL BUTTON**
Used to set and to cancel the timer operation.
- 10. SLEEP MODE AUTO BUTTON**
Used to set sleep mode auto operation.
- 11. AIR CIRCULATION BUTTON(OPTIONAL)**
Used to circulate the room air without cooling or heating.
- ENERGY-SAVING COOLING MODE BUTTON (OPTIONAL) For inverter type models**
- 12. ROOM TEMPERATURE CHECKING BUTTON**
Used to check the room temperature.
- 13. PLASMA BUTTON(OPTIONAL)**
Used to start or stop the plasma-purification function.
- 14. HORIZONTAL AIRFLOW DIRECTION CONTROL BUTTON (OPTIONAL)**
Used to set the desired horizontal airflow direction.
- 15. RESET BUTTON**
Used prior to resetting time.
- 16. 2nd F BUTTON**
Used prior to using modes printed in blue at the bottom of buttons.
- 17. AUTO CLEAN BUTTON(OPTIONAL)**
Used to set auto clean mode.
In some models this button has a 2nd function of LED luminosity control.
- 18. HEATER BUTTON(OPTIONAL)**
(Not available in all models)
- 19. LCD LUMINOSITY BUTTON(OPTIONAL)**
Used to adjust LCD luminosity.

NOTE

To use the functions printed in blue at the bottom of the buttons press 2nd F button first and then the required function button. Pressing the 2nd F button activates the blue printed function of the respective button. To cancel the function press the 2nd F button again else it will automatically cancel if remains idle after 10 seconds.