Model:

AMSD-A/AR
AMST-A/AR
AMSH-A

A4MSD-A/AR
A4MST-A/AR

ACSON International

MSD

MST

MSH

Multi-Split Systems

CE REGISTERED ISO 9002

AMS-2005

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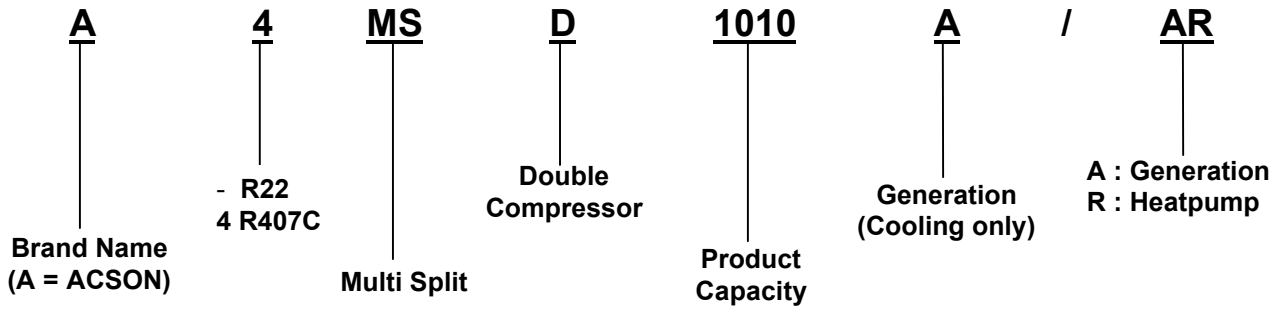
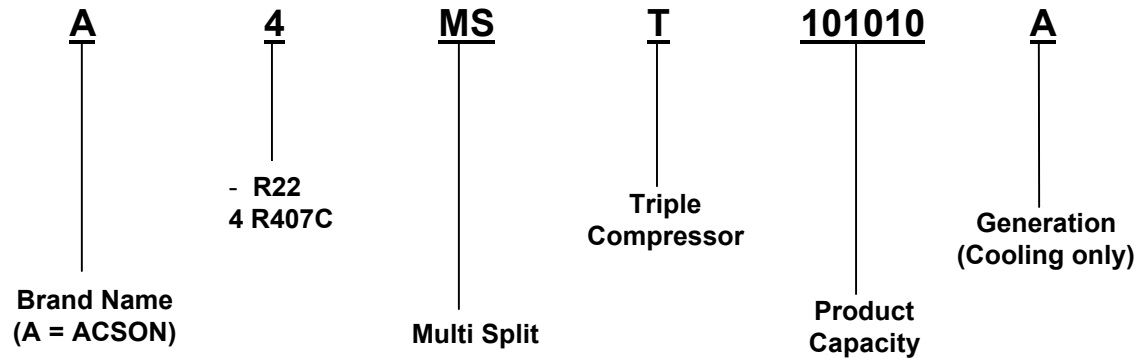
1. GENERAL INFORMATION

Product Nomenclature :

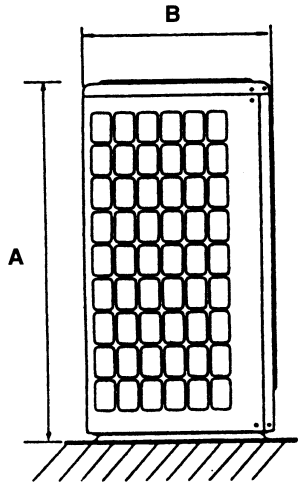




2. FEATURE

Triple S (Slim – Short – Stable)

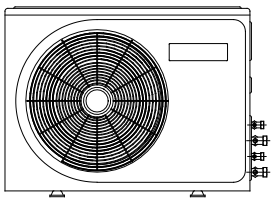
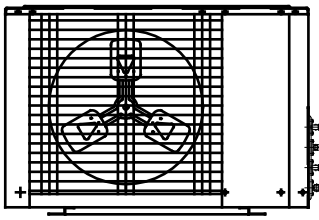
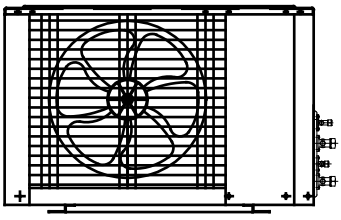
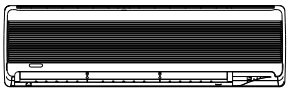
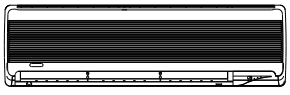
Slim and short outdoor unit can be easily installed even in a narrow balcony and passageway, and yet have a stable profile.

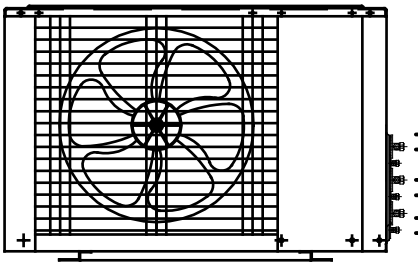
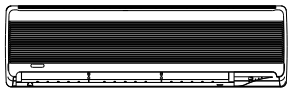
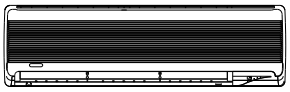
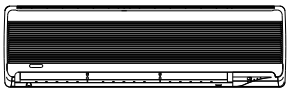
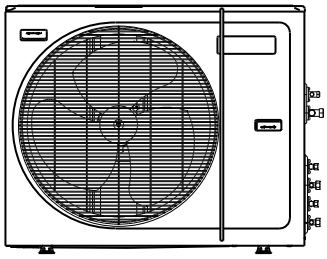
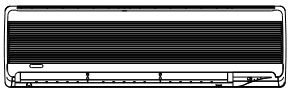
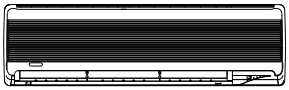
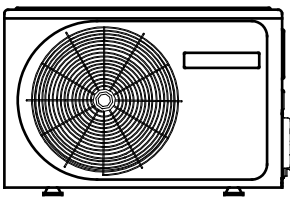
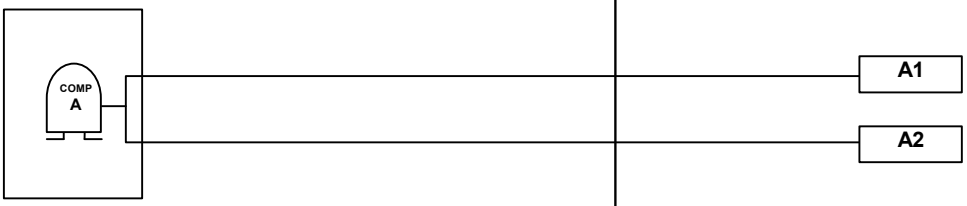
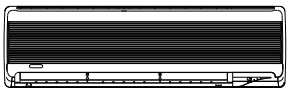


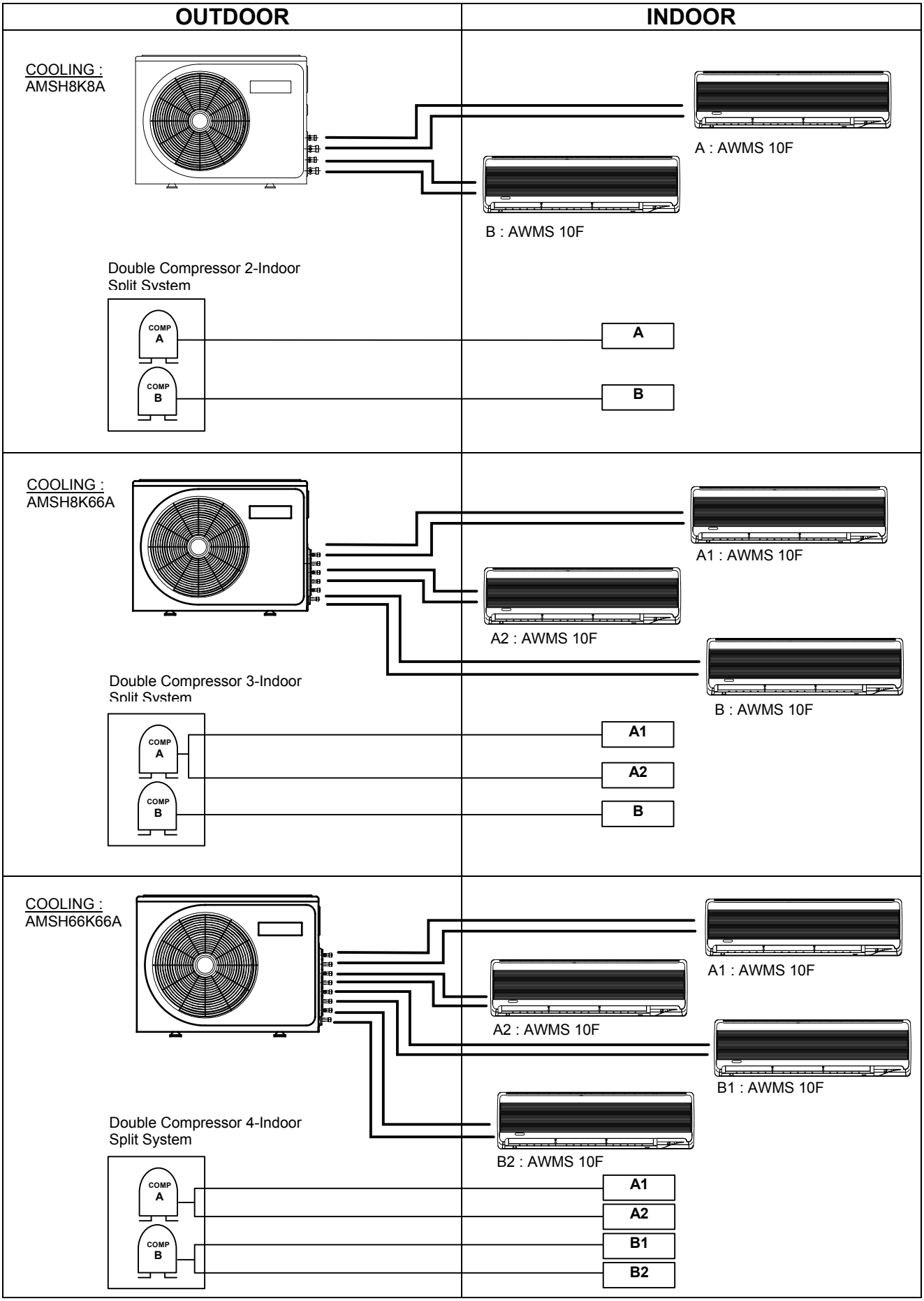
MODEL	A (cm)	B (cm)
AMSD/A4MSD 1010/1015/ 1515 A/AR	64.6	33.5
AMSD 1020A / 1520 A/AR / 2020 A	64.95	43.7
AMST/A4MST 101010 / 101015 / 101515 / 151515 A/AR AMST 101020 / 101025 / 101525 / 151525 A	64.95	43.7
AMSH 8K8A/8K66KA/66K66A 66K555A	64.6	33.5
AMSHK77A	49.4	27.5

Air Discharge

3. COUPLING VERSATILITY

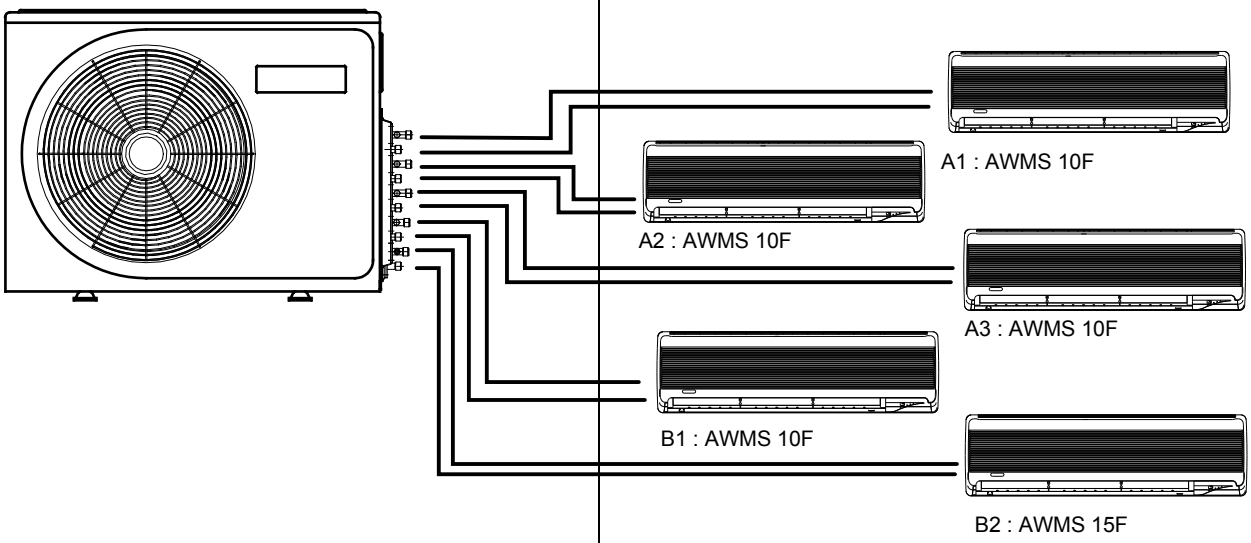
OUTDOOR	INDOOR
   Cooling : AWMS 10/15F Heatpump : AWMS 10/15/20FR Cooling : AWMS 10/15F Heatpump : AWMS 10/15/20FR	
Cooling : AMSD / A4MSD 1010/1015/1515A Heatpump : AMSD / A4MSD 1010/1015/1515AR AMSD 1520AR	
   Cooling : AWMS 10/15F Cooling : AWMS 20F	
Cooling : AMSD 1020/1520A	
   Cooling : AWMS 20F Cooling : AWMS 20F	
Cooling : AMSD 2020A	

OUTDOOR	INDOOR
 Cooling : AMST 101010 / 101015 / 101515 / 151515A AMST 101020A A4MST 101010 / 101015 / 101515 / 151515A/AR	 Cooling : AWMS 10/15F Heatpump : AWMS 10/15FR  Cooling : AWMS 10/15F Heatpump : AWMS 10/15FR  Cooling : AWMS 10/15/20F Heatpump : AWMS 10/15FR
 Cooling : AMST 101025 / 101525 / 151525A	 Cooling : AWMS 10/15F  Cooling : AWMS 10/15F  Cooling : AWMS 25F
COOLING : AMSHK77A  Single Compressor 2-Indoor Split System  	 A1 : AWMS 15F  A2 : AWMS 15F

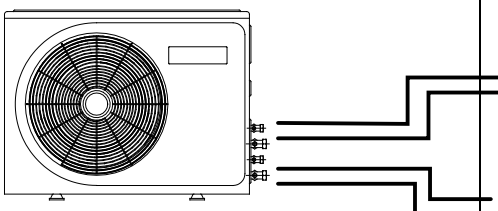
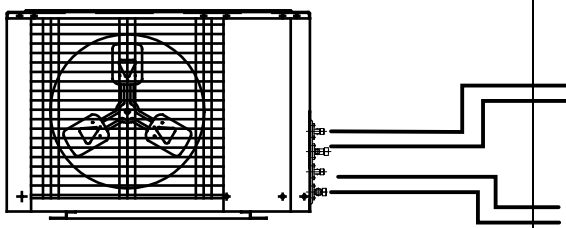
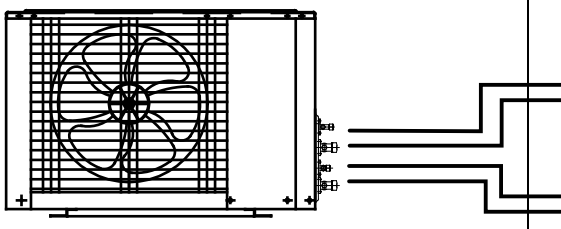

OUTDOOR
INDOOR
COOLING :
AMSH8K8A
A : AWMS 10F
B : AWMS 10F
Double Compressor 2-Indoor
Split System
COMP A
COMP B
A
B
COOLING :
AMSH8K66A
A1 : AWMS 10F
A2 : AWMS 10F
B : AWMS 10F
Double Compressor 3-Indoor
Split System
COMP A
COMP B
A1
A2
B
COOLING :
AMSH66K66A
A1 : AWMS 10F
A2 : AWMS 10F
B1 : AWMS 10F
B2 : AWMS 10F
Double Compressor 4-Indoor
Split System
COMP A
COMP B
A1
A2
B1
B2

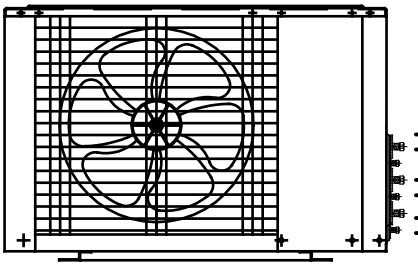
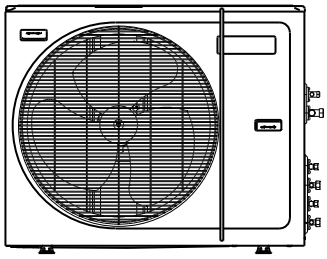
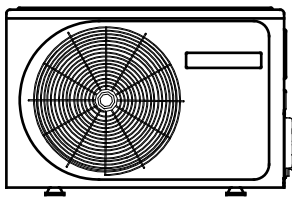
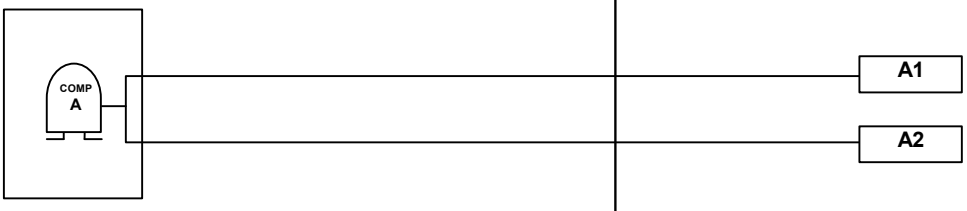
OUTDOOR	INDOOR

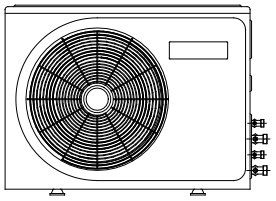
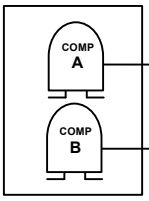
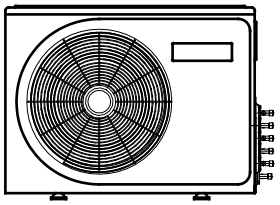
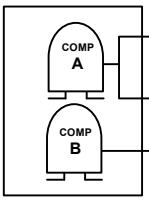
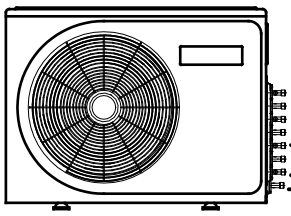
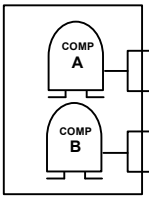
COOLING :
AMSH66K555A

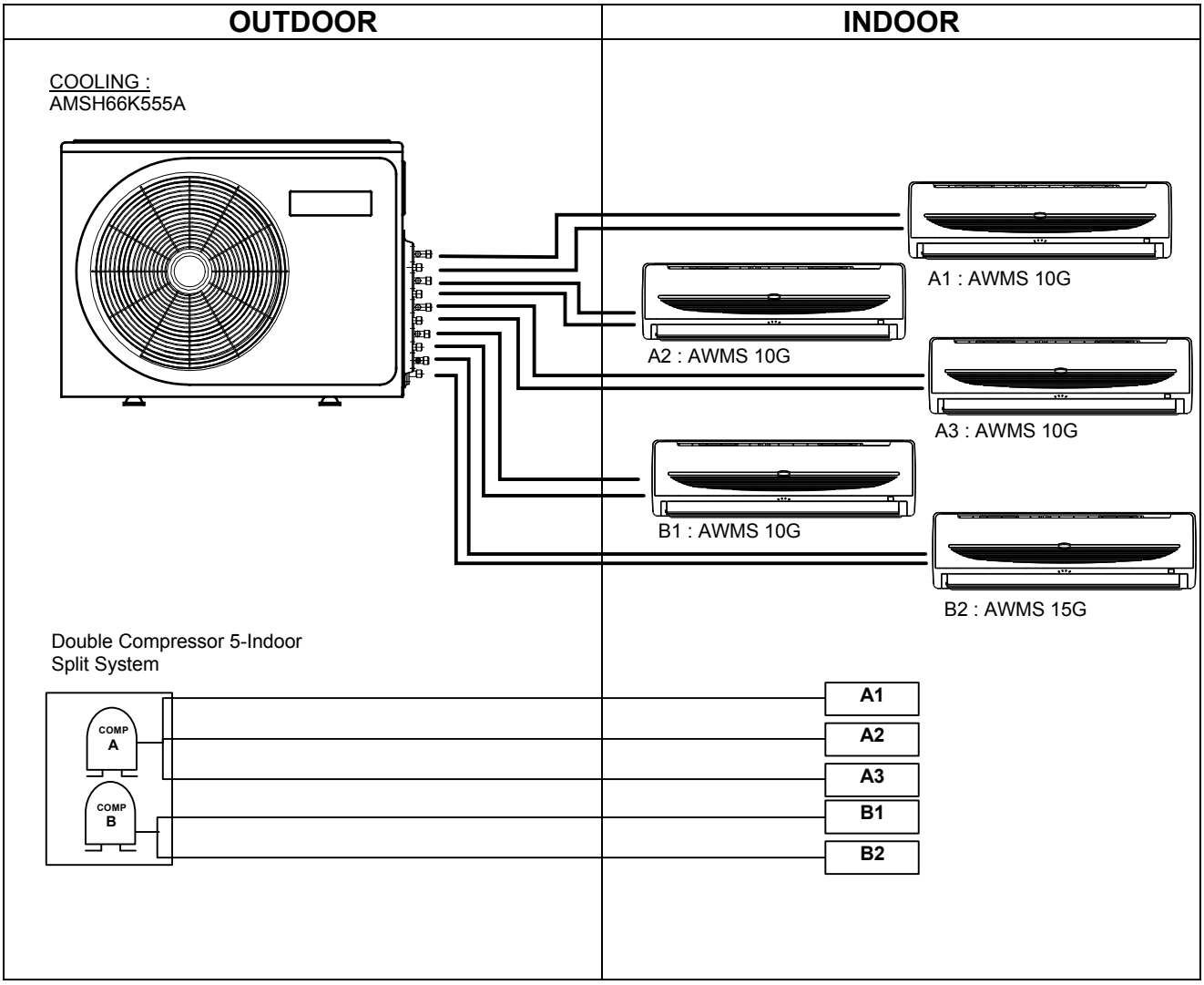


Double Compressor 5-Indoor
Split System

OUTDOOR	INDOOR
 <u>Cooling :</u> AMSD / A4MSD 1010/1015/1515A <u>Heatpump :</u> AMSD / A4MSD 1010/1015/1515AR AMSD 1520AR	
 <u>Cooling :</u> AMSD 1020/1520A	
 <u>Cooling :</u> AMSD 2020A	

OUTDOOR	INDOOR
 Cooling : AMST 101010 / 101015 / 101515 / 151515A AMST 101020A A4MST 101010 / 101015 / 101515 / 151515A/AR	 Cooling : AWMS 10/15G Heatpump : AWMS 10/15GR  Cooling : AWMS 10/15G Heatpump : AWMS 10/15GR  Cooling : AWMS 10/15/20G Heatpump : AWMS 10/15GR
 Cooling : AMST 101025 / 101525 / 151525A	 Cooling : AWMS 10/15G  Cooling : AWMS 10/15G  Cooling : AWMS 25G
COOLING : AMSHK77A  Single Compressor 2-Indoor Split System 	 A1 : AWMS 15G  A2 : AWMS 15G

OUTDOOR	INDOOR
COOLING : AMSH8K8A  Double Compressor 2-Indoor Split System  	 A : AWMS 10G  B : AWMS 10G A B
COOLING : AMSH8K66A  Double Compressor 3-Indoor Split System  	 A1 : AWMS 10G  A2 : AWMS 10G  B : AWMS 10G A1 A2 B
COOLING : AMSH66K66A  Double Compressor 4-Indoor Split System  	 A1 : AWMS 10G  A2 : AWMS 10G  B1 : AWMS 10G  B2 : AWMS 10G A1 A2 B1 B2


OUTDOOR
INDOOR
COOLING :
AMSH66K555A
A1 : AWMS 10G
A2 : AWMS 10G
A3 : AWMS 10G
B1 : AWMS 10G
B2 : AWMS 15G
Double Compressor 5-Indoor
Split System
COMP
A
COMP
B
A1
A2
A3
B1
B2

4. SPECIFICATIONS

AMSD SERIES COOLING ONLY

MODEL		OUTDOOR UNIT		AMSD1010A		AMSD1015A		AMSD1515A	
		INDOOR UNIT		AWMS10F	AWMS10F	AWMS10F	AWMS15F	AWMS15F	AWMS15F
NOMINAL COOLING CAPACITY			kcal/h	2,394		2,394	3,200	3,200	
			W	2,784		2,784	3,722	3,722	
			Btu/h	9,500		9,500	12,700	12,700	
RATED POWER CONSUMPTION		ONE UNIT RUNNING	W	1,018	1,018	1,018	1,459	1,459	1,459
		TWO UNITS RUNNING	W	1,890		2,307		2,758	
RATED RUNNING CURRENT		ONE UNIT RUNNING	A	4.47	4.47	4.47	6.43	6.43	6.43
		TWO UNITS RUNNING	A	8.30		10.18		12.10	
POWER SOURCE			V/Ph/Hz	220 ~ 240 / 1 / 50					
REFRIGERANT / CONTROL				R 22 / OUTDOOR CAPILLARY TUBE					
INDOOR UNIT	FAN	FAN TYPE		ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT					
		AIR FLOW	HIGH	CFM/LPS	300 / 141.6	300 / 141.6	300 / 141.6	300 / 141.6	
			MEDIUM	CFM/LPS	230 / 108.6	230 / 108.6	270 / 127.4	270 / 127.4	
			LOW	CFM/LPS	190 /89.7	190 /89.7	230 / 108.6	230 / 108.6	
		FAN MOTOR			4 POLES X 10W		4 POLES X 12W		
		RATED INPUT POWER		W	25	25	30	30	
		RATED RUNNING CURRENT		A	0.11	0.11	0.13	0.13	
		FAN MOTOR PROTECTION			BUILT IN THERMAL FUSE				
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER				
			DIAMETER	mm/in	7.0 / 0.276				
			THICKNESS	mm/in	0.28 / 0.011				
		FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)				
			THICKNESS	mm/in	0.11 / 0.0043				
			ROW		2				
			FIN PER INCH		18				
		FACE AREA		m^2/ft^2	0.193 / 2.08				
	DIMENSION		HEIGHT	mm/in	290 / 11.4				
			WIDTH	mm/in	815 / 32.1				
			DEPTH	mm/in	179 / 7.0				
	WEIGHT			kg	9.5				
	SOUND PRESSURE LEVEL (H/M/L)			dBA	38 / 34 / 30	38 / 34 / 30	38 / 35 / 31	38 / 35 / 31	
	CONTROL		ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT				
			AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)				
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL				
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.63				
	AIR FILTER				WASHABLE SARANET				
	PACKING DIMENSION		HEIGHT	mm/in	371 / 14.6				
			WIDTH	mm/in	875 / 34.4				
			DEPTH	mm/in	269 / 10.6				
OUTDOOR UNIT	COMP	COMPRESSOR TYPE			ROTARY				
		NUMBER			2				
		CAPACITOR		μF	30	30		30	
		LOCK ROTOR AMP		A	18.9	18.9	25	25	
		PROTECTION DEVICE			OVERLOAD PROTECTION				
	FAN	FAN TYPE / DRIVE			PROPELLER/DIRECT				
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN				
		DIAMETER		mm/in	406.4 / 16				
		RATED RUNNING CURRENT		A	0.72				
		RATED OUTPUT POWER		W	80				
		RATED INPUT POWER		W	170				
		AIR FLOW		CFM/LPS	1400 / 660.8				
	COIL	TUBE	MATERIAL		SEAMLESS BARE COPPER	SEAMLESS INNER GROOVED COPPER			
			DIAMETER	mm/in	9.52 / 3/8				
			THICKNESS	mm/in	0.33 / 0.013				
		FIN	MATERIAL		ALUMINIUM (SLIT FIN TYPE)				
			THICKNESS	mm/in	0.12 / 0.005				
			ROW		2				
			FIN PER INCH		14	16			
		FACE AREA		m^2/ft^2	0.51 / 5.53				
	DIMENSION		HEIGHT	mm/in	646 / 25.4				
			WIDTH	mm/in	840 / 33.1				
			DEPTH	mm/in	330 / 13.0				
	WEIGHT			kg	62	63		64	
	SOUND PRESSURE LEVEL			dBA	56				
	CASING		MATERIAL		GALVANISED MILD STEEL				
			THICKNESS	mm/in	0.8 / 0.031				
			FINISHING		EPOXY-POLYESTER POWDER				
	PIPE	TYPE			FLARE VALVE				
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4	6.35 / 1/4	6.35 / 1/4	
			GAS	mm/in	9.52 / 3/8	9.52 / 3/8	12.7 / 1/2	12.7 / 1/2	
	PACKING DIMENSION		HEIGHT	mm/in	710 / 28.0				
			WIDTH	mm/in	982 / 38.7				
			DEPTH	mm/in	461 / 18.1				
	REFRIGERANT CHARGE			kg	2 x 0.825	0.825	0.850	2 x 0.85	

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ARI 210/240-94
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR
4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.
POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.
5) ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.

AMSD SERIES COOLING ONLY

MODEL		OUTDOOR UNIT		AMSD1020A		AMSD1520A		AMSD2020A	
		INDOOR UNIT		AWMS10F	AWMS20F	AWMS15F	AWMS20F	AWMS20F	AWMS20F
NOMINAL COOLING CAPACITY			kcal/h	2,394	4,536	3,200	4,536	4,536	
			W	2,784	5,275	3,721	5,275	5,275	
			Btu/h	9,500	18,000	12,700	18,000	18,000	
RATED POWER CONSUMPTION		ONE UNIT RUNNING	W	1,018	2,076	1,459	2,076	2,076	2,076
		TWO UNITS RUNNING	W	3,050		3,350		4,150	
RATED RUNNING CURRENT		ONE UNIT RUNNING	A	4.47	10.20	6.43	10.20	10.20	10.20
		TWO UNITS RUNNING	A	14.7		16.2		20.4	
POWER SOURCE			V/Ph/Hz	220 ~ 240 / 1 / 50					
REFRIGERANT / CONTROL				R 22 / OUTDOOR CAPILLARY TUBE					
INDOOR UNIT	FAN	FAN TYPE		ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT					
		AIR FLOW	HIGH	CFM/LPS	300 / 141.6	580 / 273.7	300 / 141.6	580 / 273.7	580 / 273.7
			MEDIUM	CFM/LPS	230 / 108.6	530 / 250.1	270 / 127.4	530 / 250.1	530 / 250.1
			LOW	CFM/LPS	190 /89.7	480 / 226.5	230 / 108.6	480 / 226.5	480 / 226.5
		FAN MOTOR			4 POLES x 10W	4 POLES x 20W	4 POLES x 12W	4 POLES x 20W	4 POLES x 20W
		RATED INPUT POWER		W	25	46	30	46	46
		RATED RUNNING CURRENT		A	0.11	0.19	0.13	0.19	0.19
		FAN MOTOR PROTECTION			BUILT IN THERMAL FUSE				
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER				
			DIAMETER	mm/in	7.0 / 0.276				
			THICKNESS	mm/in	0.28 / 0.011				
		FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)				
			THICKNESS	mm/in	0.11 / 0.0043				
			ROW		2				
			FIN PER INCH		18				
		FACE AREA		m^2/ft^2	0.193/2.08	0.224 / 2.411	0.193/2.08	0.224 / 2.411	0.224 / 2.411
		DIMENSION	HEIGHT	mm/in	290 / 11.4	306 / 12.0	290 / 11.4	306 / 12.0	306 / 12.0
			WIDTH	mm/in	815 / 32.1	1043 / 41.1	815 / 32.1	1043 / 41.1	1043 / 41.1
			DEPTH	mm/in	179 / 7.0	189 / 7.4	179 / 7.0	189 / 7.4	189 / 7.4
		WEIGHT		kg	9.5	14.5	9.5	14.5	14.5
		SOUND PRESSURE LEVEL (H/M/L)		dBA	38 / 34 / 30	45 / 42 / 39	38 / 35 / 31	45 / 42 / 39	45 / 42 / 39
		CONTROL	ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT				
			AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)				
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL				
		CONDENSATE DRAIN SIZE		mm/in	16 / 0.63	20 / 0.79	16 / 0.63	20 / 0.79	20 / 0.79
		AIR FILTER			WASHABLE SARANET FILTER				
		PACKING DIMENSION	HEIGHT	mm/in	371 / 14.6	484 / 19.1	371 / 14.6	484 / 19.1	484 / 19.1
			WIDTH	mm/in	875 / 34.4	1123 / 44.2	875 / 34.4	1123 / 44.2	1123 / 44.2
			DEPTH	mm/in	269 / 10.6	292 / 11.5	269 / 10.6	292 / 11.5	292 / 11.5
OUTDOOR UNIT	COMP	COMPRESSOR TYPE			ROTARY				
		NUMBER			2				
		CAPACITOR		µF	30	45	30	45	45
		LOCK ROTOR AMP		A	18.9	56	25	56	56
		PROTECTION DEVICE			OVERLOAD PROTECTION				
	FAN	FAN TYPE / DRIVE			PROPELLER/DIRECT				
		BLADE MATERIAL			ALUMINIUM ALLOY WITH ELECTRO- DEPOSITED EPOXY &				GLASS REINFORCED
		DIAMETER		mm/in	457.2 / 18				482.6 / 19
		RATED RUNNING CURRENT		A	0.61				0.93
		RATED OUTPUT POWER		W	50				150
		RATED INPUT POWER		W	137				214
		AIR FLOW		CFM/LPS	1400 / 660.8	2400 / 1132.8	1400 / 660.8	2400 / 1132.8	2400 / 1132.8
	COIL	TUBE	MATERIAL		SEAMLESS BARE COPPER				
			DIAMETER	mm/in	9.52 / 3/8				
			THICKNESS	mm/in	0.33 / 0.013				
		FIN	MATERIAL		ALUMINIUM (SLIT FIN TYPE)				
			THICKNESS	mm/in	0.127 / 0.005				
			ROW		3				
			FIN PER INCH		14				
		FACE AREA		m^2/ft^2	0.586 / 6.31				
		DIMENSION	HEIGHT	mm/in	631.7 / 24.9				
			WIDTH	mm/in	960 / 37.8				
			DEPTH	mm/in	437 / 17.2				
		WEIGHT		kg	95		99		106
		SOUND PRESSURE LEVEL		dBA	59		59		61
		CASING	MATERIAL		GALVANISED MILD STEEL				
			THICKNESS	mm/in	1.0 - 1.2 / 0.039 - 0.047				
			FINISHING		EPOXY-POLYESTER POWDER				
		PIPE	TYPE		FLARE VALVE / FITTING				
			LIQUID	mm/in	6.35 / 1/4		6.35 / 1/4		6.35 / 1/4
			GAS	mm/in	9.52 / 3/8	15.88 / 5/8	12.70 / 1/2	15.88 / 5/8	15.88 / 5/8
		PACKING DIMENSION	HEIGHT	mm/in	824 / 32.4				
			WIDTH	mm/in	1194 / 47.0				
			DEPTH	mm/in	611 / 24.1				
		REFRIGERANT CHARGE		kg	1.100	1.600	1.100	1.600	2 x 1.450

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.
2) ALL UNITS ARE BEING TESTED AND COMPLY TO ARI 210/240-94
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR
4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.
POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.
5) ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.

AMSD SERIES HEAT PUMP UNIT

MODEL	OUTDOOR UNIT		AMSD1010AR		AMSD1015AR		AMSD1515AR	
	INDOOR UNIT		AWMS10FR	AWMS10FR	AWMS10FR	AWMS15FR	AWMS15FR	AWMS15FR
NOMINAL COOLING CAPACITY	ONE / TWO UNIT RUNNING	kcal/h	2343 / 2293		2,343	3,024	3024 / 2898	
		W	2726 / 2667		2,726	3,517	3517 / 3370	
		Btu/h	9300 / 9100		9,300	12,000	12000 / 11500	
NOMINAL HEATING CAPACITY	ONE / TWO UNIT RUNNING	kcal/h	2746 / 2696		2,746	3,276	3276 / 3024	
		W	3195 / 3136		3,195	3,810	3810 / 3517	
		Btu/h	10900 / 10700		10,900	13,000	13000 / 12000	
RATED POWER CONSUMPTION (COOLING)	ONE UNIT RUNNING	W	1,000	1,000	1,000	1,240	1,240	1,240
	TWO UNITS RUNNING	W	1,862		2,123		2,472	
RATED POWER CONSUMPTION (HEATING)	ONE UNIT RUNNING	W	1,160	1,160	1,160	1,358	1,358	1,358
	TWO UNITS RUNNING	W	2,046		2,370		2,450	
RATED RUNNING CURRENT (COOLING)	ONE UNIT RUNNING	A	4.50	4.50	4.50	5.59	5.59	5.59
	TWO UNITS RUNNING	A	8.30		9.50		11.18	
RATED RUNNING CURRENT (HEATING)	ONE UNIT RUNNING	A	5.10	5.10	5.10	6.05	6.05	6.05
	TWO UNITS RUNNING	A	9.20		10.40		11.04	
POWER SOURCE		V/Ph/Hz	220 ~ 240 / 1 / 50					
REFRIGERANT / CONTROL			R22 / OUTDOOR CAPILLARY TUBE					
INDOOR UNIT – FAN	FAN TYPE		ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT					
	AIR FLOW – HIGH	CFM/LPS	300 / 141.6		300 / 141.6	300 / 141.6	300 / 141.6	
	AIR FLOW – MEDIUM	CFM/LPS	230 / 108.6		230 / 108.6	270 / 127.4	270 / 127.4	
	AIR FLOW – LOW	CFM/LPS	190 /89.7		190 /89.7	230 / 108.6	230 / 108.6	
	FAN MOTOR		4 POLES X 10W			4 POLES X 12W		
	RATED INPUT POWER	W	25		25	30	30	
	RATED RUNNING CURRENT	A	0.11		0.11	0.13	0.13	
	FAN MOTOR PROTECTION		BUILT IN THERMAL FUSE					
INDOOR UNIT – COIL – TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER					
	DIAMETER	mm/in	7.0 / 0.276					
	THICKNESS	mm/in	0.28 / 0.011					
INDOOR UNIT – COIL – FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)					
	THICKNESS	mm/in	0.11 / 0.0043					
	ROW		2					
	FIN PER INCH		18					
	FACE AREA	m^2/ft^2	0.193 / 2.08					
INDOOR UNIT – DIMENSION	HEIGHT	mm/in	290 / 11.4					
	WIDTH	mm/in	815 / 32.1					
	DEPTH	mm/in	179 / 7.0					
INDOOR UNIT	WEIGHT	kg	9.5					
	SOUND PRESSURE LEVEL (H/M/L)	dBA	38 / 34 / 30		38 / 34 / 30	38 / 35 / 31	38 / 35 / 31	
INDOOR UNIT – CONTROL	ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT					
	AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)					
	OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL					
INDOOR UNIT	CONDENSATE DRAIN SIZE	mm/in	16 / 0.63					
	AIR FILTER		WASHABLE SARANET					
INDOOR UNIT – PACKING DIMENSION	HEIGHT	mm/in	371 / 14.6					
	WIDTH	mm/in	875 / 34.4					
	DEPTH	mm/in	269 / 10.6					
OUTDOOR UNIT – COMP	COMPRESSOR TYPE		ROTARY					
	NUMBER		2					
	CAPACITOR	µF	30		30		30	
	LOCK ROTOR AMP	A	18.9		18.9	25	25	
	PROTECTION DEVICE		OVERLOAD PROTECTION					
OUTDOOR UNIT – FAN	FAN TYPE / DRIVE		PROPELLER/DIRECT					
	BLADE MATERIAL		GLASS REINFORCED ACRLY STYRENE RESIN					
	DIAMETER	mm/in	406.4 / 16					
	RATED RUNNING CURRENT	A	0.72					
	RATED OUTPUT POWER	W	80					
	RATED INPUT POWER	W	170					
	AIR FLOW	CFM/LPS	1400 / 660.8					
OUTDOOR UNIT – COIL – TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER					
	DIAMETER	mm/in	9.52 / 3/8					
	THICKNESS	mm/in	0.33 / 0.013					
OUTDOOR UNIT – COIL – FIN	MATERIAL		ALUMINIUM (SLIT FIN TYPE)					
	THICKNESS	mm/in	0.12 / 0.005					
	ROW		2					
	FIN PER INCH		16					
	FACE AREA	m^2/ft^2	0.51 / 5.53					
OUTDOOR UNIT – DIMENSION	HEIGHT	mm/in	646 / 25.4					
	WIDTH	mm/in	840 / 33.1					
	DEPTH	mm/in	330 / 13.0					
OUTDOOR UNIT	WEIGHT	kg	63		64		65	
	SOUND PRESSURE LEVEL	dBA	56					
OUTDOOR UNIT – CASING	MATERIAL		GALVANISED MILD STEEL					
	THICKNESS	mm/in	0.8 / 0.031					
	FINISHING		EPOXY-POLYESTER POWDER					
OUTDOOR UNIT – PIPE	TYPE		FLARE VALVE					
	SIZE – LIQUID	mm/in	6.35 / 1/4		6.35 / 1/4	6.35 / 1/4	6.35 / 1/4	
	SIZE – GAS	mm/in	9.52 / 3/8		9.52 / 3/8	12.7 / 1/2	12.7 / 1/2	
OUTDOOR UNIT – PACKING DIMENSION	HEIGHT	mm/in	710 / 28.0					
	WIDTH	mm/in	982 / 38.7					
	DEPTH	mm/in	461 / 18.1					
REFRIGERANT CHARGE		kg	2 x 0.775		0.775	0.900	2 x 0.900	

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a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR
b) HEATING - 21.1°C DB / 15.6°C WB INDOOR AND 8.3°C DB / 6.1°C WB OUTDOOR
4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.
POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.
5) ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.

AMSD SERIES HEAT PUMP UNIT

MODEL					AMSD1520AR	
			INDOOR UNIT		AWMS15FR	AWMS20FR
NOMINAL COOLING CAPACITY			ONE / TWO UNIT RUNNING	kcal/h	3024 / 2772	4536 / 4536
				W	3517 / 3224	5275 / 5275
				Btu/h	12000 / 11000	18000 / 18000
NOMINAL HEATING CAPACITY			ONE / TWO UNIT RUNNING	kcal/h	3276 / 3024	5040 / 4788
				W	3810 / 3517	5862 / 5568
				Btu/h	13000 / 12000	20000 / 19000
RATED POWER CONSUMPTION (COOLING)			ONE UNIT RUNNING	W	1,345	2,195
			TWO UNITS RUNNING	W	3,462	
RATED POWER CONSUMPTION (HEATING)			ONE UNIT RUNNING	W	1,378	2,412
			TWO UNITS RUNNING	W	3,477	
RATED RUNNING CURRENT (COOLING)			ONE UNIT RUNNING	A	5.99	11.86
			TWO UNITS RUNNING	A	17.37	
RATED RUNNING CURRENT (HEATING)			ONE UNIT RUNNING	A	6.19	12.96
			TWO UNITS RUNNING	A	17.57	
POWER SOURCE				V/Ph/Hz	220 ~ 240 / 1 / 50	
REFRIGERANT / CONTROL					R22 / OUTDOOR CAPILLARY TUBE	
INDOOR UNIT	FAN	FAN TYPE			ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT	
		AIR FLOW	HIGH	CFM/LPS	300 / 141.6	580 / 273.7
			MEDIUM	CFM/LPS	270 / 127.4	530 / 250.1
			LOW	CFM/LPS	230 / 108.6	480 / 226.5
		FAN MOTOR			4 POLES x 12W	4 POLES x 20W
		RATED INPUT POWER		W	30	40
		RATED RUNNING CURRENT		A	0.13	0.19
		FAN MOTOR PROTECTION			BUILT IN THERMAL FUSE	
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER	
			DIAMETER	mm/in	7.0 / 0.276	
			THICKNESS	mm/in	0.28 / 0.011	
		FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)	
			THICKNESS	mm/in	0.11 / 0.0043	
			ROW		2	
			FIN PER INCH		18	
		FACE AREA		m^2/ft^2	0.193 / 2.08	0.224 / 2.411
		DIMENSION	HEIGHT	mm/in	290 / 11.4	306 / 12.0
			WIDTH	mm/in	815 / 32.1	1043 / 41.1
			DEPTH	mm/in	179 / 7.0	189 / 7.4
	WEIGHT			kg	9.5	14.5
	SOUND PRESSURE LEVEL (H/M/L)			dBA	38 / 35 / 31	45 / 42 / 39
	CONTROL		ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT	
			AIR DISCHARGE		UTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)	
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL	
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.63	20 / 0.79
	AIR FILTER				WASHABLE SARANET	
	PACKING DIMENSION		HEIGHT	mm/in	371 / 14.6	484 / 19.1
			WIDTH	mm/in	875 / 34.4	1123 / 44.2
			DEPTH	mm/in	269 / 10.6	292 / 11.5
OUTDOOR UNIT	COMP	COMPRESSOR TYPE			ROTARY	
		NUMBER			2	
		CAPACITOR		µF	30	45
		LOCK ROTOR AMP		A	25	56
		PROTECTION DEVICE			OVERLOAD PROTECTION	
	FAN	FAN TYPE / DRIVE			PROPELLER/DIRECT	
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
		DIAMETER		mm/in	482.6 / 19	
		RATED RUNNING CURRENT		A	0.98	
		RATED OUTPUT POWER		W	150	
		RATED INPUT POWER		W	222	
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER	
			DIAMETER	mm/in	9.52 / 3/8	
			THICKNESS	mm/in	0.33 / 0.013	
		FIN	MATERIAL		ALUMINIUM (SLIT FIN TYPE)	
			THICKNESS	mm/in	0.12 / 0.005	
			ROW		3	
			FIN PER INCH		14	
		FACE AREA		m^2/ft^2	0.50 / 5.39	
		DIMENSION	HEIGHT	mm/in	631.7 / 24.9	
			WIDTH	mm/in	960.0 / 37.8	
			DEPTH	mm/in	437.0 / 17.2	
	WEIGHT			kg	100	
	SOUND PRESSURE LEVEL			dBA	61	
	CASING		MATERIAL		GALVANISED MILD STEEL	
			THICKNESS	mm/in	0.8 / 0.031	
			FINISHING		EPOXY-POLYESTER POWDER	
	PIPE	TYPE			FLARE VALVE	
		SIZE	LIQUID	mm/in	6.35 / 1/4	6.35 / 1/4
			GAS	mm/in	12.70 / 1/2	15.88 / 5/8
	PACKING DIMENSION		HEIGHT	mm/in	813 / 32.0	
			WIDTH	mm/in	1144 / 45.0	
			DEPTH	mm/in	611 / 24.1	
	REFRIGERANT CHARGE			kg	0.925	1.650

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ARI 210/240-94
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR
b) HEATING - 21.1°C DB / 15.6°C WB INDOOR AND 8.3°C DB / 6.1°C WB OUTDOOR
4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.
POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.
5) ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.

A4MSD SERIES COOLING ONLY(50HZ)+A6

MODEL	INDOOR UNIT			A4MSD1010A		A4MSD1015A		A4MSD1515A	
	OUTDOOR UNIT			AWMS10F	AWMS10F	AWMS10F	AWMS15F	AWMS15F	AWMS15F
NOMINAL			kcal/h	2,268		2,268	3,024	3,024	
COOLING			W	2,638		2,638	3,517	3,517	
CAPACITY			Btu/h	9,000		9,000	12,000	12,000	
RATED POWER	ONE UNIT RUNNING		W	1,035	1,035	1,035	1,566	1,566	1,566
CONSUMPTION	TWO UNITS RUNNING		W	1,900		2,431		2,962	
RATED RUNNING	ONE UNIT RUNNING		A	4.40	4.40	4.40	7.00	7.00	7.00
CURRENT	TWO UNITS RUNNING		A	8.08		10.70		13.28	
POWER SOURCE			V/Ph/Hz	220 ~ 240 / 1 / 50					
REFRIGERANT / CONTROL				R407C / OUTDOOR CAPILLARY TUBE					
INDOOR UNIT	FAN	FAN TYPE		ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT					
		AIR FLOW	HIGH	CFM/LPS	300 / 141.6	300 / 141.6	300 / 141.6	300 / 141.6	
			MEDIUM	CFM/LPS	230 / 108.6	230 / 108.6	270 / 127.4	270 / 127.4	
			LOW	CFM/LPS	190 /89.7	190 /89.7	230 / 108.6	230 / 108.6	
		FAN MOTOR			4 POLES X 10W		4 POLES X 12W		
		RATED INPUT POWER		W	25	25	30	30	
		RATED RUNNING CURRENT		A	0.11	0.11	0.13	0.13	
		FAN MOTOR PROTECTION			BUILT IN THERMAL FUSE				
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER				
			DIAMETER	mm/in	7.0 / 0.276				
			THICKNESS	mm/in	0.28 / 0.011				
		FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)				
			THICKNESS	mm/in	0.11 / 0.0043				
			ROW		2				
			FIN PER INCH		18				
		FACE AREA		m^2/ft^2	0.193 / 2.08				
	DIMENSION		HEIGHT	mm/in	290 / 11.4				
			WIDTH	mm/in	815 / 32.1				
			DEPTH	mm/in	179 / 7.0				
	WEIGHT			kg	9.5				
	SOUND PRESSURE LEVEL (H/M/L)			dBA	38 / 34 / 30	38 / 34 / 30	38 / 35 / 31	38 / 35 / 31	
	CONTROL	ROOM TEMPERATURE			MICROCOMPUTER CONTROLLED THERMOSTAT				
		AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)				
		OPERATION			LCD WIRELESS MICRO COMPUTER REMOTE CONTROL				
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.63				
	AIR FILTER				WASHABLE SARANET				
	PACKING DIMENSION	HEIGHT		mm/in	371 / 14.6				
		WIDTH		mm/in	875 / 34.4				
		DEPTH		mm/in	269 / 10.6				
OUTDOOR UNIT	COMP	COMPRESSOR TYPE			ROTARY				
		NUMBER			2				
		CAPACITOR		μF	30				
		LOCK ROTOR AMP		A	20		32		
		PROTECTION DEVICE			OVERLOAD PROTECTION				
		POWER SOURCE		V/Ph/Hz	220 ~ 240 / 1 / 50				
	FAN	FAN TYPE / DRIVE			PROPELLER/DIRECT				
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN				
		DIAMETER		mm/in	406.4 / 16				
		RATED RUNNING CURRENT		A	0.72				
		RATED OUTPUT POWER		W	80				
		RATED INPUT POWER		W	170				
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER				
			DIAMETER	mm/in	9.52 / 3/8				
			THICKNESS	mm/in	0.33 / 0.013				
		FIN	MATERIAL		ALUMINIUM (SLIT FIN TYPE)				
			THICKNESS	mm/in	0.12 / 0.005				
			ROW		2				
			FIN PER INCH		16				
		FACE AREA		m^2/ft^2	0.51 / 5.53				
	DIMENSION		HEIGHT	mm/in	646 / 25.4				
			WIDTH	mm/in	840 / 33.1				
			DEPTH	mm/in	330 / 13				
	WEIGHT			kg	62	63		64	
	SOUND PRESSURE LEVEL			dBA	54				
	CASING	MATERIAL			GALVANISED MILD STEEL				
		THICKNESS		mm/in	0.8 / 0.031				
		FINISHING			EPOXY-POLYESTER POWDER				
	PIPE	TYPE			FLARE VALVE				
		SIZE	LIQUID	mm/in	6.35 / 1/4		6.35 / 1/4		
			GAS	mm/in	9.52 / 3/8		12.7 / 1/2		
	PACKING DIMENSION	HEIGHT		mm/in	710 / 28.0				
		WIDTH		mm/in	982 / 38.7				
		DEPTH		mm/in	461 / 18.1				
	REFRIGERANT CHARGE			kg	2 x 0.750	0.750	0.800	2 x 0.800	

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ARI 210/240-94
3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR
4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.
POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.
5) ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.

A4MSD SERIES HEAT PUMP UNIT

			OUTDOOR UNIT		A4MSD1010AR		A4MSD1015AR		A4MSD1515AR	
MODEL			INDOOR UNIT		AWMS10FR	AWMS10FR	AWMS10FR	AWMS15FR	AWMS15FR	AWMS15FR
NOMINAL COOLING CAPACITY			ONE / TWO UNIT RUNNING	kcal/h	2268 / 2268		2268 / 2268	2772 / 2646	2772 / 2646	
				W	2638 / 2268		2638 / 2638	3224 / 3077	3224 / 3077	
				Btu/h	9000 / 9000		9000 / 9000	11000 / 10500	11000 / 10500	
NOMINAL HEATING CAPACITY			ONE / TWO UNIT RUNNING	kcal/h	2394 / 2668		2394 / 2668	3024 / 2898	3024 / 2898	
				W	2784 / 2638		2784 / 2638	3517 / 3370	3517 / 3370	
				Btu/h	9500 / 9000		9500 / 9000	12000 / 11500	12000 / 11500	
RATED POWER CONSUMPTION (COOLING)			ONE UNIT RUNNING	W	994	994	994	1466	1466	1466
			TWO UNITS RUNNING	W	1914		2365		2818	
RATED POWER CONSUMPTION (HEATING)			ONE UNIT RUNNING	W	992	992	992	1476	1476	1476
			TWO UNITS RUNNING	W	1820		2245		2672	
RATED RUNNING CURRENT (COOLING)			ONE UNIT RUNNING	A	4.21	4.21	4.21	6.71	6.71	6.71
			TWO UNITS RUNNING	A	8.14		10.52		12.9	
RATED RUNNING CURRENT (HEATING)			ONE UNIT RUNNING	A	4.21	4.21	4.21	6.71	6.71	6.71
			TWO UNITS RUNNING	A	7.74		10.02		12.3	
POWER SOURCE				V/Ph/Hz	220 ~ 240 / 1 / 50					
REFRIGERANT / CONTROL					R407C / OUTDOOR CAPILLARY TUBE					
INDOOR UNIT	FAN	FAN TYPE			ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT					
		AIR FLOW	HIGH	CFM/LPS	300 / 141.6		300 / 141.6	300 / 141.6	300 / 141.6	
			MEDIUM	CFM/LPS	230 / 108.6		230 / 108.6	270 / 127.4	270 / 127.4	
			LOW	CFM/LPS	190 /89.7		190 /89.7	230 / 108.6	230 / 108.6	
		FAN MOTOR			4 POLES X 10W			4 POLES X 12W		
		RATED INPUT POWER		W	25		25	30	30	
		RATED RUNNING CURRENT		A	0.11		0.11	0.13	0.13	
		FAN MOTOR PROTECTION			BUILT IN THERMAL FUSE					
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER					
			DIAMETER	mm/in	7.0 / 0.276					
			THICKNESS	mm/in	0.28 / 0.011					
		FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)					
			THICKNESS	mm/in	0.11 / 0.0043					
			ROW		2					
			FIN PER INCH		18					
		FACE AREA		m^2/ft^2	0.193 / 2.08					
		DIMENSION	HEIGHT	mm/in	290 / 11.4					
			WIDTH	mm/in	815 / 32.1					
			DEPTH	mm/in	179 / 7.0					
		WEIGHT		kg	9.5					
		SOUND PRESSURE LEVEL (H/M/L)		dBA	38 / 34 / 30		38 / 34 / 30	38 / 35 / 31	38 / 35 / 31	
		CONTROL	ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT					
			AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)					
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL					
		CONDENSATE DRAIN SIZE		mm/in	16 / 0.63					
		AIR FILTER			WASHABLE SARANET					
		PACKING DIMENSION	HEIGHT	mm/in	371 / 14.6					
			WIDTH	mm/in	875 / 34.4					
			DEPTH	mm/in	269 / 10.6					
OUTDOOR UNIT	COMP	COMPRESSOR TYPE			ROTARY					
		NUMBER			2					
		CAPACITOR		µF	30			30		
		LOCK ROTOR AMP		A	20			32		
		PROTECTION DEVICE			OVERLOAD PROTECTION					
	FAN	FAN TYPE / DRIVE			PROPELLER/DIRECT					
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN					
		DIAMETER		mm/in	406.4 / 16					
		RATED RUNNING CURRENT		A	0.72					
		RATED OUTPUT POWER		W	80					
		RATED INPUT POWER		W	170					
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER					
			DIAMETER	mm/in	9.52 / 3/8					
			THICKNESS	mm/in	0.33 / 0.013					
		FIN	MATERIAL		ALUMINIUM (SLIT FIN TYPE)					
			THICKNESS	mm/in	0.12 / 0.005					
			ROW		2					
			FIN PER INCH		16					
		FACE AREA		m^2/ft^2	0.51 / 5.53					
		DIMENSION	HEIGHT	mm/in	646 / 25.4					
			WIDTH	mm/in	840 / 33.1					
			DEPTH	mm/in	330 / 13.0					
		WEIGHT		kg	63		64		65	
		SOUND PRESSURE LEVEL		dBA	54					
		CASING	MATERIAL		GALVANISED MILD STEEL					
			THICKNESS	mm/in	0.8 / 0.031					
			FINISHING		EPOXY-POLYESTER POWDER					
	PIPE	TYPE			FLARE VALVE					
		SIZE	LIQUID	mm/in	6.35 / 1/4			6.35 / 1/4		
			GAS	mm/in	9.52 / 3/8			12.7 / 1/2		
		PACKING DIMENSION	HEIGHT	mm/in	710 / 28.0					
			WIDTH	mm/in	982 / 38.7					
			DEPTH	mm/in	461 / 18.1					
		REFRIGERANT CHARGE		kg	2 x 0.725		0.750	0.800	2 x 0.800	

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3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR
b) HEATING - 21.1°C DB / 15.6°C WB INDOOR AND 8.3°C DB / 6.1°C WB OUTDOOR
4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.
POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.
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AMST SERIES COOLING ONLY

MODEL			OUTDOOR UNIT		AMST101010A	AMST101015A		AMST101515A			AMST151515A
			INDOOR UNIT		3 x AWMS10F	2 x AWMS10F	AWMS15F	AWMS10F	2 x AWMS15F		3 x AWMS15F
NOMINAL COOLING CAPACITY				kcal/h	3 x 2394	2 x 2394	3,200	2,394	2 x 3,200		3 x 3200
				W	3 x 2784	2 x 2784	3,721	2,784	2 x 3,721		3 x 3721
				Btu/h	3 x 9500	2 x 9500	12,700	9,500	2 x 12,700		3 x 12700
RATED TOTAL POWER CONSUMPTION				W	2,616	3,136		3,656			4,176
RATED TOTAL RUNNING CURRENT				A	11.1	13.6		16.0			18.4
POWER SOURCE				V/Ph/Hz	220 ~ 240 / 1 / 50						
REFRIGERANT / CONTROL					R22 / OUTDOOR CAPILLARY TUBE						
INDOOR UNIT	FAN	FAN TYPE			ANTI FUNGUS CROSS FLOW FAN						
		AIR FLOW	HIGH	CFM/LPS	300 / 141.6	300 / 141.6	300 / 141.6	300 / 141.6	300 / 141.6		300 / 141.6
			MEDIUM	CFM/LPS	230 / 108.6	230 / 108.6	270 / 127.4	230 / 108.6	270 / 127.4		270 / 127.4
			LOW	CFM/LPS	190 /89.7	190 /89.7	230 / 108.6	190 /89.7	230 / 108.6		230 / 108.6
		FAN MOTOR			4 POLES x 10W		4 POLES x 12W	4 POLES x 10W	4 POLES x 12W		
		INPUT POWER		W	25		30	25	30		
		RUNNING CURRENT		A	0.11		0.13	0.11	0.13		
		FAN MOTOR PROTECTION			BUILT IN THERMAL FUSE						
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER						
			DIAMETER	mm/in	7.0 / 0.276						
			THICKNESS	mm/in	0.28 / 0.011						
		FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)						
			THICKNESS	mm/in	0.11 / 0.0043						
			ROW		2						
			FIN PER INCH		18						
		FACE AREA		m^2/ft^2	0.193 / 2.08						
		DIMENSION	HEIGHT	mm/in	290 / 11.4						
			WIDTH	mm/in	815 / 32.1						
			DEPTH	mm/in	179 / 7.0						
		WEIGHT		kg	9.5						
		SOUND PRESSURE LEVEL (H/M/L)		dBA	38 / 34 / 30		38 / 35 / 31	38 / 34 / 30	38 / 35 / 31		
		CONTROL	ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT						
			AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)						
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL						
		CONDENSATE DRAIN SIZE		mm/in	16 / 0.63						
		AIR FILTER			WASHABLE SARANET						
		PACKING DIMENSION	HEIGHT	mm/in	371 / 14.6						
			WIDTH	mm/in	875 / 34.4						
			DEPTH	mm/in	269 / 10.6						
OUTDOOR UNIT	COMP	COMPRESSOR TYPE			ROTARY						
		NUMBER			3						
		CAPACITOR		μF	30						
		LOCK ROTOR AMP		A	18.9		25	18.9	25		
		INPUT POWER		W				771	1290 / 1290		
		PROTECTION DEVICE			OVERLOAD PROTECTION						
	FAN	FAN TYPE / DRIVE			PROPELLER / DIRECT						
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN						
		DIAMETER		mm/in	482.6 / 19						
		RATED RUNNING CURRENT		A	0.92						
		RATED OUTPUT POWER		W	150						
		RATED INPUT POWER		W	228						
	COIL	TUBE	MATERIAL		SEAMLESS BARE COPPER						
			DIAMETER	mm/in	9.52 / 3/8						
			THICKNESS	mm/in	0.33 / 0.013						
		FIN	MATERIAL		ALUMINIUM (SLIT FIN TYPE)						
			THICKNESS	mm/in	0.12 / 0.005						
			ROW		3						
			FIN PER INCH		14						
		FACE AREA		m^2/ft^2	0.50 / 5.39						
		DIMENSION	HEIGHT	mm/in	631.7 / 24.9						
			WIDTH	mm/in	960 / 37.8						
			DEPTH	mm/in	437 / 17.2						
		WEIGHT		kg	97	101		105			109
		SOUND PRESSURE LEVEL		dBA	61	61		62			62
		CASING	MATERIAL		GALVANISED MILD STEEL						
			THICKNESS	mm/in	1.0 - 1.2 / 0.039 - 0.047						
			FINISHING		EPOXY POLYESTER POWDER						
	PIPE	TYPE			FLARE VALVE						
		SIZE	LIQUID	mm/in	6.35 / 1/4						
			GAS	mm/in	9.52 / 3/8		12.7 / 1/2	9.52 / 3/8	12.7 / 1/2		
		PACKING DIMENSION	HEIGHT	mm/in	824 / 32.4						
			WIDTH	mm/in	1,194 / 47.0						
			DEPTH	mm/in	611 / 24.1						
		REFRIGERANT CHARGE		kg	3 x 0.800	2 x 0.800	0.825	0.800	2 x 0.825		3 x 0.825

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3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:

a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR

4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.

POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.

5) ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.

AMST SERIES COOLING ONLY

MODEL			**OUTDOOR UNIT**		AMST101025A		AMST101525A			AMST151525A
			INDOOR UNIT		2 x AWMS10F	AWMS25F	AWMS10F	AWMS15F	AWMS25F	2 x AWMS15F
NOMINAL				**kcal/h**	2 x 2,394	5,796	2,394	3,024	5,796	3,024
COOLING				**W**	2 x 2,784	6,741	2,784	3,517	6,741	3,517
CAPACITY				**Btu/h**	2 x 9,500	23,000	9,500	12,000	23,000	12,000
RATED TOTAL POWER CONSUMPTION				**W**	3,142		4,749			
RATED TOTAL RUNNING CURRENT				**A**	13.7		22.5			
POWER SOURCE				**V/Ph/Hz**	220 ~ 240 / 1 / 50					
REFRIGERANT / CONTROL					R22 / OUTDOOR CAPILLARY TUBE					
INDOOR UNIT	**FAN**	**FAN TYPE**			ANTI FUNGUS CROSS FLOW FAN					
		AIR FLOW	**HIGH**	**CFM/LPS**	300 / 141.6	660 / 311.5	300 / 141.6	300 / 141.6	660 / 311.5	300 / 141.6
			MEDIUM	**CFM/LPS**	230 / 108.6	580 / 273.7	230 / 108.6	270 / 127.4	580 / 273.7	270 / 127.4
			LOW	**CFM/LPS**	190 /89.7	500 / 236.0	190 /89.7	230 / 108.6	500 / 236.0	230 / 108.6
		FAN MOTOR			4 POLES x 10W	4 POLES x 25W	4 POLES x 10W	4 POLES x 12W	4 POLES x 25W	4 POLES x 12W
		INPUT POWER		**W**	25	69	25	30	69	30
		RUNNING CURRENT		**A**	0.11	0.29	0.11	0.13	0.29	0.13
		FAN MOTOR PROTECTION			BUILT IN THERMAL FUSE					
	COIL	**TUBE**	**MATERIAL**		SEAMLESS INNER GROOVED COPPER					
			DIAMETER	**mm/in**	7.0 / 0.276					
			THICKNESS	**mm/in**	0.28 / 0.011					
		FIN	**MATERIAL**		ALUMINIUM (HYDROPHILIC SLIT FIN)					
			THICKNESS	**mm/in**	0.11 / 0.0043					
			ROW		2	2	2		2	2
			FIN PER INCH		18	18	18		18	18
		FACE AREA		**m^2/ft^2**	0.193 / 2.08	0.254 / 2.733	0.193 / 2.08		0.254 / 2.733	0.193 / 2.08
		DIMENSION	**HEIGHT**	**mm/in**	290 / 11.4	306 / 12.0	290 / 11.4		306 / 12.0	290 / 11.4
			WIDTH	**mm/in**	815 / 32.1	1062 / 41.8	815 / 32.1		1062 / 41.8	815 / 32.1
			DEPTH	**mm/in**	179 / 7.0	202 / 8.0	179 / 7.0		202 / 8.0	179 / 7.0
		WEIGHT		**kg**	9.5	16	9.5		16	9.5
		SOUND PRESSURE LEVEL (H/M/L)		**dBA**	38 / 34 / 30	47 / 44 / 42	38 / 34 / 30		47 / 44 / 42	38 / 34 / 30
		CONTROL	**ROOM TEMPERATURE**		MICROCOMPUTER CONTROLLED THERMOSTAT					
			AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)					
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL					
		CONDENSATE DRAIN SIZE		**mm/in**	16 / 0.63	20 / 0.79	16 / 0.63		20 / 0.79	16 / 0.63
		AIR FILTER			WASHABLE SARANET					
		PACKING DIMENSION	**HEIGHT**	**mm/in**	371 / 14.6	484 / 19.1	371 / 14.6		484 / 19.1	371 / 14.6
			WIDTH	**mm/in**	875 / 34.4	1123 / 44.2	875 / 34.4		1123 / 44.2	875 / 34.4
			DEPTH	**mm/in**	269 / 10.6	292 / 11.5	269 / 10.6		292 / 11.5	269 / 10.6
OUTDOOR UNIT	**COMP**	**COMPRESSOR TYPE**			ROTARY					
		NUMBER			3					
		CAPACITOR		**µF**	30 / 30	50	30	30	50	30 / 30
		LOCK ROTOR AMP		**A**	18.9	70	18.9	18.9	70	25 / 25
		INPUT POWER		**W**	823	2430	745	1250	2430	1250
		PROTECTION DEVICE			OVERLOAD PROTECTION					
	FAN	**FAN TYPE / DRIVE**			PROPELLER / DIRECT					
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN					
		DIAMETER		**mm/in**	610 / 24					
		RATED RUNNING CURRENT		**A**	1.1					
		RATED OUTPUT POWER		**W**	145					
		RATED INPUT POWER		**W**	241					
	COIL	**TUBE**	**MATERIAL**		SEAMLESS COPPER					
			DIAMETER	**mm/in**	9.52 / 3/8					
			THICKNESS	**mm/in**	0.35 / 0.014					
		FIN	**MATERIAL**		ALUMINIUM (SLIT FIN TYPE)					
			THICKNESS	**mm/in**	0.127 / 0.005					
			ROW		2					
			FIN PER INCH		16					
		FACE AREA		**m^2/ft^2**	0.87 / 9.33					
		DIMENSION	**HEIGHT**	**mm/in**	850 / 33.46					
			WIDTH	**mm/in**	1030 / 40.55					
			DEPTH	**mm/in**	400 / 15.75					
		WEIGHT		**kg**	117		120			123
		SOUND PRESSURE LEVEL		**dBA**	57					
		CASING	**MATERIAL**		GALVANISED MILD STEEL					
			THICKNESS	**mm/in**	0.8 / 0.031					
			FINISHING		EPOXY POLYESTER POWDER					
	PIPE	**TYPE**			FLARE VALVE					
		SIZE	**LIQUID**	**mm/in**	6.35 / 1/4	9.52 / 3/8	6.35 / 1/4	6.35 / 1/4	9.52 / 3/8	6.35 / 1/4
			GAS	**mm/in**	9.52 / 3/8	15.88 / 5/8	9.52 / 3/8	12.7 / 1/2	15.88 / 5/8	12.7 / 1/2
		PACKING DIMENSION	**HEIGHT**	**mm/in**	1000 / 39.37					
			WIDTH	**mm/in**	1200 / 47.24					
			DEPTH	**mm/in**	560 / 22.05					
		REFRIGERANT CHARGE		**kg**	2 x 0.740	1.440	0.740	0.870	1.440	2 x 0.870

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3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:

a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR

4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.

POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.

5) ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.

A4MST SERIES COOLING ONLY

MODEL			OUTDOOR UNIT		A4MST101010A	A4MST101015A		A4MST101515A		A4MST151515A
			INDOOR UNIT		3 x AWMS10F	2 x AWMS10F	AWMS15F	AWMS10F	2 x AWMS15F	3 x AWMS15F
NOMINAL				kcal/h	3 x 2268	2 x 2268	3024	2268	2 x 3024	3 x 3024
COOLING				W	3 X 2638	2 X 2638	3517	2638	2 x 3517	3 x 3517
CAPACITY				Btu/h	3 X 9000	2 X 9000	12000	9000	2 x 12000	3 x 12000
RATED TOTAL POWER CONSUMPTION				W	2580	3107		3634		4161
RATED TOTAL RUNNING CURRENT				A	11.1	13.8		16.5		19.0
POWER SOURCE				V/Ph/Hz	220 ~ 240/1/50					
REFRIGERANT / CONTROL					R407C / CAPILLARY TUBE					
INDOOR UNIT	FAN	FAN TYPE			ANTI FUNGUS CROSS FLOW FAN					
		AIR FLOW	HIGH	CFM/LPS	300 / 141.6	300 / 141.6	300 / 141.6	300 / 141.6	300 / 141.6	300 / 141.6
			MEDIUM	CFM/LPS	230 / 108.6	230 / 108.6	270 / 127.4	230 / 108.6	270 / 127.4	270 / 127.4
			LOW	CFM/LPS	190 /89.7	190 /89.7	230 / 108.6	190 /89.7	230 / 108.6	230 / 108.6
		FAN MOTOR			4 POLES x 10W	4 POLES x 10W	4 POLES x 12W	4 POLES x 10W	4 POLES x 12W	4 POLES x 12W
		INPUT POWER		W	25	25	30	25	30	30
		RUNNING CURRENT		A	0.11	0.11	0.13	0.11	0.13	0.13
		FAN MOTOR PROTECTION			BUILT IN THERMAL FUSE					
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER					
			DIAMETER	mm/in	7.0 / 0.276					
			THICKNESS	mm/in	0.28 / 0.011					
		FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)					
			THICKNESS	mm/in	0.11 / 0.0043					
			ROW		2					
			FIN PER INCH		18					
		FACE AREA		m^2/ft^2	0.193 / 2.08					
	DIMENSION		HEIGHT	mm/in	290 / 11.4					
			WIDTH	mm/in	815 / 32.1					
			DEPTH	mm/in	179 / 7.0					
	WEIGHT			kg	9.5					
	SOUND PRESSURE LEVEL (H/M/L)			dBA	38 / 34 / 30	38 / 34 / 30	38 / 35 / 31	38 / 34 / 30	38 / 35 / 31	38 / 35 / 31
	CONTROL		ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT					
			AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)					
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL					
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.63					
	AIR FILTER				WASHABLE SARANET					
	PACKING DIMENSION		HEIGHT	mm/in	371 / 14.6					
			WIDTH	mm/in	875 / 34.4					
			DEPTH	mm/in	269 / 10.6					
OUTDOOR UNIT	COMP	COMPRESSOR TYPE			ROTARY					
		NUMBER			3					
		CAPACITOR		μF	30					
		LOCK ROTOR AMP		A	20	20	25	20	25	25
		INPUT POWER		W	758	758	1281	758	1281	1281
		PROTECTION DEVICE			OVERLOAD PROTECTION					
	FAN	FAN TYPE / DRIVE			PROPELLER / DIRECT					
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN					
		DIAMETER		mm/in	482.6 / 19					
		RATED RUNNING CURRENT		A	0.98					
		MOTOR OUTPUT		W	150					
		RATED INPUT POWER		W	230					
		AIR FLOW		CFM/LPS	2400 / 1133					
	COIL	TUBE	MATERIAL		SEAMLESS COPPER					
			DIAMETER	mm/in	9.52 / 3/8					
			THICKNESS	mm/in	0.33 / 0.013					
		FIN	MATERIAL		ALUMINIUM (SLIT FIN TYPE)					
			THICKNESS	mm/in	0.12 / 0.005					
			ROW		3					
			FIN PER INCH		14					
		FACE AREA		m^2/ft^2	0.50 / 5.39					
	DIMENSION		HEIGHT	mm/in	631.7 / 24.9					
			WIDTH	mm/in	960 / 37.8					
			DEPTH	mm/in	437 / 17.2					
	WEIGHT			kg	97	101		105		109
	SOUND PRESSURE LEVEL			dBA	61					
	CASING		MATERIAL		GALVANISED MILD STEEL					
			THICKNESS	mm/in	1.0 - 1.2 / 0.039 - 0.047					
			FINISHING		EPOXY POLYESTER POWDER					
	PIPE	TYPE			FLARE VALVE					
		SIZE	LIQUID	mm/in	6.35 / 1/4					
			GAS	mm/in	9.52 / 3/8	9.52 / 3/8	12.7 / 1/2	9.52 / 3/8	12.7 / 1/2	12.7 / 1/2
	PACKING DIMENSION		HEIGHT	mm/in	824 / 32.4					
			WIDTH	mm/in	1194 / 47.0					
			DEPTH	mm/in	611 / 24.1					
	REFRIGERANT CHARGE			kg	3 x 0.750	2 x 0.750	0.775	0.750	2 x 0.775	3 x 0.775

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2) ALL UNITS ARE BEING TESTED AND COMPLY TO ARI 210/240-94

3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:

a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR

4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.

POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.

5) ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.

A4MST-AR SERIES HEATPUMP

MODEL			OUTDOOR UNIT		A4MST101010AR	A4MST101015AR		A4MST101515AR		A4MST151515AR
			INDOOR UNIT		3 x AWMS10FR	2 x AWMS10FR	AWMS15FR	AWMS10FR	2 x AWMS15FR	3 x AWMS15FR
NOMINAL				kcal/h	3 x 2268	2 x 2268	3024	2268	2 x 3024	3 x 3024
COOLING				W	3 x 2638	2 x 2638	3517	2638	2 x 3517	3 x 3517
CAPACITY				Btu/h	3 x 9000	2 x 9000	12000	9000	2 x 12000	3 x 12000
NOMINAL				kcal/h	3 x 2268	2 x 2268	2772	2268	2 x 2772	3 x 2772
HEATING				W	3 x 2638	2 x 2638	3224	2638	2 x 3224	3 x 3224
CAPACITY				Btu/h	3 x 9000	2 x 9000	11000	9000	2 x 11000	3 x 11000
RATED TOTAL POWER CONSUMPTION (COOLING)				W	2691	3069		3759		3825
RATED TOTAL POWER CONSUMPTION (HEATING)				W	2439	2773		3314		3441
RATED TOTAL RUNNING CURRENT (COOLING)				A	11.7	13.7		16.7		17.7
RATED TOTAL RUNNING CURRENT (HEATING)				A	10.6	12.9		15.7		17.1
POWER SOURCE				V/Ph/Hz	220 ~ 240 / 1 / 50					
REFRIGERANT					R407C / OUTDOOR CAPILLARY TUBE					
INDOOR UNIT	FAN	FAN TYPE			ANTI FUNGUS CROSS FLOW FAN					
		AIR FLOW	HIGH	CFM/LPS	300 / 141.6	300 / 141.6	300 / 141.6	300 / 141.6	300 / 141.6	300 / 141.6
			MEDIUM	CFM/LPS	230 / 108.6	230 / 108.6	270 / 127.4	230 / 108.6	270 / 127.4	270 / 127.4
			LOW	CFM/LPS	190 /89.7	190 /89.7	230 / 108.6	190 /89.7	230 / 108.6	230 / 108.6
		FAN MOTOR			4 POLES x 10W	4 POLES x 10W	4 POLES x 12W	4 POLES x 10W	4 POLES x 12W	4 POLES x 12W
		INPUT POWER		W	25	25	30	25	30	30
		RUNNING CURRENT		A	0.11	0.11	0.13	0.11	0.13	0.13
		FAN MOTOR PROTECTION			BUILT IN THERMAL FUSE					
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER					
			DIAMETER	mm/in	7.0 / 0.276					
			THICKNESS	mm/in	0.28 / 0.011					
		FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)					
			THICKNESS	mm/in	0.11 / 0.0043					
			ROW		2					
			FIN PER INCH		18					
		FACE AREA		m^2/ft^2	0.193 / 2.08					
		DIMENSION	HEIGHT	mm/in	290 / 11.4					
			WIDTH	mm/in	815 / 32.1					
			DEPTH	mm/in	179 / 7.0					
		WEIGHT		kg	9.5					
		SOUND PRESSURE LEVEL (H/M/L)		dBA	38 / 34 / 30	38 / 34 / 30	38 / 35 / 31	38 / 34 / 30	38 / 35 / 31	38 / 35 / 31
		CONTROL	ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT					
			AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)					
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL					
		CONDENSATE DRAIN SIZE		mm/in	16 / 0.63					
		AIR FILTER			WASHABLE SARANET					
		OPTIONAL AIR FILTER			DUAL ACTION ELECTROSTATIC AIR PURIFYING AND DEODORIZING FILTER					
		PACKING DIMENSION	HEIGHT	mm/in	371 / 14.6					
			WIDTH	mm/in	875 / 34.4					
			DEPTH	mm/in	269 / 10.6					
OUTDOOR UNIT	COMP	COMPRESSOR TYPE			ROTARY					
		NUMBER			3					
		CAPACITOR		μF	30					
		LOCK ROTOR AMP		A	20	20	25	20	25	25
		INPUT POWER (cooling / heating)		W	796 / 712	796 / 712	1169 / 1041	796 / 712	1169 / 1041	1169 / 1041
		PROTECTION DEVICE			OVERLOAD PROTECTION					
	FAN	FAN TYPE / DRIVE			PROPELLER / DIRECT					
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN					
		DIAMETER		mm/in	482.6 / 19					
		RATED RUNNING CURRENT		A	0.98					
		MOTOR OUTPUT		W	150					
		RATED INPUT POWER		W	228					
		AIR FLOW		CFM/LPS	2400 / 1133					
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER					
			DIAMETER	mm/in	9.52 / 3/8					
			THICKNESS	mm/in	0.33 / 0.013					
		FIN	MATERIAL		ALUMINIUM (SLIT FIN TYPE)					
			THICKNESS	mm/in	0.12 / 0.005					
			ROW		3					
			FIN PER INCH		14					
		FACE AREA		m^2/ft^2	0.50 / 5.39					
		DIMENSION	HEIGHT	mm/in	631.7 / 24.9					
			WIDTH	mm/in	960 / 37.8					
			DEPTH	mm/in	437 / 17.2					
		WEIGHT		kg	97	101		105		109
		SOUND PRESSURE LEVEL		dBA	66					
		CASING	MATERIAL		GALVANISED MILD STEEL					
			THICKNESS	mm/in	1.0 - 1.2 / 0.039 - 0.047					
			FINISHING		EPOXY POLYESTER POWDER					
	PIPE	TYPE			FLARE VALVE					
		SIZE	LIQUID	mm/in	6.35 / 1/4					
			GAS	mm/in	9.52 / 3/8	9.52 / 3/8	12.7 / 1/2	9.52 / 3/8	12.7 / 1/2	12.7 / 1/2
		PACKING DIMENSION	HEIGHT	mm/in	824 / 32.4					
			WIDTH	mm/in	1194 / 47.0					
			DEPTH	mm/in	611 / 24.1					
		REFRIGERANT CHARGE		kg	3 x 0.885	2 x 0.885	0.965	0.885	2 x 0.965	3 x 0.965

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3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:

a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR

b) HEATING - 21.1°C DB / 15.6°C WB INDOOR AND 8.3°C DB / 6.1°C WB OUTDOOR
26.7°C DB / 19.4°C WB INDOOR AND 46.1°C DB OUTDOOR

4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.
POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.

5) ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.

AMSH SERIES - COOLING ONLY

MODELS			**OUTDOOR UNIT**		**AMSH8K8A**	**AMSH8K66A**	**AMSH66K66A**	**AMSH 66K555A**		**AMSH K77A**
			INDOOR UNIT		**AWMS10F (X2)**	**AWMS10F (X3)**	**AWMS10F (X4)**	**AWMS10F (X4)**	**AWMS15F**	**AWMS15F X 2**
POWER SOURCE				**V/Ph/Hz**	220 ~ 240 / 1 / 50					
REFRIGERANT					R 22 / OUTDOOR CAPILLARY TUBE					
INDOOR UNIT	**FAN**	**FAN TYPE**			ANTI FUNGUS CROSS FLOW TANGENTIAL FAN/DIRECT					
		AIR FLOW		**CFM/LPS**	300 / 142					
		FAN MOTOR			4 POLES X 10W				4 POLES X 12W	
		RATED INPUT POWER		**W**	26					
		RATED RUNNING CURRENT		**A**	0.11					
		FAN MOTOR PROTECTION			BUILT IN THERMAL FUSE					
	COIL	**TUBE**	**MATERIAL**		SEAMLESS INNER GROOVED COPPER					
			DIAMETER	**mm/in**	7.0 / 0.276					
			THICKNESS	**mm/in**	0.28 / 0.011					
		FIN	**MATERIAL**		ALUMINIUM (HYDROPHILIC SLIT FIN)					
			THICKNESS	**mm/in**	0.11 / 0.0043					
			ROW		2					
			FIN PER INCH		18					
		FACE AREA		**m^2/ft^2**	0.193 / 2.08					
	DIMENSION		**HEIGHT**	**mm/in**	290 / 11.4					
			WIDTH	**mm/in**	815 / 32.1					
			DEPTH	**mm/in**	179 / 7.0					
	WEIGHT			**kg**	9.5					
	SOUND LEVEL - H / M / L			**dBA**	38 / 34 / 30				38 / 35 / 31	
	CONTROL		**ROOM TEMPERATURE**		MICROCOMPUTER CONTROLLED THERMOSTAT					
			AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)					
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL					
	CONDENSATE DRAIN SIZE			**mm/in**	16 / 0.63					
	AIR FILTER *				WASHABLE SARANET					
	PACKING DIMENSION		**HEIGHT**	**mm/in**	371 / 14.6					
			WIDTH	**mm/in**	875 / 34.4					
			DEPTH	**mm/in**	269 / 10.6					
OUTDOOR UNIT	**COMP**	**COMPRESSOR TYPE**			ROTARY					
		NUMBER			2					1
		CAPACITOR		**μF**	25					30
		LOCK ROTOR AMP		**A**	15 / 15			21 / 21		25
		PROTECTION DEVICE			OVERLOAD PROTECTION					
	FAN	**FAN TYPE / DRIVE**			PROPELLER/DIRECT					
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN					
		DIAMETER		**mm/in**	406.4 / 16					355.6 / 14
		RATED RUNNING CURRENT		**A**	0.72					0.28
		RATED OUTPUT POWER		**W**	80					30
		RATED INPUT POWER		**W**	170					62
	COIL	**TUBE**	**MATERIAL**		SEAMLESS INNER GROOVED COPPER					
			DIAMETER	**mm/in**	9.52 / 3/8					
			THICKNESS	**mm/in**	0.33 / 0.013					
		FIN	**MATERIAL**		ALUMINIUM (SLIT FIN TYPE)					
			THICKNESS	**mm/in**	0.12 / 0.005					
			ROW		2					1
			FIN PER INCH		16					18
		FACE AREA (m2/ft2)			0.51 / 5.53					0.32 / 3.50
			HEIGHT (mm/in)		646 / 25.4 "					494 / 19.4"
	DIMENSION		**WIDTH (mm/in)**		840 / 33.1 "					740 / 29.1"
			DEPTH (mm/in)		330 / 13 "					270 / 10.6"
			HEIGHT	**mm/in**	646 / 25.4					558 / 22.0
			WIDTH	**mm/in**	840 / 33.1					851 / 33.5
			DEPTH	**mm/in**	330 / 13.0					401 / 15.8
	WEIGHT			**kg**	62	63	64	65		35
	CASING		**MATERIAL**		GALVANISED MILD STEEL					
			THICKNESS	**mm/in**	0.8 / 0.031					
			FINISH		EPOXY-POLYESTER POWDER					
	NOISE LEVEL			**dBA**	56					50
	PIPE	**TYPE**			FLARE VALVE					
		PIPE SIZE	**LIQIUD**	**mm/in**	6.35 / 1/4					
			GAS	**mm/in**	9.52 / 3/8				12.7 / 1/2	
	PACKING DIMENSION		**HEIGHT**	**mm/in**	710 / 28.0					558 / 2.0
			WIDTH	**mm/in**	982 / 38.7					851 / 33.5
			DEPTH	**mm/in**	461 / 18.1					401 / 15.8
	REFRIGERANT CHARGE			**kg**	2 x 0.675	0.925 / 0.625	2 x 0.825	0.925 / 0.875		0.825

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a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR
4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.
POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.
5) ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.

COOLING CAPACITY
AMSH SERIES - COOLING ONLY

MODEL	OUTDOOR UNIT	AMSHK77A		AMSH8K8A	
	INDOOR UNIT	INDOOR A,B : AWMS15F X 2		INDOOR UNIT A, B : AWMS10F X 2	
NOMINAL	NUMBER OF UNIT	ONE UNIT RUNNING	TWO UNITS RUNNING	ONE UNIT RUNNING	TWO UNITS RUNNING
COOLING	OPERATING	A OR B	A + B	A OR B	A + B
CAPACITY	kcal/h	3100	1840 + 1840	2091	2091 + 2091
	W	3605	2140 + 2140	2433	2433 + 2433
	Btu/h	12300	7300 + 7300	8300	8300 + 8300
POWER CONSUMPTION (W)		1389	1445	804	1466
RUNNING CURRENT (A)		6.1	6.4	3.4	6.1

MODEL	OUTDOOR UNIT	AMSH8K66A				
	INDOOR UNIT	INDOOR UNIT A1, A2, B : AWMS10F X 2				
NOMINAL	NUMBER OF UNIT	ONE UNIT RUNNING		TWO UNITS RUNNING		THREE UNITS RUNNING
COOLING	OPERATING	A1 OR A2	B	A1+A2	A1+B, OR A2+B	A1+A2+B
CAPACITY	kcal/h	2520	2041	1613 + 1613	2520 + 2041	1613 + 1613 + 2041
	W	2931	2374	1876 + 1876	2931 + 2374	1876 + 1876 +2374
	Btu/h	10000	8100	6400 + 6400	10000 + 8100	6400 + 6400 + 8100
POWER CONSUMPTION (W)		1150	835	1246	1840	1940
RUNNING CURRENT (A)		5.0	3.6	5.3	7.9	8.2

MODEL	OUTDOOR UNIT	AMSH66K66A			
	INDOOR UNIT	INDOOR UNIT A1, A2, B1, B2 : AWMS10F X 2			
NOMINAL	NUMBER OF UNIT	ONE UNIT RUNNING	TWO UNITS RUNNING		FOUR UNITS RUNNING
COOLING	OPERATING	A1, A2, B1, OR B2	A1+A2, OR B1+B2	A1+B1, OR A2+B2	A1+A2+B1+B2
CAPACITY	kcal/h	2520	1613 + 1613	2520 + 2520	4 X 1613
	W	2931	1876 + 1876	2931 + 2931	4 X 1876
	Btu/h	10000	6400 + 6400	10000 + 10000	4 X 6400
POWER CONSUMPTION (W)		1164	1248	2188	2355
RUNNING CURRENT (A)		5.1	5.4	9.6	10.2

MODEL	OUTDOOR UNIT	AMSH66K555A					
	INDOOR UNIT	INDOOR UNIT A1, A2,A3, B1 : AWMS10F X 4, B2 : AWMS15F					
NOMINAL	NUMBER OF UNIT	ONE UNIT RUNNING		TWO UNITS RUNNING			
COOLING	OPERATING	A1,A2,A3, OR B1	B2	A1+A2,A2+A3, OR A3+A1	B1+B2	(A1,A2, OR A3) + B1	(A1,A2, OR A3) + B2
CAPACITY	kcal/h	2520	3024	2 X 1613	1512 + 1764	2 X 2520	2520 + 3024
	W	2931	3517	2 X 1876	1578 + 2052	2 X 2931	2931 + 3517
	Btu/h	10000	12000	2 X 6400	6000 + 7000	2 X 10000	10000 + 12000
POWER CONSUMPTION (W)		1207	1262	1288	1301	2244	2299
RUNNING CURRENT (A)		5.3	5.5	5.6	5.7	9.9	10.1

MODEL	OUTDOOR UNIT	AMSH66K555A			
	INDOOR UNIT	INDOOR UNIT A1, A2,A3, B1 : AWMS10F X 4, B2 : AWMS15F			
NOMINAL	NUMBER OF UNIT	THREE UNIT RUNNING			
COOLING	OPERATING	A1 + A2 +A3	A1 + A2 + B1	A1 + A2 + B2	A1 + B1 + B2
CAPACITY	kcal/h	3 X 1134	2 X 1613 + 2520	2 X 1613 + 3024	2520 + 1512 +1764
	W	3 X 1319	2 X 1876 + 2931	2 X 1876 +3517	2931 + 1758 + 2052
	Btu/h	3 X 4500	2 X 6400 + 10000	2 X 6400 + 10000	10000 + 6000 + 7000
POWER CONSUMPTION (W)		1332	2325	2380	2338
RUNNING CURRENT (A)		5.8	10.2	10.4	10.3

MODEL	OUTDOOR UNIT	AMSH66K555A			
	INDOOR UNIT	INDOOR UNIT A1, A2,A3, B1 : AWMS10F X 4, B2 : AWMS15F			
NOMINAL	NUMBER OF UNIT	FOUR UNITS RUNNING			FIVE UNITS RUNNING
COOLING	OPERATING	A1 + A2 + A3 + B1	A1 + A2 + A3 + B2	A1 + A2 + B1 + B2	A1 + A2 + A3 + B1 + B2
CAPACITY	kcal/h	3 X 1134 + 2520	3 X 1134 + 3024	2 X 1613 + 1512 + 1764	3 X 1134 + 1512 + 1764
	W	3 X 1319 + 2931	3 X 1319 + 3517	2 X 1876 + 1758 + 2052	3 X 1319 + 1758 + 2052
	Btu/h	3 X 4500 + 10000	3 X 4500 + 12000	2 X 6400 + 6000 + 7000	3 X 4500 + 6000 + 7000
POWER CONSUMPTION (W)		2369	2424	2419	2464
RUNNING CURRENT (A)		10.4	10.5	10.6	10.8

AMSD SERIES COOLING ONLY

MODEL				AMSD1010A		AMSD1015A		AMSD1515A	
		INDOOR UNIT		AWMS10G	AWMS10G	AWMS10G	AWMS15G	AWMS15G	AWMS15G
NOMINAL COOLING CAPACITY		ONE / TWO UNIT RUNNING	kcal/h	2,394		2,394	3,200	3,200	
			W	2,784		2,784	3,721	3,721	
			Btu/h	9,500		9,500	12,700	12,700	
RATED POWER CONSUMPTION		ONE UNIT RUNNING	W	1,018	1,018	1,018	1,459	1,459	1,459
		TWO UNITS RUNNING	W	1,864		2,310		2,756	
RATED RUNNING CURRENT		ONE UNIT RUNNING	A	4.47	4.47	4.47	6.43	6.43	6.43
		TWO UNITS RUNNING	A	8.3		10.2		12.1	
POWER SOURCE			V/Ph/Hz	220 ~ 240 / 1 / 50					
REFRIGERANT / CONTROL				R 22					
INDOOR UNIT	FAN	FAN TYPE		ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT					
		AIR FLOW	HIGH	CFM/LPS	300 / 141.6	300 / 141.6	345 / 162.82	345 / 162.82	
			MEDIUM	CFM/LPS	250 / 117.99	250 / 117.99	285 / 134.51	285 / 134.51	
			LOW	CFM/LPS	200 / 94.39	200 / 94.39	220 / 103.83	220 / 103.83	
		FAN MOTOR			4 POLES X 9W		4 POLES X 13W		
		RATED INPUT POWER		W	26	26	29	29	
		RATED RUNNING CURRENT		A	0.11	0.11	0.13	0.13	
		FAN MOTOR PROTECTION			THERMAL OVERLOAD RELAY				
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER				
			DIAMETER	mm/in	7.0 / 0.276				
			THICKNESS	mm/in	0.28 / 0.011				
		FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)				
			THICKNESS	mm/in	0.11 / 0.0043				
			ROW		2				
			FIN PER INCH		18				
		FACE AREA		m^2/ft^2	0.234 / 2.516				
	DIMENSION		HEIGHT	mm/in	260 / 10.2				
			WIDTH	mm/in	899 / 35.4				
			DEPTH	mm/in	198 / 7.8				
	WEIGHT			kg	12				
	SOUND PRESSURE LEVEL (H/M/L)			dBA	39 / 34 / 28	39 / 34 /28	42/36/29	42/36/29	
	CONTROL		ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT				
			AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)				
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL				
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.63				
	AIR FILTER				WASHABLE SARANET				
	PACKING DIMENSION		HEIGHT	mm/in	337 / 13.3				
			WIDTH	mm/in	957 / 37.7				
			DEPTH	mm/in	270 / 10.6				
OUTDOOR UNIT	COMP	COMPRESSOR TYPE			ROTARY				
		NUMBER			2				
		CAPACITOR		μF	30	30	30	30	
		LOCK ROTOR AMP		A	20	20	25	25	
		PROTECTION DEVICE			OVERLOAD PROTECTION				
	FAN	FAN TYPE / DRIVE			PROPELLER/DIRECT				
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN				
		DIAMETER		mm/in	420 / 16.5				
		RATED RUNNING CURRENT		A	0.66 / 0.80				
		RATED OUTPUT POWER		W	80 / 80				
		RATED INPUT POWER		W	152 / 178				
		AIR FLOW		CFM/LPS	1400 / 660.8				
	COIL	TUBE	MATERIAL		SEAMLESS COPPER	SEAMLESS INNER GROOVED COPPER			
			DIAMETER	mm/in	9.52 / 3/8				
			THICKNESS	mm/in	0.35 / 0.014	0.33 / 0.013			
		FIN	MATERIAL		ALUMINIUM (SLIT FIN TYPE)				
			THICKNESS	mm/in	0.12 / 0.005				
			ROW		2				
			FIN PER INCH		14	16			
		FACE AREA		m^2/ft^2	0.51 / 5.53				
	DIMENSION		HEIGHT	mm/in	646 / 25.4				
			WIDTH	mm/in	840 / 33.1				
			DEPTH	mm/in	330 / 13				
	WEIGHT			kg	62	63		64	
	SOUND PRESSURE LEVEL			dBA	56				
	CASING		MATERIAL		GALVANISED MILD STEEL				
			THICKNESS	mm/in	0.8 / 0.031				
			FINISHING		EPOXY-POLYESTER POWDER				
	PIPE	TYPE			FLARE VALVE				
		SIZE	LIQUID	mm/in	6.35 / 1/4				
			GAS	mm/in	9.52 / 3/8	9.52 / 3/8	12.7 / 1/2	12.7 / 1/2	
	PACKING DIMENSION		HEIGHT	mm/in	710 / 28.0				
			WIDTH	mm/in	982 / 38.7				
			DEPTH	mm/in	461 / 18.1				
	REFRIGERANT CHARGE			kg	2 x 0.825	0.825	0.850	2 x 0.85	

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3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR
4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.
POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.
5) *ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.*

AMSD SERIES COOLING ONLY

MODEL		OUTDOOR UNIT		AMSD1020A		AMSD1520A		AMSD2020A	
		INDOOR UNIT		AWMS10G	AWMS20G	AWMS15G	AWMS20G	AWMS20G	AWMS20G
NOMINAL COOLING CAPACITY		ONE / TWO UNIT RUNNING	kcal/h	2,394	4,536	3,200	4,536	4,536	
			W	2,784	5,275	3,721	5,275	5,275	
			Btu/h	9,500	18,000	12,700	18,000	18,000	
RATED POWER CONSUMPTION		ONE UNIT RUNNING	W	1,018	2,076	1,459	2,076	2,076	2,076
		TWO UNITS RUNNING	W	3,059		3,364		4,574	
RATED RUNNING CURRENT		ONE UNIT RUNNING	A	4.47	10.20	6.43	10.20	10.20	10.20
		TWO UNITS RUNNING	A	14.4		16.2		21.9	
POWER SOURCE			V/Ph/Hz	220 ~ 240 / 1 / 50					
REFRIGERANT / CONTROL				R 22 / OUTDOOR CAPILLARY TUBE					
INDOOR UNIT	FAN	FAN TYPE		ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT					
		AIR FLOW	HIGH	CFM/LPS	300 / 141.6	510 / 240.72	345 / 162.82	510 / 240.72	510 / 240.72
			MEDIUM	CFM/LPS	250 / 117.99	440 / 207.7	285 / 134.51	440 / 207.7	440 / 207.7
			LOW	CFM/LPS	200 / 94.39	370 / 174.6	220 / 103.83	370 / 174.6	370 / 174.6
		FAN MOTOR			4 POLES X 9W	4 POLES X 20W	4 POLES X 13W	4 POLES X 20W	4 POLES X 20W
		RATED INPUT POWER		W	26	50	29	50	50
		RATED RUNNING CURRENT		A	0.11	0.22	0.13	0.22	0.22
		FAN MOTOR PROTECTION			THERMAL OVERLOAD RELAY				
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER				
			DIAMETER	mm/in	7.0 / 0.276				
			THICKNESS	mm/in	0.28 / 0.011				
		FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)				
			THICKNESS	mm/in	0.11 / 0.0043				
			ROW		2				
			FIN PER INCH		18				
		FACE AREA		m^2/ft^2	0.234 / 2.516	0.269 / 2.900	0.234 / 2.516	0.269 / 2.900	0.269 / 2.900
		DIMENSION	HEIGHT	mm/in	260 / 10.2	306 / 12.0	260 / 10.2	306 / 12.0	306 / 12.0
			WIDTH	mm/in	899 / 35.4	1062 / 41.8	899 / 35.4	1062 / 41.8	1062 / 41.8
			DEPTH	mm/in	198 / 7.8	222 / 8.7	198 / 7.8	222 / 8.7	222 / 8.7
		WEIGHT		kg	12	16	12	16	16
		SOUND PRESSURE LEVEL (H/M/L)		dBA	39 / 34 / 28	44 / 40 / 35	42 / 36 / 29	44 / 40 / 35	44 / 40 / 35
		CONTROL	ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT				
			AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)				
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL				
		CONDENSATE DRAIN SIZE		mm/in	16 / 0.63	20 / 0.79	16 / 0.63	20 / 0.79	20 / 0.79
		AIR FILTER			WASHABLE SARANET				
		PACKING DIMENSION	HEIGHT	mm/in	337 / 13.3	378 / 14.9	337 / 13.3	378 / 14.9	378 / 14.9
			WIDTH	mm/in	957 / 37.7	1130 / 44.5	957 / 37.7	1130 / 44.5	1130 / 44.5
			DEPTH	mm/in	270 / 10.6	292 / 11.5	270 / 10.6	292 / 11.5	292 / 11.5
OUTDOOR UNIT	COMP	COMPRESSOR TYPE			ROTARY				
		NUMBER			2				
		CAPACITOR		µF	30	45	30	45	45
		LOCK ROTOR AMP		A	20	56	25	56	56
		PROTECTION DEVICE			OVERLOAD PROTECTION				
	FAN	FAN TYPE / DRIVE			PROPELLER/DIRECT				
		BLADE MATERIAL			ALUMINIUM ALLOY WITH ELECTRO- DEPOSITED EPOXY &				GLASS REINFORCED
		DIAMETER		mm/in	457.2 / 18				482.6 / 19
		RATED RUNNING CURRENT		A	0.61				0.93
		RATED OUTPUT POWER		W	50				150
		RATED INPUT POWER		W	137				214
		AIR FLOW		CFM/LPS	1400 / 660.8	2400 / 1132.8	1400 / 660.8	2400 / 1132.8	2400 / 1132.8
	COIL	TUBE	MATERIAL		SEAMLESS COPPER				
			DIAMETER	mm/in	9.52 / 3/8				
			THICKNESS	mm/in	0.35 / 0.014				
		FIN	MATERIAL		ALUMINIUM (SLIT FIN TYPE)				
			THICKNESS	mm/in	0.12 / 0.005				
			ROW		3				
			FIN PER INCH		14				
		FACE AREA		m^2/ft^2	0.586 / 6.31				
		DIMENSION	HEIGHT	mm/in	631.7 / 24.9				
			WIDTH	mm/in	960 / 37.8				
			DEPTH	mm/in	437 / 17.2				
		WEIGHT		kg	95		99		106
		SOUND PRESSURE LEVEL		dBA	59		59		61
		CASING	MATERIAL		GALVANISED MILD STEEL				
			THICKNESS	mm/in	1.0 - 1.2 / 0.039- 0.047				
			FINISHING		EPOXY-POLYESTER POWDER				
	PIPE	TYPE			FLARE VALVE / FITTING				
		SIZE	LIQUID	mm/in	6.35 / 1/4				
			GAS	mm/in	9.52 / 3/8	15.88 / 5/8	12.70 / 1/2	15.88 / 5/8	15.88 / 5/8
		PACKING DIMENSION	HEIGHT	mm/in	824 / 32.4				
			WIDTH	mm/in	1194 / 47.0				
			DEPTH	mm/in	611 / 24.1				
		REFRIGERANT CHARGE		kg	1.100	1.600	1.100	1.600	2 x 1.450

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AMSD SERIES HEAT PUMP UNIT

MODEL				AMSD1010AR		AMSD1015AR		AMSD1515AR	
	OUTDOOR UNIT								
	INDOOR UNIT			AWMS10GR	AWMS10GR	AWMS10GR	AWMS15GR	AWMS15GR	AWMS15GR
NOMINAL COOLING CAPACITY	ONE / TWO UNIT RUNNING		kcal/h	2343 / 2293		2343 / 2293	3024 / 2898	3024 / 2898	
			W	2726 / 2667		2726 / 2667	3517 / 3370	3517 / 3370	
			Btu/h	9300 / 9100		9300 / 9100	12000 / 11500	12000 / 11500	
NOMINAL HEATING CAPACITY	ONE / TWO UNIT RUNNING		kcal/h	2746 / 2696		2746 / 2696	3276 / 3024	3276 / 3024	
			W	3195 / 3136		3195 / 3136	3810 / 3517	3810 / 3517	
			Btu/h	10900 / 10700		10900 / 10700	13000 / 12000	13000 / 12000	
RATED POWER CONSUMPTION (COOLING)	ONE UNIT RUNNING		W	1,000	1,000	1,000	1,240	1,240	1,240
	TWO UNITS RUNNING		W	1,860		2,118		2,480	
RATED POWER CONSUMPTION (HEATING)	ONE UNIT RUNNING		W	1,160	1,160	1,160	1,358	1,358	1,358
	TWO UNITS RUNNING		W	2,070		2,212		2,458	
RATED RUNNING CURRENT (COOLING)	ONE UNIT RUNNING		A	4.50	4.50	4.50	5.59	5.59	5.59
	TWO UNITS RUNNING		A	8.32		9.52		11.22	
RATED RUNNING CURRENT (HEATING)	ONE UNIT RUNNING		A	5.10	5.10	5.10	6.05	6.05	6.05
	TWO UNITS RUNNING		A	9.14		9.92		11.08	
POWER SOURCE			V/Ph/Hz	220 ~ 240 / 1 / 50					
REFRIGERANT / CONTROL				R22 / OUTDOOR CAPILLARY TUBE					
INDOOR UNIT / FAN	FAN TYPE			ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT					
	AIR FLOW	HIGH	CFM/LPS	300 / 141.6		300 / 141.6	345 / 162.82	345 / 162.82	
		MEDIUM	CFM/LPS	250 / 117.99		250 / 117.99	285 / 134.51	285 / 134.51	
		LOW	CFM/LPS	200 / 94.39		200 / 94.39	220 / 103.83	220 / 103.83	
	FAN MOTOR			4 POLES X 9W			4 POLES X 13W		
	RATED INPUT POWER		W	26		26	29	29	
	RATED RUNNING CURRENT		A	0.11		0.11	0.13	0.13	
	FAN MOTOR PROTECTION			THERMAL OVERLOAD RELAY					
INDOOR UNIT / COIL / TUBE	MATERIAL			SEAMLESS INNER GROOVED COPPER					
	DIAMETER		mm/in	7.0 / 0.276					
	THICKNESS		mm/in	0.28 / 0.011					
INDOOR UNIT / COIL / FIN	MATERIAL			ALUMINIUM (HYDROPHILIC SLIT FIN)					
	THICKNESS		mm/in	0.11 / 0.0043					
	ROW			2					
	FIN PER INCH			18					
	FACE AREA		m^2/ft^2	0.234 / 2.516					
	DIMENSION	HEIGHT	mm/in	260 / 10.2					
		WIDTH	mm/in	899 / 35.4					
		DEPTH	mm/in	198 / 7.8					
	WEIGHT		kg	12					
	SOUND PRESSURE LEVEL (H/M/L)		dBA	39 / 34 / 28		39 / 34 /28	42 / 36 / 29	42 / 36 / 29	
	CONTROL	ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT					
		AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)					
		OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL					
	CONDENSATE DRAIN SIZE		mm/in	16 / 0.63					
	AIR FILTER			WASHABLE SARANET					
	PACKING DIMENSION	HEIGHT	mm/in	337 / 13.3					
		WIDTH	mm/in	957 / 37.7					
		DEPTH	mm/in	270 / 10.6					
OUTDOOR UNIT / COMP	COMPRESSOR TYPE			ROTARY					
	NUMBER			2					
	CAPACITOR		µF	30		30	30	30	
	LOCK ROTOR AMP		A	20		20	25	25	
	PROTECTION DEVICE			OVERLOAD PROTECTION					
OUTDOOR UNIT / FAN	FAN TYPE / DRIVE			PROPELLER/DIRECT					
	BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN					
	DIAMETER		mm/in	420 / 16.5					
	RATED RUNNING CURRENT		A	0.7					
	RATED OUTPUT POWER		W	80					
	RATED INPUT POWER		W	170					
OUTDOOR UNIT / COIL / TUBE	MATERIAL			SEAMLESS INNER GROOVED COPPER					
	DIAMETER		mm/in	9.52 / 3/8					
	THICKNESS		mm/in	0.33 / 0.013					
OUTDOOR UNIT / COIL / FIN	MATERIAL			ALUMINIUM (SLIT FIN TYPE)					
	THICKNESS		mm/in	0.12 / 0.005					
	ROW			2					
	FIN PER INCH			16					
	FACE AREA		m^2/ft^2	0.51 / 5.53					
	DIMENSION	HEIGHT	mm/in	646 / 25.4					
		WIDTH	mm/in	840 / 33.1					
		DEPTH	mm/in	330 / 13					
	WEIGHT		kg	63		64		65	
	SOUND PRESSURE LEVEL		dBA	56					
	CASING	MATERIAL		GALVANISED MILD STEEL					
		THICKNESS	mm/in	0.8 / 0.031					
		FINISHING		EPOXY-POLYESTER POWDER					
	PIPE / TYPE			FLARE VALVE					
	SIZE	LIQUID	mm/in	6.35 / 1/4					
		GAS	mm/in	9.52 / 3/8		9.52 / 3/8	12.7 / 1/2	12.7 / 1/2	
	PACKING DIMENSION	HEIGHT	mm/in	710 / 28.0					
		WIDTH	mm/in	982 / 38.7					
		DEPTH	mm/in	461 / 18.1					
	REFRIGERANT CHARGE		kg	2 x 0.775		0.775	0.900	2 x 0.900	

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a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR
b) HEATING - 21.1°C DB / 15.6°C WB INDOOR AND 8.3°C DB / 6.1°C WB OUTDOOR
4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.
POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.
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AMSD SERIES HEAT PUMP UNIT

MODEL			**OUTDOOR UNIT**		**AMSD1520AR**	
			INDOOR UNIT		**AWMS15GR**	**AWMS20GR**
NOMINAL COOLING CAPACITY			**ONE / TWO UNIT RUNNING**	**kcal/h**	2898 / 2772	4536 / 4536
				W	3370 / 3224	5275 / 5275
				Btu/h	11500 / 11000	18000 / 18000
NOMINAL HEATING CAPACITY			**ONE / TWO UNIT RUNNING**	**kcal/h**	3175 / 3024	5040 / 4914
				W	3693 / 3517	5862 / 5715
				Btu/h	12600 / 12000	20000 / 19500
RATED POWER CONSUMPTION (COOLING)			**ONE UNIT RUNNING**	**W**	1,345	2,195
			TWO UNITS RUNNING	**W**	3,460	
RATED POWER CONSUMPTION (HEATING)			**ONE UNIT RUNNING**	**W**	1,378	2,412
			TWO UNITS RUNNING	**W**	3,475	
RATED RUNNING CURRENT (COOLING)			**ONE UNIT RUNNING**	**A**	5.99	11.86
			TWO UNITS RUNNING	**A**	17.41	
RATED RUNNING CURRENT (HEATING)			**ONE UNIT RUNNING**	**A**	6.19	12.96
			TWO UNITS RUNNING	**A**	17.61	
POWER SOURCE				**V/Ph/Hz**	220 ~ 240 / 1 / 50	
REFRIGERANT / CONTROL					R22 / OUTDOOR CAPILLARY TUBE	
INDOOR UNIT	**FAN**	**FAN TYPE**			ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT	
		AIR FLOW	**HIGH**	**CFM/LPS**	345 / 162.82	510 / 240.72
			MEDIUM	**CFM/LPS**	285 / 134.51	440 / 207.7
			LOW	**CFM/LPS**	220 / 103.83	370 / 174.6
		FAN MOTOR			4 POLES X 13W	4 POLES X 20W
		RATED INPUT POWER		**W**	29	50
		RATED RUNNING CURRENT		**A**	0.13	0.22
		FAN MOTOR PROTECTION			THERMAL OVERLOAD RELAY	
	COIL	**TUBE**	**MATERIAL**		SEAMLESS INNER GROOVED COPPER	
			DIAMETER	**mm/in**	7.0 / 0.276	
			THICKNESS	**mm/in**	0.28 / 0.011	
		FIN	**MATERIAL**		ALUMINIUM (HYDROPHILIC SLIT FIN)	
			THICKNESS	**mm/in**	0.11 / 0.0043	
			ROW		2	
			FIN PER INCH		18	
		FACE AREA		**m^2/ft^2**	0.234 / 2.516	0.269 / 2.900
	DIMENSION		**HEIGHT**	**mm/in**	260 / 10.2	306 / 12.0
			WIDTH	**mm/in**	899 / 35.4	1062 / 41.8
			DEPTH	**mm/in**	198 / 7.8	222 / 8.7
	WEIGHT			**kg**	12	16
	SOUND PRESSURE LEVEL (H/M/L)			**dBA**	42 / 36 / 29	44 / 40 / 35
	CONTROL		**ROOM TEMPERATURE**		MICROCOMPUTER CONTROLLED THERMOSTAT	
			AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)	
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL	
	CONDENSATE DRAIN SIZE			**mm/in**	16 / 0.63	20 / 0.79
	AIR FILTER				WASHABLE SARANET	
	PACKING DIMENSION		**HEIGHT**	**mm/in**	337 / 13.3	378 / 14.9
			WIDTH	**mm/in**	957 / 37.7	1130 / 4.5
			DEPTH	**mm/in**	270 / 10.6	292 / 11.5
OUTDOOR UNIT	**COMP**	**COMPRESSOR TYPE**			ROTARY	
		NUMBER			2	
		CAPACITOR		**µF**	30	45
		LOCK ROTOR AMP		**A**	25	56
		PROTECTION DEVICE			OVERLOAD PROTECTION	
	FAN	**FAN TYPE / DRIVE**			PROPELLER/DIRECT	
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN	
		DIAMETER		**mm/in**	482.6 / 19	
		RATED RUNNING CURRENT		**A**	0.92	
		RATED OUTPUT POWER		**W**	150	
		RATED INPUT POWER		**W**	215	
	COIL	**TUBE**	**MATERIAL**		SEAMLESS INNER GROOVED COPPER	
			DIAMETER	**mm/in**	9.52 / 3/8	
			THICKNESS	**mm/in**	0.33 / 0.013	
		FIN	**MATERIAL**		ALUMINIUM (SLIT FIN TYPE)	
			THICKNESS	**mm/in**	0.12 / 0.005	
			ROW		3	
			FIN PER INCH		14	
		FACE AREA		**m^2/ft^2**	0.50 / 5.39	
	DIMENSION		**HEIGHT**	**mm/in**	631.7 / 24.9	
			WIDTH	**mm/in**	960.0 / 37.8	
			DEPTH	**mm/in**	437.0 / 17.2	
	WEIGHT			**kg**	100	
	SOUND PRESSURE LEVEL			**dBA**	61	
	CASING		**MATERIAL**		GALVANISED MILD STEEL	
			THICKNESS	**mm/in**	0.8 / 0.031	
			FINISHING		EPOXY-POLYESTER POWDER	
	PIPE	**TYPE**			FLARE VALVE	
		SIZE	**LIQUID**	**mm/in**	6.35 / 1/4	
			GAS	**mm/in**	12.70 / 1/2	15.88 / 5/8
	PACKING DIMENSION		**HEIGHT**	**mm/in**	813 / 32.0	
			WIDTH	**mm/in**	1144 / 45.0	
			DEPTH	**mm/in**	611 / 24.1	
	REFRIGERANT CHARGE			**kg**	0.925	1.650

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a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR
b) HEATING - 21.1°C DB / 15.6°C WB INDOOR AND 8.3°C DB / 6.1°C WB OUTDOOR
4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.
POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.
5) *ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.*

A4MSD SERIES COOLING ONLY

MODEL			**INDOOR UNIT**			**A4MSD1010A**		**A4MSD1015A**		**A4MSD1515A**			
			OUTDOOR UNIT			**AWMS10G**	**AWMS10G**	**AWMS10G**	**AWMS15G**	**AWMS15G**	**AWMS15G**		
NOMINAL COOLING CAPACITY			**ONE / TWO UNIT RUNNING**		**kcal/h**	2,268		2,268	3,024	3,024			
					W	2,638		2,638	3,517	3,517			
					Btu/h	9,000		9,000	12,000	12,000			
RATED POWER CONSUMPTION			**ONE UNIT RUNNING**		**W**	1,035	1,035	1,035	1,566	1,566	1,566		
			TWO UNITS RUNNING		**W**	1,900		2,435		2,966			
RATED RUNNING CURRENT			**ONE UNIT RUNNING**		**A**	4.40	4.40	4.40	7.00	7.00	7.00		
			TWO UNITS RUNNING		**A**	8.10		10.70		13.34			
POWER SOURCE					**V/Ph/Hz**	220 ~ 240 / 1 / 50							
REFRIGERANT / CONTROL						R407C / OUTDOOR CAPILLARY TUBE							
INDOOR UNIT	**FAN**	**FAN TYPE**				ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT							
		AIR FLOW	**HIGH**		**CFM/LPS**	300 / 141.6		300 / 141.6	345 / 162.82	345 / 162.82			
			MEDIUM		**CFM/LPS**	250 / 117.99		250 / 117.99	285 / 134.51	285 / 134.51			
			LOW		**CFM/LPS**	200 / 94.39		200 / 94.39	220 / 103.83	220 / 103.83			
		FAN MOTOR				4 POLES X 9W			4 POLES X 13W				
		RATED INPUT POWER			**W**	26		26	29	29			
		RATED RUNNING CURRENT			**A**	0.11		0.11	0.13	0.13			
		FAN MOTOR PROTECTION				THERMAL OVERLOAD RELAY							
	COIL	**TUBE**	**MATERIAL**			SEAMLESS INNER GROOVED COPPER							
			DIAMETER		**mm/in**	7.0 / 0.276							
			THICKNESS		**mm/in**	0.28 / 0.011							
		FIN	**MATERIAL**			ALUMINIUM (HYDROPHILIC SLIT FIN)							
			THICKNESS		**mm/in**	0.11 / 0.0043							
			ROW			2							
			FIN PER INCH			18							
		FACE AREA			**m^2/ft^2**	0.234 / 2.516							
		DIMENSION	**HEIGHT**		**mm/in**	260 / 10.2							
			WIDTH		**mm/in**	899 / 35.4							
			DEPTH		**mm/in**	198 / 7.8							
		WEIGHT			**kg**	12							
		SOUND PRESSURE LEVEL (H/M/L)			**dBA**	39 / 34 / 28		39 / 34 /28	42 / 36 / 29	42 / 36 / 29			
		CONTROL	**ROOM TEMPERATURE**			MICROCOMPUTER CONTROLLED THERMOSTAT							
			AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)							
			OPERATION			LCD WIRELESS MICRO COMPUTER REMOTE CONTROL							
		CONDENSATE DRAIN SIZE			**mm/in**	16 / 0.63							
		AIR FILTER				WASHABLE SARANET							
		PACKING DIMENSION	**HEIGHT**		**mm/in**	337 / 13.3							
			WIDTH		**mm/in**	957 / 37.7							
			DEPTH		**mm/in**	270 / 10.6							
OUTDOOR UNIT	**COMP**	**COMPRESSOR TYPE**				ROTARY							
		NUMBER				2							
		CAPACITOR			**µF**	30		30	30	30			
		LOCK ROTOR AMP			**A**	20		20	32	32			
		PROTECTION DEVICE				OVERLOAD PROTECTION							
	FAN	**FAN TYPE / DRIVE**				PROPELLER/DIRECT							
		BLADE MATERIAL				GLASS REINFORCED ACRLY STYRENE RESIN							
		DIAMETER			**mm/in**	406 / 16							
		RATED RUNNING CURRENT			**A**	0.72							
		RATED OUTPUT POWER			**W**	80							
		RATED INPUT POWER			**W**	170							
	COIL	**TUBE**	**MATERIAL**			SEAMLESS INNER GROOVED COPPER							
			DIAMETER		**mm/in**	9.52 / 3/8							
			THICKNESS		**mm/in**	0.33 / 0.013							
		FIN	**MATERIAL**			ALUMINIUM (SLIT FIN TYPE)							
			THICKNESS		**mm/in**	0.12 / 0.005							
			ROW			2							
			FIN PER INCH			16							
		FACE AREA			**m^2/ft^2**	0.51 / 5.53							
		DIMENSION	**HEIGHT**		**mm/in**	646 / 25.4							
			WIDTH		**mm/in**	840 / 33.1							
			DEPTH		**mm/in**	330 / 13							
		WEIGHT			**kg**	62		63		64			
		SOUND PRESSURE LEVEL			**dBA**	54							
		CASING	**MATERIAL**			GALVANISED MILD STEEL							
			THICKNESS		**mm/in**	0.8 / 0.031							
			FINISHING			EPOXY-POLYESTER POWDER							
	PIPE	**TYPE**				FLARE VALVE							
		SIZE	**LIQUID**		**mm/in**	6.35 / 1/4							
			GAS		**mm/in**	9.52 / 3/8		9.52 / 3/8	12.7 / 1/2	12.7 / 1/2			
		PACKING DIMENSION	**HEIGHT**		**mm/in**	710 / 28.0							
			WIDTH		**mm/in**	982 / 38.7							
			DEPTH		**mm/in**	461 / 18.1							
		REFRIGERANT CHARGE			**kg**	2 x 0.750		0.750	0.800	2 x 0.800			

1) ALL SPECIFICATIONS ARE SUBJECTED TO CHANGE BY THE MANUFACTURER WITHOUT PRIOR NOTICE.

2) ALL UNITS ARE BEING TESTED AND COMPLY TO ARI 210/240-94

3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:

a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR

4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.

POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.

5) *ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.*

A4MSD SERIES HEAT PUMP UNIT

MODEL		OUTDOOR UNIT		A4MSD1010AR		A4MSD1015AR		A4MSD1515AR	
		INDOOR UNIT		AWMS10GR	AWMS10GR	AWMS10GR	AWMS15GR	AWMS15GR	AWMS15GR
NOMINAL COOLING CAPACITY	ONE / TWO UNIT RUNNING		kcal/h	2268 / 2268		2268 / 2268	2772 / 2646	2772 / 2646	
			W	2638 / 2268		2638 / 2638	3224 / 3077	3224 / 3077	
			Btu/h	9000 / 9000		9000 / 9000	11000 / 11500	11000 / 11500	
NOMINAL HEATING CAPACITY	ONE / TWO UNIT RUNNING		kcal/h	2394 / 2668		2394 / 2668	3024 / 2898	3024 / 2898	
			W	2784 / 2638		2784 / 2638	3517 / 3370	3517 / 3370	
			Btu/h	9500 / 9000		9500 / 9000	12000 / 11500	12000 / 11500	
RATED POWER CONSUMPTION (COOLING)	ONE UNIT RUNNING		W	994	994	994	1466	1466	1466
	TWO UNITS RUNNING		W	1,800		2,139		2,478	
RATED POWER CONSUMPTION (HEATING)	ONE UNIT RUNNING		W	992	992	992	1476	1476	1476
	TWO UNITS RUNNING		W	1,690		2,044		2,398	
RATED RUNNING CURRENT (COOLING)	ONE UNIT RUNNING		A	4.21	4.21	4.21	6.71	6.71	6.71
	TWO UNITS RUNNING		A	7.60		9.52		11.24	
RATED RUNNING CURRENT (HEATING)	ONE UNIT RUNNING		A	4.21	4.21	4.21	6.71	6.71	6.71
	TWO UNITS RUNNING		A	7.20		9.22		11.04	
POWER SOURCE			V/Ph/Hz	220 ~ 240 / 1 / 50					
REFRIGERANT / CONTROL				R407C / OUTDOOR CAPILLARY TUBE					
INDOOR UNIT	FAN	FAN TYPE		ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT					
		AIR FLOW	HIGH	CFM/LPS	300 / 141.6	300 / 141.6	345 / 162.82	345 / 162.82	
			MEDIUM	CFM/LPS	250 / 117.99	250 / 117.99	285 / 134.51	285 / 134.51	
			LOW	CFM/LPS	200 / 94.39	200 / 94.39	220 / 103.83	220 / 103.83	
		FAN MOTOR			4 POLES X 9W		4 POLES X 13W		
		RATED INPUT POWER		W	26	26	29	29	
		RATED RUNNING CURRENT		A	0.11	0.11	0.13	0.13	
		FAN MOTOR PROTECTION			THERMAL OVERLOAD RELAY				
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER				
			DIAMETER	mm/in	7.0 / 0.276				
			THICKNESS	mm/in	0.28 / 0.011				
		FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)				
			THICKNESS	mm/in	0.11 / 0.0043				
			ROW		2				
			FIN PER INCH		18				
		FACE AREA		m^2/ft^2	0.234 / 2.516				
	DIMENSION	HEIGHT		mm/in	260 / 10.2				
		WIDTH		mm/in	899 / 35.4				
		DEPTH		mm/in	198 / 7.8				
	WEIGHT			kg	12				
	SOUND PRESSURE LEVEL (H/M/L)			dBA	39 / 34 / 28	39 / 34 /28	42 / 36 / 29	42 / 36 / 29	
	CONTROL	ROOM TEMPERATURE			MICROCOMPUTER CONTROLLED THERMOSTAT				
		AIR DISCHARGE			AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)				
		OPERATION			LCD WIRELESS MICRO COMPUTER REMOTE CONTROL				
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.63				
	AIR FILTER				WASHABLE SARANET				
	PACKING DIMENSION	HEIGHT		mm/in	337 / 13.3				
		WIDTH		mm/in	957 / 37.7				
		DEPTH		mm/in	270 / 10.6				
OUTDOOR UNIT	COMP	COMPRESSOR TYPE			ROTARY				
		NUMBER			2				
		CAPACITOR		μF	30	30	30	30	
		LOCK ROTOR AMP		A	20	20	32	32	
		PROTECTION DEVICE			OVERLOAD PROTECTION				
	FAN	FAN TYPE / DRIVE			PROPELLER/DIRECT				
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN				
		DIAMETER		mm/in	406 / 16				
		RATED RUNNING CURRENT		A	0.72				
		RATED OUTPUT POWER		W	80				
		RATED INPUT POWER		W	170				
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER				
			DIAMETER	mm/in	9.52 / 3/8				
			THICKNESS	mm/in	0.33 / 0.013				
		FIN	MATERIAL		ALUMINIUM (SLIT FIN TYPE)				
			THICKNESS	mm/in	0.12 / 0.005				
			ROW		2				
			FIN PER INCH		16				
		FACE AREA		m^2/ft^2	0.51 / 5.53				
	DIMENSION	HEIGHT		mm/in	646 / 25.4				
		WIDTH		mm/in	840 / 33.1				
		DEPTH		mm/in	330 / 13				
	WEIGHT			kg	63	64		65	
	SOUND PRESSURE LEVEL			dBA	54				
	CASING	MATERIAL			GALVANISED MILD STEEL				
		THICKNESS		mm/in	0.8 / 0.031				
		FINISHING			EPOXY-POLYESTER POWDER				
	PIPE	TYPE			FLARE VALVE				
		SIZE	LIQUID	mm/in	6.35 / 1/4				
			GAS	mm/in	9.52 / 3/8	9.52 / 3/8	12.7 / 1/2	12.7 / 1/2	
	PACKING DIMENSION	HEIGHT		mm/in	710 / 28.0				
		WIDTH		mm/in	982 / 38.7				
		DEPTH		mm/in	461 / 18.1				
	REFRIGERANT CHARGE			kg	2 x 0.725	0.750	0.800	2 x 0.800	

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3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:
a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR
b) HEATING - 21.1°C DB / 15.6°C WB INDOOR AND 8.3°C DB / 6.1°C WB OUTDOOR
4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.
POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.
5) *ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.*

AMST SERIES COOLING ONLY

MODEL		**OUTDOOR UNIT**		AMST101010A	AMST101015A		AMST101515A		AMST151515A	AMST101020A	
		INDOOR UNIT		3 x AWMS10G	2 x AWMS10G	AWMS15G	AWMS10G	2 x AWMS15G	3 x AWMS15G	2 x AWMS10G	AWMS20G
NOMINAL			**kcal/h**	3 x 2,394	2 x 2,394	3,200	2,394	2 x 3,200	3 x 3,200	2 x 2,394	4,536
COOLING			**W**	3 x 2,784	2 x 2,784	3,721	2,784	2 x 3,721	3 x 3,721	2 x 2,784	5,275
CAPACITY			**Btu/h**	3 x 9,500	2 x 9,500	12,700	9,500	2 x 12,700	3 x 12,700	2 x 9,500	18,000
RATED TOTAL POWER CONSUMPTION			**W**	2,685	3,142		3,665		4,188	4,041	
RATED TOTAL RUNNING CURRENT			**A**	12.6	14.5		16.3		18.4	18.1	
POWER SOURCE			**V/Ph/Hz**	220 ~ 240 / 1 / 50							
REFRIGERANT / CONTROL				R22 / OUTDOOR CAPILLARY TUBE							
INDOOR UNIT	**FAN**	**FAN TYPE**		ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT							
		AIR FLOW	**HIGH**	300 / 141.6	300 / 141.6	345 / 162.82	300 / 141.6	345 / 162.82	345 / 162.82	300 / 141.6	510 / 240.72
			MEDIUM	250 / 117.99	250 / 117.99	285 / 134.51	250 / 117.99	285 / 134.51	285 / 134.51	250 / 117.99	440 / 207.7
			LOW	200 / 94.39	200 / 94.39	220 / 103.83	200 / 94.39	220 / 103.83	220 / 103.83	200 / 94.39	370 / 174.6
		FAN MOTOR		4 POLES x 9W		4 POLES x 13W	4 POLES x 9W	4 POLES x 13W		4 POLES x 9W	4 POLES x 20W
		INPUT POWER	**W**	26	26	29	26	29	29	26	50
		RUNNING CURRENT	**A**	0.11	0.11	0.13	0.11	0.13	0.13	0.11	0.22
		FAN MOTOR PROTECTION									
	COIL	**TUBE** **MATERIAL**		SEAMLESS INNER GROOVED COPPER							
		TUBE **DIAMETER**	**mm/in**	7.0 / 0.276							
		TUBE **THICKNESS**	**mm/in**	0.28 / 0.011							
		FIN **MATERIAL**		ALUMINIUM (HYDROPHILIC SLIT FIN)							
		FIN **THICKNESS**	**mm/in**	0.11 / 0.0043							
		FIN **ROW**		2							
		FIN **FIN PER INCH**		18							
		FACE AREA	**m^2/ft^2**	0.234 / 2.516							0.269 / 2.900
	DIMENSION		**HEIGHT**	**mm/in**	260 / 10.2						306 / 12.0
			WIDTH	**mm/in**	899 / 35.4						1062 / 41.8
			DEPTH	**mm/in**	198 / 7.8						222 / 8.7
	WEIGHT			**kg**	12						16
	SOUND PRESSURE LEVEL (H/M/L)			**dBA**	39 / 34 / 28	42 / 36 / 29	39 / 34 / 28	42 / 36 / 29	42 / 36 / 29	39 / 34 / 28	44 / 40 /35
	CONTROL		**ROOM TEMPERATURE**	MICROCOMPUTER CONTROLLED THERMOSTAT							
			AIR DISCHARGE	AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)							
			OPERATION	LCD WIRELESS MICRO COMPUTER REMOTE CONTROL							
	CONDENSATE DRAIN SIZE			**mm/in**	16 / 0.63						20 / 0.79
	AIR FILTER				WASHABLE SARANET						
	PACKING DIMENSION		**HEIGHT**	**mm/in**	337 / 13.3						378 / 14.9
			WIDTH	**mm/in**	957 / 37.7						1130 / 44.5
			DEPTH	**mm/in**	270 / 10.6						292 / 11.5
OUTDOOR UNIT	**COMP**	**COMPRESSOR TYPE**		ROTARY							
		NUMBER		3							
		CAPACITOR	**μF**	30 / 30							40 / -
		LOCK ROTOR AMP	**A**	20 / 26	20 / 26	25 / 33	20 / 26	25 / 33	25 / 33	20 / -	47 / -
		INPUT POWER	**W**	823	823	1263	823	1263	1263	823	1971
		PROTECTION DEVICE		OVERLOAD PROTECTION							
	FAN	**FAN TYPE / DRIVE**		PROPELLER / DIRECT							
		BLADE MATERIAL		GLASS REINFORCED ACRLY STYRENE RESIN							
		DIAMETER	**mm/in**	486.2 / 19							
		RATED RUNNING CURRENT	**A**	0.92 / 1.41							0.92 / -
		RATED OUTPUT POWER	**W**	150 / 166							150 / -
		RATED INPUT POWER	**W**	215 / 291							215 / -
		AIR FLOW	**CFM/LPS**	2400 / 1133							
	COIL	**TUBE** **MATERIAL**		SEAMLESS COPPER						SEAMLESS INNER GROOVED COPPER	
		TUBE **DIAMETER**	**mm/in**	0.95 / 3/8							
		TUBE **THICKNESS**	**mm/in**	0.35 / 0.014						0.33 / 0.013	
		FIN **MATERIAL**		ALUMINIUM (SLIT FIN TYPE)							
		FIN **THICKNESS**	**mm/in**	0.12 / 0.005							
		FIN **ROW**		3							
		FIN **FIN PER INCH**		14							
		FACE AREA	**m^2/ft^2**	0.50 / 5.39							
	DIMENSION		**HEIGHT**	**mm/in**	631.7 / 24.9						
			WIDTH	**mm/in**	960 / 37.8						
			DEPTH	**mm/in**	437 / 17.2						
	WEIGHT			**kg**	97	101		105		109	104
	SOUND PRESSURE LEVEL			**dBA**	61	61		62		62	61
	CASING		**MATERIAL**	GALVANISED MILD STEEL							
			THICKNESS	**mm/in**	1.0 - 1.2 / 0.039 - 0.047						
			FINISHING	EPOXY POLYESTER POWDER							
	PIPE	**TYPE**		FLARE VALVE							
		SIZE	**LIQUID**	**mm/in**	6.35 / 1/4						
			GAS	**mm/in**	9.52 / 3/8	9.52 / 3/8	12.7 / 1/2	9.52 / 3/8	12.7 / 1/2	12.7 / 1/2	9.52 / 3/8	15.88 / 5/8
	PACKING DIMENSION		**HEIGHT**	**mm/in**	824 / 32.4						
			WIDTH	**mm/in**	1,194 / 47.0						
			DEPTH	**mm/in**	611 / 24.1						
	REFRIGERANT CHARGE			**kg**	3 x 0.800	2 x 0.800	0.825	0.800	2 x 0.825	3 x 0.825	3 x 0.650	1.075

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3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:

a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR

4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.

POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.

5) ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.

AMST SERIES COOLING ONLY

MODEL		**OUTDOOR UNIT**			AMST101025A		AMST101525A			AMST151525A	
		INDOOR UNIT			2 x AWMS10G	AWMS25G	AWMS10G	AWMS15G	AWMS25G	2 x AWMS15G	AWMS25G
NOMINAL				**kcal/h**	2 x 2,394	5,796	2,394	3,024	5,796	2 x 3024	5,796
COOLING				**W**	2 x 2,784	6,741	2,784	3,517	6,741	2 x 3517	6,741
CAPACITY				**Btu/h**	2 x 9,500	23,000	9,500	12,000	23,000	2 x 12000	23,000
RATED TOTAL POWER CONSUMPTION				**W**	4,280		4,790			5,300	
RATED TOTAL RUNNING CURRENT				**A**	20.2		22.7			25.1	
POWER SOURCE				**V/Ph/Hz**	220 ~ 240 / 1 / 50						
REFRIGERANT / CONTROL					R22 / OUTDOOR CAPILLARY TUBE						
INDOOR UNIT	**FAN**	**FAN TYPE**			ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT						
		AIR FLOW	**HIGH**	**CFM/LPS**	300 / 141.6	650 / 306.77	300 / 141.6	345 / 162.82	650 / 306.77	345 / 162.82	650 / 306.77
			MEDIUM	**CFM/LPS**	250 / 117.99	500 / 235.97	250 / 117.99	285 / 134.51	500 / 235.97	285 / 134.51	500 / 235.97
			LOW	**CFM/LPS**	200 / 94.39	450 / 212.38	200 / 94.39	220 / 103.83	450 / 212.38	220 / 103.83	450 / 212.38
		FAN MOTOR			4 POLES x 9W	4P x 25W	4 POLES x 9W	4P x 13W	4P x 25W	4P x 13W	4P x 25W
		INPUT POWER		**W**	26	69	26	29	69	29	69
		RUNNING CURRENT		**A**	0.11	0.29	0.11	0.13	0.29	0.13	0.29
		FAN MOTOR PROTECTION			THERMAL OVERLOAD						
	COIL	**TUBE**	**MATERIAL**		SEAMLESS INNER GROOVED COPPER						
			DIAMETER	**mm/in**	7.0 / 0.276						
			THICKNESS	**mm/in**	0.28 / 0.011						
		FIN	**MATERIAL**		ALUMINIUM (HYDROPHILIC SLIT FIN)						
			THICKNESS	**mm/in**	0.11 / 0.0043						
			ROW		2						
			FIN PER INCH		18						
		FACE AREA		**m^2/ft^2**	0.234 / 2.516	0.269 / 2.900	0.234 / 2.516		0.269 / 2.900	0.234 / 2.516	0.269 / 2.900
		DIMENSION	**HEIGHT**	**mm/in**	260 / 10.2	306 / 12.04	260 / 10.2		306 / 12.04	260 / 10.2	306 / 12.04
			WIDTH	**mm/in**	899 / 35.4	1062 / 41.79	899 / 35.4		1062 / 41.79	899 / 35.4	1062 / 41.79
			DEPTH	**mm/in**	198 / 7.8	222 / 8.74	198 / 7.8		222 / 8.74	198 / 7.8	222 / 8.74
	WEIGHT			**kg**	12	16	12		16	12	16
	SOUND PRESSURE LEVEL (H/M/L)			**dBA**	39 / 34 / 28	49 / 43 / 40	39 / 34 / 28	42 / 36 / 29	49 / 43 / 40	42 / 36 / 29	49 / 43 / 40
	CONTROL		**ROOM TEMPERATURE**		MICROCOMPUTER CONTROLLED THERMOSTAT						
			AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)						
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL						
	CONDENSATE DRAIN SIZE			**mm/in**	16 / 0.63	20 / 0.79	16 / 0.63		20 / 0.79	16 / 0.63	20 / 0.79
	AIR FILTER				WASHABLE SARANET						
	PACKING DIMENSION		**HEIGHT**	**mm/in**	337 / 13.3	378 / 14.9	337 / 13.3	337 / 13.3	378 / 14.9	337 / 13.3	378 / 14.9
			WIDTH	**mm/in**	957 / 37.7	1130 / 44.5	957 / 37.7	957 / 37.7	1130 / 44.5	957 / 37.7	1130 / 44.5
			DEPTH	**mm/in**	270 / 10.6	292 / 11.5	270 / 10.6	270 / 10.6	292 / 11.5	270 / 10.6	292 / 11.5
OUTDOOR UNIT	**COMP**	**COMPRESSOR TYPE**			ROTARY						
		NUMBER			3						
		CAPACITOR		**µF**	30 / 30	45	30	30	45	30 / 30	45
		LOCK ROTOR AMP		**A**	20 / 20	62	20	25	62	25 / 25	62
		INPUT POWER		**W**	823	2430	823	1250	2430	1250	2430
		PROTECTION DEVICE			OVERLOAD PROTECTION						
	FAN	**FAN TYPE / DRIVE**			PROPELLER / DIRECT						
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN						
		DIAMETER		**mm/in**	610 / 24						
		RATED RUNNING CURRENT		**A**	1.1						
		RATED OUTPUT POWER		**W**	145						
		RATED INPUT POWER		**W**	241						
	COIL	**TUBE**	**MATERIAL**		SEAMLESS COPPER						
			DIAMETER	**mm/in**	9.52 / 3/8						
			THICKNESS	**mm/in**	0.35 / 0.014						
		FIN	**MATERIAL**		ALUMINIUM (SLIT FIN TYPE)						
			THICKNESS	**mm/in**	0.127 / 0.005						
			ROW		2						
			FIN PER INCH		16						
		FACE AREA		**m^2/ft^2**	0.87 / 9.33						
		DIMENSION	**HEIGHT**	**mm/in**	850 / 33.46						
			WIDTH	**mm/in**	1030 / 40.55						
			DEPTH	**mm/in**	400 / 15.75						
	WEIGHT			**kg**	117		120			123	
	SOUND PRESSURE LEVEL			**dBA**	57						
	CASING		**MATERIAL**		GALVANISED MILD STEEL						
			THICKNESS	**mm/in**	0.8 / 0.031						
			FINISHING		EPOXY POLYESTER POWDER						
	PIPE	**TYPE**			FLARE VALVE						
		SIZE	**LIQUID**	**mm/in**	6.35 / 1/4	9.52 / 3/8	6.35 / 1/4	6.35 / 1/4	9.52 / 3/8	6.35 / 1/4	9.52 / 3/8
			GAS	**mm/in**	9.52 / 3/8	15.88 / 5/8	9.52 / 3/8	12.7 / 1/2	15.88 / 5/8	12.7 / 1/2	15.88 / 5/8
	PACKING DIMENSION		**HEIGHT**	**mm/in**	1000 / 39.37						
			WIDTH	**mm/in**	1200 / 47.24						
			DEPTH	**mm/in**	560 / 22.05						
	REFRIGERANT CHARGE			**kg**	2 x 0.740	1.440	0.740	0.870	1.440	2 x 0.870	1.440

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3) NOMINAL COOLING AND HEATING CAPACITY ARE BASED ON THE CONDITIONS BELOW:

a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR

4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.

POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.

5) *ALL SPECIFICATIONS ARE TENTATIVE SPECIFICATIONS AT THE TIME OF PRINTING. PLEASE CONSULT YOUR DEALER FOR CONFIRMATION.*

A4MST SERIES COOLING ONLY

MODEL			OUTDOOR UNIT		A4MST101010A	A4MST101015A		A4MST101515A		A4MST151515A
			INDOOR UNIT		3 x AWMS10G	2 x AWMS10G	AWMS15G	AWMS10G	2 x AWMS15G	3 x AWMS15G
NOMINAL				kcal/h	3 x 2268	2 x 2268	3024	2268	2 x 3024	3 x 3024
COOLING				W	3 X 2638	2 X 2638	3517	2638	2 x 3517	3 x 3517
CAPACITY				Btu/h	3 X 9000	2 X 9000	12000	9000	2 x 12000	3 x 12000
RATED TOTAL POWER CONSUMPTION				W	2580	3107		3634		4161
RATED TOTAL RUNNING CURRENT				A	11.1	13.8		16.5		19.0
POWER SOURCE				V/Ph/Hz	220 ~ 240/1/50					
REFRIGERANT / CONTROL					R407C / OUTDOOR CAPILLARY TUBE					
INDOOR UNIT	FAN	FAN TYPE			ANTI FUNGUS CROSS FLOW TANGENTIAL FAN / DIRECT					
		AIR FLOW	HIGH	CFM/LPS	300 / 141.6	300 / 141.6	345 / 162.82	300 / 141.6	345 / 162.82	345 / 162.82
			MEDIUM	CFM/LPS	250 / 117.99	250 / 117.99	285 / 134.51	250 / 117.99	285 / 134.51	285 / 134.51
			LOW	CFM/LPS	200 / 94.39	200 / 94.39	220 / 103.83	200 / 94.39	220 / 103.83	220 / 103.83
		FAN MOTOR			4P x 9W	4P x 9W	4P x 13W	4P x 9W	4P x 13W	4P x 13W
		INPUT POWER		W	26	26	29	26	29	29
		RUNNING CURRENT		A	0.11	0.11	0.13	0.11	0.13	0.13
		FAN MOTOR PROTECTION			THERMAL OVERLOAD					
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER					
			DIAMETER	mm/in	7.0 / 0.276					
			THICKNESS	mm/in	0.28 / 0.011					
		FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)					
			THICKNESS	mm/in	0.11 / 0.0043					
			ROW		2					
			FIN PER INCH		18					
		FACE AREA		m^2/ft^2	0.234 / 2.516					
	DIMENSION		HEIGHT	mm/in	260 / 10.2					
			WIDTH	mm/in	899 / 35.4					
			DEPTH	mm/in	198 / 7.8					
	WEIGHT			kg	12					
	SOUND PRESSURE LEVEL (H/M/L)			dBA	39 / 34 / 28	39 / 34 / 28	42 / 36 / 29	39 / 34 / 28	42 / 36 / 29	42 / 36 / 29
	CONTROL		ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT					
			AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)					
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL					
	CONDENSATE DRAIN SIZE			mm/in	16 / 0.63					
	AIR FILTER				WASHABLE SARANET					
	PACKING DIMENSION		HEIGHT	mm/in	337 / 13.3					
			WIDTH	mm/in	957 / 37.7					
			DEPTH	mm/in	270 / 10.6					
OUTDOOR UNIT	COMP	COMPRESSOR TYPE			ROTARY					
		NUMBER			3					
		CAPACITOR		μF	30					
		LOCK ROTOR AMP		A	20	20	25	20	25	25
		INPUT POWER		W	758	758	1282	758	1282	1282
		PROTECTION DEVICE			OVERLOAD PROTECTION					
	FAN	FAN TYPE / DRIVE			PROPELLER / DIRECT					
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN					
		DIAMETER		mm/in	486.2 / 19					
		RATED RUNNING CURRENT		A	0.98					
		MOTOR OUTPUT		W	150					
		RATED INPUT POWER		W	228					
		AIR FLOW		CFM/LPS	2400 / 1133					
	COIL	TUBE	MATERIAL		SEAMLESS COPPER					
			DIAMETER	mm/in	9.52 / 3/8					
			THICKNESS	mm/in	0.35 / 0.014					
		FIN	MATERIAL		ALUMINIUM (SLIT FIN TYPE)					
			THICKNESS	mm/in	0.12 / 0.005					
			ROW		3					
			FIN PER INCH		14					
		FACE AREA		m^2/ft^2	0.50 / 5.39					
	DIMENSION		HEIGHT	mm/in	631.7/24.9					
			WIDTH	mm/in	960 / 37.8					
			DEPTH	mm/in	437 / 17.2					
	WEIGHT			kg	97	101		105		109
	SOUND PRESSURE LEVEL			dBA	65					
	CASING		MATERIAL		GALVANISED MILD STEEL					
			THICKNESS	mm/in	1.0 - 1.2 / 0.039 - 0.047					
			FINISHING		EPOXY-POLYESTER POWDER					
	PIPE	TYPE			FLARE VALVE					
		SIZE	LIQUID	mm/in	6.35 / 1/4					
			GAS	mm/in	9.52 / 3/8	9.52 / 3/8	12.7 / 1/2	9.52 / 3/8	12.7 / 1/2	12.7 / 1/2
	PACKING DIMENSION		HEIGHT	mm/in	824 / 32.4					
			WIDTH	mm/in	1194 / 47.0					
			DEPTH	mm/in	611 / 24.1					
	REFRIGERANT CHARGE			kg	3 x 0.750	2 x 0.750	0.775	0.750	2 x 0.775	3 x 0.775

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4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.

POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.

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A4MST-AR SERIES HEATPUMP

MODEL		OUTDOOR UNIT		A4MST101010AR	A4MST101015AR		A4MST101515AR		A4MST151515AR
		INDOOR UNIT		3 x AWMS10GR	2 x AWMS10GR	AWMS15GR	AWMS10GR	2 x AWMS15GR	3 x AWMS15GR
NOMINAL			kcal/h	3 x 2268	2 x 2268	3024	2268	2 x 3024	3 x 3024
COOLING			W	3 x 2638	2 x 2638	3517	2638	2 x 3517	3 x 3517
CAPACITY			Btu/h	3 x 9000	2 x 9000	12000	9000	2 x 12000	3 x 12000
NOMINAL			kcal/h	3 x 2268	2 x 2268	2772	2268	2 x 2772	3 x 2772
HEATING			W	3 x 2638	2 x 2638	3224	2638	2 x 3224	3 x 3224
CAPACITY			Btu/h	3 x 9000	2 x 9000	11000	9000	2 x 11000	3 x 11000
RATED TOTAL POWER CONSUMPTION (COOLING)			W	2691	3069		3447		3825
RATED TOTAL POWER CONSUMPTION (HEATING)			W	2439	2773		3107		3441
RATED TOTAL RUNNING CURRENT (COOLING)			A	11.7	13.7		15.7		17.7
RATED TOTAL RUNNING CURRENT (HEATING)			A	10.6	12.9		15.0		17.1
POWER SOURCE			V/Ph/Hz	220 ~ 240 / 1 / 50					
REFRIGERANT				R407C / OUTDOOR CAPILLARY TUBE					
INDOOR UNIT	FAN TYPE			ANTI FUNGUS CROSS FLOW FAN					
	FAN	AIR FLOW	HIGH	CFM/LPS	300 / 141.6	300 / 141.6	345 / 162.82	300 / 141.6	345 / 162.82	345 / 162.82
			MEDIUM	CFM/LPS	250 / 117.99	250 / 117.99	285 / 134.51	250 / 117.99	285 / 134.51	285 / 134.51
			LOW	CFM/LPS	200 / 94.39	200 / 94.39	220 / 103.83	200 / 94.39	220 / 103.83	220 / 103.83
		FAN MOTOR			4P x 9W	4P x 9W	4P x 13W	4P x 9W	4P x 13W	4P x 13W
		INPUT POWER		W	26	26	29	26	29	29
		RUNNING CURRENT		A	0.11	0.11	0.13	0.11	0.13	0.13
		FAN MOTOR PROTECTION			BUILT IN THERMAL OVERLOAD					
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER					
			DIAMETER	mm/in	7.0 / 0.276					
			THICKNESS	mm/in	0.28 / 0.011					
		FIN	MATERIAL		ALUMINIUM (HYDROPHILIC SLIT FIN)					
			THICKNESS	mm/in	0.11 / 0.0043					
			ROW		2					
			FIN PER INCH		18					
		FACE AREA		m^2/ft^2	0.234 / 2.516					
		DIMENSION	HEIGHT	mm/in	260 / 10.2					
			WIDTH	mm/in	899 / 35.4					
			DEPTH	mm/in	198 / 7.8					
		WEIGHT		kg	12					
		SOUND PRESSURE LEVEL (H/M/L)		dBA	39 / 34 / 28	39 / 34 / 28	42 / 36 / 29	39 / 34 / 28	42 / 36 / 29	42 / 36 / 29
		CONTROL	ROOM TEMPERATURE		MICROCOMPUTER CONTROLLED THERMOSTAT					
			AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & GRILLE (LEFT & RIGHT)					
			OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL					
		CONDENSATE DRAIN SIZE		mm/in	16 / 0.63					
		AIR FILTER			WASHABLE SARANET					
		OPTIONAL AIR FILTER			DUAL ACTION ELECTROSTATIC AIR PURIFYING AND DEODORIZING FILTER					
		PACKING DIMENSION	HEIGHT	mm/in	337 / 13.3					
			WIDTH	mm/in	957 / 37.7					
			DEPTH	mm/in	270 / 10.6					
OUTDOOR UNIT	COMP	COMPRESSOR TYPE			ROTARY					
		NUMBER			3					
		CAPACITOR		µF	30					
		LOCK ROTOR AMP		A	20	20	32	20	32	32
		INPUT POWER		W	795 / 711	795 / 711	1170 / 1042	795 / 711	1170 / 1042	1170 / 1042
		PROTECTION DEVICE			OVERLOAD PROTECTION					
	FAN	FAN TYPE / DRIVE			PROPELLER / DIRECT					
		BLADE MATERIAL			GLASS REINFORCED ACRLY STYRENE RESIN					
		DIAMETER		mm/in	486.2 / 19					
		RATED RUNNING CURRENT		A	0.98					
		MOTOR OUTPUT		W	150					
		RATED INPUT POWER		W	228					
		AIR FLOW		CFM/LPS	2400 / 1133					
	COIL	TUBE	MATERIAL		SEAMLESS INNER GROOVED COPPER					
			DIAMETER	mm/in	0.95 / 3/8					
			THICKNESS	mm/in	0.33 / 0.013					
		FIN	MATERIAL		ALUMINIUM (HYDROPHILIC CORR. FIN)					
			THICKNESS	mm/in	0.12 / 0.005					
			ROW		3					
			FIN PER INCH		14					
		FACE AREA		m^2/ft^2	0.50 / 5.39					
		DIMENSION	HEIGHT	mm/in	631.7 / 24.9					
			WIDTH	mm/in	960 / 37.8					
			DEPTH	mm/in	437 / 17.2					
		WEIGHT		kg	97	101		105		109
		SOUND PRESSURE LEVEL		dBA	66					
		CASING	MATERIAL		GALVANISED MILD STEEL					
			THICKNESS	mm/in	1.0 - 1.2 / 0.039 - 0.047					
			FINISHING		EPOXY POLYESTER POWDER					
	PIPE	TYPE			FLARE VALVE					
		SIZE	LIQUID	mm/in	6.35 / 1/4					
			GAS	mm/in	9.52 / 3/8	9.52 / 3/8	12.7 / 1/2	9.52 / 3/8	12.7 / 1/2	12.7 / 1/2
		PACKING DIMENSION	HEIGHT	mm/in	824 / 32.4					
			WIDTH	mm/in	1194 / 47.0					
			DEPTH	mm/in	611 / 24.1					
		REFRIGERANT CHARGE		kg	3 x 0.885	2 x 0.885	0.965	0.885	2 x 0.965	3 x 0.965

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a) COOLING - 26.7°C DB / 19.4°C WB INDOOR AND 35°C DB OUTDOOR

b) HEATING - 21.1°C DB / 15.6°C WB INDOOR AND 8.3°C DB / 6.1°C WB OUTDOOR
26.7°C DB / 19.4°C WB INDOOR AND 46.1°C DB OUTDOOR

4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.
POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.

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AMSH SERIES - COOLING ONLY

MODELS		**OUTDOOR UNIT**		**AMSH8K8A**	**AMSH8K66A**	**AMSH66K66A**	**AMSH 66K555A**		**AMSH K77A**
		INDOOR UNIT		**AWMS10G (X2)**	**AWMS10G (X3)**	**AWMS10G (X4)**	**AWMS10G (X4)**	**AWMS15G**	**AWMS15G X 2**
POWER SOURCE			**V/Ph/Hz**	220 ~ 240 / 1 / 50					
REFRIGERANT				R 22 / OUTDOOR CAPILLARY TUBE					
INDOOR UNIT	**FAN TYPE**			ANTI FUNGUS CROSS FLOW TANGENTIAL FAN/DIRECT					
	FAN	**AIR FLOW**	**CFM/LPS**	300 / 142				345 / 163	
		FAN MOTOR		4 POLES x 9W				4 POLES x 13W	
		RATED INPUT POWER	**W**	26				29	
		RATED RUNNING CURRENT	**A**	0.11				0.13	
		FAN MOTOR PROTECTION		BUILT IN THERMAL OVERLOAD					
	COIL	**TUBE** **MATERIAL**		SEAMLESS INNER GROOVED COPPER					
		TUBE **DIAMETER**	**mm/in**	7.0 / 0.276					
		TUBE **THICKNESS**	**mm/in**	0.28 / 0.011					
		FIN **MATERIAL**		ALUMINIUM (HYDROPHILIC SLIT FIN)					
		FIN **THICKNESS**	**mm/in**	0.11 / 0.0043					
		FIN **ROW**		2					
		FIN **FIN PER INCH**		18					
		FACE AREA	**m^2/ft^2**	0.234 / 2.516					
	DIMENSION	**HEIGHT**	**mm/in**	260 / 10.2					
		WIDTH	**mm/in**	899 / 35.4					
		DEPTH	**mm/in**	198 / 7.8					
	WEIGHT		**kg**	12					
	SOUND LEVEL - H / M / L		**dBA**	39 / 34 / 28				42 / 36 / 29	
	CONTROL	**ROOM TEMPERATURE**		MICROCOMPUTER CONTROLLED THERMOSTAT					
		AIR DISCHARGE		AUTOMATIC LOUVER (UP & DOWN) & MANUAL ADJUST GRILLE (LEFT & RIGHT)					
		OPERATION		LCD WIRELESS MICRO COMPUTER REMOTE CONTROL					
	CONDENSATE DRAIN SIZE		**mm/in**	16 / 0.63					
	AIR FILTER *			WASHABLE SARANET					
	PACKING DIMENSION	**HEIGHT**	**mm/in**	337 / 13.3					
		WIDTH	**mm/in**	957 / 37.7					
		DEPTH	**mm/in**	270 / 10.6					
OUTDOOR UNIT	**COMP**	**COMPRESSOR TYPE**		ROTARY					
		NUMBER		2					1
		CAPACITOR	**µF**	25 / 25					30
		LOCK ROTOR AMP	**A**	15 / 15			21/ 21		25
		PROTECTION DEVICE		OVERLOAD PROTECTION					
	FAN	**FAN TYPE / DRIVE**		PROPELLER/DIRECT					
		BLADE MATERIAL		GLASS REINFORCED ACRLY STYRENE RESIN					
		DIAMETER	**mm/in**	420 / 16.5					355 /14
		RATED RUNNING CURRENT	**A**	0.7					0.28
		RATED OUTPUT POWER	**W**	80					30
		RATED INPUT POWER	**W**	170					62
	COIL	**TUBE** **MATERIAL**		SEAMLESS COPPER	SEAMLESS INNER GROOVED COPPER				
		TUBE **DIAMETER**	**mm/in**	9.52 / 3/8					
		TUBE **THICKNESS**	**mm/in**	0.35 / 0.014	0.33 / 0.013				
		FIN **MATERIAL**		ALUMINIUM (SLIT FIN TYPE)					
		FIN **THICKNESS**	**mm/in**	0.12 / 0.005					
		FIN **ROW**		2					1
		FIN **FIN PER INCH**		14	16				19
		FACE AREA (m^2/ft^2)		0.51 / 5.53					0.32 / 3.50
	DIMENSION	**HEIGHT (mm/in)**		646 / 25.4					494 / 19.4
		WIDTH (mm/in)		840 / 33.1					740 / 29.1
		DEPTH (mm/in)		330 / 13					270 / 10.6
	DIMENSION	**HEIGHT**	**mm/in**	646 / 25.4					558 / 22.0
		WIDTH	**mm/in**	840 / 33.1					851 / 33.5
		DEPTH	**mm/in**	330 / 13.0					401 / 15.8
	WEIGHT		**kg**	62	63	64	65		35
	CASING	**MATERIAL**		GALVANISED MILD STEEL					
		THICKNESS	**mm/in**	0.8 / 0.031					
		FINISH		EPOXY-POLYESTER POWDER					
	NOISE LEVEL		**dBA**	56					50
	PIPE	**TYPE**		FLARE VALVE					
		PIPE SIZE **LIQUID**	**mm/in**	6.35 / 1/4					
		PIPE SIZE **GAS**	**mm/in**	9.52 / 3/8				12.7 / 1/2	
	PACKING DIMENSION	**HEIGHT**	**mm/in**	710 / 28.0					558 / 2.0
		WIDTH	**mm/in**	982 / 38.7					851 / 33.5
		DEPTH	**mm/in**	461 / 18.1					401 / 15.8
	REFRIGERANT CHARGE		**kg**	2 x 0.675	0.925 / 0.625	2 x 0.825	0.925 / 0.875		0.825

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4) SOUND PRESSURE LEVEL IS ACCORDING TO JIS B 8615 STANDARD.
POSITION OF THE MEASUREMENT POINT IS 1.0 m IN FRONT AND 1.0 m BELOW THE UNIT.
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COOLING CAPACITY
AMSH SERIES - COOLING ONLY

MODEL	OUTDOOR UNIT	AMSHK77A		AMSH8K8A	
	INDOOR UNIT	INDOOR A,B : AWMS15F X 2		INDOOR UNIT A, B : AWMS10G X 2	
NOMINAL	NUMBER OF UNIT	ONE UNIT RUNNING	TWO UNITS RUNNING	ONE UNIT RUNNING	TWO UNITS RUNNING
COOLING	OPERATING	A OR B	A + B	A OR B	A + B
CAPACITY	kcal/h	3100	1840 + 1840	2091	2091 + 2091
	W	3605	2140 + 2140	2433	2433 + 2433
	Btu/h	12300	7300 + 7300	8300	8300 + 8300
POWER CONSUMPTION (W)		1377	1413	825	1494
RUNNING CURRENT (A)		6	6.5	3.6	6.3

MODEL	OUTDOOR UNIT	AMSH8K66A				
	INDOOR UNIT	INDOOR UNIT A1, A2, B : AWMS10G X 2				
NOMINAL	NUMBER OF UNIT	ONE UNIT RUNNING		TWO UNITS RUNNING		THREE UNITS RUNNING
COOLING	OPERATING	A1 OR A2	B	A1+A2	A1+B, OR A2+B	A1+A2+B
CAPACITY	kcal/h	2520	2041	1613 + 1613	2520 + 2041	1613 + 1613 + 2041
	W	2931	2374	1876 + 1876	2931 + 2374	1876 + 1876 +2374
	Btu/h	10000	8100	6400 + 6400	10000 + 8100	6400 + 6400 + 8100
POWER CONSUMPTION (W)		1149	834	1244	1839	1937
RUNNING CURRENT (A)		5.0	3.6	5.3	7.9	8.2

MODEL	OUTDOOR UNIT	AMSH66K66A			
	INDOOR UNIT	INDOOR UNIT A1, A2, B1, B2 : AWMS10G X 2			
NOMINAL	NUMBER OF UNIT	ONE UNIT RUNNING	TWO UNITS RUNNING		FOUR UNITS RUNNING
COOLING	OPERATING	A1, A2, B1, OR B2	A1+A2, OR B1+B2	A1+B1, OR A2+B2	A1+A2+B1+B2
CAPACITY	kcal/h	2520	1613 + 1613	2520 + 2520	4 X 1613
	W	2931	1876 + 1876	2931 + 2931	4 X 1876
	Btu/h	10000	6400 + 6400	10000 + 10000	4 X 6400
POWER CONSUMPTION (W)		1163	1246	2186	2351
RUNNING CURRENT (A)		5.1	5.4	9.6	10.2

MODEL	OUTDOOR UNIT	AMSH66K555A					
	INDOOR UNIT	INDOOR UNIT A1, A2,A3, B1 : AWMS10G X 4, B2 : AWMS15G					
NOMINAL	NUMBER OF UNIT	ONE UNIT RUNNING		TWO UNITS RUNNING			
COOLING	OPERATING	A1,A2,A3, OR B1	B2	A1+A2,A2+A3, OR A3+A1	B1+B2	(A1,A2, OR A3) + B1	(A1,A2, OR A3) + B2
CAPACITY	kcal/h	2520	3024	1613 X 2	1512 + 1764	2520 X 2	2520 + 3024
	W	2931	3517	1876 X 2	1578 + 2052	2931 X 2	2931 + 3517
	Btu/h	10000	12000	6400 X 2	6000 + 7000	10000 X 2	10000 + 12000
POWER CONSUMPTION (W)		1206	1266	1286	1304	2242	2232
RUNNING CURRENT (A)		5.3	5.5	5.6	5.7	9.9	10.1

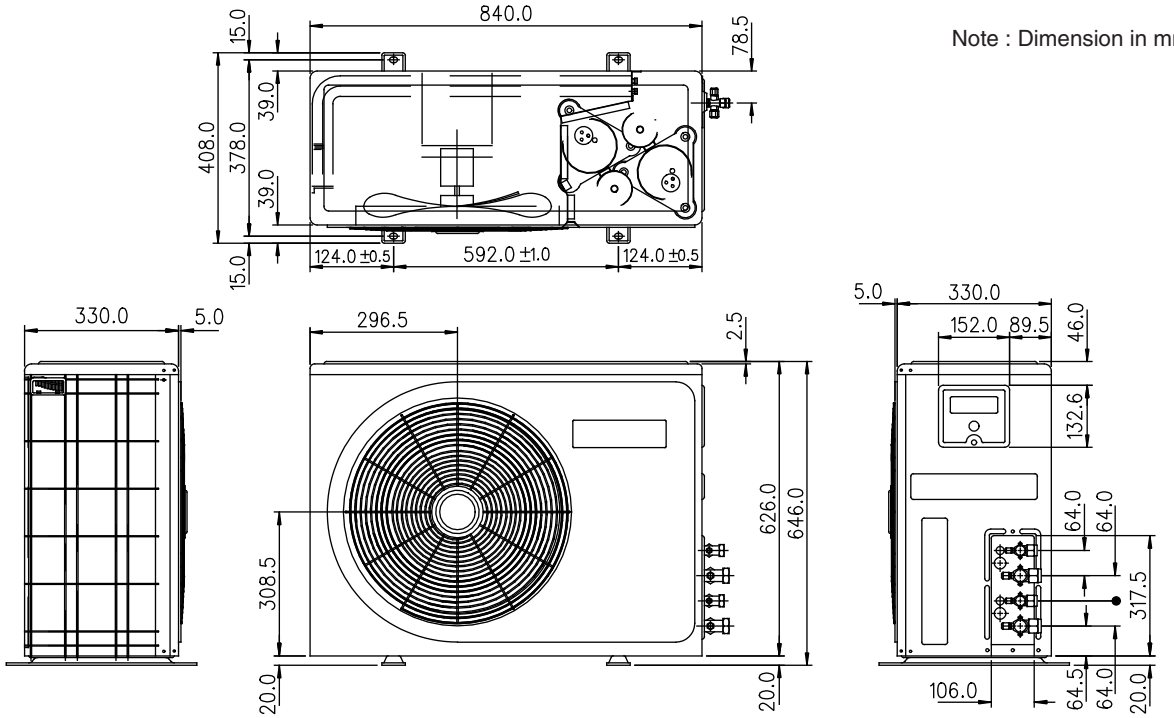
MODEL	OUTDOOR UNIT	AMSH66K555A			
	INDOOR UNIT	INDOOR UNIT A1, A2,A3, B1 : AWMS10G X 4, B2 : AWMS15G			
NOMINAL	NUMBER OF UNIT	THREE UNIT RUNNING			
COOLING	OPERATING	A1 + A2 +A3	A1 + A2 + B1	A1 + A2 + B2	A1 + B1 + B2
CAPACITY	kcal/h	1134 X 3	1613 X 2 + 2520	1613 X 2 + 3024	2520 + 1512 +1764
	W	1319 X 3	1876 X 2 + 2931	1876 X 2 +3517	2931 + 1758 + 2052
	Btu/h	4500 X 3	6400 X 2 + 10000	6400 X 2 + 10000	10000 + 6000 + 7000
POWER CONSUMPTION (W)		1329	2322	2382	2340
RUNNING CURRENT (A)		5.8	10.2	10.4	10.3

MODEL	OUTDOOR UNIT	AMSH66K555A			
	INDOOR UNIT	INDOOR UNIT A1, A2,A3, B1 : AWMS10G X 4, B2 : AWMS15G			
NOMINAL	NUMBER OF UNIT	FOUR UNITS RUNNING			FIVE UNITS RUNNING
COOLING	OPERATING	A1 + A2 + A3 + B1	A1 + A2 + A3 + B2	A1 + A2 + B1 + B2	A1 + A2 + A3 + B1 + B2
CAPACITY	kcal/h	1134 X 3 + 2520	1134 X 3 + 3024	1613 X 2 + 1512 + 1764	1134 X 3 + 1512 + 1764
	W	1319 X 3 + 2931	1319 X 3 + 3517	1876 X 2 + 1758 + 2052	1319 X 3 + 1758 + 2052
	Btu/h	4500 X 3 + 10000	4500 X 3 + 12000	6400 X 2 + 6000 + 7000	4500 X 3 + 6000 + 7000
POWER CONSUMPTION (W)		2365	2425	2420	2464
RUNNING CURRENT (A)		10.4	10.5	10.6	10.8

5. OUTLINES AND DIMENSIONS

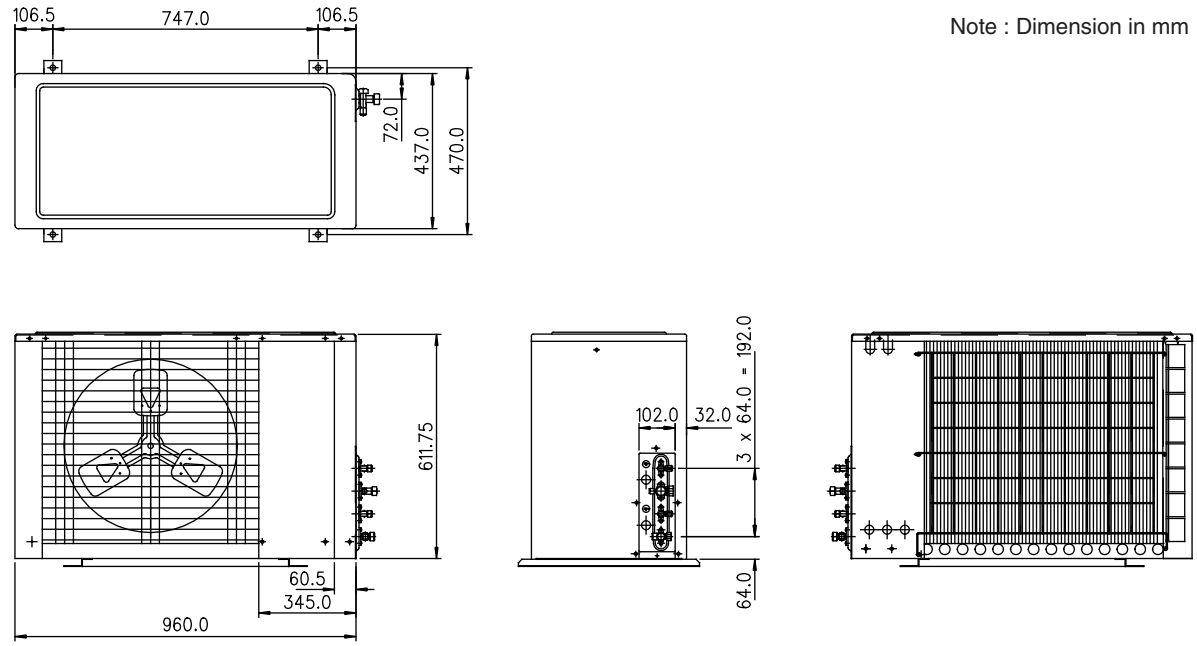
OUTDOOR UNIT
MODEL : AMSD 1010 / 1015 / 1515 A/AR
AMSD 1520 AR
A4MSD 1010 / 1015 / 1515 A/AR

Note : Dimension in mm

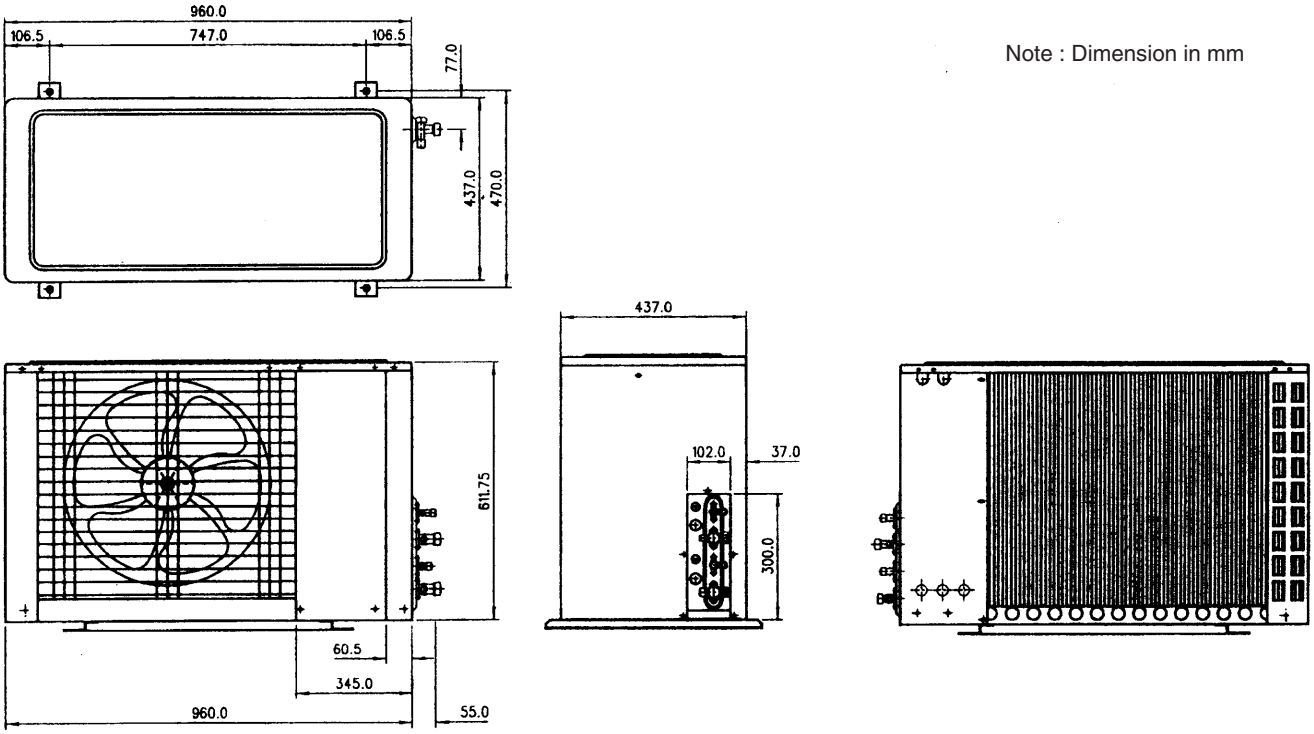


MODEL : AMSD 1020 / 1520 A

Note : Dimension in mm

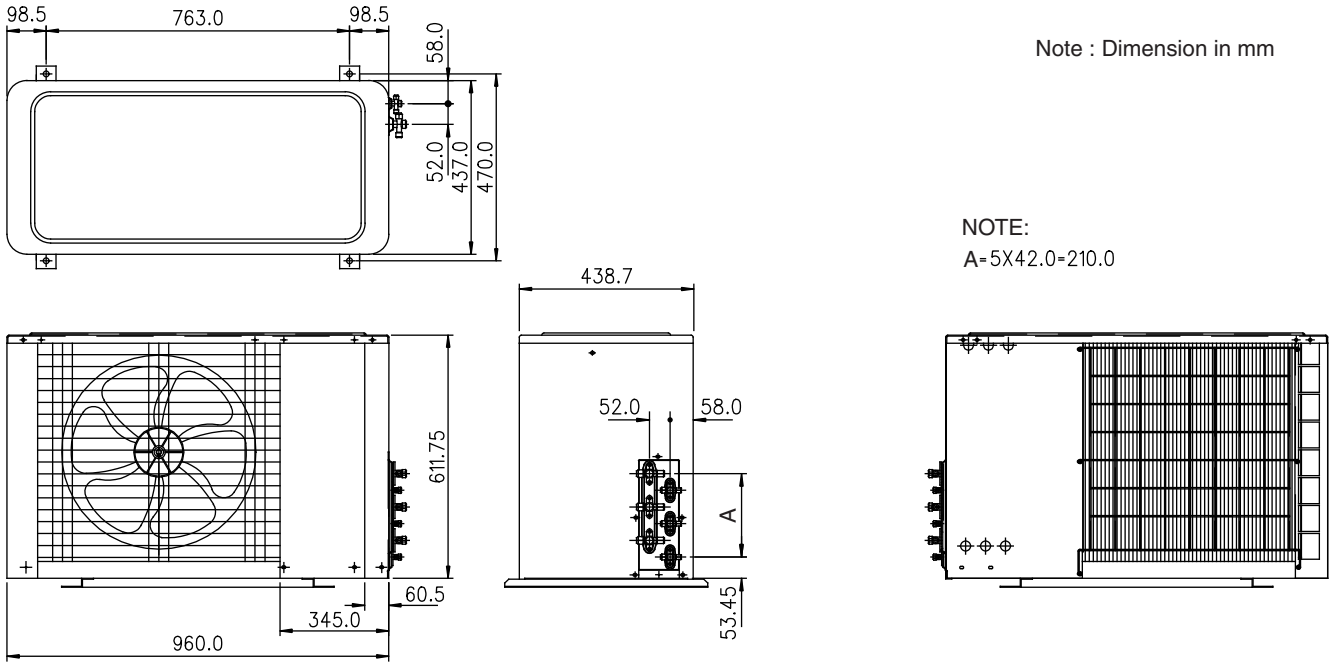


MODEL : AMSD 2020A



Note : Dimension in mm

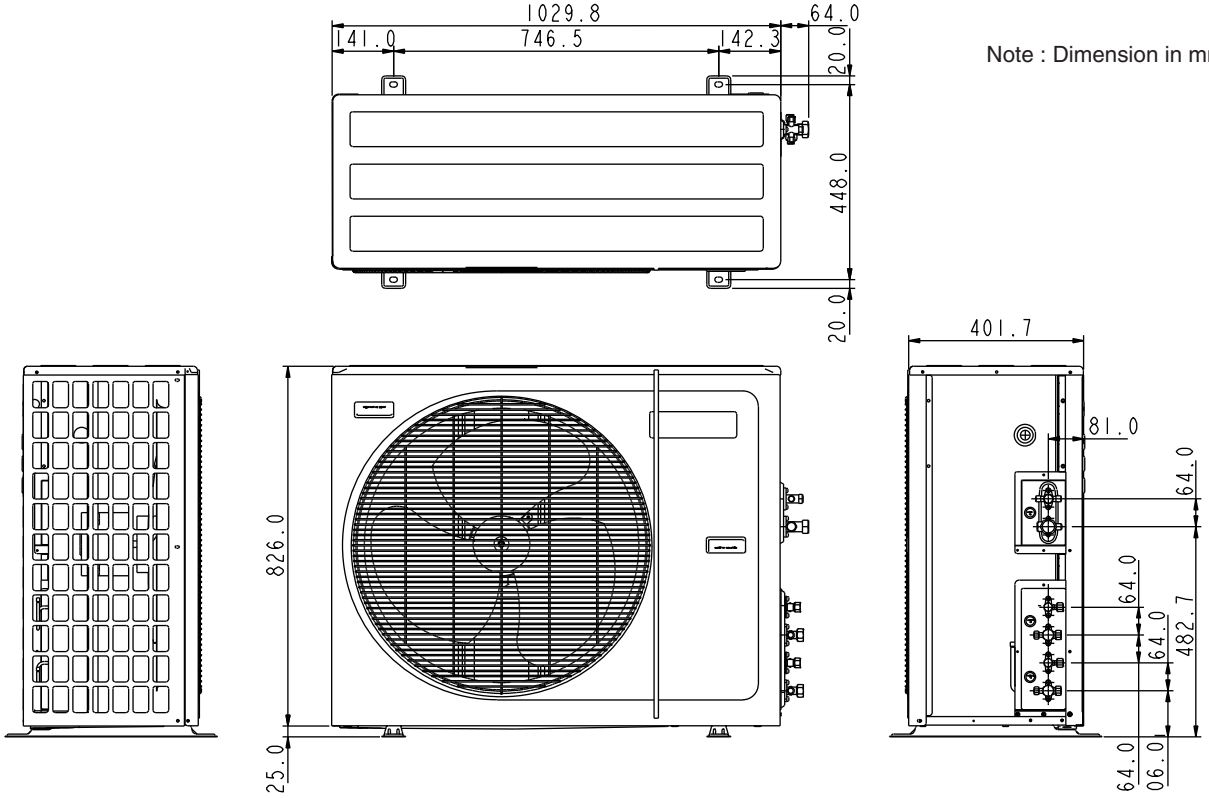
MODEL : AMST 101010 / 101015 / 101515 / 151515 / 101020 A
A4MST 101010 / 101015 / 101515 / 151515 A/AR



Note : Dimension in mm

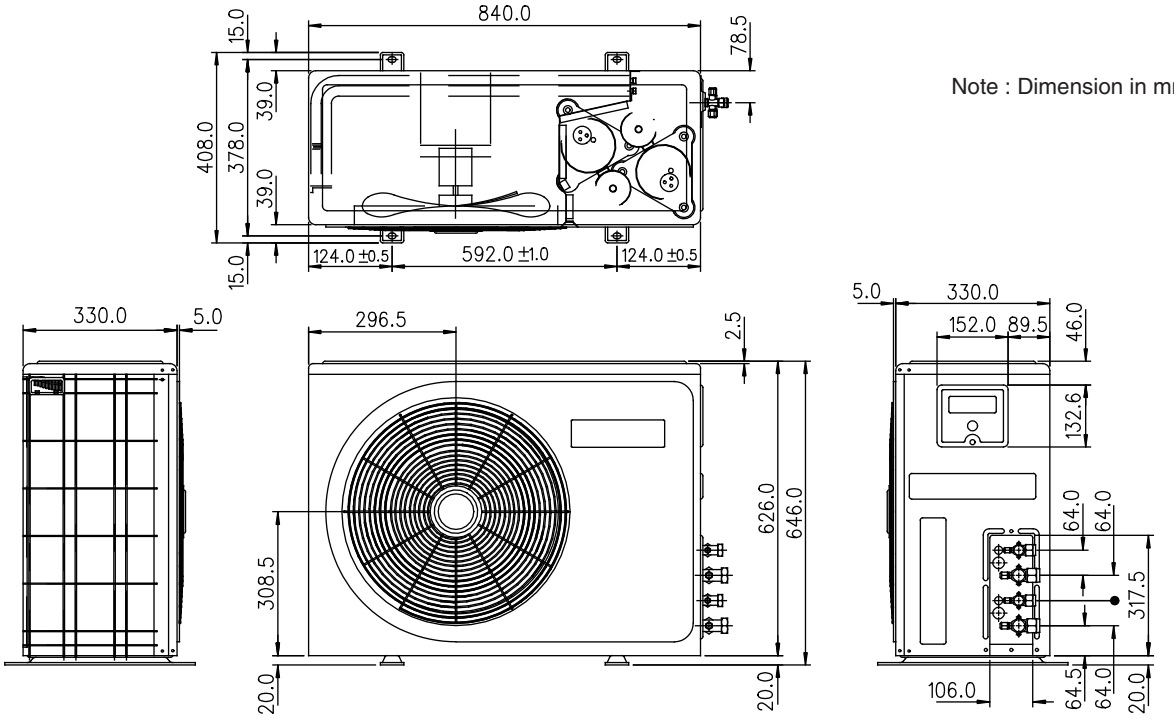
NOTE:
A=5X42.0=210.0

MODEL : AMST 101025 / 101525 / 151525 A



Note : Dimension in mm

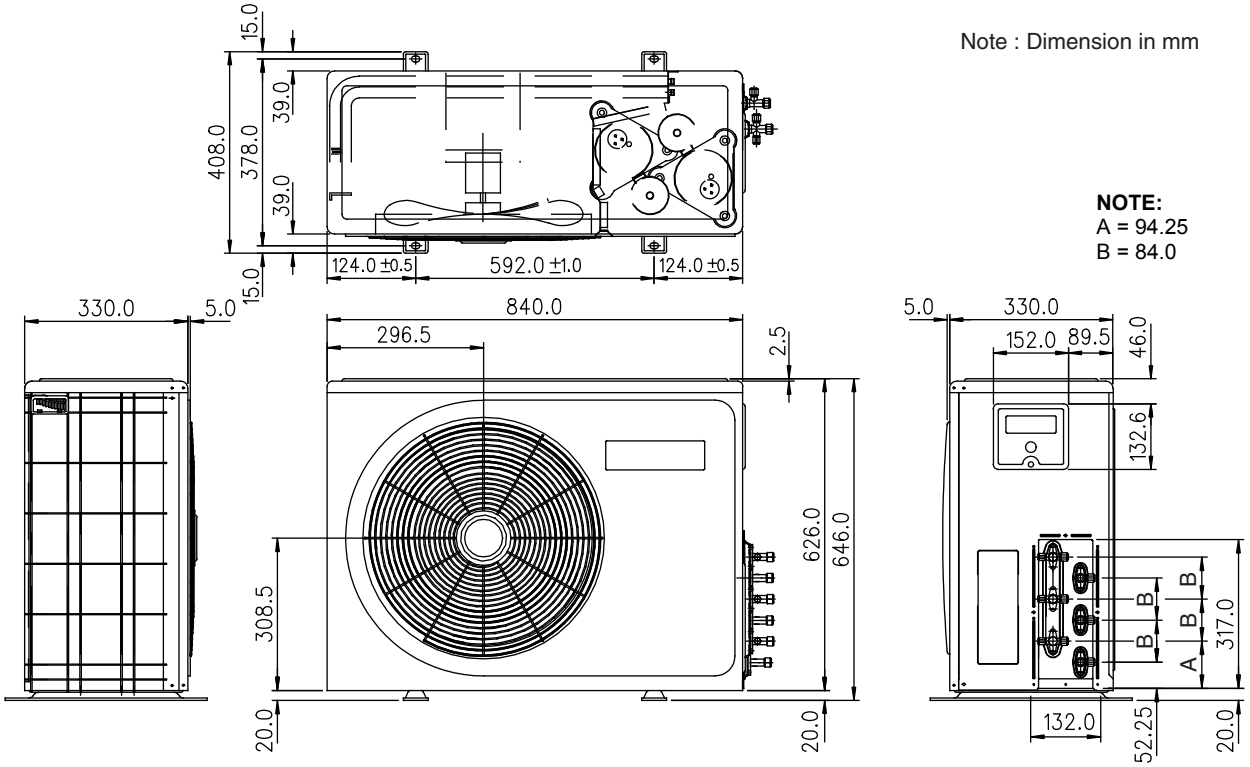
MODEL : AMSH 8K8 A



Note : Dimension in mm

MODEL : AMSH 8K66 A

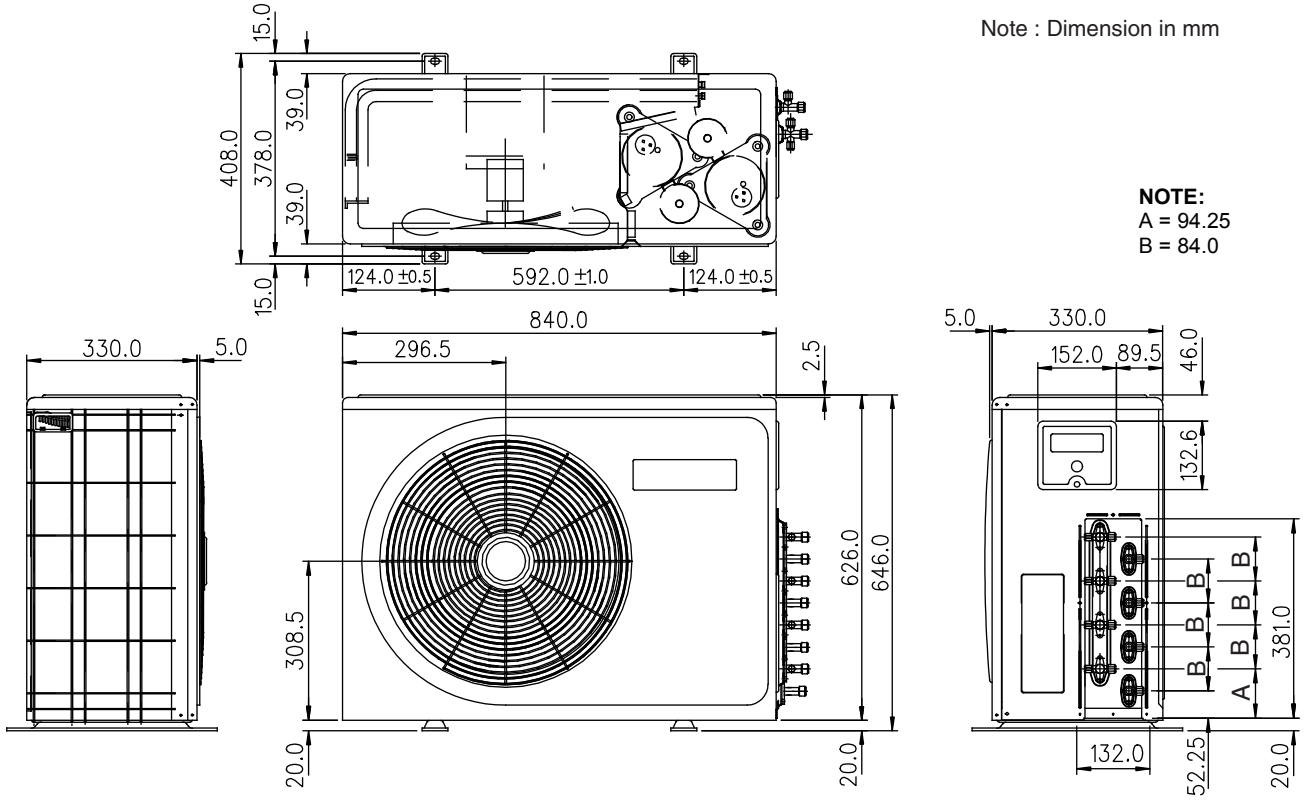
Note : Dimension in mm



NOTE:
A = 94.25
B = 84.0

MODEL : AMSH 66K66 A

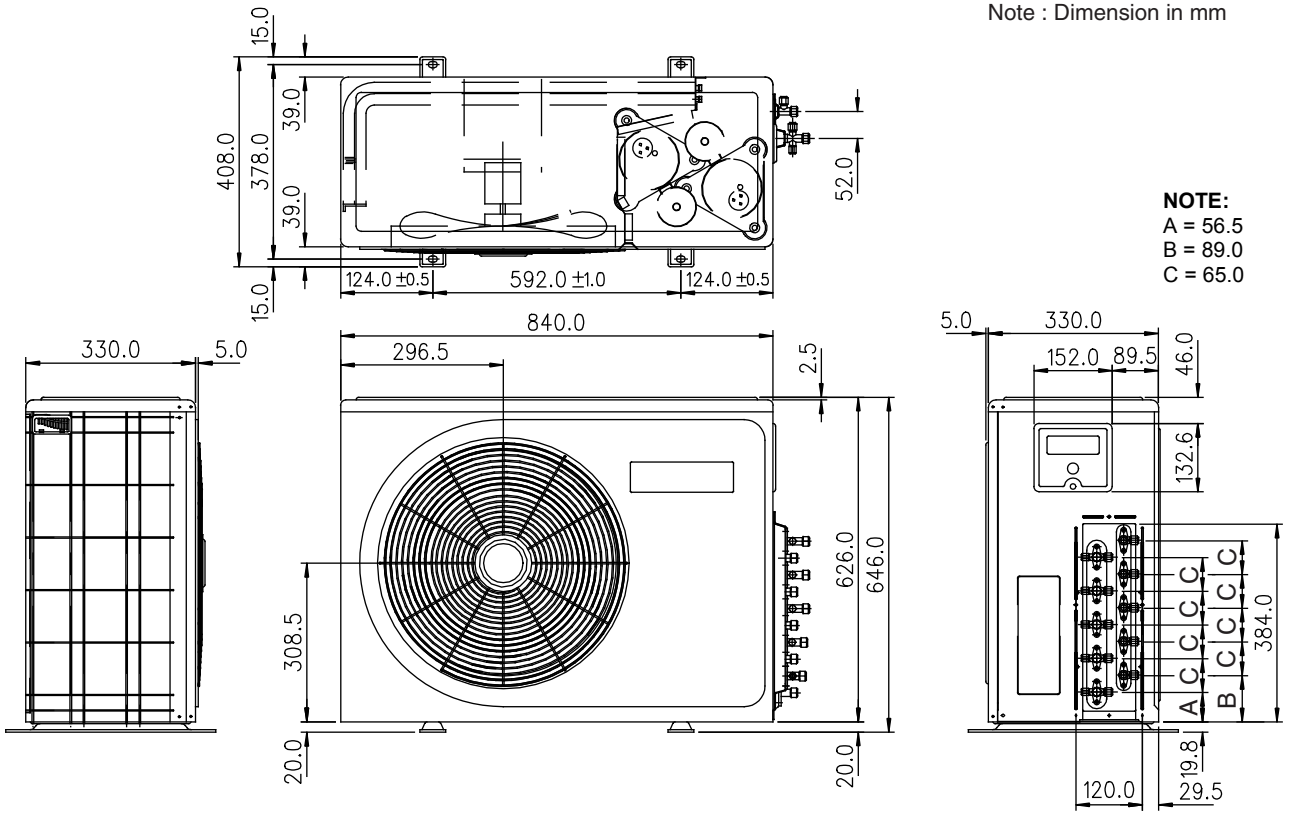
Note : Dimension in mm



NOTE:
A = 94.25
B = 84.0

MODEL : AMSH 66K555 A

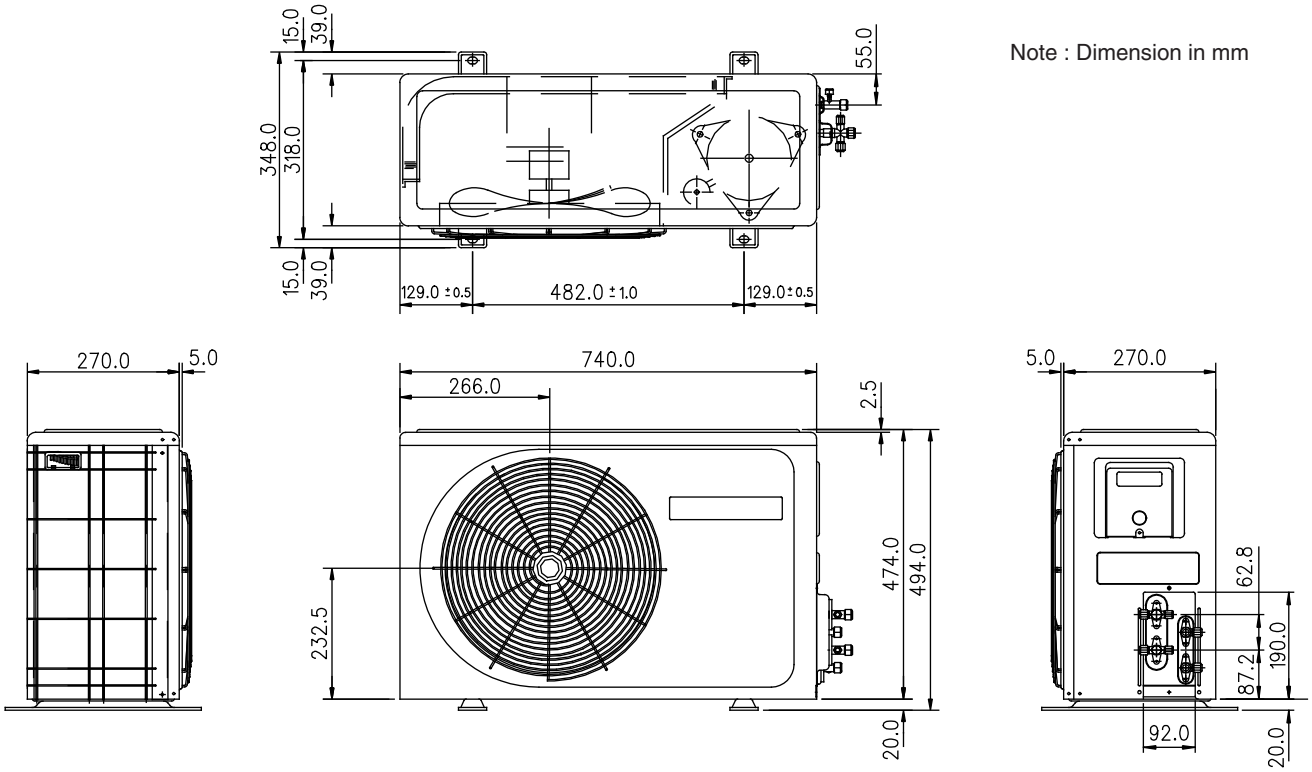
Note : Dimension in mm



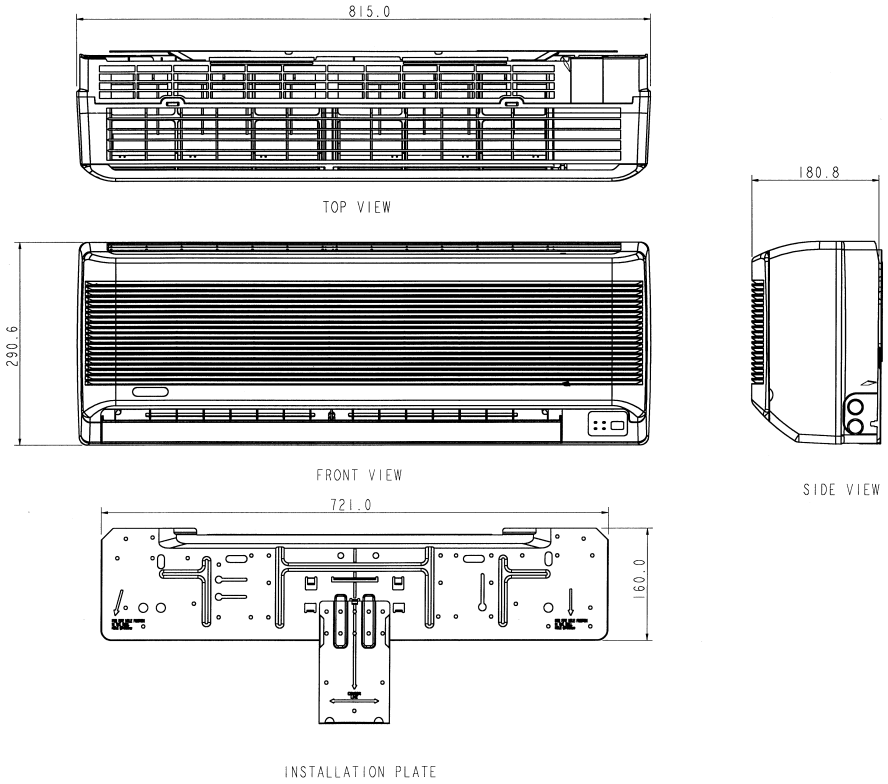
NOTE:
A = 56.5
B = 89.0
C = 65.0

MODEL : AMSH K77 A

Note : Dimension in mm

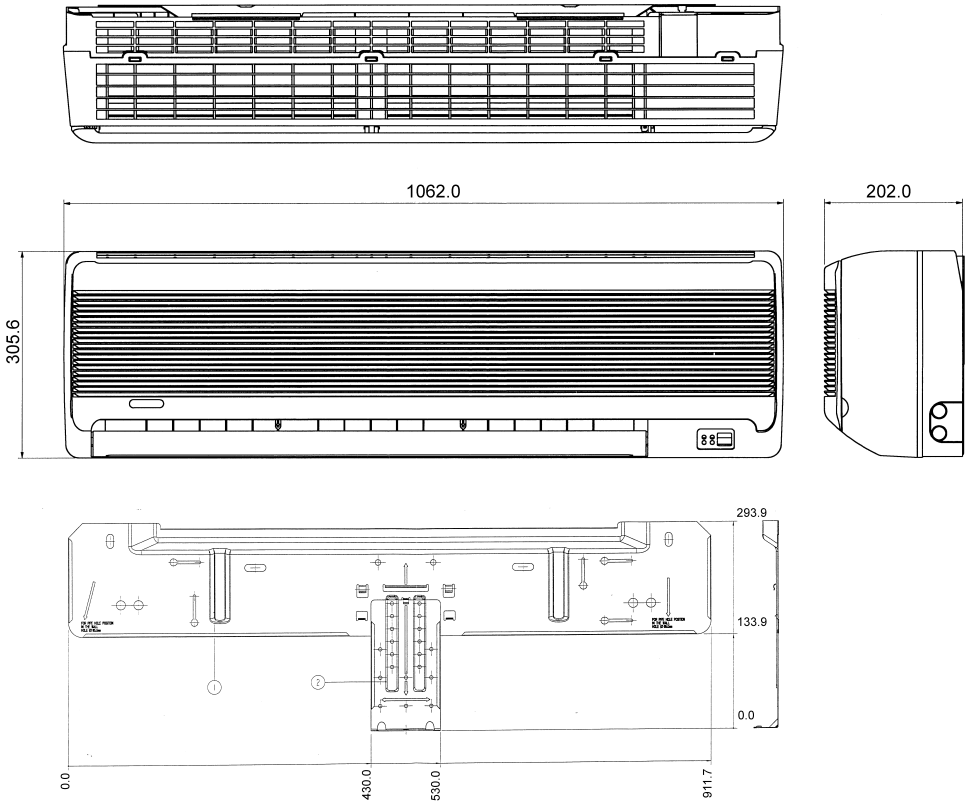


INDOOR UNIT
MODEL: AWMS 10/15 F/FR



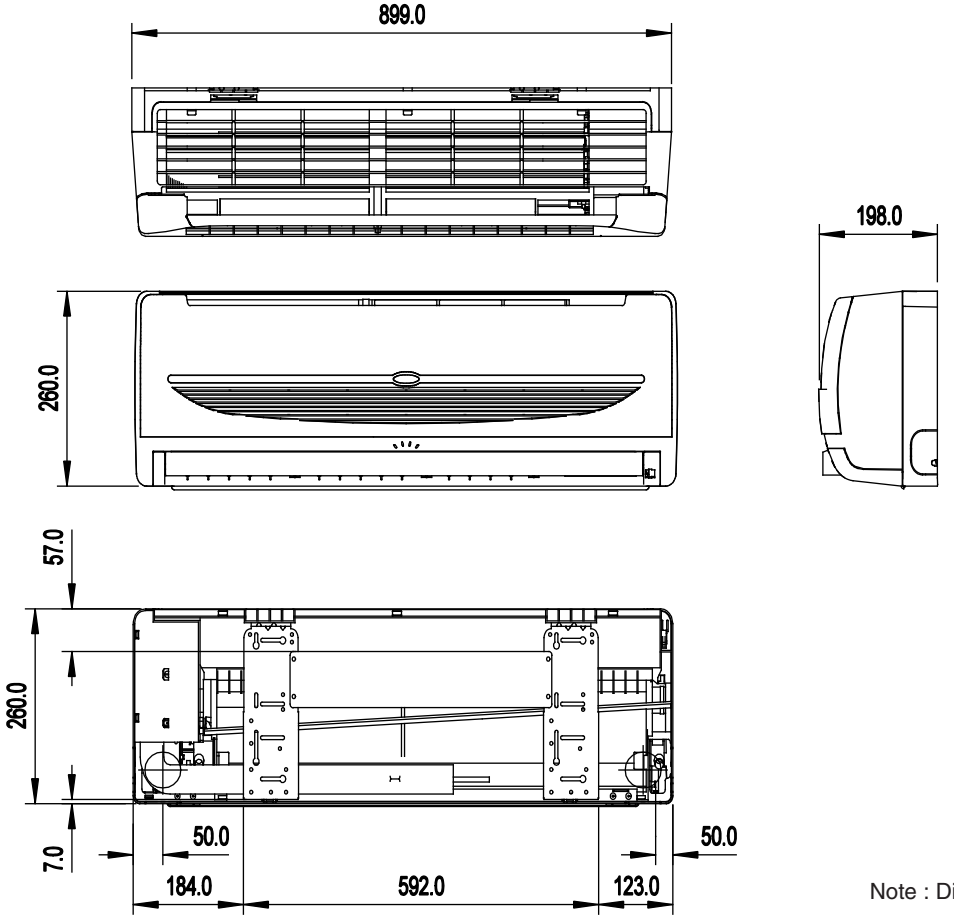
Note : Dimension in mm

INDOOR UNIT
MODEL : AWMS 20 F/FR



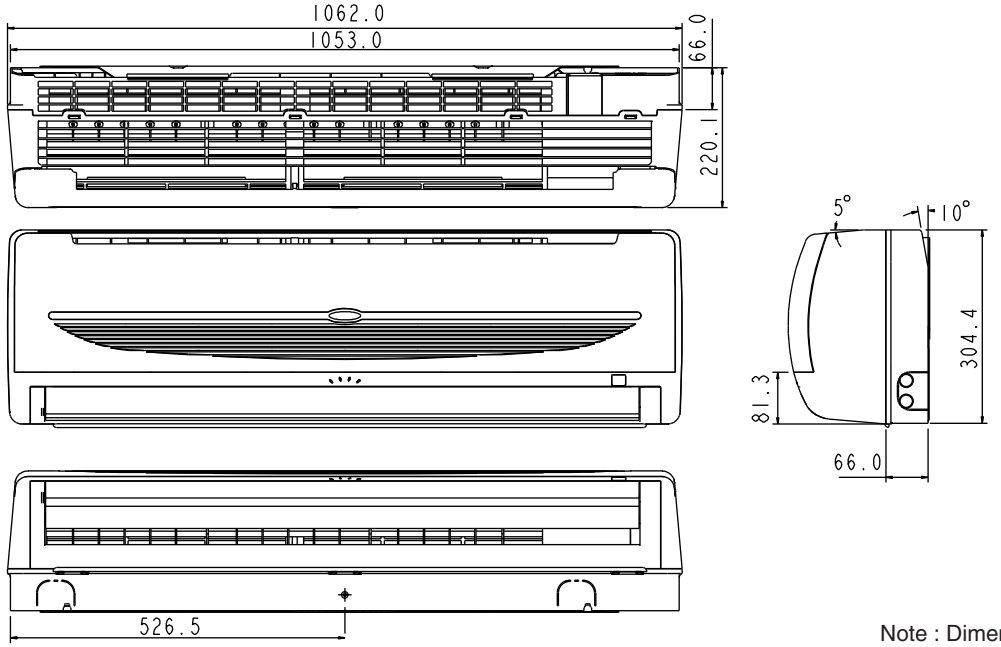
Note : Dimension in mm

INDOOR UNIT
MODEL: AWMS 10/15 G/GR



Note : Dimension in mm

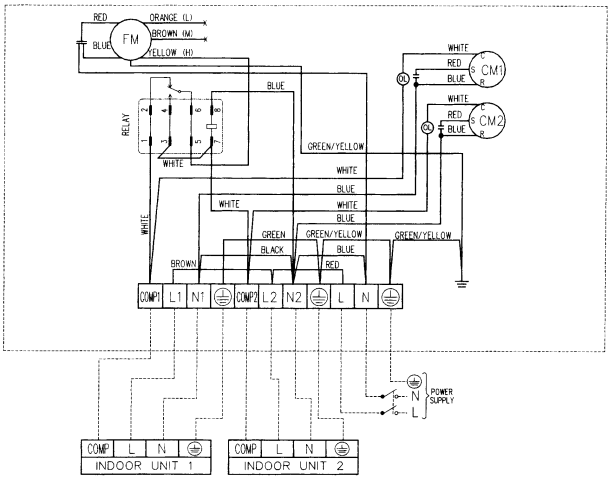
INDOOR UNIT
MODEL : AWMS 20 G/GR



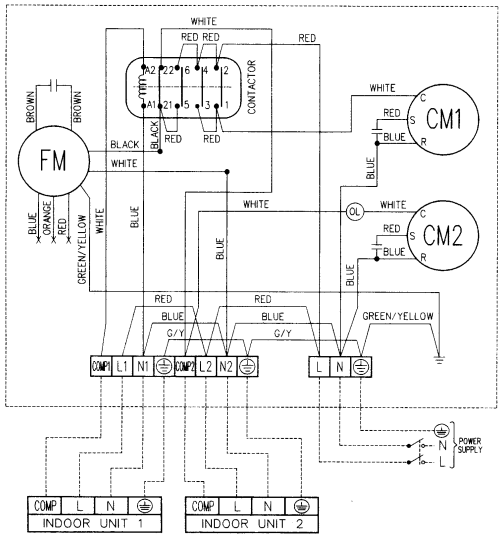
Note : Dimension in mm

6. WIRING DIAGRAMS

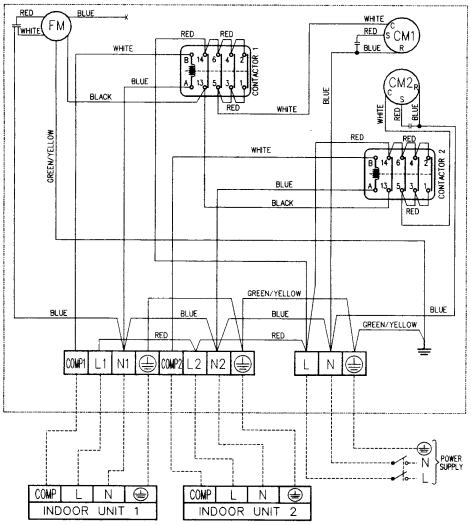
OUTDOOR UNIT – COOLING ONLY
MODEL : AMSD/A4MSD 1010A/ 1015A/ 1515A



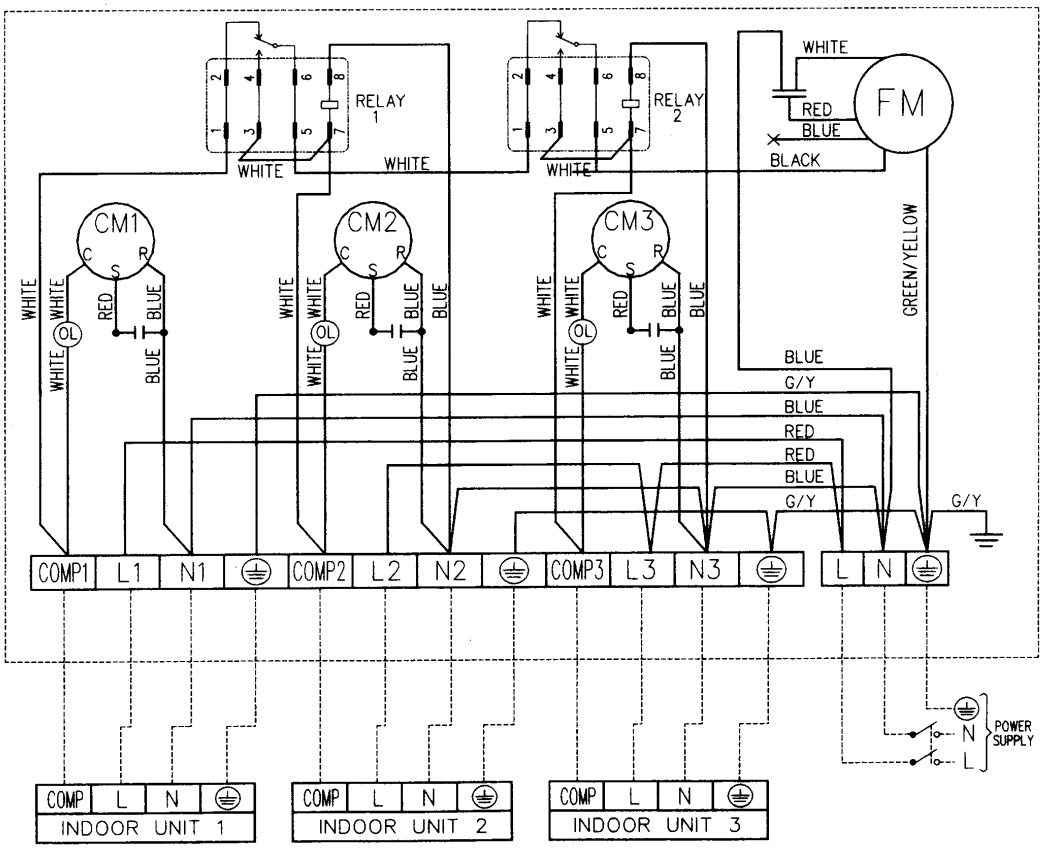
MODEL : AMSD 1020A/ 1520A



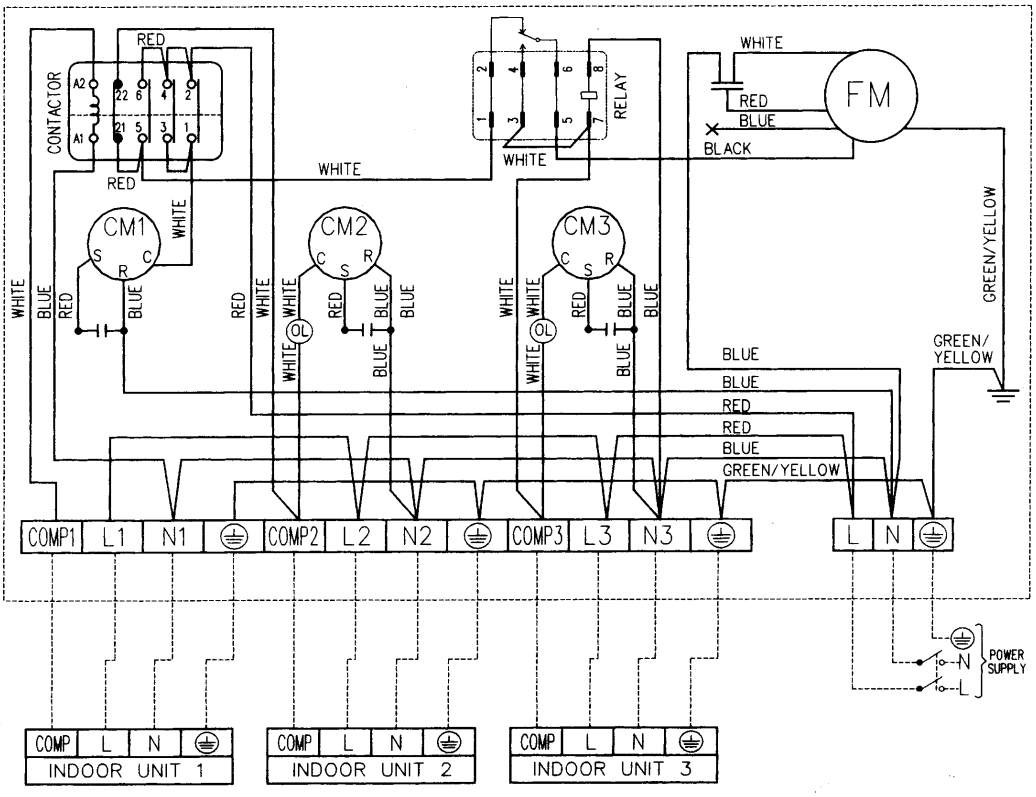
MODEL : AMSD 2020A



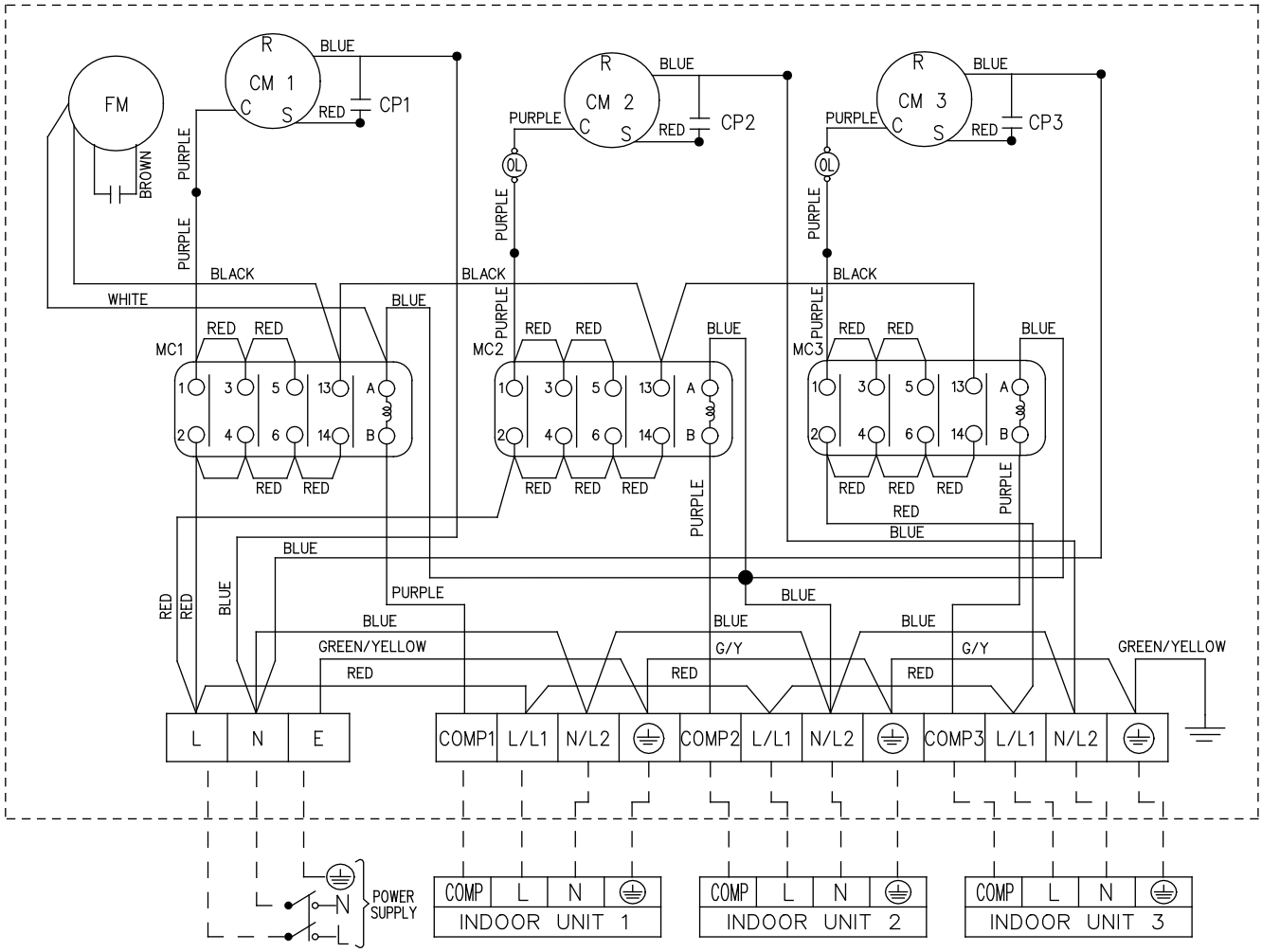
OUTDOOR UNIT – COOLING ONLY
MODEL : AMST/A4MST 101010A/ 101015A/ 101515A/ 151515A



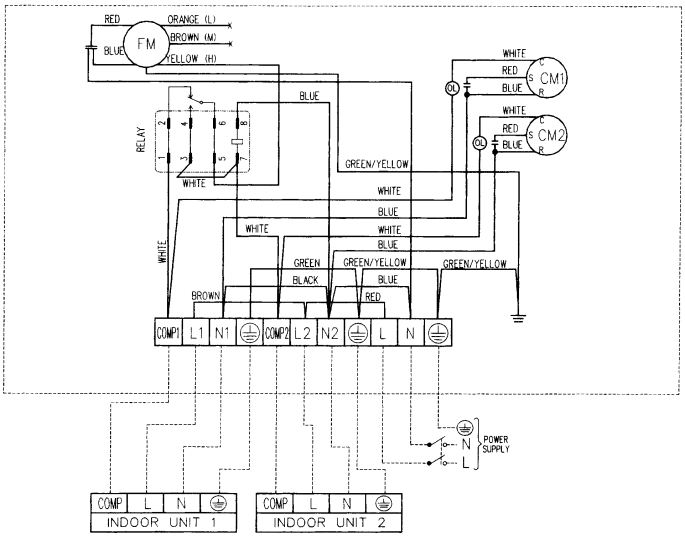
MODEL : AMST 101020A



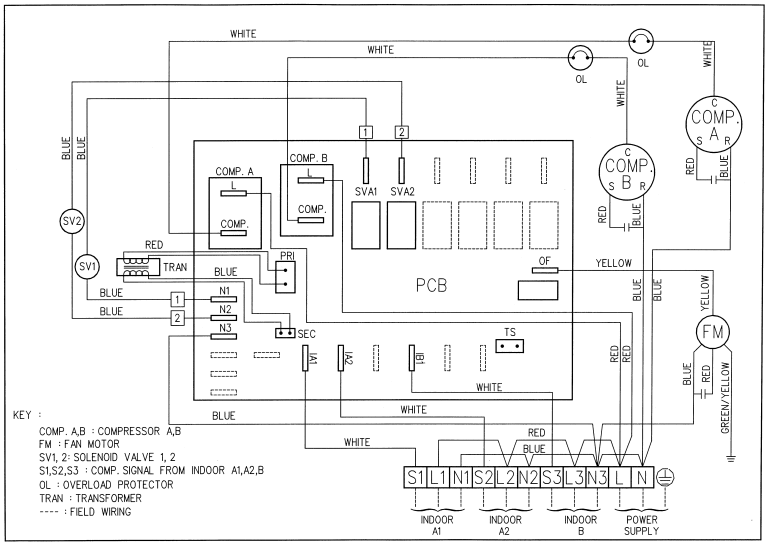
OUTDOOR UNIT – COOLING ONLY
MODEL : AMST 101025/ 101525/ 151525 A



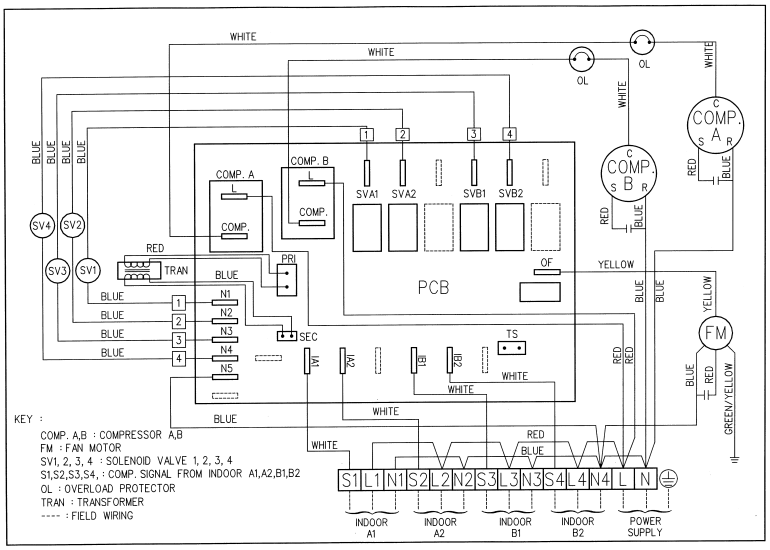
OUTDOOR UNIT – COOLING ONLY
MODEL : AMSH8K8A



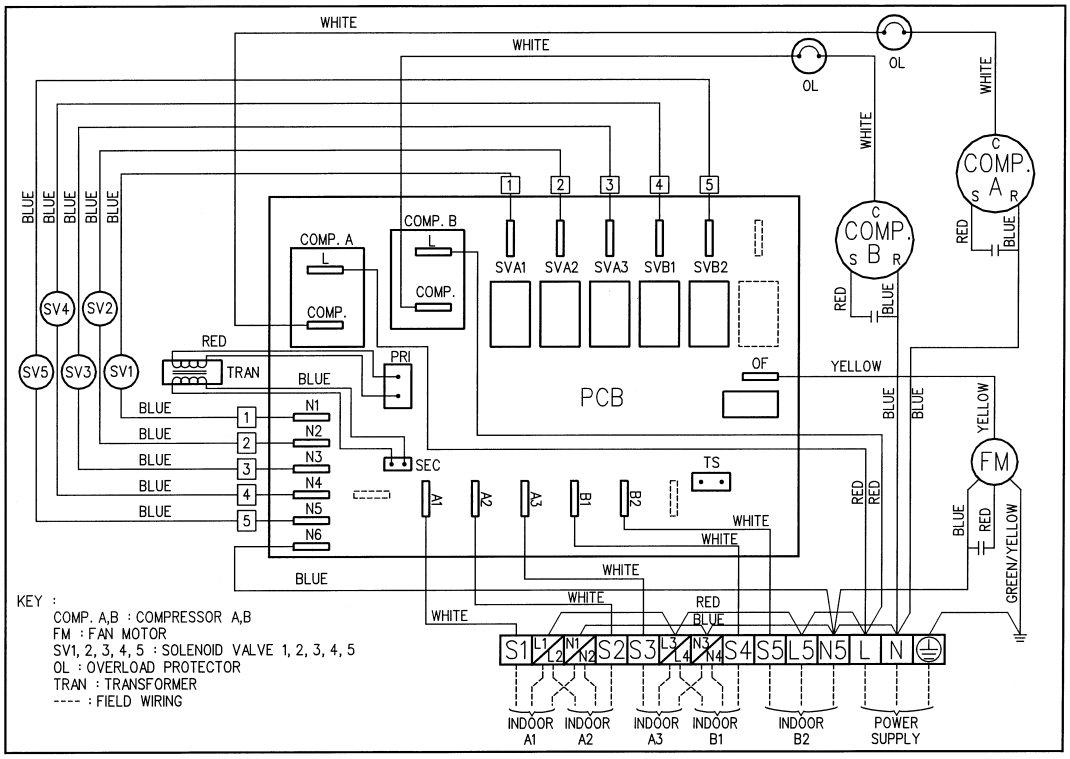
MODEL : AMSH8K66A



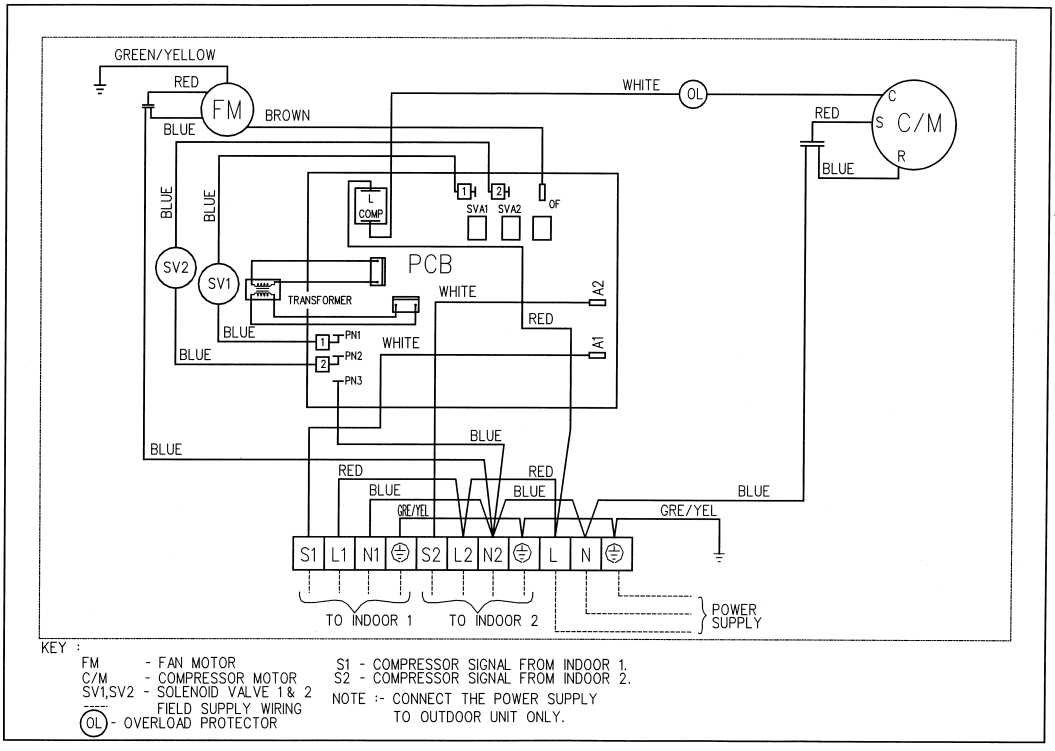
MODEL : AMSH66K66A



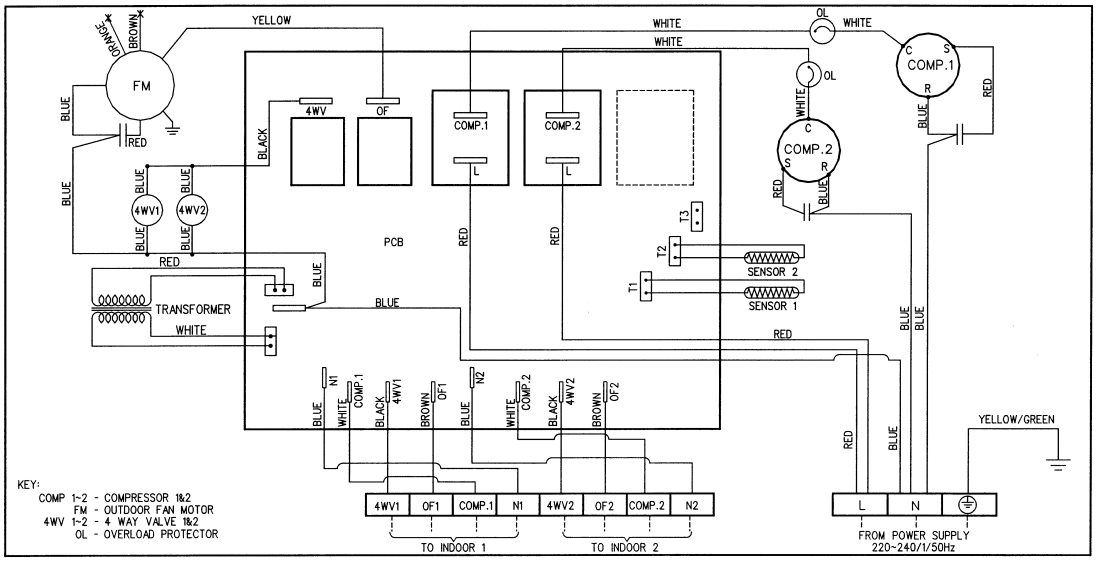
OUTDOOR UNIT – COOLING ONLY
MODEL : AMSH66K555A



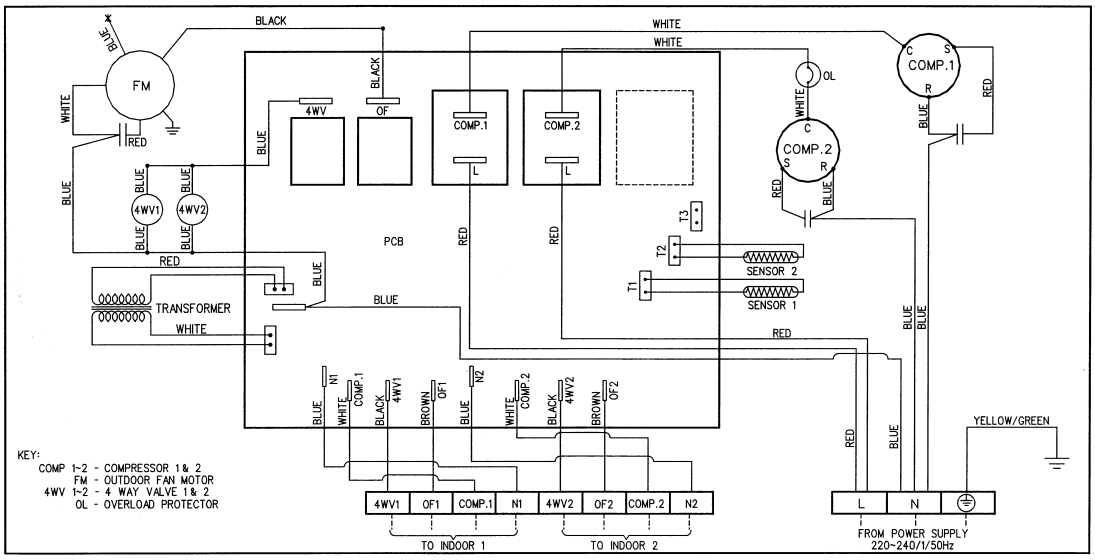
MODEL : AMSHK77A



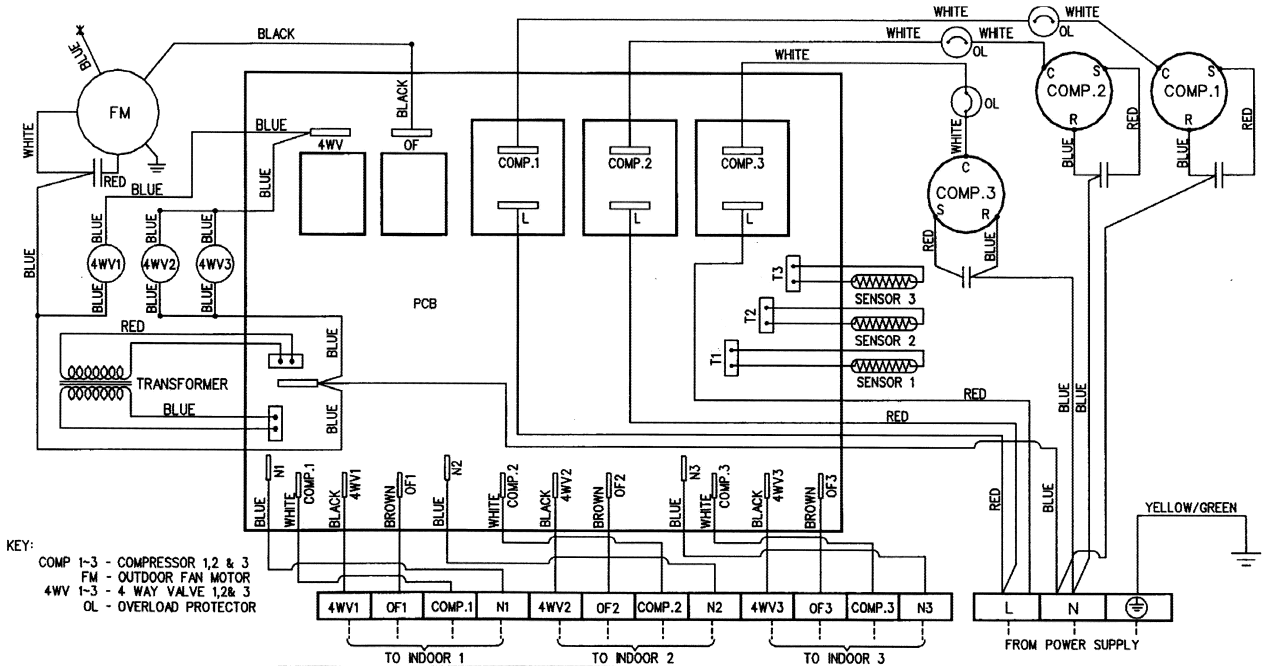
OUTDOOR UNIT – HEATPUMP
MODEL : AMSD/A4MSD 1010 / 1015 / 1515 AR



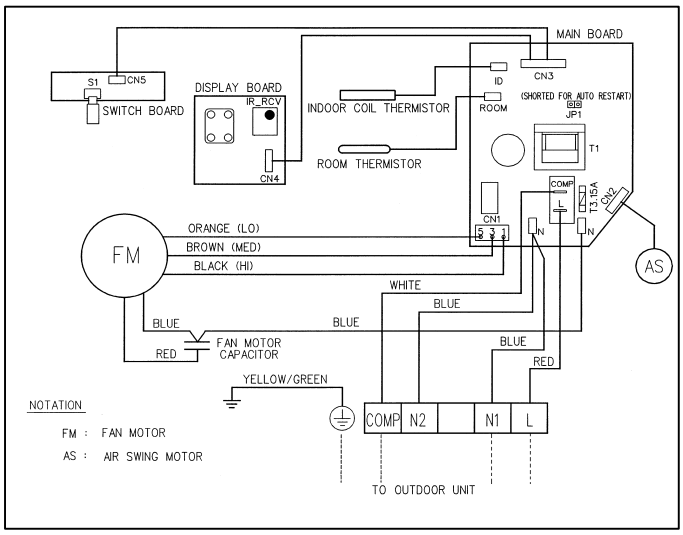
MODEL : AMSD 1520AR



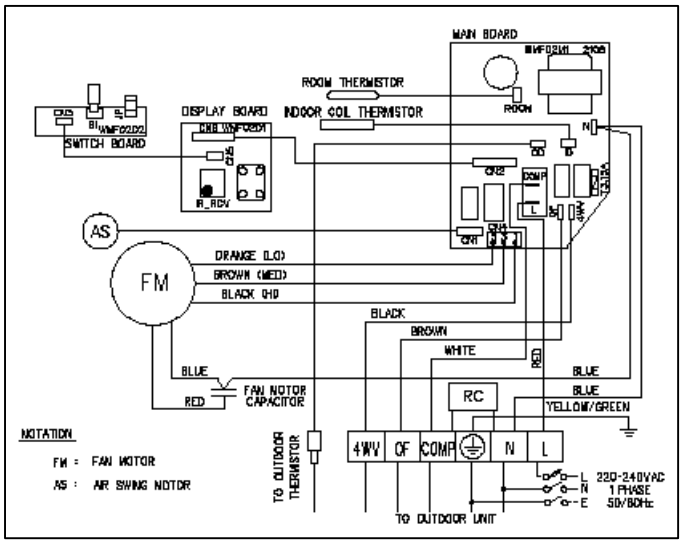
OUTDOOR UNIT – HEATPUMP
MODEL : A4MST 101010 / 101015 / 101515 / 151515AR



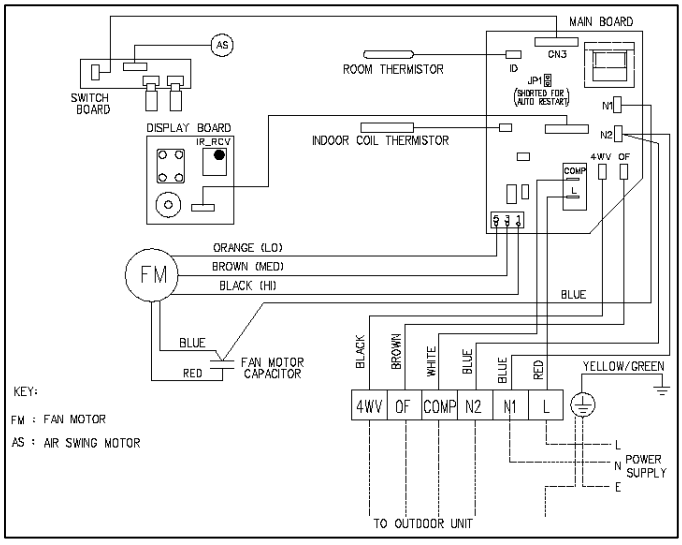
INDOOR UNIT
COOLING ONLY
MODEL : AWMS 10F/ 15F/ 20F (AUTO RANDOM RESTART)



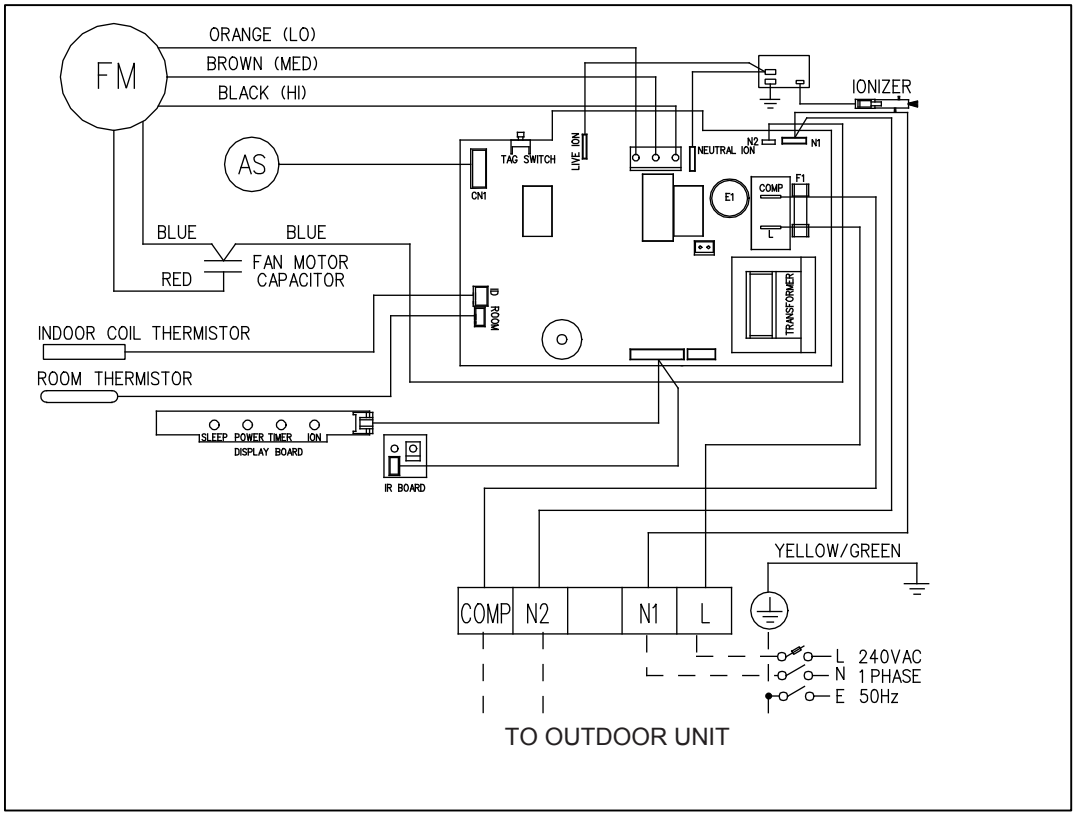
HEATPUMP UNIT
MODEL : AWMS 10FR/ 15FR/ 20FR



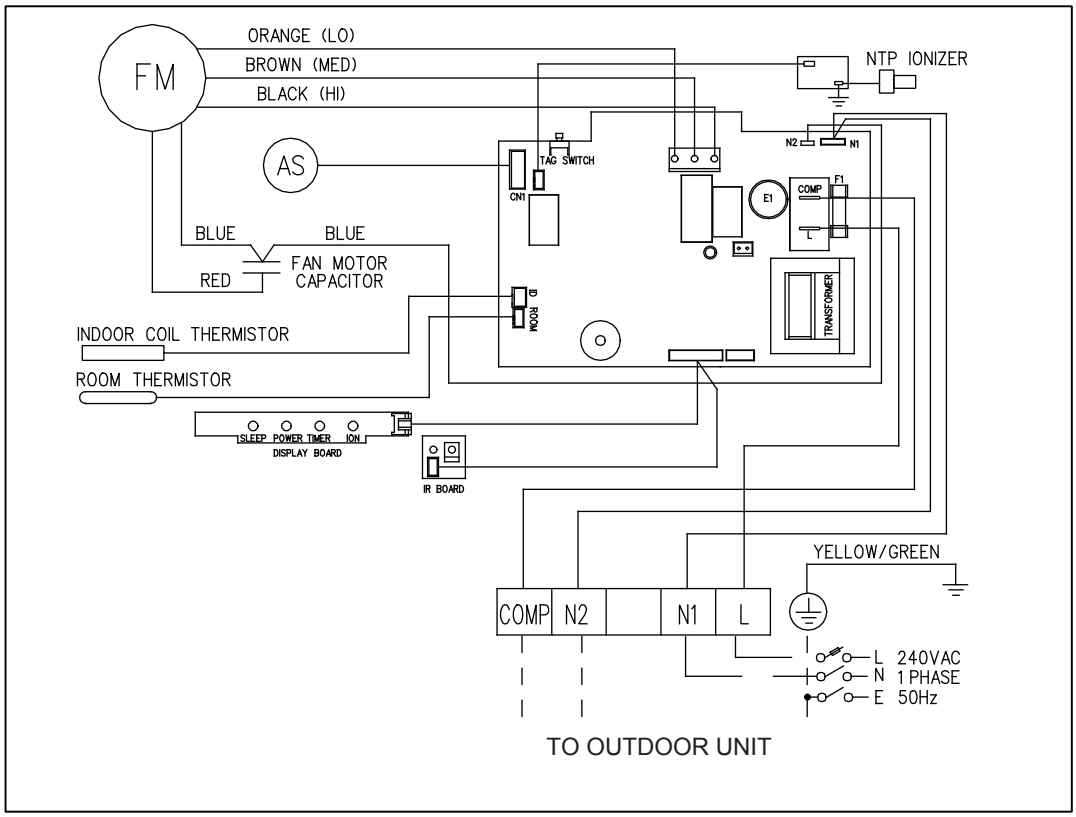
HEATPUMP UNIT
MODEL : AWMS 10FR/ 15FR/ 20FR (AUTO RANDOM RESTART)



INDOOR UNIT
COOLING ONLY
MODEL : AWMS 10/15G (IONIZER)

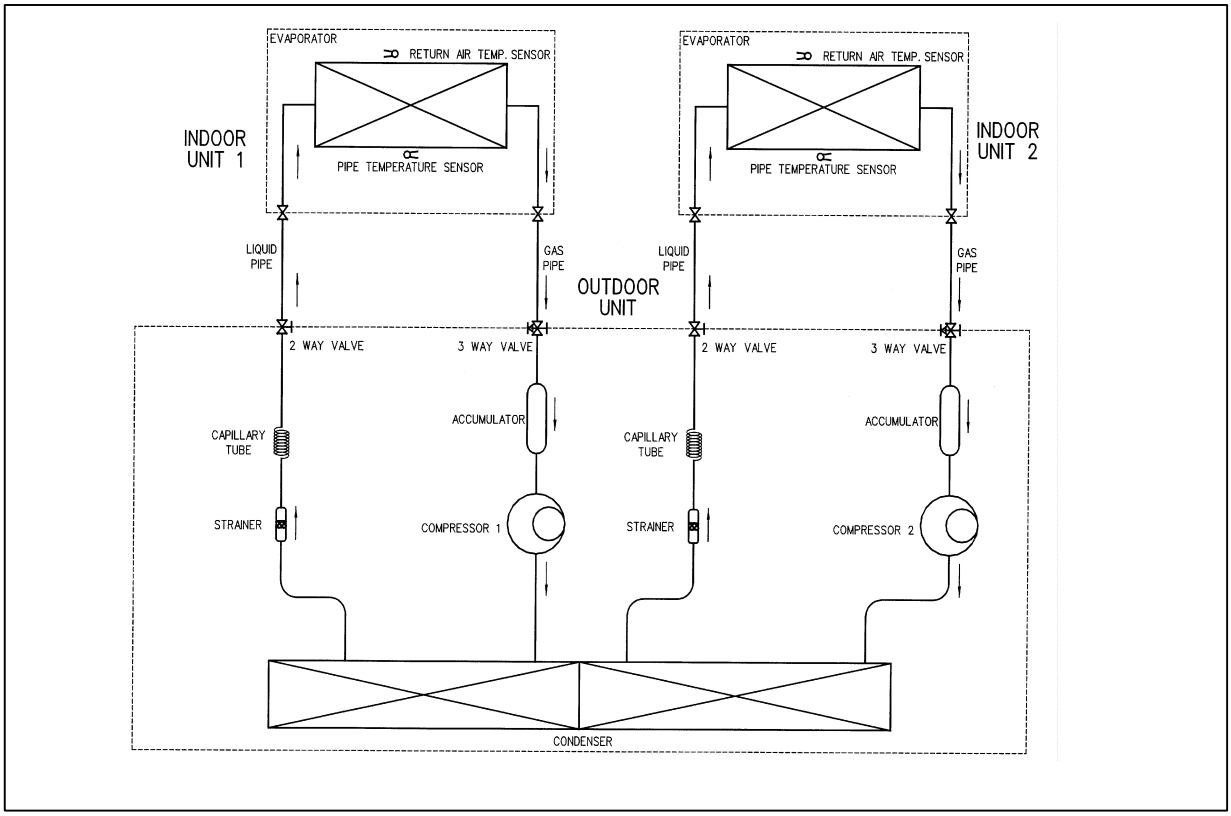


MODEL : AWMS 10/15G (NTP)

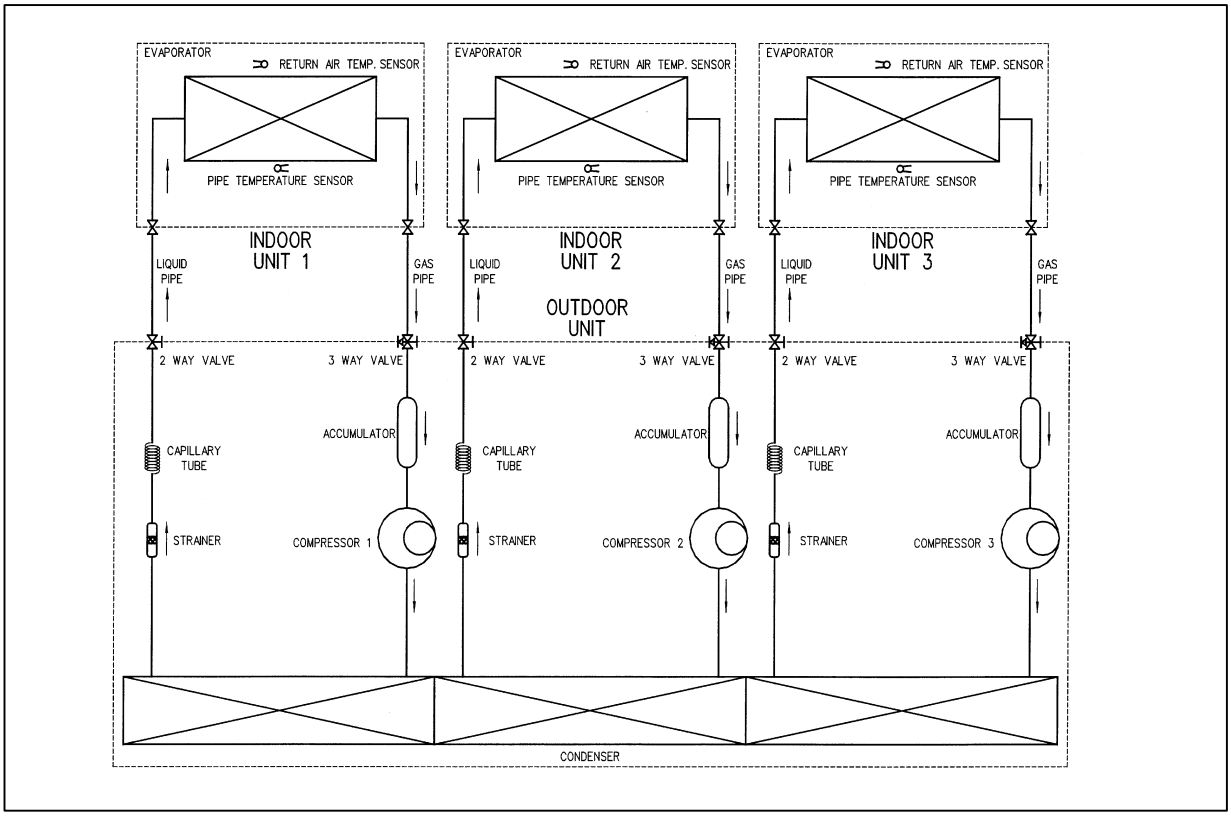


7. REFRIGERANT CIRCUIT DIAGRAM

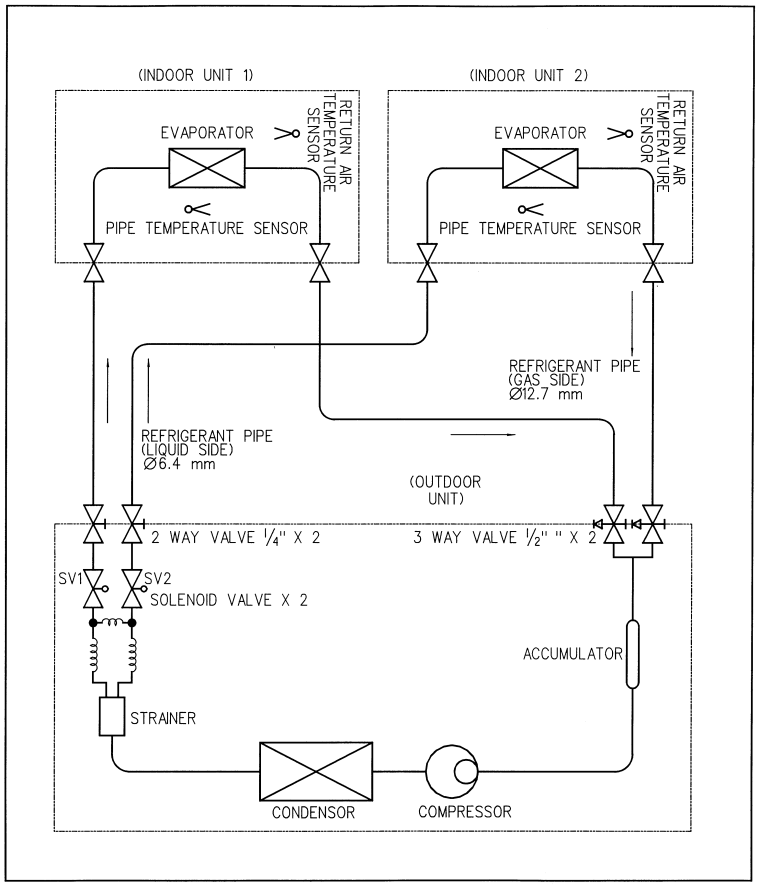
MODEL : AMSD 1010/ 1015/ 1515/ 1020/ 1520/ 2020 A
A4MSD 1010/ 1015/ 1515 A



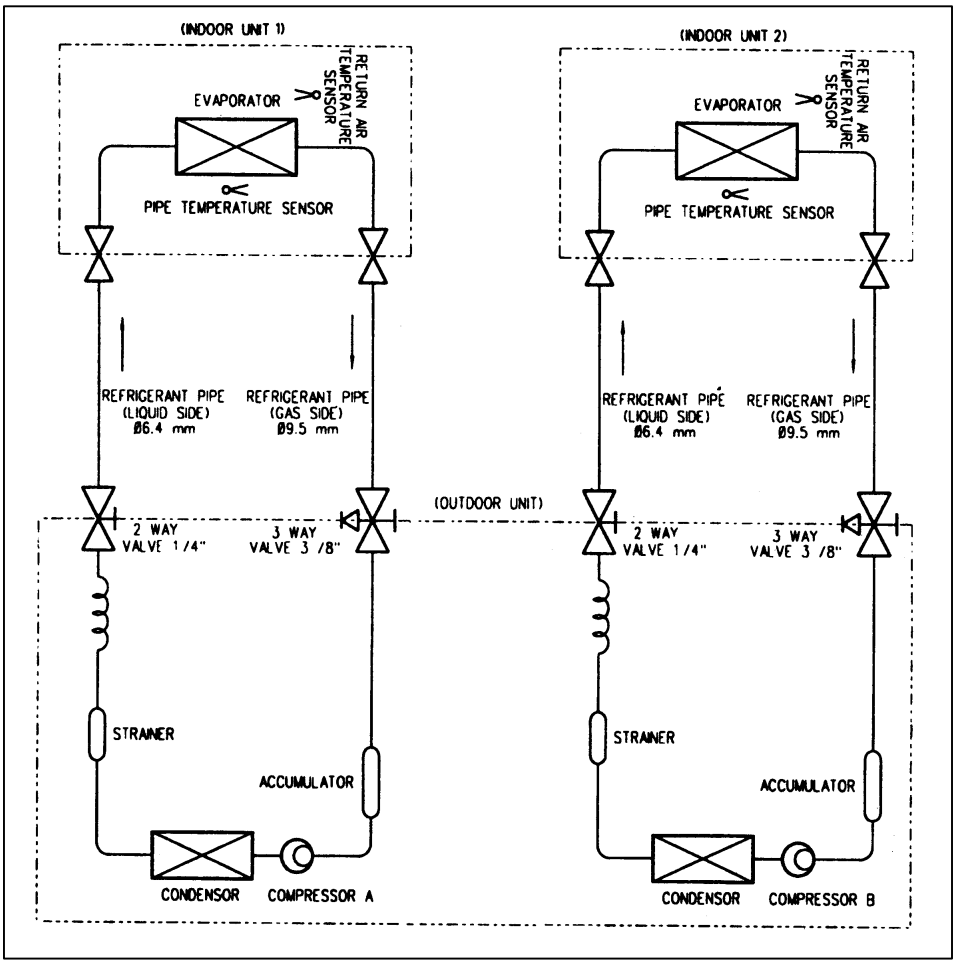
MODEL : AMST/A4MST 101010/ 101015/ 101515/ 151515 A
AMST 101020/ 101025/ 101525/ 151525 A



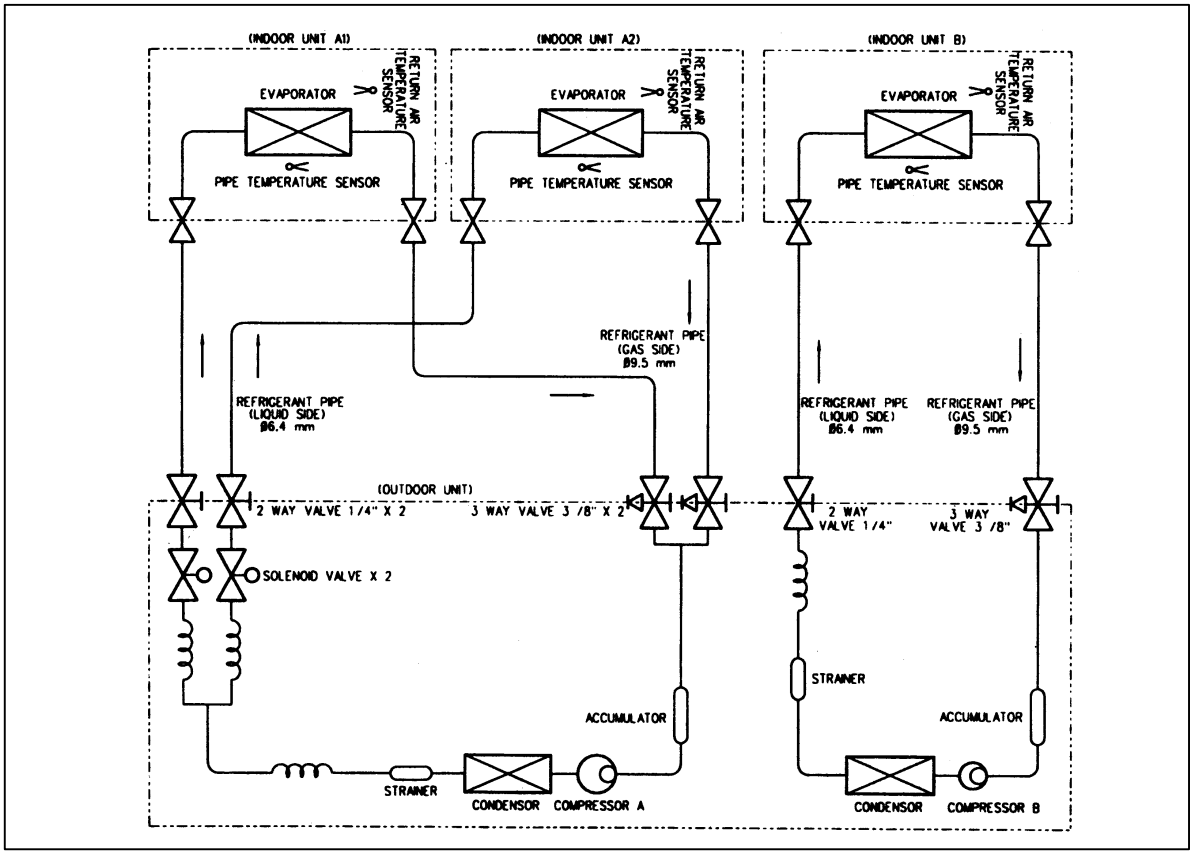
MODEL : AMSHK77A



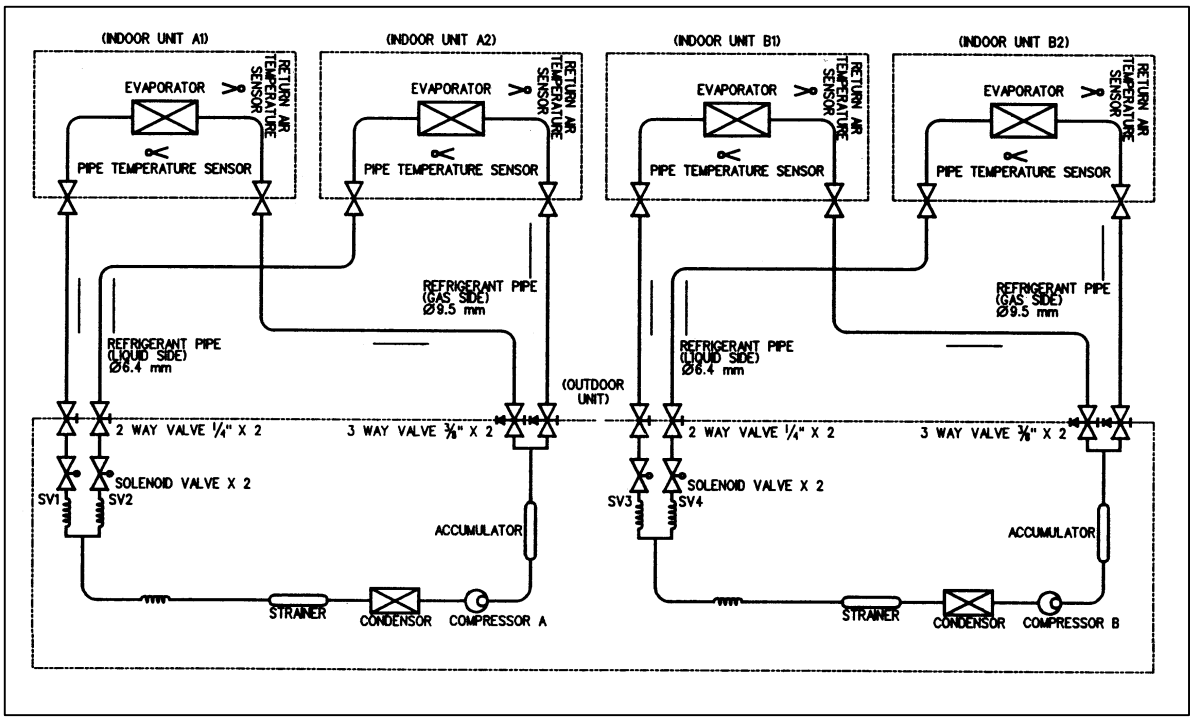
MODEL : AMSH8K8A



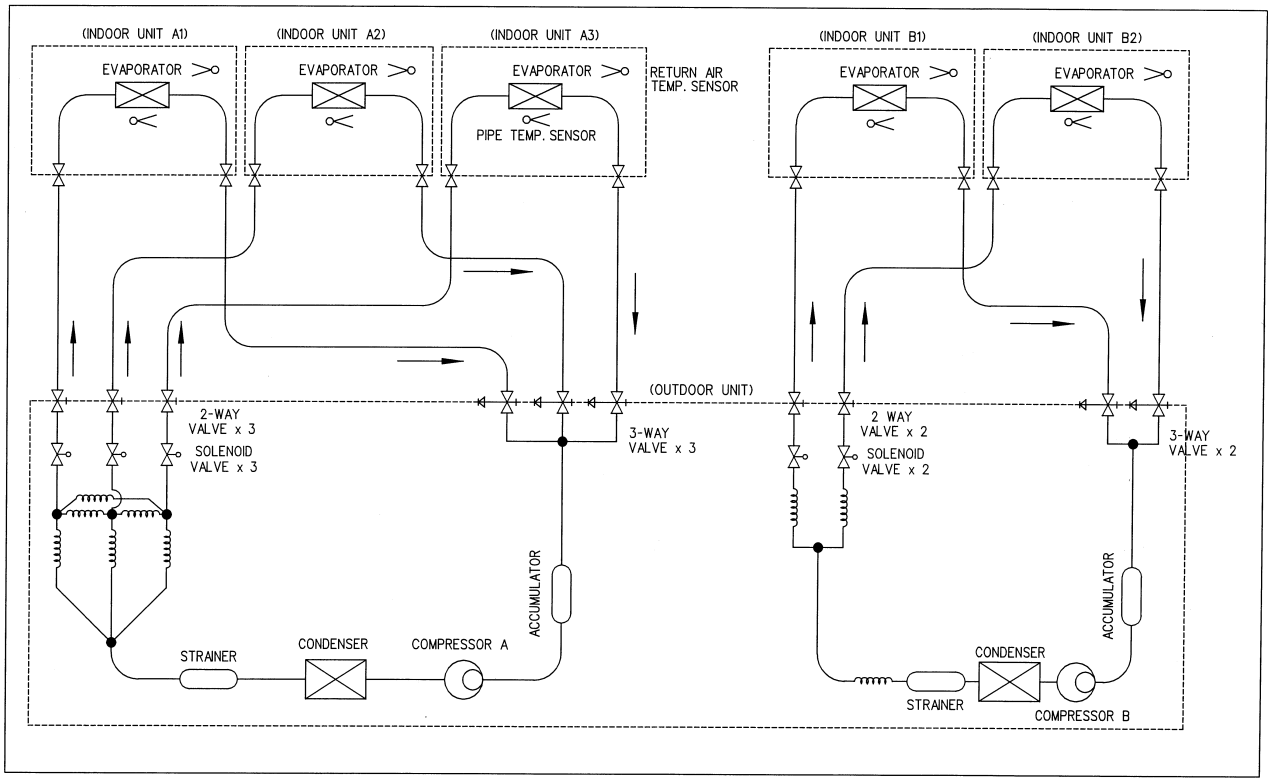
MODEL : AMSH8K66A



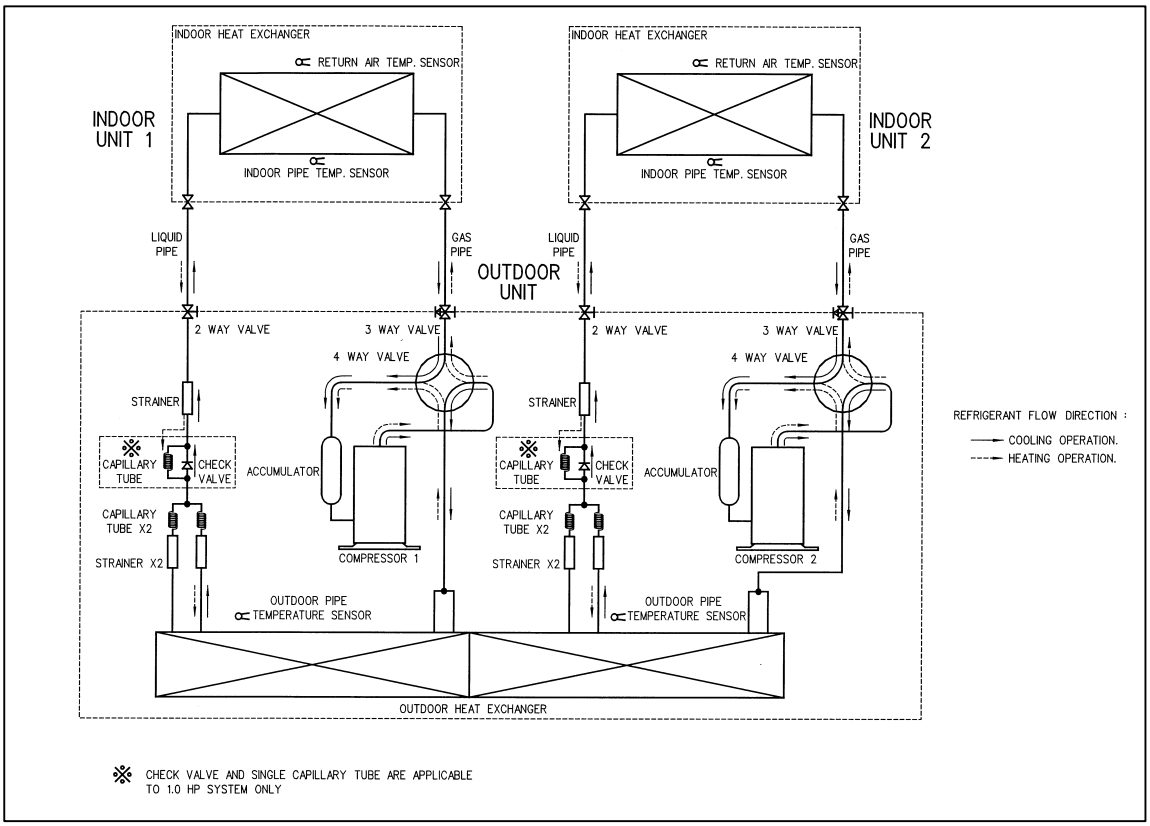
MODEL : AMSH66K66A



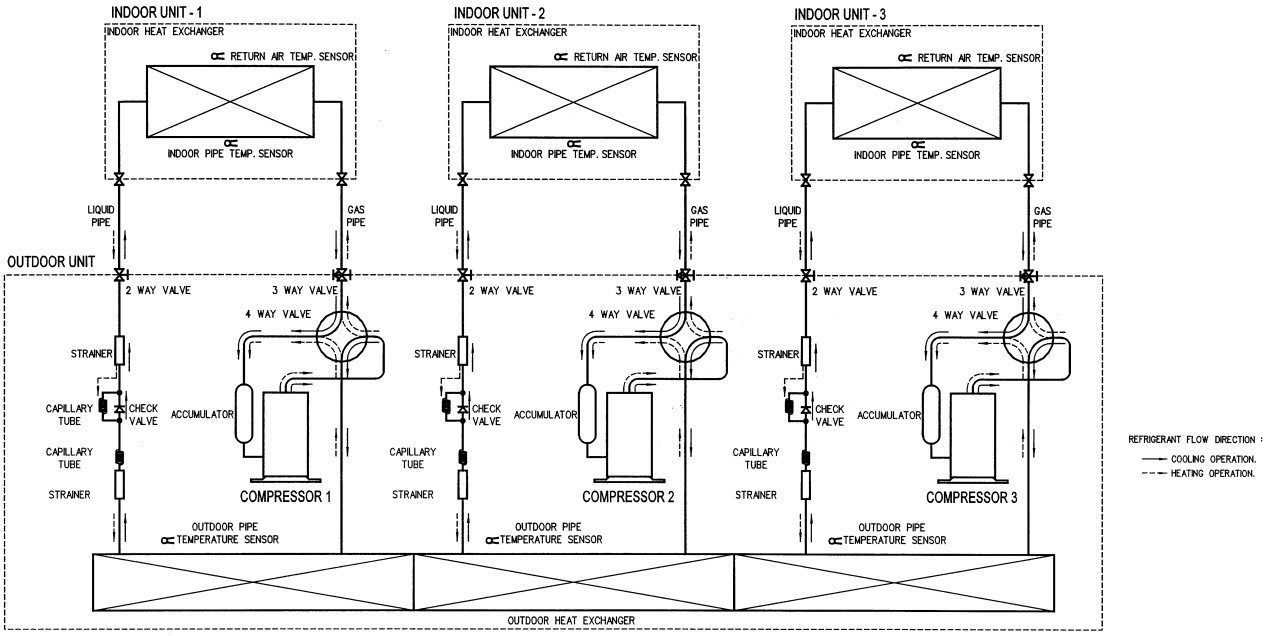
MODEL : AMSH66K555A



MODEL : AMSD/A4MSD 1010/ 1015/ 1515 AR
AMSD 1520 AR



MODEL : A4MST 101010/ 101015/ 101515/ 151515 AR



8. SPECIAL PRECAUTIONS FOR R407C

SPECIAL PRECAUTIONS WHEN DEALING WITH REFRIGERANT R407C UNIT

1) WHAT IS NEW REFRIGERANT R407C?

R407C is a zeotropic refrigerant mixture which has Zero Ozone Depletion Potential (ODP = 0) and thus, conforms to the Montreal Protocol regulation. It requires Polyol-ester (POE) oil for its compressor's lubricant. Its refrigerant capacity and performance are about the same as the refrigerant R22.

2) COMPONENTS

Mixture of composition by weight: R32(23%), R125(25%), R134a(52%)

3) CHARACTERISTIC

R407C liquid and vapor components have different compositions when the fluid evaporates or condenses. Hence, when a leak occurs and only vapor leaks out, the composition of the refrigerant mixture left in the system will change and subsequently affect the system performance. **DO NOT** add new refrigerant to a leaked system. It is recommended that the system should be evacuated thoroughly before recharging with R407C.

When refrigerant R407C is used, the composition will differ depending on whether it is in gaseous or liquid phase. Hence when charging R407C, ensure that only liquid is being withdrawn from the cylinder or can. This is to make certain that only original composition of R407C is being charged into the system.

POE oil is used as lubricant for R407C compressor, which is different from the mineral oil used for R22 compressor. Extra precaution must be taken to avoid exposing the R407C system to moist air.

4) CHECK LIST BEFORE INSTALLATION/SERVICING

Tubing

Refrigerant R407C is more easily affected by dust or moisture compared with R22, make sure to temporarily cover the ends of the tubing prior to installation

Compressor oil

No additional charge of compressor oil is permitted.

Refrigerant

No other refrigerant other than R407C

Tools

Tools specifically for R407C only (must not be used for R22 or other refrigerant)

i) Gauge manifold and charging hose
ii) Gas leak detector
iii) Refrigerant cylinder/charging cylinder
iv) Vacuum pump c/w adapter
v) Flare tools
vi) Refrigerant recovery machine

5) HANDLING AND INSTALLATION GUIDELINES

Like R22 systems, the handling and installation of R407C systems are closely similar. All precautionary measures; such as ensuring no moisture, no dirt or chips in the system, clean brazing using nitrogen, and thorough leak check and vacuuming are equally important requirements. However, due to the zeotropic nature of R407C and its hydroscopic POE OIL, additional precautions must be taken to ensure optimum and trouble-free system operation.

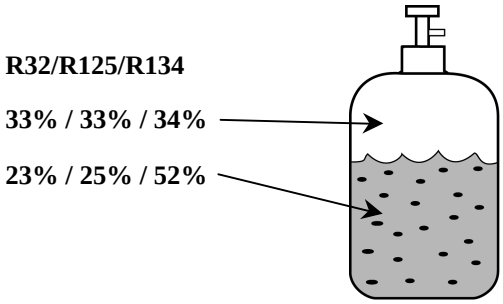
a) Filter-dryer must be installed along the liquid line for all R407C air conditioners. This is to minimise the contamination of moisture and dirt in the refrigerant system. Filter-dryer must be of molecular sieve type. For a heat-pump system, install a two-way flow filter dryer along the liquid line.

b) During installation or servicing, avoid prolong exposure of the internal part of the refrigerant system to moist air. Residual POE oil in the piping and components can absorb moisture from the air.

c) Ensure that the compressor is not exposed to air for more than the recommended time specified by its manufacturer (typically less than 10 minutes). Removed the seal-plugs only when the compressor is about to be brazed.

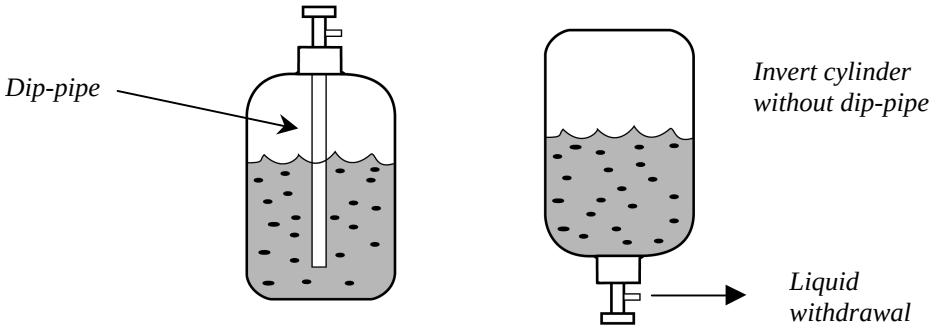
d) The system should be thoroughly vacuumed to 1.0 Pa (-700mmHg) or lower. This vacuuming level is more stringent than R22 system so as to ensure no incompressible gas and moisture in the system.

e) When charging R407C, ensure that only liquid is being withdrawn from the cylinder or can. This is to ensure that only the original composition of R407C is being delivered into the system. The liquid composition can be different from the vapor composition.



Composition of R407C in vapour phase is different from liquid phase.

f) Normally, the R407C cylinder or can is equipped with a dip-pipe for liquid withdrawal. However, if the dip-pipe is not available, invert the cylinder or can to withdraw liquid from the valve at the bottom.



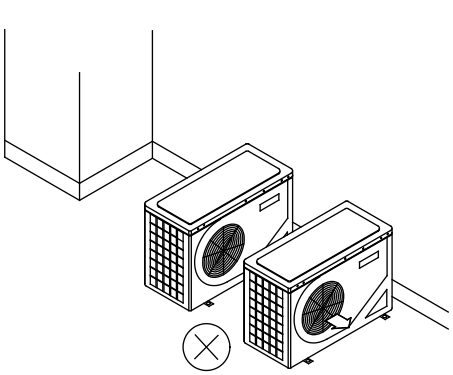
g) When servicing leaks, the top-up method commonly practiced for R22 systems is not recommended for R407C system. Unlike R22 where the refrigerant is of a single component, the composition of R407C (which is made-up of three different components) may have changed during the leak. Consequently, a top-up may not ensure that the R407C in the system is of the original composition. This composition shift may adversely affect the system performance. It is recommended that the system be evacuated thoroughly before recharging with R407C.

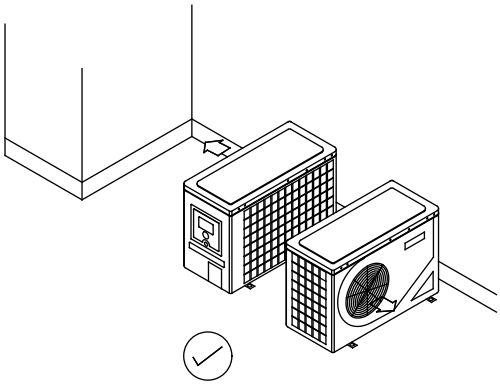
9. INSTALLATION

LOCATION FOR INSTALLATION OF THE CONDENSING UNITS

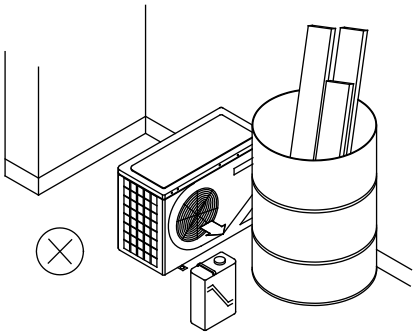
As condensing temperature rises, evaporating temperature rises and cooling capacity drops. In order to achieve maximum cooling capacity, the location selected for outdoor unit should fulfill the following requirements :

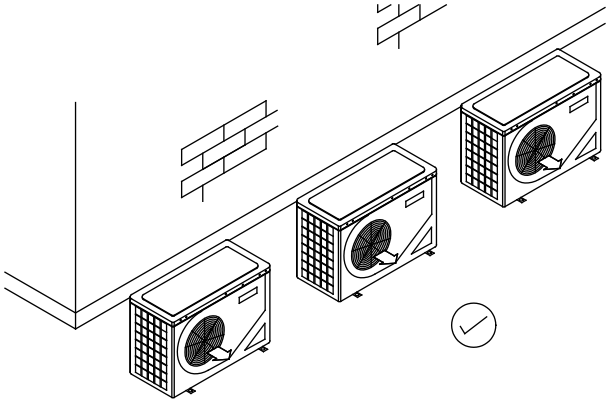
- Install the condensing (outdoor) unit in a way such that hot air distributed by the outdoor condensing unit cannot be drawn in again (as in the case of short circuit of hot discharge air). Allow sufficient space for maintenance around the unit.



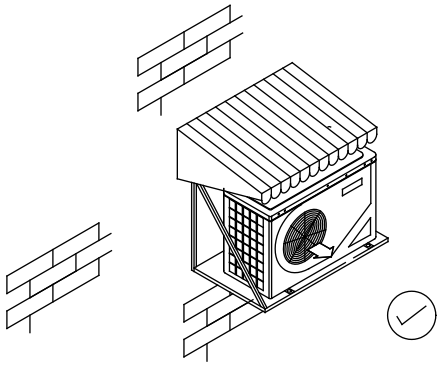


- Ensure that there is no obstruction of air flow into or out of the unit. Remove obstacles which block air intake or discharge.





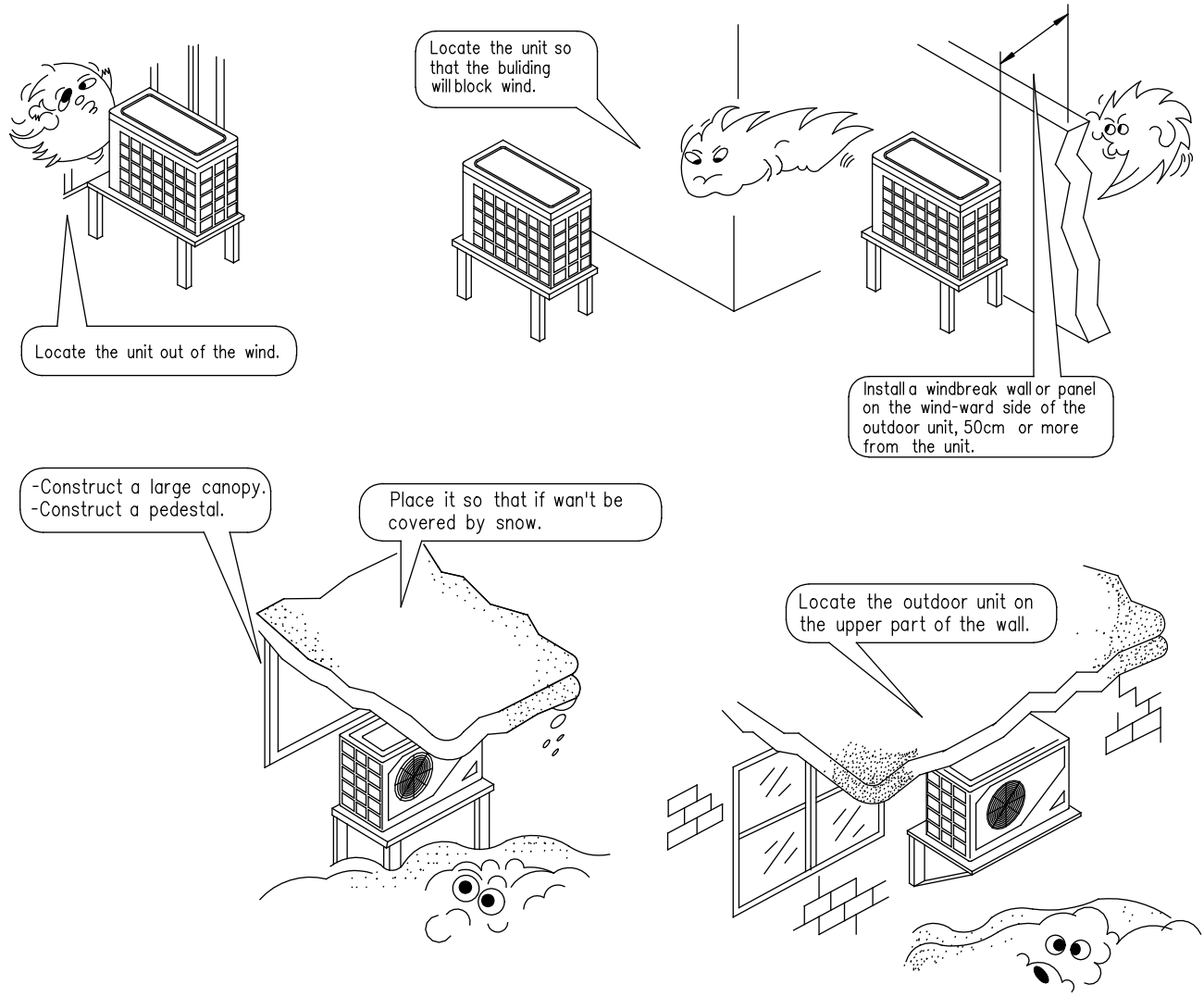
- The location must be well ventilated, so that the unit can draw in and distribute plenty of air thus lowering the condensing temperature.
- A place capable of bearing the weight of the outdoor unit and isolating noise and vibration.
- A place protected from direct sunlight. Otherwise use an awning for protection, if necessary.



- The location must not be susceptible to dust or oil mist.

CAUTION : If the condensing unit is operated in an atmosphere containing oils(including machine oils), salt(coastal area), sulphide gas(near hot spring, oil refinery plant), such substances may lead to failure of the unit.

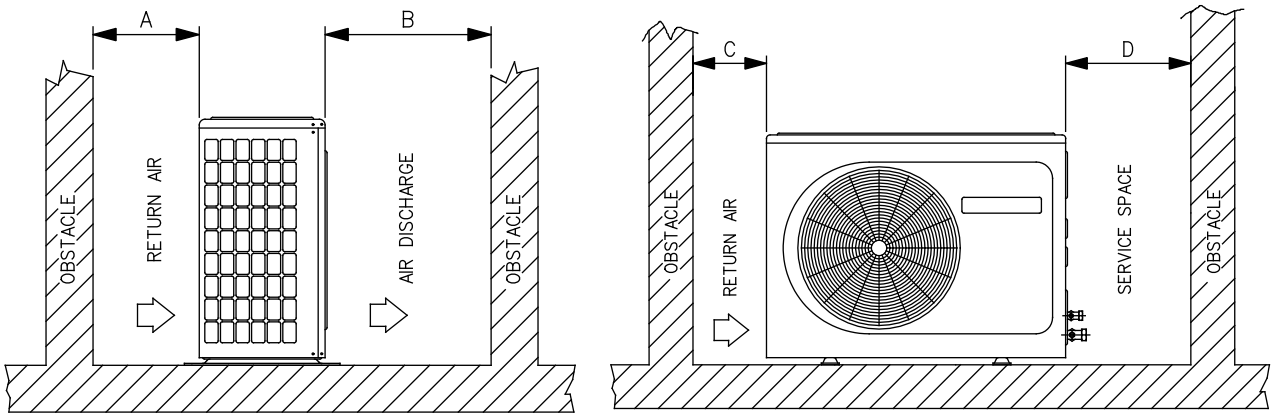
INSTALLATION IN ZONE EXPOSED TO STRONG WIND OR HIGH SNOW FALLS (FOR HEATPUMP MODEL)



INSTALLATION CLEARANCE

SINGLE CONDENSING UNIT INSTALLATION

Outdoor units must be installed such that there is no short circuit of the hot discharge air or obstruction to smooth air flow. Select the coolest possible place where intake air should not be hotter than the outside temperature (max. 45 °C).



All Models	A	B	C	D
Minimum Distance	300 mm	1000 mm	300mm	500mm

NOTE :- (1) If any obstacle is higher than 2m, or if there is any obstruction at the upper part of the unit, allow more space than indicated in the table above.

MAXIMUM PIPE LENGTH AND MAXIMUM NUMBER OF BENDS

When the pipe length becomes too long, both the capacity and reliability drop. As the number of bends increases, system piping resistance to the refrigerant flow increases, lowering the cooling capacity. As a result of this, the compressor may become defective. Always choose the shortest path and follow the recommendations as tabulated below :

MODEL / DATA	AMSD / A4MSD		
	1010A – 1515A	1020A – 1520A	2020A
Max. Length (L) m	12 / 12	12 / 15	15 / 15
Max. elevation (H) m	5 / 5	5 / 8	8 / 8
Max. No. of Bends	10 / 10	10 / 10	10 / 10

MODEL / DATA	AMST / A4MST	AMST	
	101010A – 151515A/AR	101020A	101025A – 151525A
Max. Length (L) m	12 / 12 / 12	12 / 12 / 15	12 / 12 / 15
Max. elevation (H) m	5 / 5 / 5	5 / 5 / 8	5 / 5 / 8
Max. No. of Bends	10 / 10 / 10	10 / 10 / 10	10 / 10 / 10

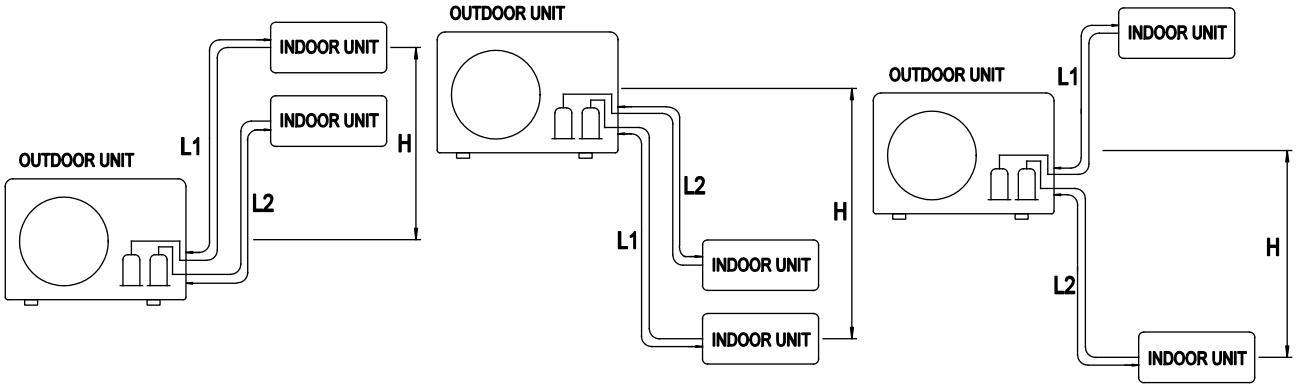
Model	Circuitry	Max. Individual L1 or L2 (m)	*Max. Total L1 + L2 (m)	*Max. Length Difference L1 – L2 (m)	Max. Elevation H (m)	*Max. Height Difference ΔH(m)	*Max. Number of bends
AMSH8K8A	COMP. A	12	-	-	5	-	10
	COMP. B	12	-	-	5	-	10
AMSH8K66A	COMP. A	12 / 12	20	8	5	7	10
	COMP. B	12	-	-	5	-	10
AMSH66K66A	COMP. A	12 / 12	20	8	5	7	10
	COMP. B	12 / 12	20	8	5	7	10
AMSH66K555A	COMP. A	12 / 12	20	8	5	7	10
	COMP. B	12 / 12	20	8	5	7	10

* For units sharing the same compressor only.

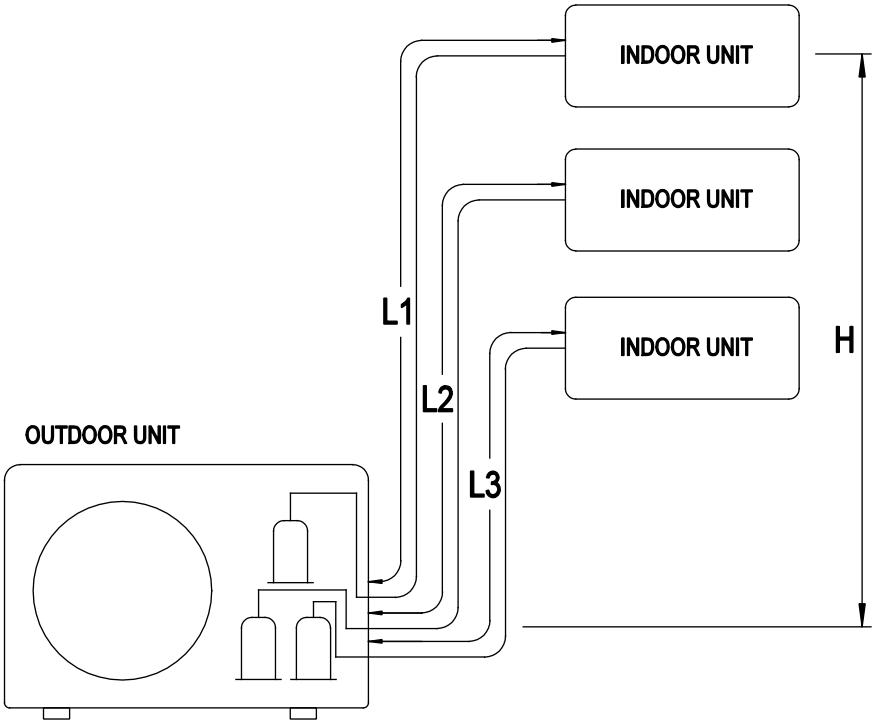
CAUTION :

- Our guarantee on the performance of our air-conditioners will be revoked if the height, length and/or the number of bends of the refrigerant piping system installed is beyond our recommended limit.
- Bendings must be carefully made so as not to crush the pipe. Use a pipe bender to bend a pipe as far as possible.

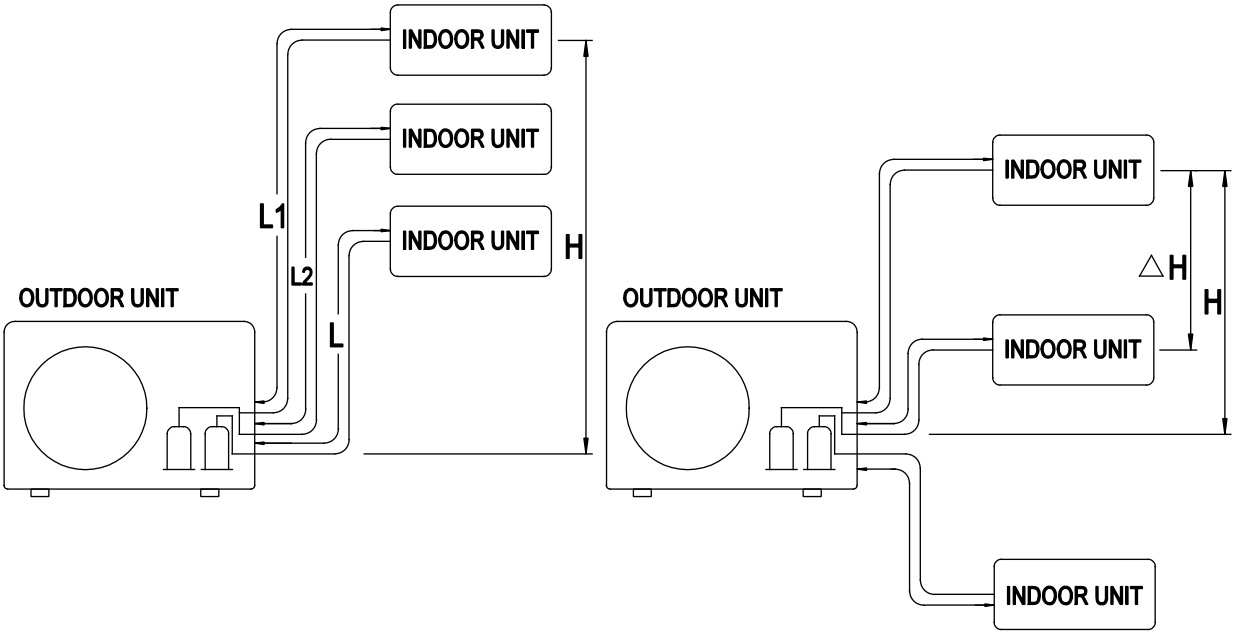
1) AMSD / A4MSD



2) AMST / A4MST

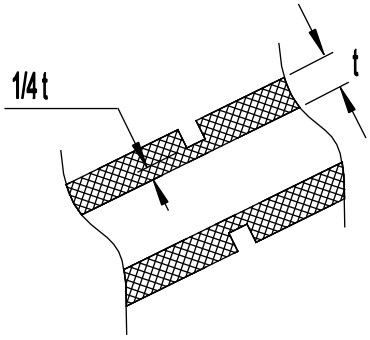


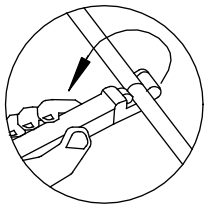
3) AMSH

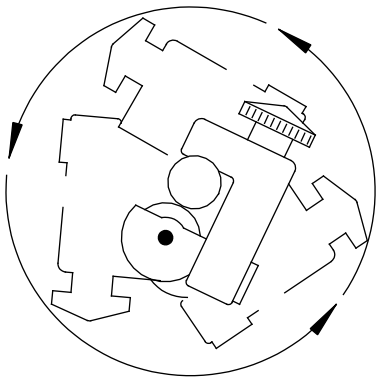


FLARING TECHNIQUE (FOR FLARE CONNECTION)

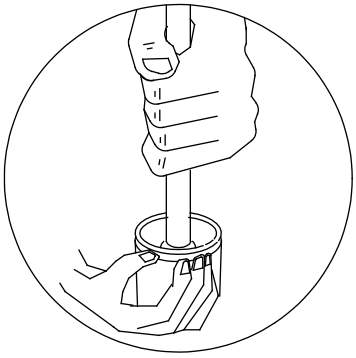
- Cut the pipe stages by stages, advancing the blade of pipe cutter slowly. Extra force and a deep cut will cause more distortion of pipe and therefore, extra burr.





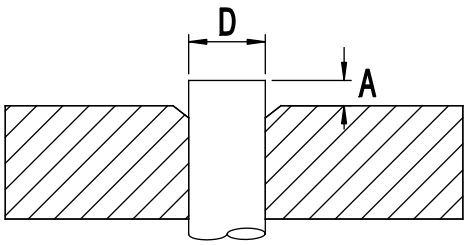


- Remove burr with burr remover. This will avoid unevenness on the flare face which will cause gas leak. Hold the flaring end down to prevent burr from dropping inside pipe.



- The exact length of pipe protruding from the face of the flare die is determined by the flaring tool. The table shows the use of an imperial die and riged die.

PIPE Ø (MM)	A(MM)	
	IMPERIAL DIE	RIGED DIE
6.35 (1/4")	1.3	0.7
9.52 (3/8")	1.6	1.0
12.7 (1/2")	1.9	1.3
15.88 (5/8”)	2.2	1.7



Fix the pipe firmly on the flare die. Match the centers of both the flare die and the flaring punch. Tighten flaring punch fully.

VACUUMING AND CHARGING

The pre-charged outdoor unit does not need any vacuuming or charging. However once it is connected, the connecting pipe line and the indoor need to be vacuumed before releasing the refrigerant from the outdoor unit.

1) Open the service port core cap.
2) Connect pressure gauge to the service port.
3) Connect the line to vacuum pump. Open the charging manifold valve and turn the pump on (Diagram 1). Evacuation time varies by the capacity of the pump but within 1 hour.
4) Repeat step 1 to step 3 for every indoor with respect to the correct pair of flare valve.
5) After evacuation, unscrew the spindle (diagram 2B) for the gas to run to indoor unit.

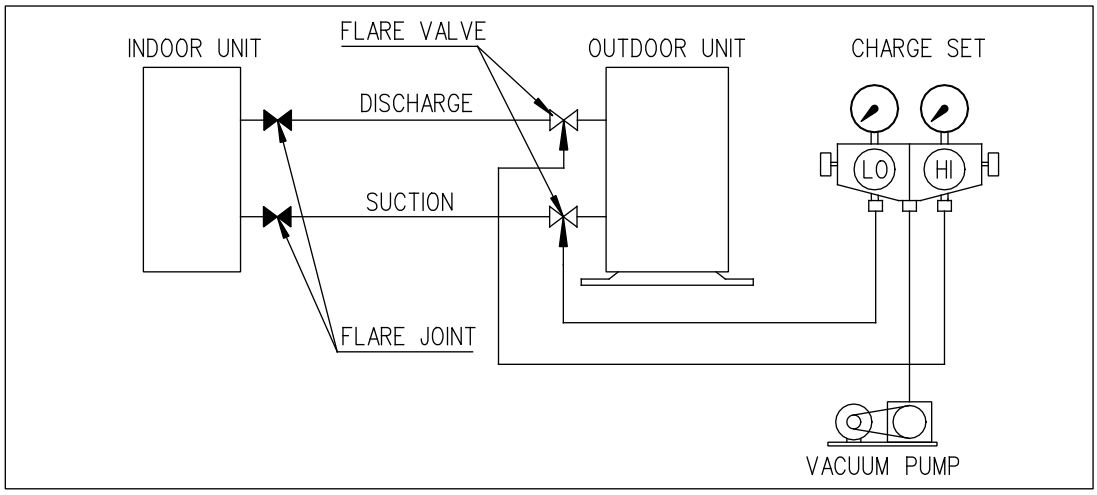


Diagram 1

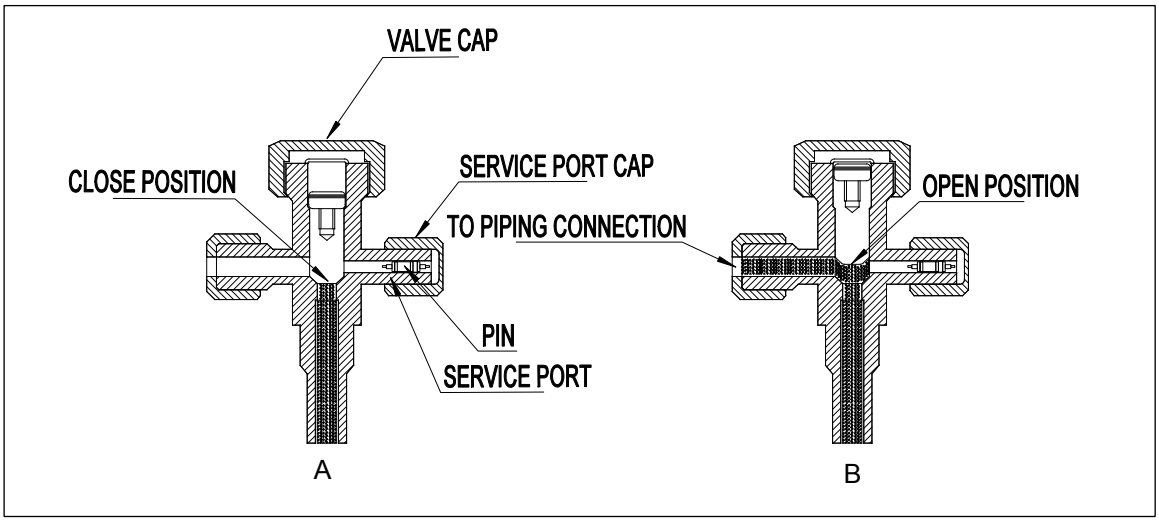


Diagram 2

ADDITIONAL CHARGE (FOR FLARE CONNECTION)

The refrigerant gas is charged in the outdoor unit and, if the piping length to every indoor is 5m, additional charge of the refrigerant after vacuuming is not necessary.

When the piping length to every indoor is more than 5m, please add 15g of refrigerant for every addition of 1m pipe length.

Diagram 3 shows typical charging method.

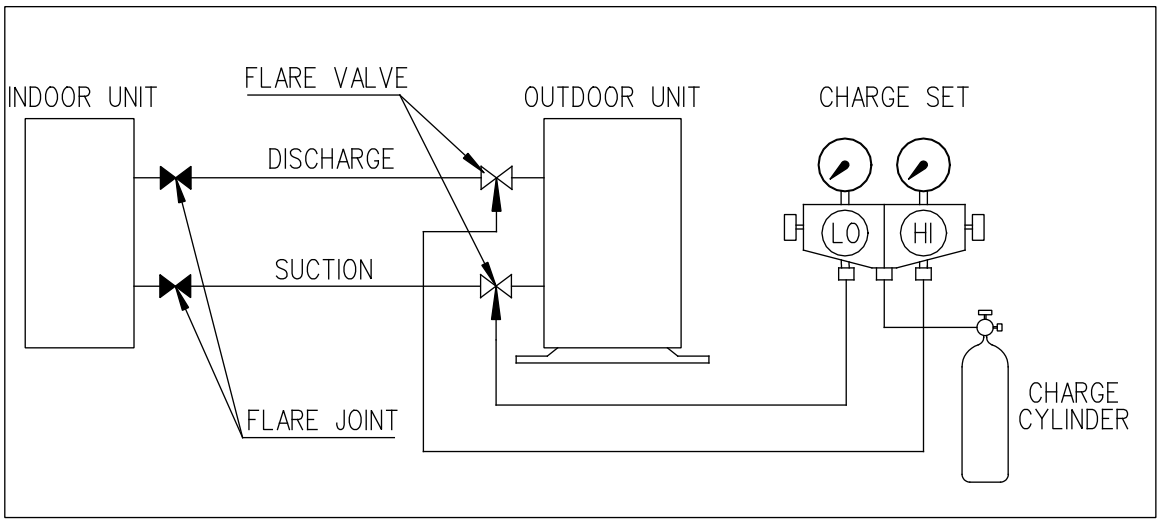
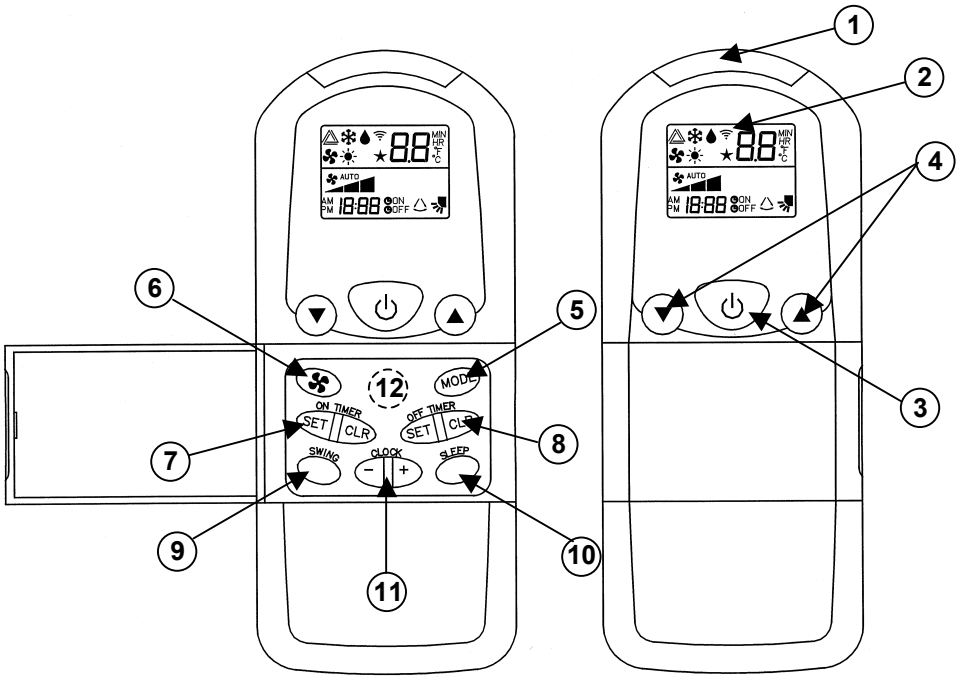


Diagram 3

10. REMOTE CONTROLLER OPERATION GUIDE

G8 REMOTE CONTROLLER



1. Transmission source

The source where the signal will be transmitted.

2. Signal Transmission indication

Blink to confirm the last setting has been send to the unit.

3. On/Off Button

Press once to start the air conditioner.
Press again to stop the unit.

4. Temperature setting

To set the desired room temperature, press the button to increase or decrease the set temperature.
The temperature setting range is from 16°C to 30°C (Optional setting 18°C to 30°C).
Press both buttons simultaneously to toggle the temperature setting between °C and °F.

5. Operation mode

Press the MODE button to select the type of operating mode.
For cooling only unit, the available modes are : COOL, DRY & FAN.
For heat pump unit, the available modes are : AUTO, COOL, DRY, FAN & HEAT.

6. Fan speed selection

Press the button until the desired fan speed is achieved.

7. ON timer setting

Press the SET button will activate the on timer function.
Set the desired on time by pressing the SET button continuously. If the timer is set to 7.30am, the air conditioner will turn on at 7.30am sharp.
Press the CLR button to cancel the on timer setting.

8. OFF timer setting

Press the SET button will activate the off timer function.
Set the desired off time by pressing the SET button continuously.
Press the CLR button to cancel the off timer setting.

9. Automatic air swing

Press the SWING button to activate the automatic air swing function.
To distribute the air to a specific direction, press the SWING button and wait until the louver move to the desired direction and press the button once again.

10. Sleep mode setting

Press the button to activate sleep mode. This function is available under COOL, HEAT & AUTO mode.
When it is activated in COOL mode, the set temperature will be increased 0.5°C after 30mins, 1°C after 1 hour and 2°C after 2 hours.
When it is activated in HEAT mode, the set temperature will be decreased 1°C after 30mins, 2°C after 1 hour and 3°C after 2 hours.

11. Clock time setting

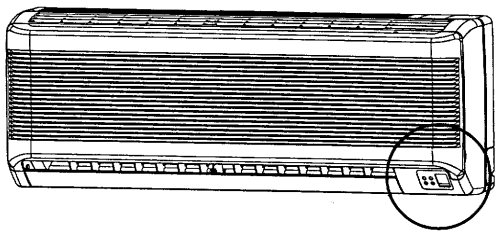
Press button + or – to increase or decrease the clock time.

12. Turbo function (optional – only applicable to inverter unit)

Press button for fast cooling or heating operation.
The temperature will be increased internally if it is in the HEAT mode, decreased if in COOL or DRY mode. Fan speed will be increased if it is not at maximum speed.
The temperature & fan speed will resume to user setting if the button is pressed again or after 20mins.
Available under HEAT, COOL & DRY modes only.

INDICATOR LIGHTS (cooling only unit)

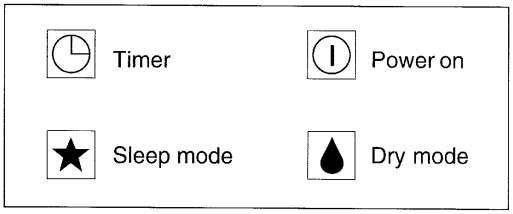
IR signal receiver
When there is infrared remote control operating signal, the signal receiver on indoor unit will made a (beep) for signal acceptance confirmation.



LED Indicator Lights

The table below shows the LED indicator light for air conditioner unit under normal operation and fault condition. The LED indicator lights are located at the right bottom of the air conditioner unit.

Cooling unit : LED Indicator Lights Display

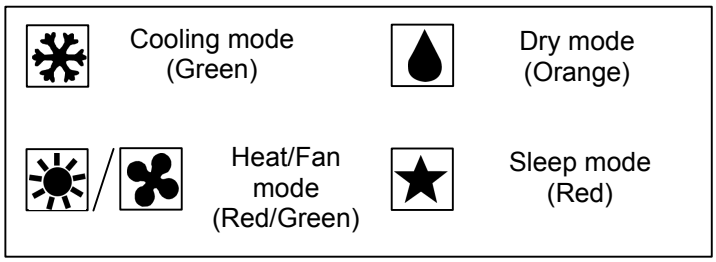


LED Indicator Lights : Normal Operation And Faulty Indication Table

Power	Sleep	Timer	Dry	Operation/ Faulty Indication	Action
○		○		Timer on	-
○	○			Sleep mode on	-
○			○	Dry mode	-
◑ Continuously			○/●	Frost prevention mode	Clean the filter and switch to high fan
◑ Once every 2 sec				Room air sensor contact loose/short	Call your dealer
◑ ◑ Twice every 2 Sec				Indoor coil sensor contact loose/short	Call your dealer
◑◑◑ 3 times every 2 sec				Outdoor abnormal operation	Call your dealer

○ ON ○/● ON or OFF ◑ BLINK

Heatpump unit : LED Indicator Lights Display



The heat pump units is equipped with an "auto" mode, whereby the unit will provide reasonable room temperature by switching the unit automatically to either "cool" mode or "heat" mode, according to the temperature setting set by the user.

LED Indicator Lights: Normal Operation And Faulty Indication Table

Cool	Dry	Fan	Heat	Sleep	Operation/ Faulty Indication	Action
○				○/●	Cooling Mode	-
	○				Dry Mode	-
		○			Fan Mode	-
			○	○/●	Heat Mode	-
◑			○	○/●	Auto mode in heating operation	-
○			◑	○/●	Auto mode in cooling operation	-
			◑		Defrost operation	-
◑					Compressor overload protection	Call your dealer
				◑	Indoor coil sensor contact loose/short	Call your dealer
	◑				Outdoor coil sensor contact loose/short	Call your dealer
		◑			Room air sensor contact loose/short	Call your dealer
◑	◑				If the system is in auto or sleep mode, switch to heat or cool mode and turn off the sleep function, turn off the power supply to reset the system, wait for 3 minutes and on the system again.	
◑	◑				If the system is in cool or heat mode (with the sleep function off), the sensor may have contact problem, compressor overload protection trip or gas leak.	

○ ON ○/● ON or OFF ◑ BLINK

G12 REMOTE CONTROLLER

Temperature Setting

- To set the desired room temperature, press the button to increase or decrease the set temperature.
- The temperature setting range is from 16°C to 30°C
- Press both buttons simultaneously to toggle the temperature setting between °C and °F

On/Off Button

- Press Once to start the air conditioner
- Press again to stop the unit

ON Timer Setting

- Press the SET button will activate the on timer function.
- Set the desired on time by pressing the SET button continuously.
- Press the CLR button to cancel the off timer setting

Fan Speed Selection

- Press the button until the desired fan speed is achieved.

Turbo Mode

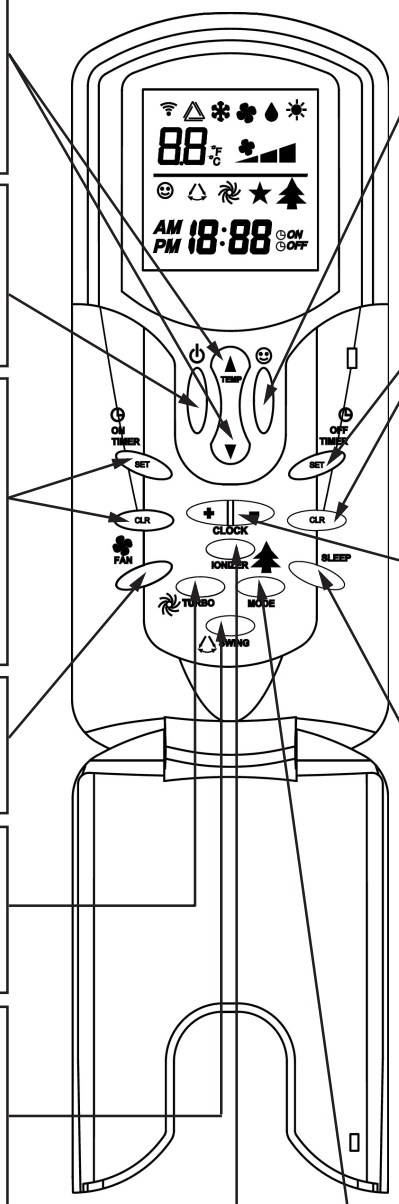
- Press the TURBO button to achieve the required set temperature in a short time.

Automatic Air Awing

- Press the SWING button to activate the automatic air swing function.
- To distribute the air to a specific direction, press the SWING button and wait until the louver move to the desired direction and press the button once again.

Ionizer

- Press the button to activate the negative Ion function, which will refresh the indoor air effectively.



Personalised Setting

- Press and hold the button for 3s to initiate personalized setting.
- Set the individual setting e.g. MODE, SET TEMP or FAN SPEED and leave for 4s to save
- 2 groups of settings are allowed to stored in the handset

OFF Timer Setting

- Press the SET button will activate the off timer function.
- Set the desired off time by pressing the SET button continuously.
- Press the CLR button to cancel the off timer setting

Clock Time Setting

- Press button + or - to increase or decrease the clock time.

Sleep Mode

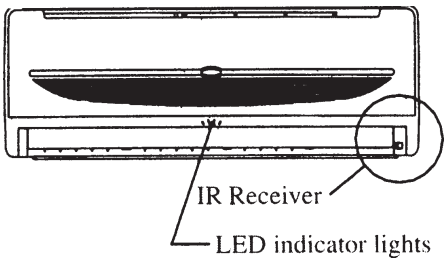
- Press the button to activate sleep mode. This function is available under COOL, HEAT & AUTO mode.
- When it is activated in COOL mode, the set temperature will be increased 0.5°C after 30mins, 1°C after 1 hour and 2°C after 2 hours.
- When it is activated in HEAT mode, the set temperature will be decreased 1°C after 30mins, 2°C after 1 hour and 3°C after 2 hours.

Operating Mode

- Press the MODE button to select the type of operating mode.
- For Cooling only unit, the available modes are: COOL, DRY & FAN.
- For Heatpump unit, the available modes are: AUTO, COOL, DRY, FAN & HEAT.

INDICATOR LIGHTS

IR signal receiver
When there is infrared remote control operating signal, the signal receiver on indoor unit will made a (beep) for signal acceptance confirmation.



The table below shows the LED indicator light for air conditioner unit under normal operation and fault condition. The LED indicator lights are located at the middle of the air conditioner unit.

The heat pump units is equipped with an “auto” mode, whereby the unit will provide reasonable room temperature by switching the unit automatically to either “cool” mode or “heat” mode, according to the temperature setting set by the user.

Cooling unit : LED Indicator Lights Display

COOL / HEAT		**TIMER**	
IONIZER		**SLEEP MODE**	

LED Indicator Lights : Normal Operation And Faulty Indication Table

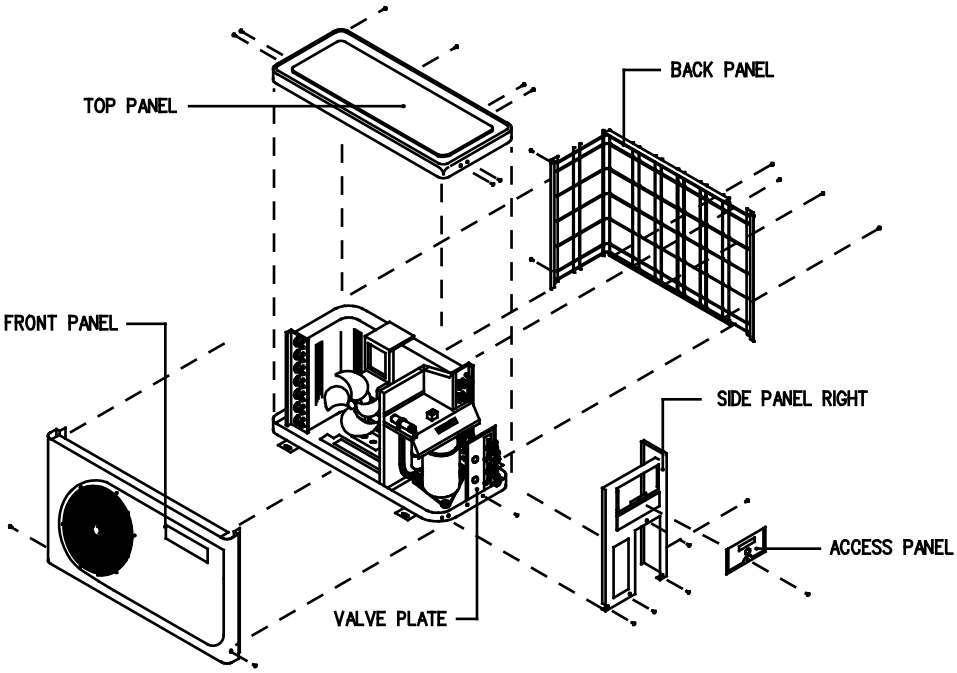
	COOL/HEAT (GREEN/RED)			Normal Operation / Fault Indication	Action
○/●	○ Green		○/●	Cool mode	-
○/●	○ Red		○/●	Heat mode	-
○/●	○ Red ◑ Green			Auto mode in heating operation	-
○/●	○ Green ◑ Red			Auto mode in cooling operation	-
	○	○		Timer on	-
○	○			Sleep mode on	-
	○		○	Ionizer on	-
		◑		Room air sensor contact Loose / Short Outdoor coil sensor contact Loose / Short	Call your dealer
◑		◑		Indoor coil sensor contact Loose / Short	Call your dealer
	◑	◑		Compressor overload protection trip or gas leask	Call your dealer
	◑ Red			Defrost operation	-

○ - ON ○/● - ON or OFF ◑ - Blinking

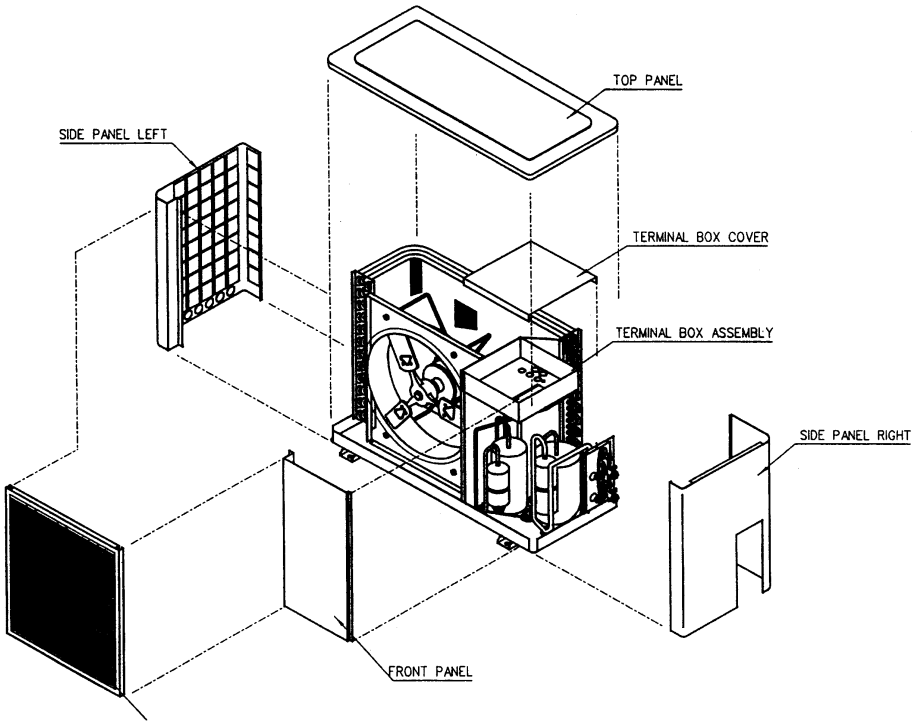
11. SERVICING AND MAINTENANCE

The design of the A(4)MSD, A(4)MST, and AMSH outdoor series allows servicing to be carried out readily and easy. The removal of the top, side, front and back panel make almost every part accessible.

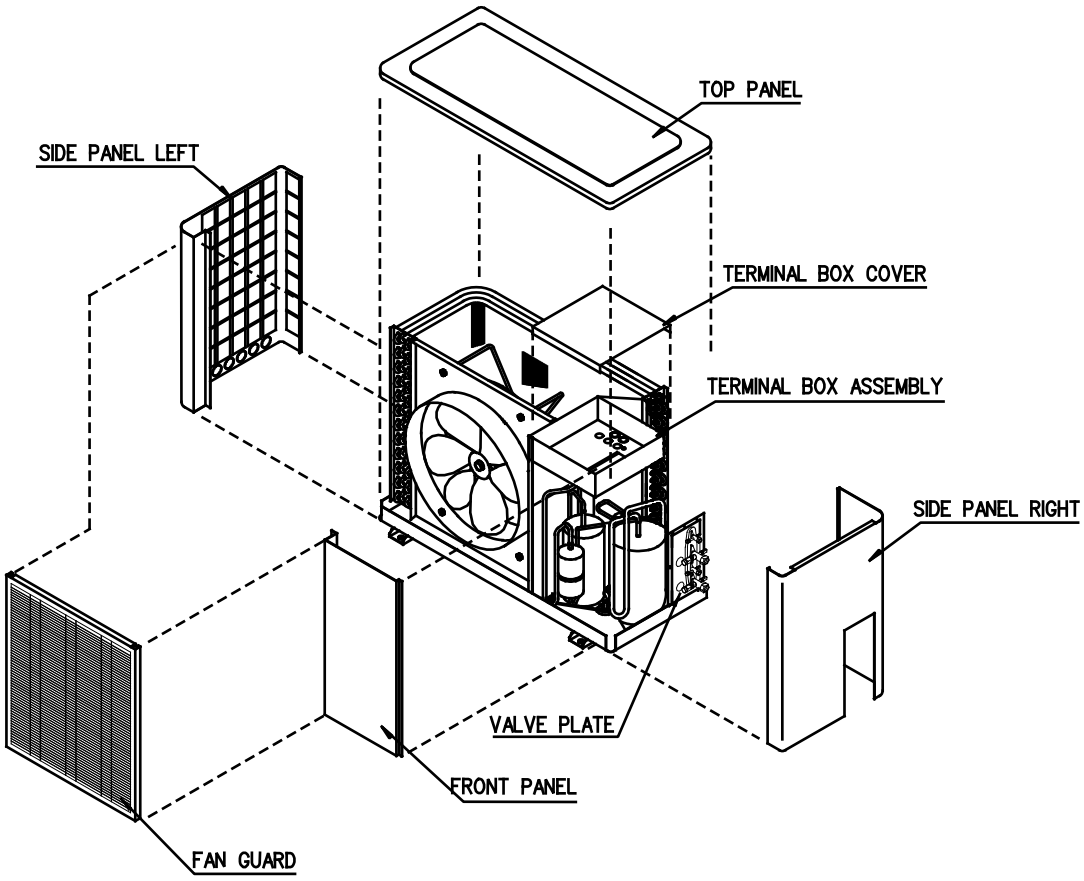
Model : Cooling – AMSD/A4MSD 1010/ 1015/ 1515 A
Heatpump – AMSD/A4MSD 1010/ 1015/ 1515 AR
Cooling – AMSH 8K8/ 8K66/ 66K66/ 66K555/ K77 A



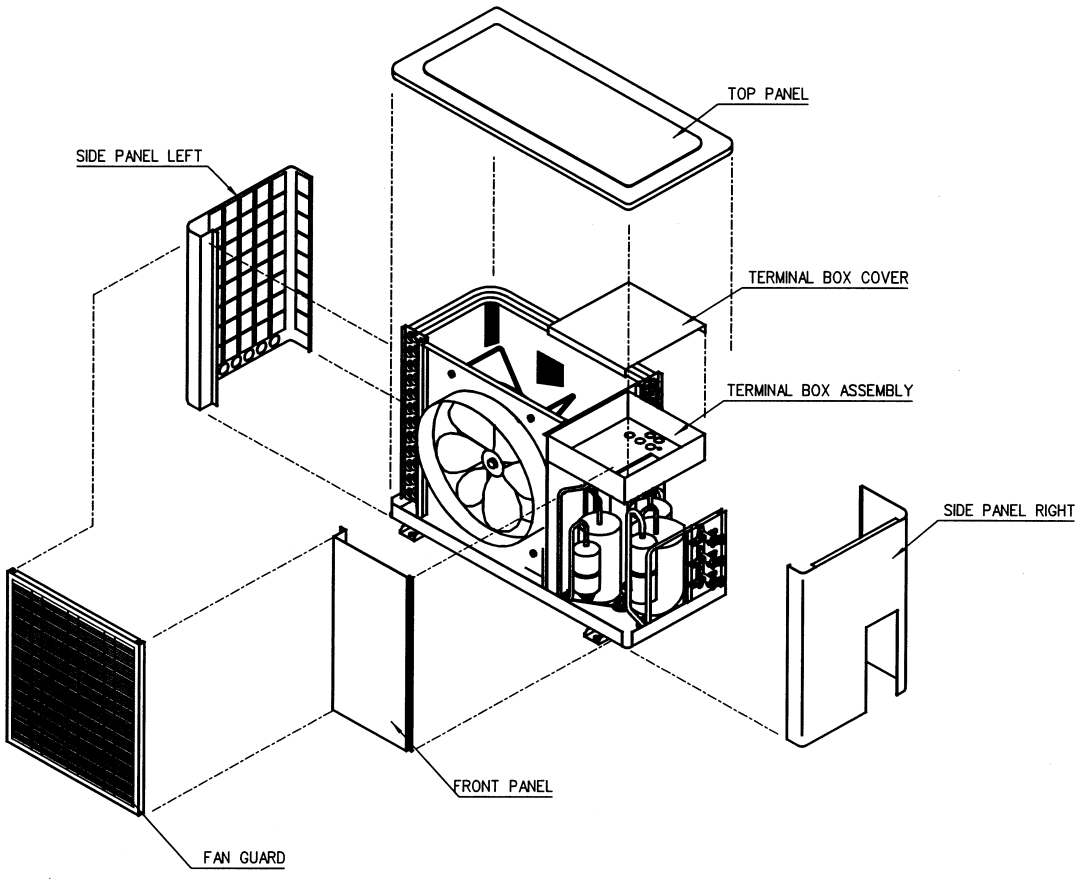
Model : Cooling – AMSD 1020/ 1520 A
Heatpump – AMSD 1520 AR



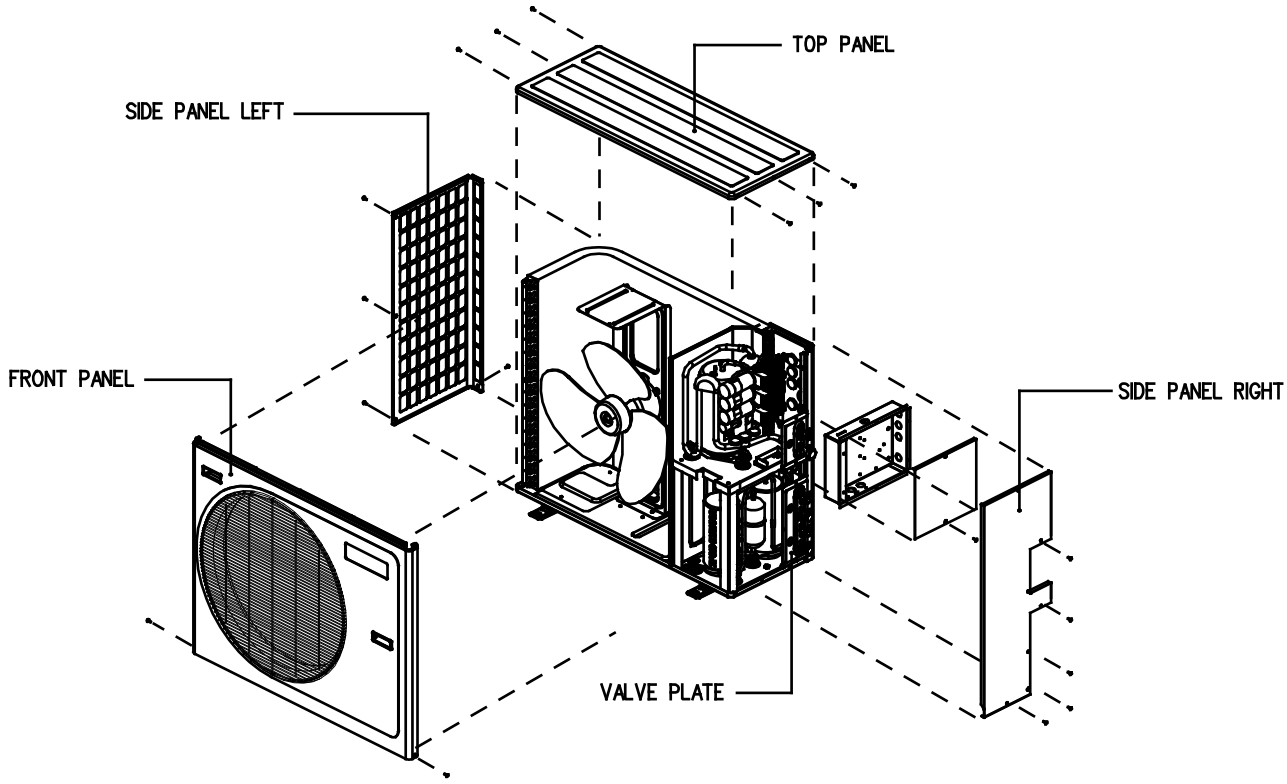
MODEL : AMSD 2020 A



MODEL : AMST 101010/ 101015/ 101515/ 151515/ 101020 A
A4MST 101010/ 101015/ 101515/ 151515 A/AR



MODEL : AMST 101025/ 101525/ 151525 A



Under normal circumstance, these outdoor units require a check and cleaning of air intake coil surface once quarterly. However, if a unit is installed in areas subjected to much oil mist and dust, the coils must be regularly cleaned by qualified Air Conditioner Service Technicians to ensure sufficient heat exchange and proper operation. Otherwise, the system's life span may be shortened.

CAUTION!

Do not charge OXYGEN, ACETYLENE OR OTHER FLAMMABLE and poisonous gases into the unit when performing a leakage test or an airtight test. These gases could cause severe explosion and damage if exposed to high temperatures and pressures.

It is recommended that only nitrogen or refrigerant be charged when performing the leakage or airtight test.

12. OPERATION

ELECTRICAL CONNECTIONS

Wiring regulations on wire diameters differ from country to country. Please refer to your LOCAL ELECTRICAL CODES for field wiring rules. Be sure that installation comply with such rules and regulations.

GENERAL PRECAUTIONS

Ensure that the rated voltage of the unit corresponds to the name plate before carrying out proper wiring according to the wiring diagram.

Provide a power outlet to be used exclusively for each unit. A power supply disconnect and a circuit breaker for over current protection should be provided in the exclusive line.

All wiring must be firmly connected.

All wiring must not touch the refrigerant piping, compressor or any moving parts of fan motors.

OPERATIONAL CHECK

After all wiring is completed and the system is charged with refrigerant, make sure that unit is operating properly. Check that :

Condenser fan is running, with warm air blowing off the condensing unit.

Evaporator blowers are running and discharging cool air.

The micro-computer system incorporate a 3-minute delay in the circuitry. Thus, it requires about 3 minutes upon cut off before the outdoor condensing unit can start up.

To check if there is any miswiring, turn on one unit at a time.

After running for 10-15 minutes. Check if the suction (low side) pressure is within normal operating range.

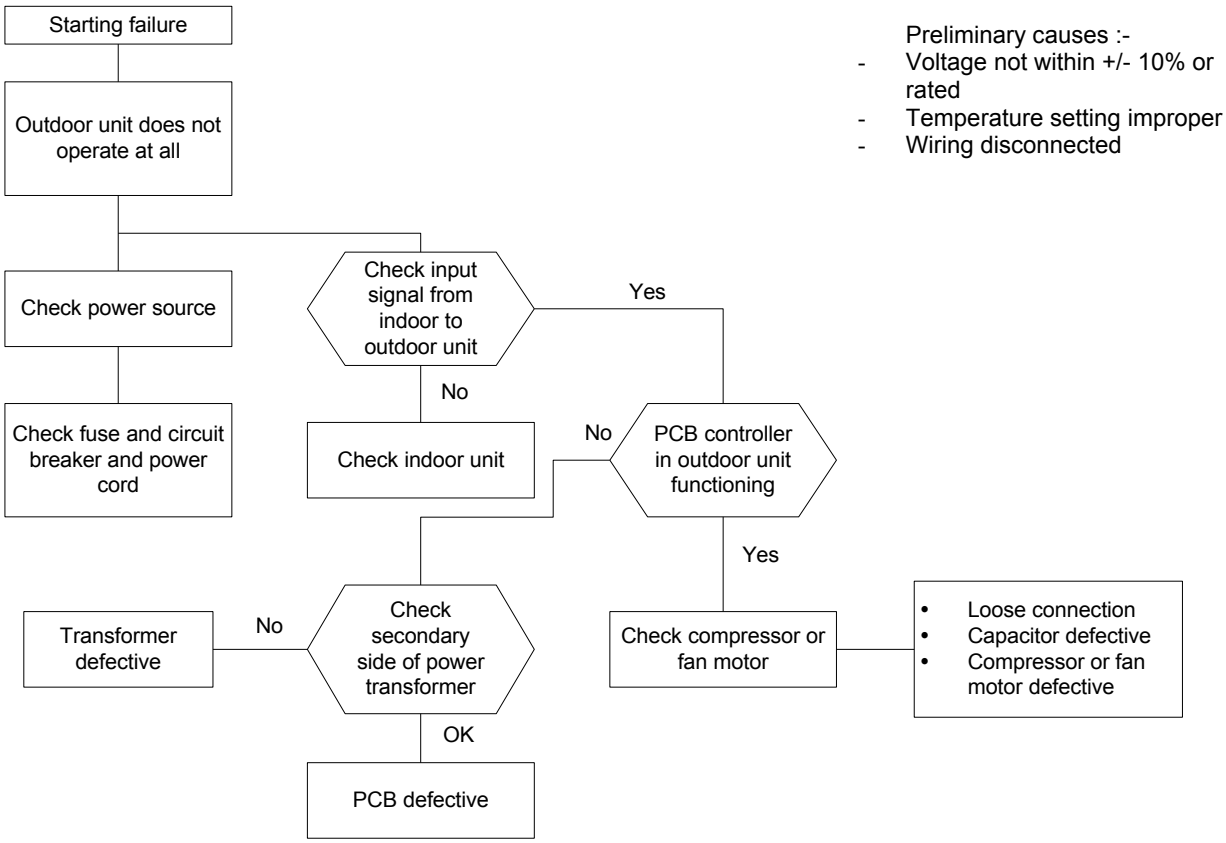
13. TROUBLESHOOTING

When any air conditioner malfunction is noted, immediately switch off the power supply to the unit and contact the local dealer, if necessary. Some simple troubleshooting tips are given below :

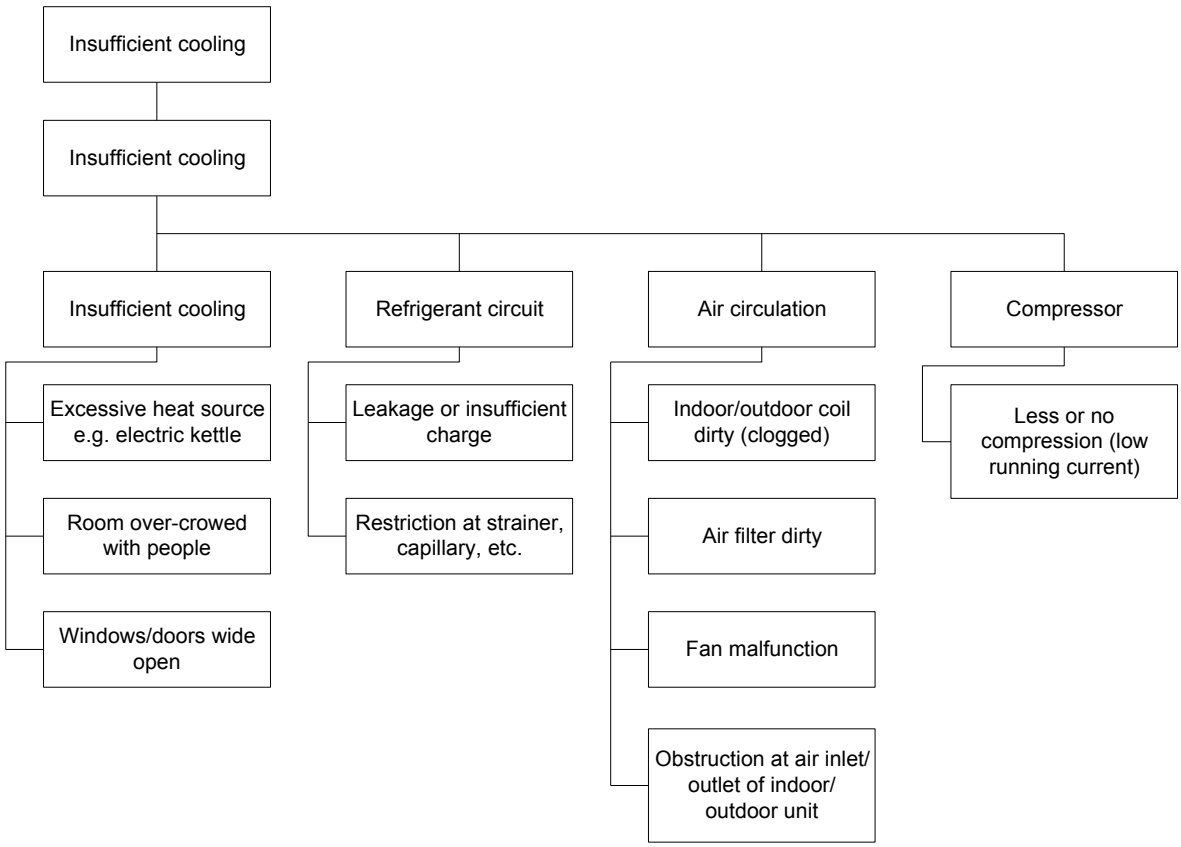
TROUBLE	PROBABLE CAUSE	SUGGESTED ACTION
1. Fan does not work	1. No power supply 2. Fan capacitor faulty 3. Fan motor faulty 4. Switch faulty	1. Check power supply 2. Contact local dealer 3. Contact local dealer 4. Change switch
2. Fan works, but compressor does not work	1 . Thermostat setting too high 2. Compressor capacitor faulty 3. Compressor faulty 4. Compressor contactor faulty	1 . Reset thermostat 2. Contact local dealer 3. Contact local dealer 4. Contact local dealer
3. Both fan and compressor does not work	1. Power failure 2. Starter trip 3. Fuse blown in power switch or operating unit	1. Operate when power supply resume 2. Reset starter 3. Check and replace fuse
4. Air-Conditioner works but cooling not satisfactory	1. Thermostat setting too high 2. Door and/or windows not closed 3. Condenser coil dirty 4. Some objects blocking the inlet and/or outlet of the unit 5. Refrigerant charge too low	1. Reset thermostat 2. Close door and/or windows 3. Clean condenser coil 4. Remove the objects 5. Contact local dealer

Generally, there are two kinds of common problems, i.e. starting failure and insufficient cooling. “Starting failure” is caused by electrical defect while “insufficient cooling” is caused by improper application or defects in refrigerant circuit.

DIAGNOSIS OF STARTING FAILURE

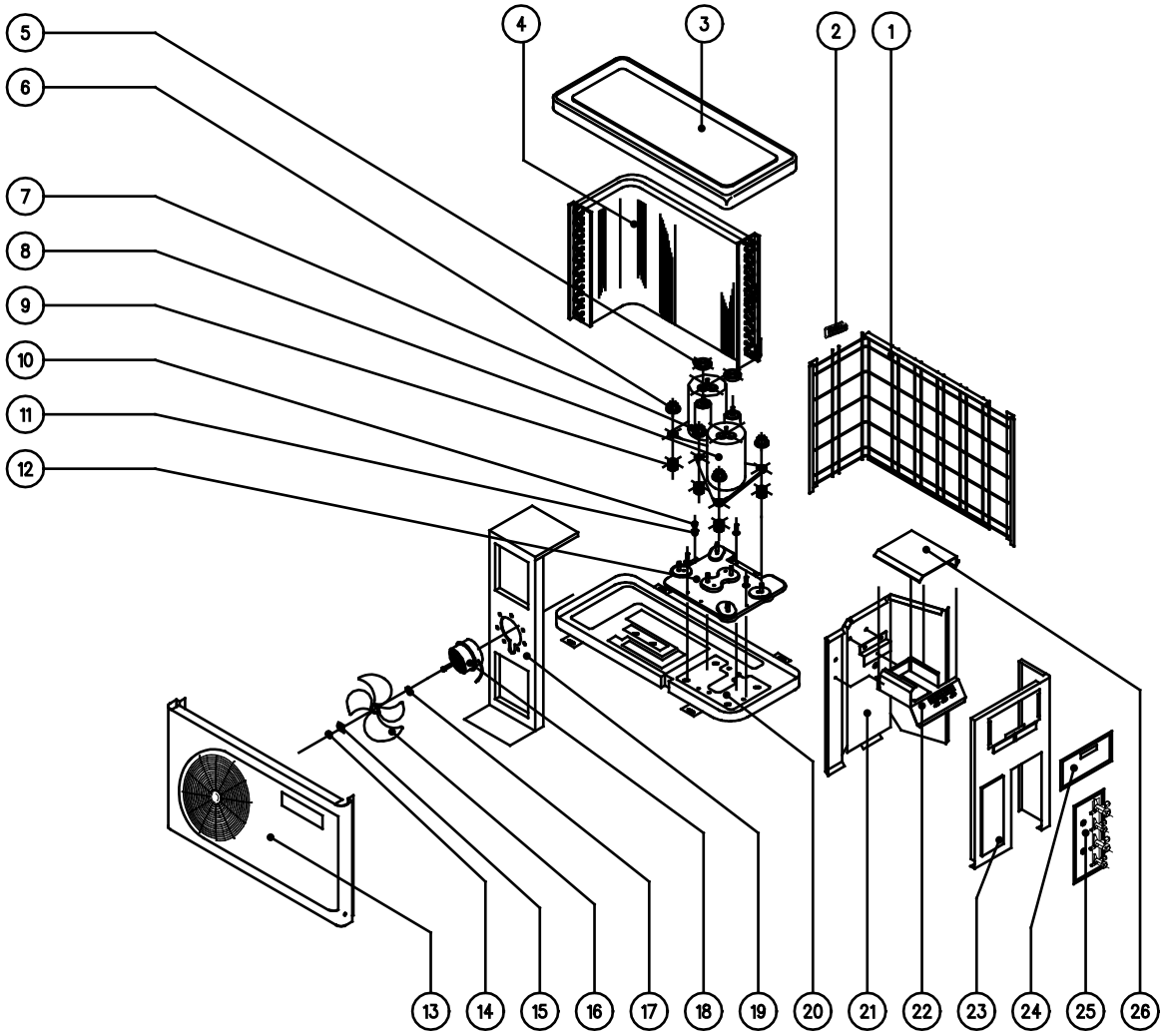


DIAGNOSIS OF INSUFFICIENT COOLING



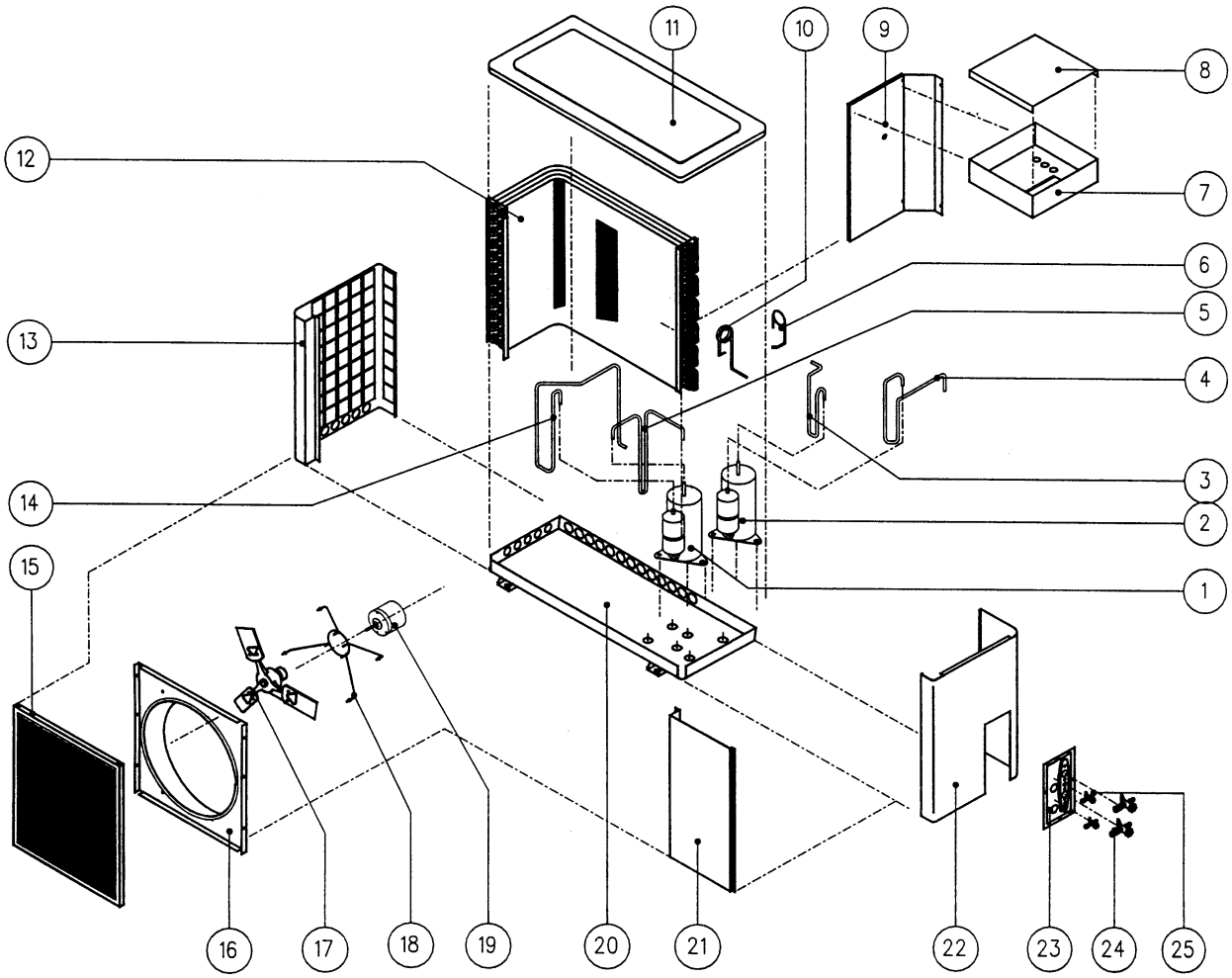
14. PART LIST

MODEL : AMSD / A4MSD 1010 / 1015 / 1515 A/AR



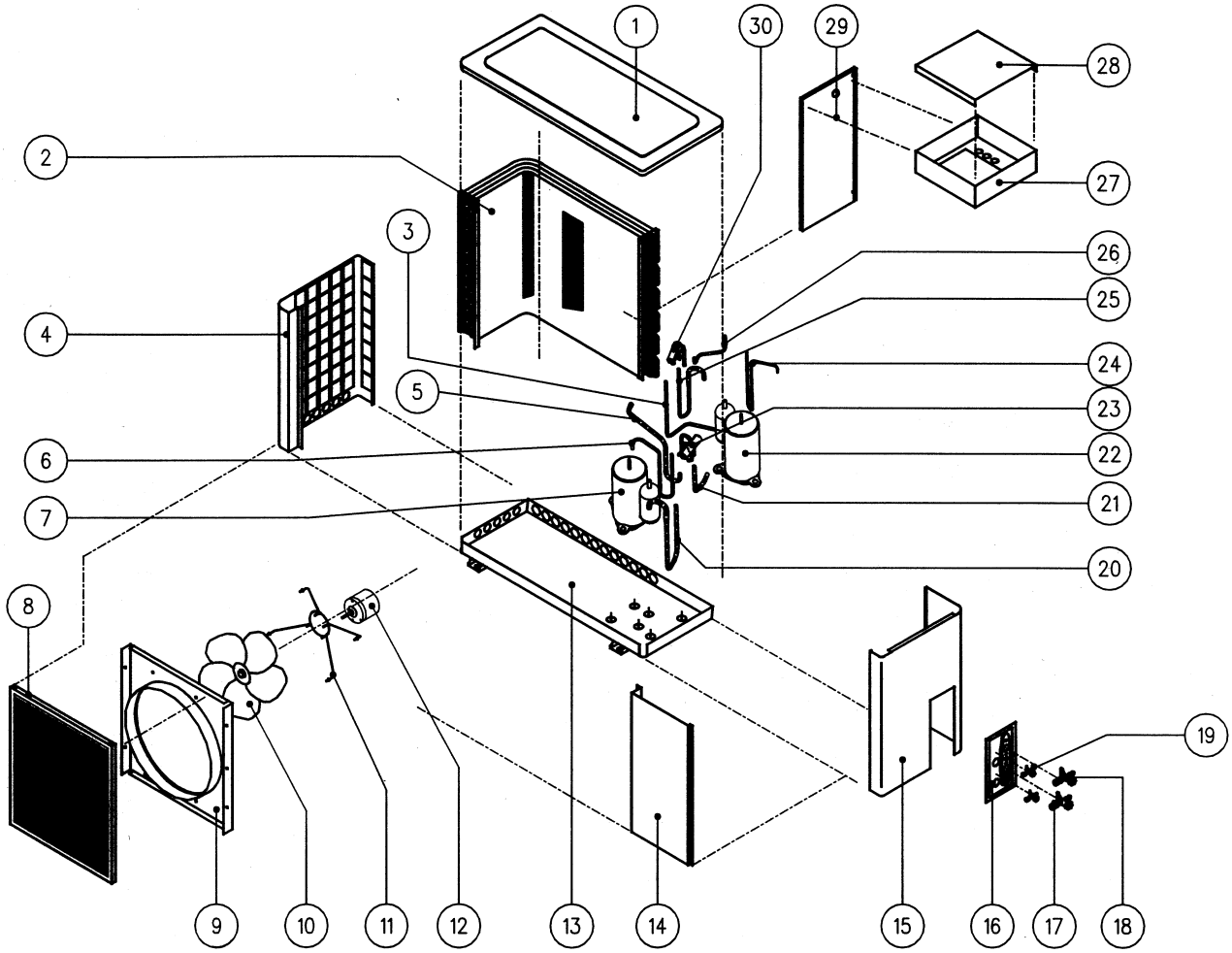
1. BACK PANEL
2. HANDLING HANDLE
3. TOP PANEL
4. CONDENSER COIL ASSEMBLY
5. COMPRESSOR NUT M8
6. FLAT WASHER
7. ROTARY COMPRESSOR 2
8. ROTARY COMPRESSOR 1
9. RUBBER GROMMET
10. TRUSS HEAD PHILIP SCREW
11. SPRING WASHER
12. MOUNTING PLATE ASSEMBLY
13. FRONT PANEL
14. HEX NUT 3/8”
15. SQUARE WASHER
16. FAN BLADE
17. RING WASHER
18. FAN MOTOR
19. FAN MOTOR BRACKET
20. BASE PAN ASSEMBLY
21. PARTITION ASSEMBLY
22. TERMINAL BOX PANEL WIRING ASSEMBLY
23. SIDE PANEL
24. ACCESS PANEL
25. FLARE VALVE MOUNTING PLATE ASSEMBLY
26. TERMINAL BOX COVER

MODEL : AMSD 1020A / 1520 A



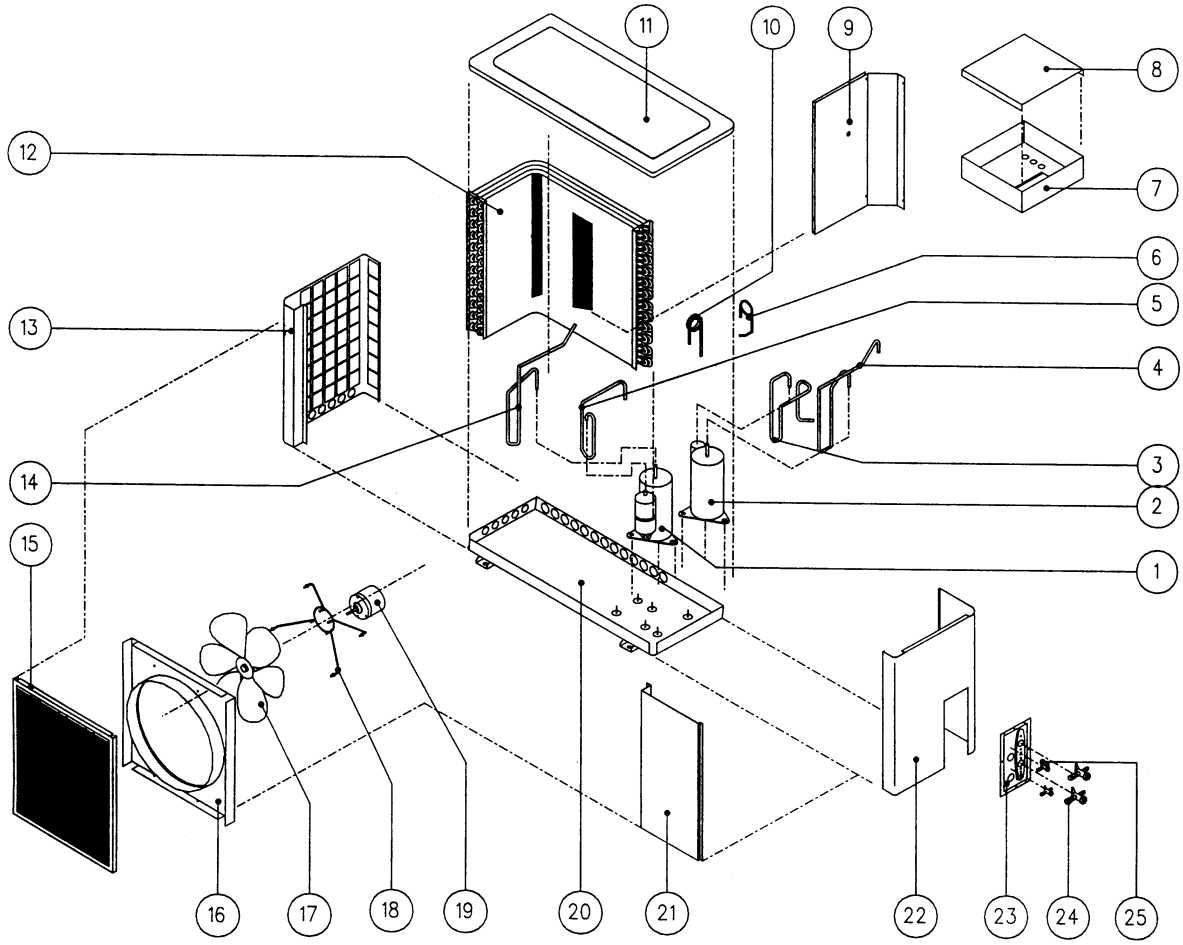
1. ROTARY COMPRESSOR 2 (1.0/1.5HP)
2. ROTARY COMPRESSOR 1 (2.0HP)
3. DISCHARGE TUBE 1
4. SUCTION TUBE 1
5. DISCHARGE TUBE 2
6. CAP. TUBE 2 ASSY
7. CONTROL BOX ASSY
8. CONTROL BOX COVER
9. PARTITION
10. CAP. TUBE 1 ASSY
11. TOP PANEL
12. CONDENSER COIL ASSY
13. SIDE PANEL LEFT
14. SUCTION TUBE 2
15. FAN GUARD
16. ORIFICE FOR 18” PROPELLER
17. FAN BLADE 18”
18. FAN MOTOR BRACKET
19. FAN MOTOR
20. BASE PAN ASSY
21. FRONT PANEL
22. SIDE PANEL RIGHT
23. VALVE PLATE
24. FLARE VALVES (GAS)
25. FLARE VALVES (LIQUID)

MODEL : AMSD 1520 AR



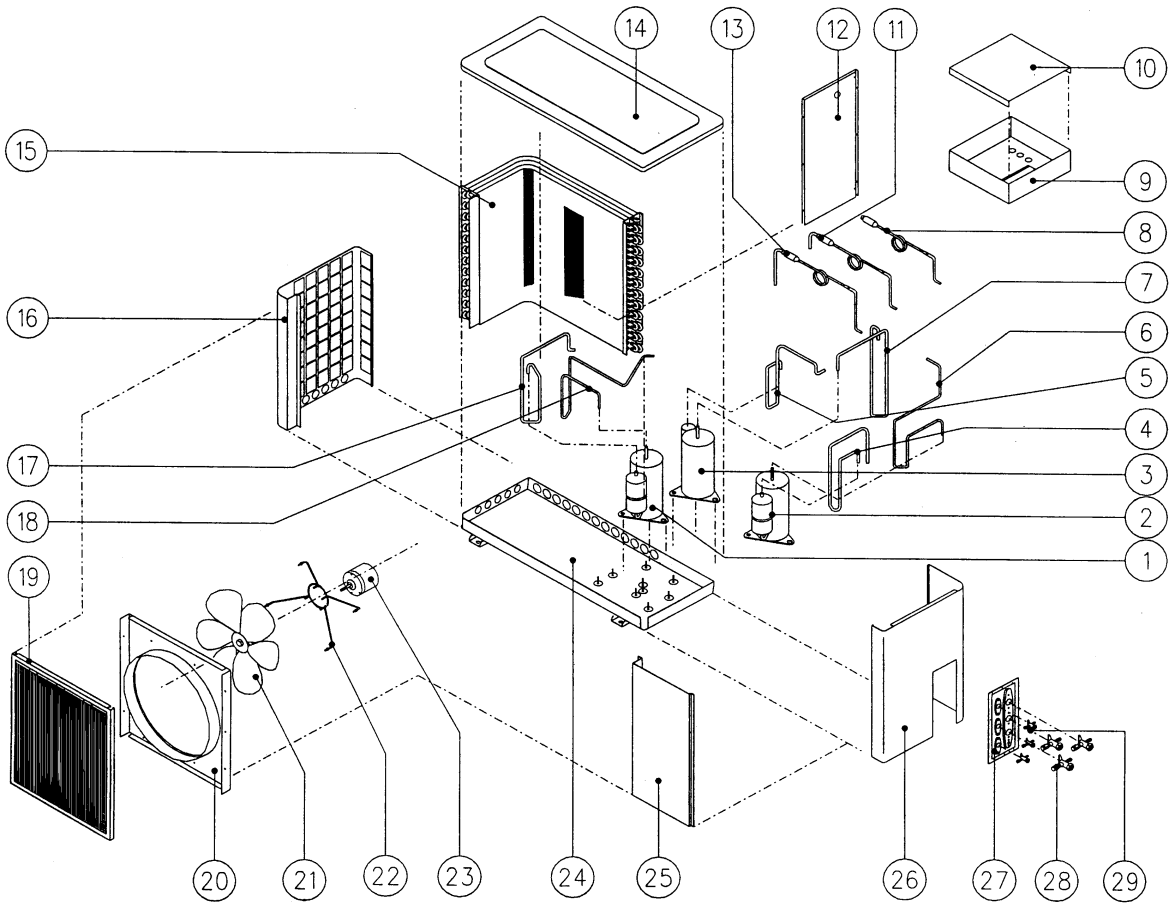
1. PANEL, TOP
2. ASSEMBLY, CONDENSER COIL
3. TUBE, 4WV 'E' – GAS TO VALVE COMP. 1
4. ASSEMBLY, SIDE PANEL LEFT INS.
5. TUBE, 4WV 'C' – O/D COIL COMP. 1
6. TUBE, DISCHARGE COMP. 2
7. MATSUSHITA COMPRESSOR (2JS350D3BB02)
8. ASSEMBLY, FAN GUARD INS.
9. ASSEMBLY, ORIFICE FOR 19" PROPELLER
10. PROPELLER FAN 19"
11. BRACKET, FAN MOTOR
12. MOTOR, FAN
13. ASSEMBLY, BASE PAN
14. ASSEMBLY, PANEL FRONT INS.
15. ASSY., SIDE PANEL RIGHT INS.
16. ASSEMBLY, FLARE VALVE PLATE
17. VALVE, FLARE 3 WAY ½"
18. VALVE, FLARE 3 WAY 5/8"
19. VALVE, FLARE 3 WAY ¼"
20. ASSY., SUCTION COMP. 2
21. TUBE, 4WV 'E' COMP. 2
22. MATSUSHITA COMPRESSOR (2KS224D3AC02)
23. 4 WAY VALVE (CHV0201 OR V26110B)
24. ASSY., DISCHARGE COMP. 1
25. ASSY., TUBE SUCTION COMP. 1
26. TUBE, 4WV 'C' – GAS 1
27. ASSEMBLY, TERMINAL BOX (MAIN)
28. COVER, TERMINAL BOX
29. PANEL, PARTITION
30. 4 WAY VALVE (CH0101 OR VH7100B)

MODEL : AMSD 2020A



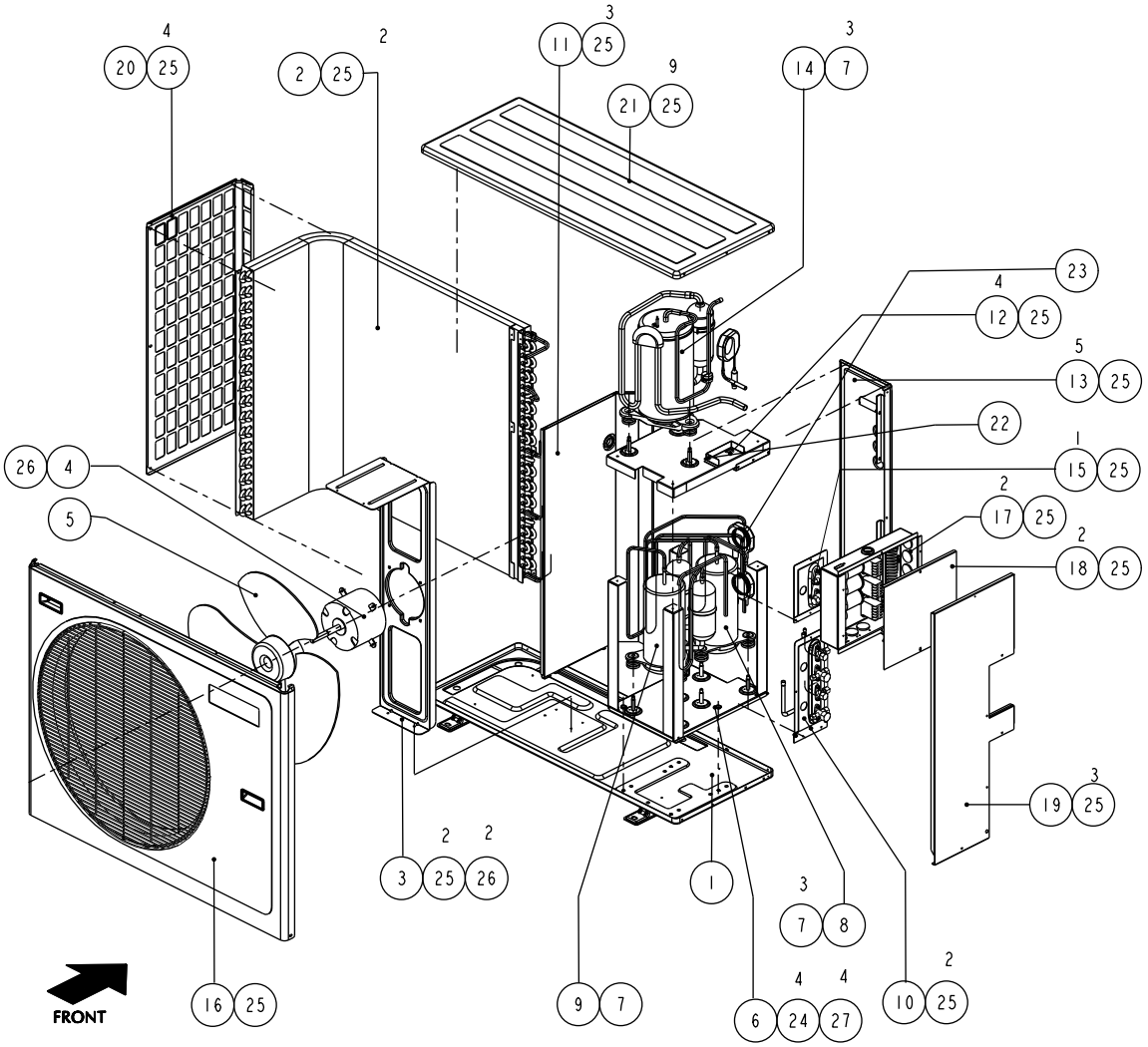
1. ROTARY COMPRESSOR 1
2. ROTARY COMPRESSOR 2
3. SUCTION TUBE 2
4. DISCHARGE TUBE 2
5. SUCTION TUBE 1
6. CAP. TUBE 2 ASSY
7. CONTROL BOX ASSY
8. CONTROL BOX COVER
9. PARTITION
10. CAP. TUBE 1 ASSY
11. TOP PANEL
12. CONDENSER COIL ASSY
13. SIDE PANEL LEFT
14. DISCHARGE TUBE 1
15. FAN GUARD
16. ORIFICE FOR 19” PROPELLER
17. FAN BLADE 19”
18. FAN MOTOR BRACKET
19. FAN MOTOR
20. BASE PAN ASSY
21. FRONT PANEL
22. SIDE PANEL RIGHT
23. VALVE PLATE
24. FLARE VALVES (GAS)
25. FLARE VALVES (LIQUID)

MODEL : AMST 101010 / 101015 / 101515 / 151515 / 101020 A
A4MST 101010 / 101015 / 101515 / 151515 A



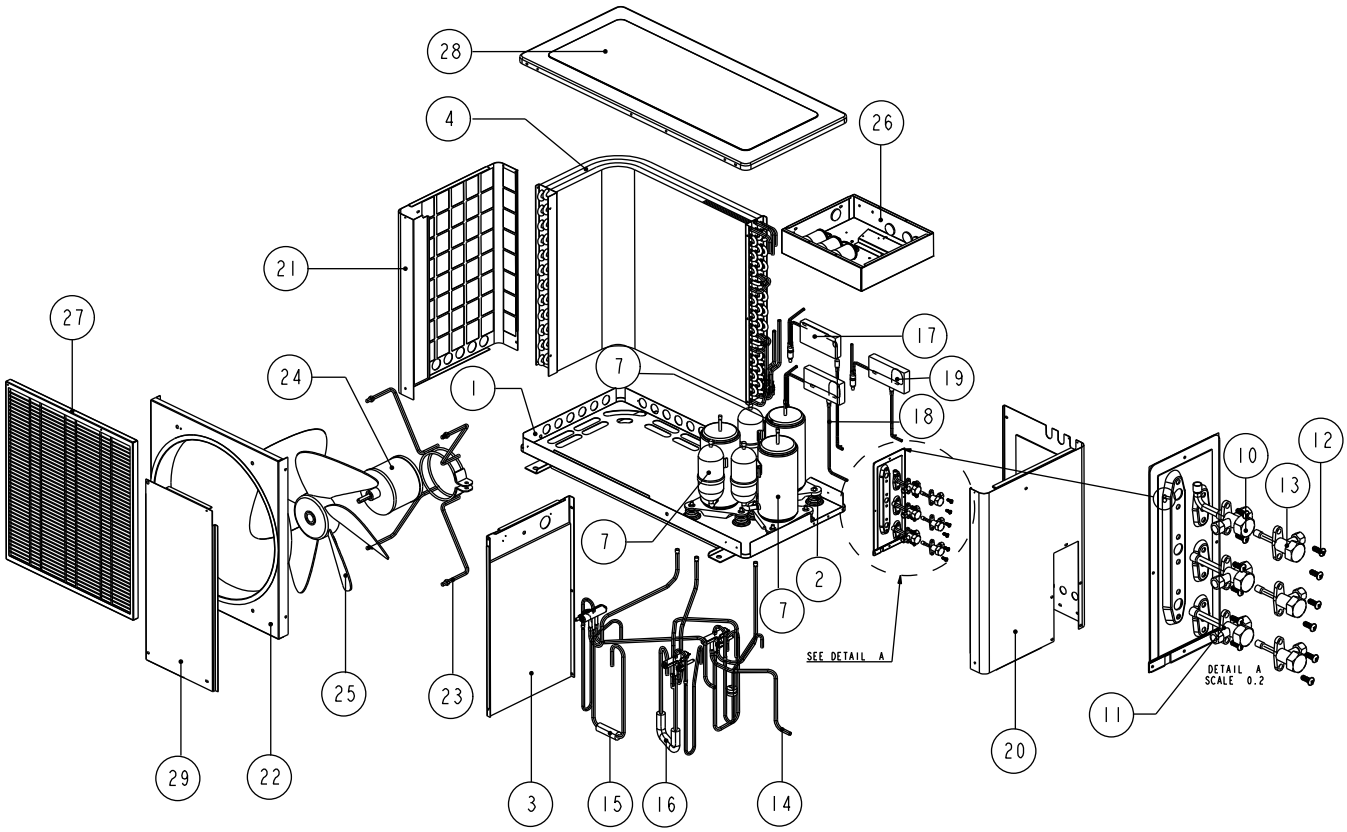
1. ROTARY COMPRESSOR 2
2. ROTARY COMPRESSOR 1
3. ROTARY COMPRESSOR 3
4. SUCTION TUBE 1
5. SUCTION TUBE 3
6. DISCHARGE TUBE 1
7. DISCHARGE TUBE 3
8. CAP. TUBE 1 ASSY
9. CONTROL BOX ASSY
10. CONTROL BOX COVER
11. CAP. TUBE 2 ASSY
12. PARTITION
13. CAP. TUBE 3 ASSY
14. TOP PANEL
15. CONDENSER COIL ASSY
16. SIDE PANEL LEFT
17. SUCTION TUBE 2
18. DISCHARGE TUBE 2
19. FAN GUARD
20. ORIFICE FOR 19” PROPELLER
21. PROPELLER 19”
22. FAN MOTOR BRACKET
23. FAN MOTOR
24. BASE PAN ASSY
25. FRONT PANEL
26. SIDE PANEL RIGHT
27. VALVE PLATE
28. FLARE VALVES (GAS)
29. FLARE VALVES (LIQUID)

MODEL : AMST 101025 / 101525 / 151525 A



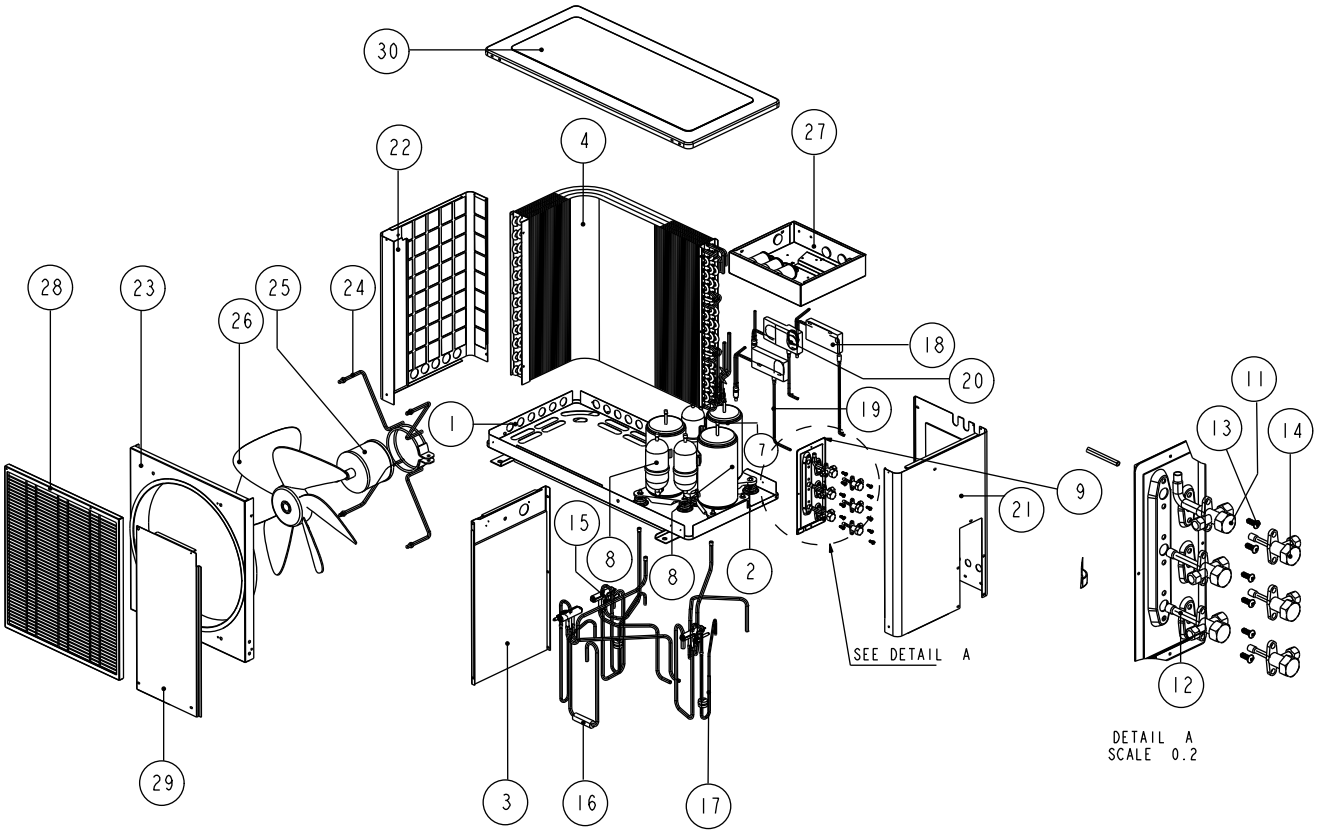
1. ASSY, PANEL BASE
2. ASSY, MAIN COIL
3. BRACKET, MOTOR
4. FAN MOTOR (YJ145 - SWELLING)
5. FAN, BLADE
6. ASSY, MOUNT PLATE BTM
7. RUBBER, GROMMET
8. COMPRESSOR, (2PS164D2BC02)
9. COMPRESSOR, (2KS2240D3AC02)
10. ASSY, VALVE BRACKET
11. ASSY, PANEL PARTITION
12. ASSY, MOUNTING PLT TOP
13. ASSY, PANEL BACK RIGHT
14. ASSY, COMP. 2JS438D3 (BENDED)
15. ASSY, VALVE BRACKET
16. ASSY, FRONT PANEL
17. ASSY, CONTROL BOX
18. ASSY, STICKER GUIDE TER. BOX COVER
19. ASSY, PANEL SERVICE
20. PANEL, SIDE LEFT
21. PANEL, TOP
22. BUSH, RUBBER
23. ASSY, UNIT TUBING
24. SCREW, SELF TAPPING
25. SCREW, PH T/HD 8 x 3/8 - (R / P)
26. SCREW, TRUSS HEAD PHILIP M5 x 16
27. WASHER, SPRING OD15 x ID8.5 x t1.2

MODEL : A4MST 101010 AR



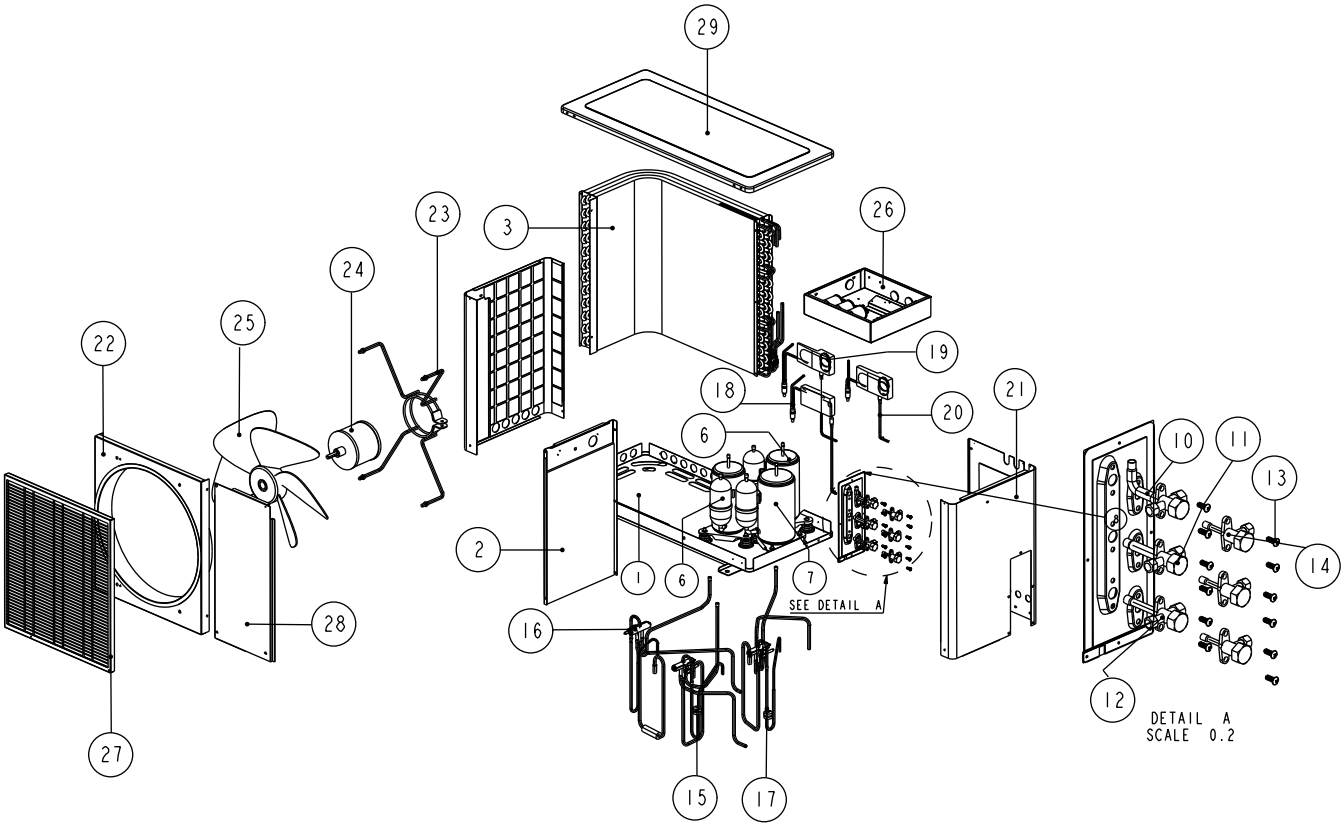
1. ASSY., BASE PAN
2. COMPRESSOR, RUBBER GROMMET
3. ASSY., INS. PARTITION
4. ASSY., OUTDOOR COIL MAIN
5. CLIP, SENSOR M2 6mm x 9.52mm
6. SENSOR, OUTDOOR DEFROST
7. ASSY., COMP. 4PS1640AA
8. ASSY., VALVE PLATE MAIN
9. FLARE JOINT VALVE PLATE
10. ASSY., 3-WAY VALVE (1/2")
11. ASSY., 3-WAY VALVE (3/8")
12. SCREW, TRUSS HEAD PHILLIP
13. ASSY., 2-WAY VALVE (1/4")
14. ASSY., 4WV COMP. 1 (1.0 HP)
15. ASSY., 4WV COMP. 2 (1.0 HP)
16. ASSY., 4WV COMP. 3 (1.0 HP)
17. ASSY., CAP. TUBE 1 (1.0 HP)
18. ASSY., CAP. TUBE 2 (1.0 HP)
19. ASSY., CAP. TUBE 3 (1.0 HP)
20. ASSY., SIDE PANEL RIGHT INS.
21. PANEL, SIDE LEFT
22. ASSY., ORIFICE 19" PROPELLER
23. BRACKET, MOTOR
24. ASSY., FAN MOTOR
25. PROPELLER, FAN (19")
26. ASSY., PANEL TERMINAL BOX
27. FAN, GUARD
28. PANEL, TOP
29. PANEL, FRONT

MODEL : A4MST 101015 AR



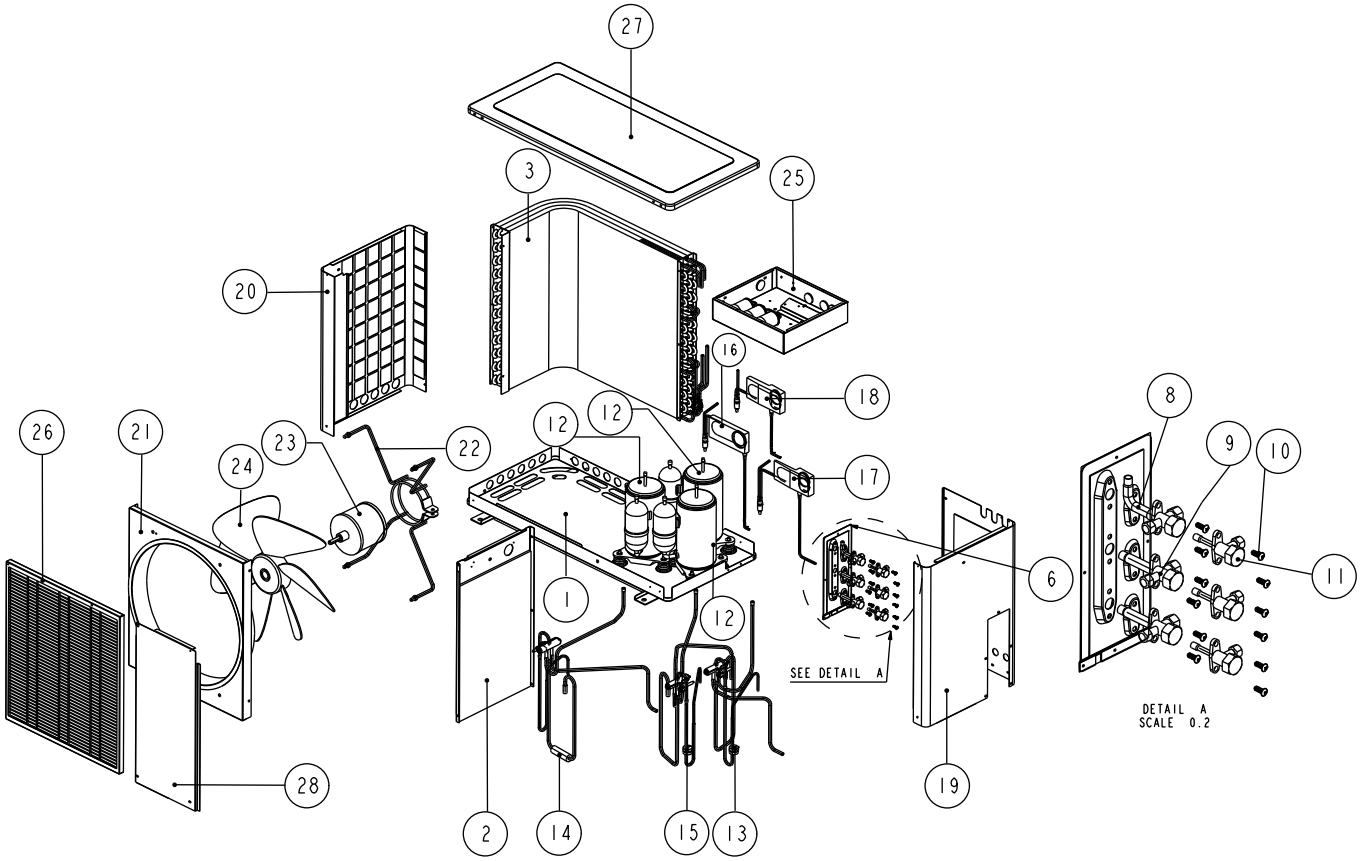
1. ASSY., BASE PAN
2. COMPRESSOR, RUBBER GROMMET
3. ASSY., INS. PARTITION
4. ASSY., OUTDOOR COIL MAIN
5. CLIP, SENSOR M2 6mm x 9.52mm
6. SENSOR, OUTDOOR DEFROST
7. ASSY., COMP. 4PS1640AA
8. ASSY., COMP. 4KS2250AA
9. ASSY., VALVE PLATE MAIN
10FLARE JOINT VALVE PLATE
11. ASSY., 3-WAY VALVE (1/2")
12. ASSY., 3-WAY VALVE (3/8")
13. SCREW, TRUSS HEAD PHILLIP
14. ASSY., 2-WAY VALVE (1/4")
15. ASSY., 4WV COMP. 1 (1.0 HP)
16. ASSY., 4WV COMP. 2 (1.0 HP)
17. ASSY., 4WV COMP. 3 (1.5 HP)
18. ASSY., CAP. TUBE 1 (1.0 HP)
19. ASSY., CAP. TUBE 2 (1.0 HP)
20. ASSY., CAP. TUBE 3 (1.5 HP)
21. ASSY., SIDE PANEL RIGHT INS.
22. PANEL, SIDE LEFT
23. ASSY., ORIFICE 19" PROPELLER
24. BRACKET, MOTOR
25. ASSY., FAN MOTOR
26. PROPELLER, FAN (19")
27. ASSY., PANEL TERMINAL BOX
28. FAN, GUARD
29. PANEL, FRONT
30. PANEL, TOP

MODEL : A4MST 101515 AR



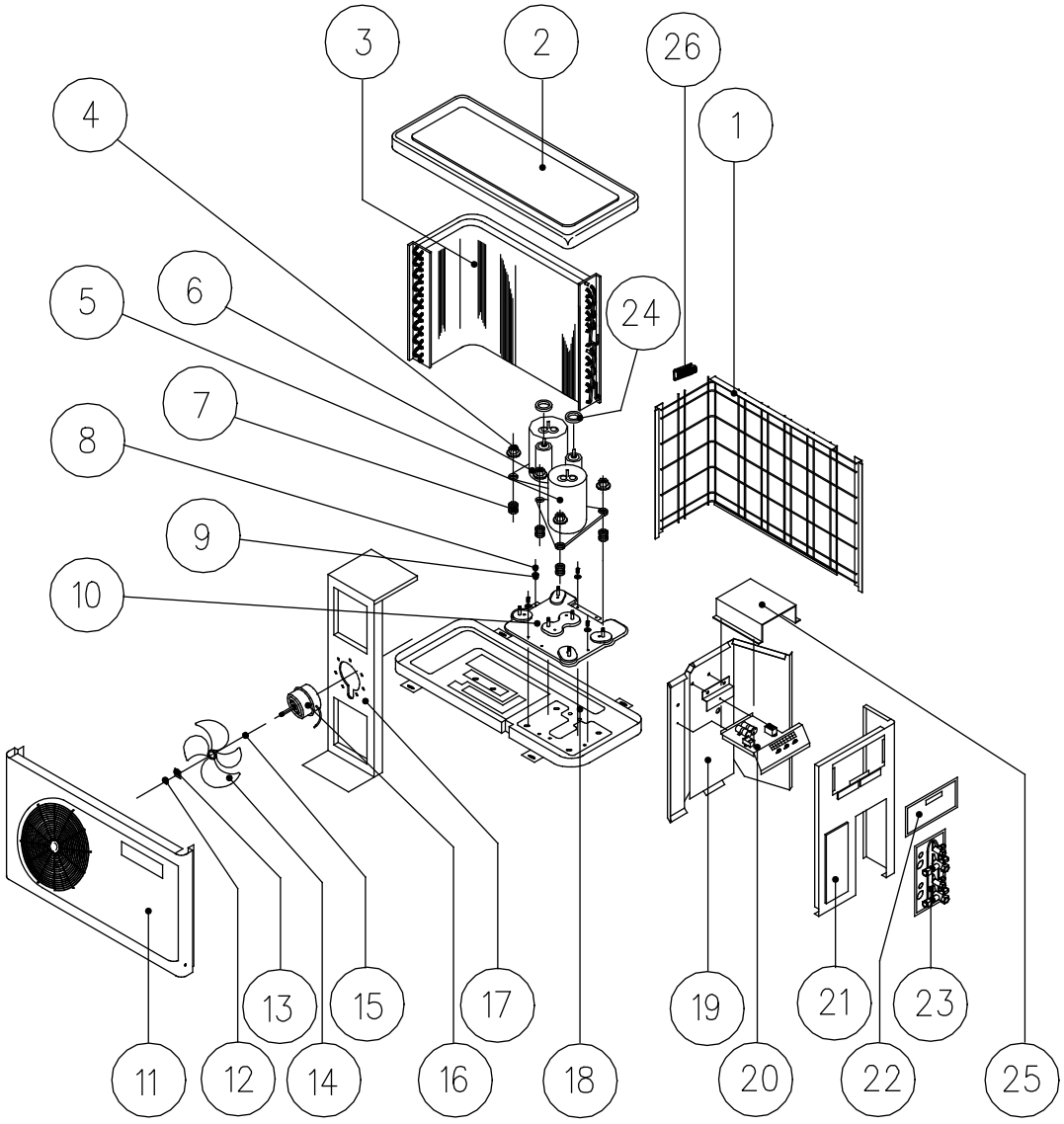
1. ASSY., BASE PAN
2. ASSY., INS. PARTITION
3. ASSY., OUTDOOR COIL MAIN
4. CLIP, SENSOR M2 6mm x 9.52mm
5. SENSOR, OUTDOOR DEFROST
6. ASSY., COMP. 4PS1640AA
7. ASSY., COMP. 4KS2250AA
8. ASSY., VALVE PLATE MAIN
9. FLARE JOINT VALVE PLATE
10. ASSY., 3-WAY VALVE (1/2")
11. ASSY., 3-WAY VALVE (1/2")
12. ASSY., 3-WAY VALVE (3/8”)
13. SCREW, TRUSS HEAD PHILLIP
14. ASSY., 2-WAY VALVE (1/4”)
15. ASSY., 4WV COMP. 1 (1.0 HP)
16. ASSY., 4WV COMP. 2 (1.5 HP)
17. ASSY., 4WV COMP. 3 (1.5 HP)
18. ASSY., CAP. TUBE 1 (1.0 HP)
19. ASSY., CAP. TUBE 2 (1.5 HP)
20. ASSY., CAP. TUBE 3 (1.5 HP)
21. ASSY., SIDE PANEL RIGHT INS.
22. ASSY., ORIFICE 19” PROPELLER
23. BRACKET, MOTOR
24. ASSY., FAN MOTOR
25. PROPELLER, FAN (19”)
26. ASSY., PANEL TERMINAL BOX
27. FAN, GUARD
28. PANEL, FRONT
29. PANEL, TOP

MODEL : A4MST 151515 AR



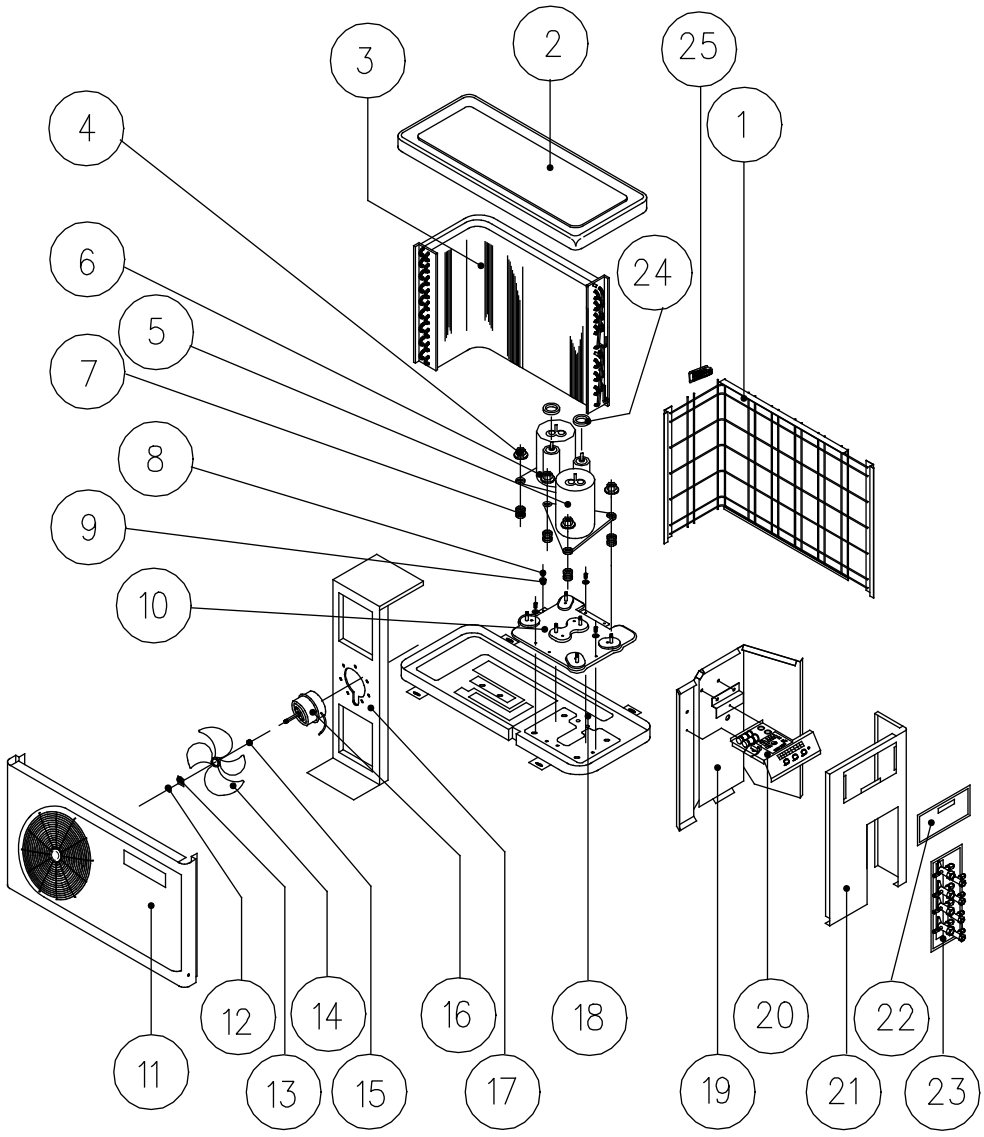
1. ASSY., BASE PAN
2. ASSY., INS. PARTITION
3. ASSY., OUTDOOR COIL MAIN
4. CLIP, SENSOR M2 6mm x 9.52mm
5. SENSOR, OUTDOOR DEFROST
6. ASSY., VALVE PLATE MAIN
7. FLARE JOINT VALVE PLATE
8. ASSY., 3-WAY VALVE (1/2")
9. ASSY., 3-WAY VALVE (1/2")
10. SCREW, TRUSS HEAD PHILLIP
11. ASSY., 2-WAY VALVE (1/4")
12. ASSY., COMP. 4KS2250AA
13. ASSY., 4WV COMP. 1 (1.5 HP)
14. ASSY., 4WV COMP. 2 (1.5 HP)
15. ASSY., 4WV COMP. 3 (1.5 HP)
16. ASSY., CAP. TUBE 1 (1.5 HP)
17. ASSY., CAP. TUBE 2 (1.5 HP)
18. ASSY., CAP. TUBE 3 (1.5 HP)
19. ASSY., SIDE PANEL RIGHT INS.
20. PANEL, SIDE LEFT
21. ASSY., ORIFICE 19" PROPELLER
22. BRACKET, MOTOR
23. ASSY., FAN MOTOR
24. PROPELLER, FAN (19")
25. ASSY., PANEL TERMINAL BOX
26. FAN, GUARD
27. PANEL, TOP
28. PANEL, FRONT

MODEL : AMSH 8K8 A



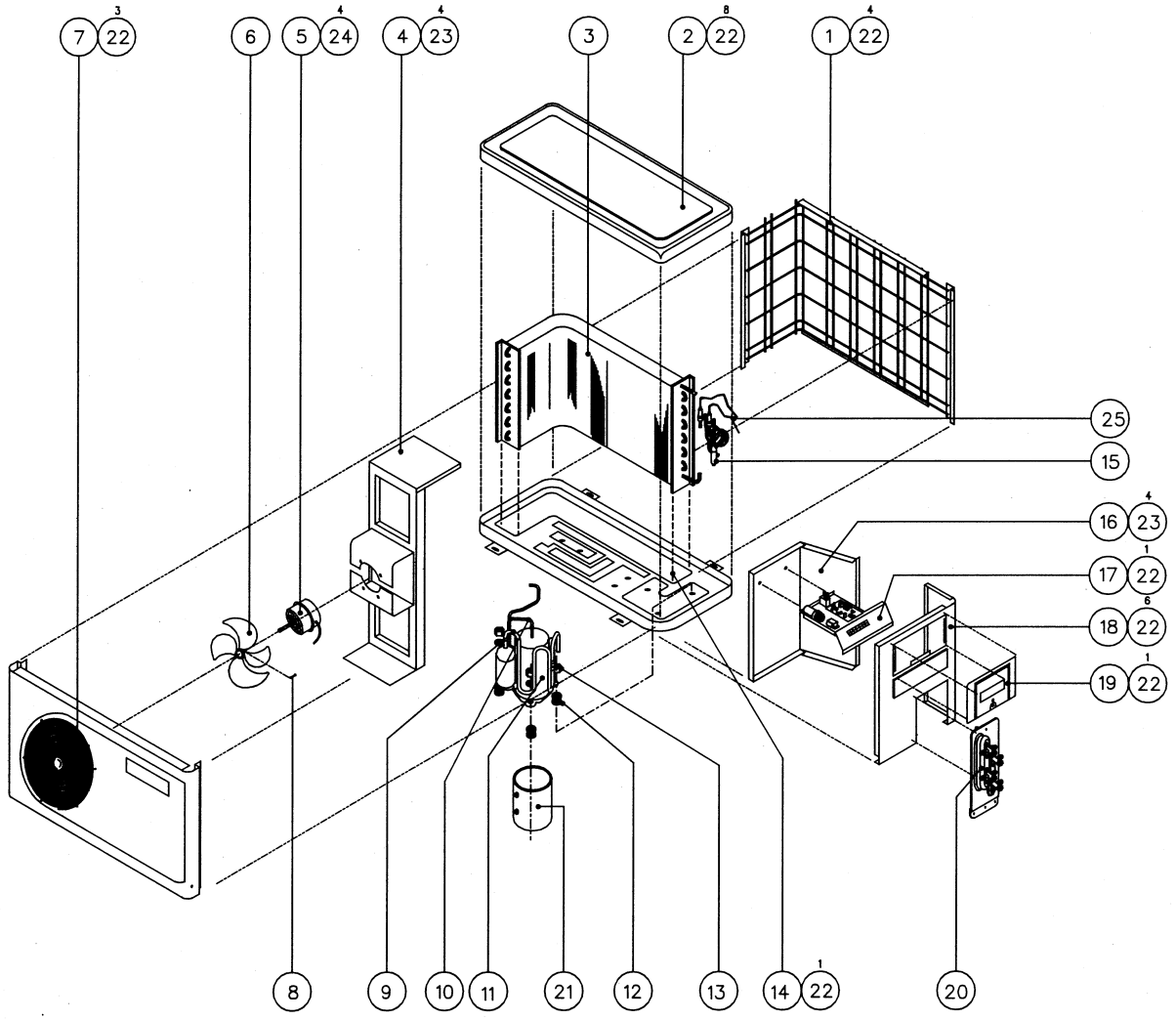
1. ASSY, BACK PANEL
2. ASSY, TOP PANEL
3. ASSY, CONDENSER COIL
4. NUT M8, WITH WASHER
5. ROTARY COMPRESSOR A (2PS132D2AB02)
6. ROTARY COMPRESSOR B (2PS132D2AB02)
7. GROMMET, RUBBER
8. SCREW, TRUSS HEAD PHILIP
9. WASHER, SPRING
10. ASSY, MOUNTING PLATE
11. ASSEMBLY, PANEL FRONT
12. NUT, HEXAGON 3/8"
13. WASHER, SQUARE
14. FAN BLADE
15. WASHER, RING
16. MOTOR, FAN
17. BRACKER, FAN MOTOR
18. ASSY, BASE PAN
19. ASSY, PARTITION
20. ASSY, TERMINAL BOX PANEL
21. ASSY, SIDE PANEL
22. ASSY, ACCESS PANEL
23. ASSY, VALVE PLATE
24. DAMPER, RUBBER
25. COVER, TERMINAL BOX
26. HANDLING HANDLE

MODEL : AMSH 8K66 / 66K66 / 66K555 A



1. ASSY, BACK PANEL
2. ASSY, TOP PANEL
3. ASSY, CONDENSER COIL
4. NUT M8, WITH WASHER
5. ROTARY COMPRESSOR A (2PS192D2AB02)
6. ROTARY COMPRESSOR B (2PS192D2AB02)
7. GROMMET, RUBBER
8. SCREW, TRUSS HEAD PHILIP
9. WASHER, SPRING
10. ASSY, MOUNTING PLATE
11. ASSY, PANEL FRONT
12. NUT, HEXAGON 3/8"
13. WASHER, SQUARE
14. FAN BLADE
15. WASHER, RING
16. MOTOR, FAN
17. BRACKER, FAN MOTOR
18. ASSY, BASE PAN
19. ASSY, PARTITION
20. ASSY, TERMINAL BOX PANEL
21. ASSY, SIDE PANEL
22. ASSY, ACCESS PANEL
23. ASSY, VALVE PLATE
24. DAMPER, RUBBER
25. HANDLING HANDLE

MODEL : AMSH K77 A



1. BACK PANEL ASSY
2. TOP PANEL ASSY
3. CONDENSER COIL ASSY
4. MOTOR MOUNTING BRACKET
5. FAN MOTOR
6. FAN BLADE
7. FRONT GRILLE ASSY
8. FAN SET SCREW
9. TUBE SUCTION A & B ASSY
10. DISCHARGE TUBE
11. ROTARY COMPRESSOR
12. RUBBER GROMMET
13. NUT WITH WASHER (M8)
14. BASE PAN ASSY
15. CAPILLARY TUBE ASSY
16. PARTITION ASSY
17. TERMINAL BOX ASSY
18. SIDE PANEL ASSY
19. ACCESS PANEL
20. VALVE PLATE ASSY
21. COMPRESSOR JACKET
22. TRUSS HEAD PHILIP SCREW
23. PAN HEAD TAPPING SCREW
24. TRUSS HEAD PHILIP SCREW
25. SOLENOID COIL INS 1&2 ASSY

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