

INVERTER MULTI SPLIT SYSTEMS

PERFORMANCE DATA

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1. FEATURES OF EACH MODEL

No.	ITEM	Wall mounted	
		ASY9QMACW ASY12QMACW	ASY18QMA-W ASY24QMA-W
(1)	Liquid crystal wireless remote controller	○	○
(2)	Liquid crystal wired remote controller	—	—
(3)	Automatic flaps	○	○
(4)	Automatic shut flaps	○	○
(5)	Up/Down swing flaps	○	○
(6)	Left/Right swing flaps	—	○
(7)	One touch automatic operation	○	○
(8)	Automatic mode operation	○	○
(9)	Dry operation	○	○
(10)	Fan operation	○	○
(11)	Automatic air flow adjustment	○	○
(12)	On timer	○	○
(13)	Off timer	○	○
(14)	Program timer	○	○
(15)	Sleep timer	○	○
(16)	Quiet operation	○	○
(17)	Energy save operation	—	—
(18)	Auto restart	○	○
(19)	Auto changeover	—	○

2-1.SPECIFICATIONS for INVERTER MODEL

				HEAT PUMP INVERTER										
MODEL NO.		I. U.		ASY9QMACW		ASY9QMACW×2		ASY9QMACW×3		ASY9QMACW×4				
		O. U.		AOY30QMAM4										
VOLTS/PHASE/CYCLE V/φ/Hz				230/~/50										
OPERATION				RATING	MAXIMAM	RATING	MAXIMAM	RATING	MAXIMAM	RATING	MAXIMAM			
COOLING PAFORMANCE	CAPACITY	W		2700	2700	5400	5400	7050	7900	7800	9000			
		BTU/h		9200	9200	18400	18400	24000	27000	22600	30700			
	CURRENT	A	5.2	5.2	9.1	9.1	10.8	15.2	12.0	15.9				
	INPUT	W	1200	1200	2100	2100	2500	3490	2670	3670				
	EER	W/W	2.25	-	2.57	-	2.82	-	2.92	-				
HEATING PAFORMANCE	CAPACITY	W		3300	3300	6600	6600	8850	9400	9200	10900			
		BTU/h		11300	11300	22600	22600	30300	32100	31600	37200			
	CURRENT	A	5.6	5.6	10.0	10.0	12.5	15.2	11.8	16				
	INPUT	W	1280	1280	2300	2300	2890	3500	2720	3690				
	EER	W/W	2.58	-	2.87	-	3.03	-	3.38	-				
FREQUENCY		rps	35	-	60	-	75	-	75	-				
MOISTURE REMOVAL		I/h	1.2		2.4		2.5		1.8					
STARTING CURRENT		A	10		10		10		10					
INDOOR UNIT	FAN SPEED (COOL/HEAT)	Hi	rpm	1250/1250										
		Med	rpm	1150/1150										
		Lo	rpm	1070/1070										
		Quiet	rpm	1000/1000										
	AIR CIRCULATION	Hi	M³/h	440										
		Med	M³/h	405										
		Lo	M³/h	375										
		Quiet	M³/h	350										
	NOISE	High	dB(A)	38										
		Med	dB(A)	36										
		Low	dB(A)	34										
		Quiet	dB(A)	32										
	HEAT EXCHANGER	TYPE	Plate fin coil											
		FACE AREA	m²	0.159										
		FIN/Inch.	19.5											
	FAN TYPE * Qty.			Cross flow fan										
	FAN MOTER OUTPUT		W	16.5										
	DIMENSIONS H ×W ×D (mm)	NET	I. U.	260×815×175										
			-											
		GROSS	I. U.	302×866×248										
			-											
	WEIGHT (Kg)	NET/ GROSS	I. U.	8/10										
			-											
	OPERATION CONTROL			Wireless										
	INDOOR UNIT TYPE			Mighty Compact MII										
OUTDOOR UNIT	FAN SPEED	Hi	rpm			780								
		Lo	rpm			430								
	AIR CIRCULATION	Hi	M³/h			3200								
		Lo	M³/h			1800								
	NOISE COOL/HEAT	Hi	dB(A)			52/53								
		Lo	dB(A)			48/48								
	HEAT EXCHANGER	TYPE	Plate fin coil											
		FACE AREA	m²	0.726										
		FIN/Inch.	14.1											
	FAN TYPE * Qty.			Propeller fan * 1										
	FAN MOTER OUTPUT		W	60										
	COMPRESSOR	TYPE	DC TWIN ROTARY(INVERTER)×1											
		CAPACITY/OUTPUT kW	7.08/1.3(60rps)											
	DIMENSIONS H ×W ×D (mm)	NET	900×900×350											
		GROSS	1045×1025×445											
	WEIGHT (Kg)	NET/ GROSS	85/97											
	REFRIGE-RANT CIRCUIT	OPERATION MODE			COOLING	HEATING	COOLING	HEATING	COOLING	HEATING	COOLING	HEATING		
DISCHARGE PRESSURE		Mpa		1.75	2.19	1.98	2.16	2.14	2.02	2.17	1.83			
SUCTION PRESSURE		Mpa		0.53	0.53	0.54	0.49	0.57	0.46	0.62	0.45			
DISCHARGE TEMP.		°C		67	70	75	75	80	75	80	75			
CONDENSING TEMP.		°C		44.8	53.5	49.6	53.0	52.7	50.2	53.3	46.2			
SUCTION TEMP.		°C		4.2	4.2	5.6	2.0	8.0	0.4	11.4	1.0			
INDOOR AIR FLOW TEMP		°C		11.7	45.1	12.1	44.7	13.0	42.1	14.3	38.1			
REFRANCE PIPE LENGTH		m		7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5			
COMPRESSOR		rps	30	35	55	60	70	75	70	75				
CONDITION	ENTERING AIR TEMP	I. U.	°C		Cooling : DB 27 WB 19 / Heating : DB 20 WB 15									
		O. U.	°C		Cooling : DB 35 WB 24 / Heating : DB 7 WB 6									
PIPING	REFRIGERANT CHARGE	g			R407C 3000q									
	PIPE O. D. SIZE	LIQUID	mm	6.35										
		GAS	mm	9.52										
	CONNECTION METHOD			FLARE										
	MAX ALLOWABLE LENGTH/HIGHT			20m(1unit), 40m(TOTAL)/15m										
CAERGE LESS			MAX 60m(TOTAL) (40g/m)											
LOW AMBIENT OPERATION			COOLING			0 TO 43								
			HEATING			-10 TO 21								

2-1.SPECIFICATIONS for INVERTER MODEL

MODEL NO.			I. U.	HEAT PUMP INVERTER										
			O. U.	ASY12QMACW		ASY12QMACW×2		ASY12QMACW×3		ASY12QMACW×4				
VOLTS/PHASE/CYCLE V/φ/Hz			AOY30QMAM4											
OPERATION			230/~/50											
			RATING	MAXIMAM	RATING	MAXIMAM	RATING	MAXIMAM	RATING	MAXIMAM				
COOLING PAFORMANCE	CAPACITY	W	3500	3500	6600	7000	7500	8700	8000	9500				
		BTU/h	12000	12000	22400	23900	25500	29700	27200	32400				
	CURRENT	A	5.7	5.7	10.4	12.6	10.9	15.7	11.6	16.1				
	INPUT	W	1300	1300	2400	2900	2510	3620	2670	3700				
	EER	W/W	2.69	-	2.75	-	2.99	-	3.00	-				
HEATING PAFORMANCE	FREQUENCY	rps	35	-	70	-	70	-	70	-				
	CAPACITY	W	4000	4000	8000	8000	9150	10300	9300	11200				
		BTU/h	13600	13600	27200	27200	31200	35200	32000	38200				
	CURRENT	A	7.3	7.3	13.0	13.0	12.0	16.1	11.4	16.1				
	INPUT	W	1680	1680	3000	3000	2760	3700	2620	3700				
	EER	W/W	2.38	-	2.66	-	3.32	-	3.55	-				
	FREQUENCY	rps	42	-	75	-	75	-	75	-				
MOISTURE REMOVAL		l/h	1.6		3.2		2.5		1.5					
STARTING CURRENT		A	10		10		10		10					
INDOOR UNIT	FAN SPEED (COOL/HEAT)	Hi	rpm	1330										
		Med	rpm	1240										
		Lo	rpm	1150										
		Quiet	rpm	1050										
	AIR CIRCULATOION	Hi	M³/h	500										
		Med	M³/h	465										
		Lo	M³/h	435										
		Quiet	M³/h	370										
	NOISE	High	dB(A)	39										
		Med	dB(A)	37										
		Low	dB(A)	35										
		Quiet	dB(A)	33										
	HEAT EXCHANGER	TYPE	Plate fin coil											
		FACE AREA	m²	0.159										
	FIN/Inch.			19.5										
	FAN TYPE * Qty.			Cross flow fan										
	FAN MOTER OUTPUT			W	16.5									
	DIMENSIONS H ×W ×D (mm)	NET	I. U.	260×815×175										
			-											
	GROSS	I. U.	302×866×248											
		-												
WEIGHT (Kg)	NET/ GROSS	I. U.	8/10											
		-												
OPERATION CONTROL			Wireless											
INDOOR UNIT TYPE			Mighty Compact MII											
OUTDOOR UNIT	FAN SPEED	Hi	rpm			780								
		Lo	rpm			430								
	AIR CIRCULATOION	Hi	M³/h			3200								
		Lo	M³/h			1800								
	NOISE COOL/HEAT	Hi	dB(A)			52/53								
		Lo	dB(A)			48/48								
	HEAT EXCHANGER	TYPE			Plate fin coil									
		FACE AREA	m²			0.726								
	FIN/Inch.					14.1								
	FAN TYPE * Qty.					Propeller fan * 1								
	FAN MOTER OUTPUT			W	60									
	COMPRESSOR	TYPE			DC TWIN ROTARY(INVERTER)×1									
			CAPACITY/OUTPUT kW			7.08/1.3(60rps)								
DIMENSIONS H ×W ×D (mm)	NET			900×900×350										
		GROSS			1045×1025×445									
WEIGHT (Kg)	NET/ GROSS			85/97										
REFRIGE- RANT CIRCUIT	OPERATION MODE		COOLING	HEATING	COOLING	HEATING	COOLING	HEATING	COOLING	HEATING				
	DISCHARGE PRESSURE	Mpa	1.8	2.2	2.11	2.2	2.17	1.9	2.19	1.7				
	SUCTION PRESSURE	Mpa	0.55	0.52	0.53	0.47	0.61	0.45	0.65	0.45				
	DISCHARGE TEMP.	℃	67	70	85	80	80	75	80	75				
	CONDENSING TEMP.	℃	45.9	53.9	52.1	54.0	53.3	47.8	53.6	43.5				
	SUCTION TEMP.	℃	5.2	3.8	9.7	0.8	10.5	0	0.65	4.0				
	INDOOR AIR FLOW TEMP	℃	11.2	45.0	11.2	45.7	13.5	40.0	14.9	36.0				
	REFRANCE PIPE LENGTH	m	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5				
COMPRESSOR		rps	35	42	70	75	70	75	70	75				
CONDITION	ENTERING AIR TEMP	I. U.			Cooling : DB 27 WB 19 / Heating : DB 20 WB 15									
		O. U.			Cooling : DB 35 WB 24 / Heating : DB 7 WB 6									
PIPING	REFRIGERANT CHARGE	g			R407C 3000q									
	PIPE O.D. SIZE	LIQUID	mm	6.35										
		GAS	mm	12.7										
	CONNECTION METHOD				FLARE									
	MAX ALLOWABLE LENGTH/HIGHT				20m(1unit),40m(TOTAL)/15m									
CAERGE LESS				MAX 60m(TOTAL) (40q/m)										
LOW AMBIENT OPERATION		COOLING			0 TO 43									
		HEATING			-10 TO 21									

2-1.SPECIFICATIONS for INVERTER MODEL

MODEL NO.			I. U.	HEAT PUMP INVERTER						
			O. U.	ASY18QMA-W	ASY18QMA-W+ASY9QMACW	ASY18QMA-W+ASY9QMACW×2	ASY18QMA-W+ASY9QMACW×3			
VOLTS/PHASE/CYCLE V/φ/Hz			AOY30QMAM4							
OPERATION			230/~/50							
			RATING	MAXIMAM	RATING	MAXIMAM	RATING	MAXIMAM	RATING	MAXIMAM
COOLING PAFORMANCE	CAPACITY	W	5200	5200	7000	7900	7500	8800	8000	9400
		BTU/h	17800	17800	23900	27000	25600	30000	27200	32100
	CURRENT	A	9.1	9.1	10.6	14.9	11.0	15.6	11.7	15.9
	INPUT	W	2100	2100	2450	3420	2540	3590	2700	3660
	EER	W/W	2.48	-	2.86	-	2.95	-	2.96	-
HEATING PAFORMANCE	FREQUENCY	rps	55	-	70	-	70	-	70	-
	CAPACITY	W	6200	6200	8600	9200	9100	10900	9300	11200
		BTU/h	21200	21200	29400	31400	31100	37200	31800	38900
	CURRENT	A	10.7	10.7	11.8	14.1	11.5	16.0	11.1	15.7
	INPUT	W	2460	2460	2720	3240	2650	3680	2550	3600
INDOOR UNIT	EER	W/W	2.52	-	3.16	-	3.43	-	3.67	-
	FREQUENCY	rps	60	-	75	-	75	-	75	-
	MOISTURE REMOVAL		I/h	2.2		2.5		2.0		1.2
	STARTING CURRENT		A	10		10		10		10
	FAN SPEED (COOL/HEAT)	Hi	rpm	1050/1050		1250/1250				
Med		rpm	900/900		1150/1150					
Lo		rpm	800/800		1070/1070					
Quiet		rpm	750/750		1000/1000					
AIR CIRCULATOION		Hi	M³/h	840		440				
	Med	M³/h	700		405					
	Lo	M³/h	620		375					
	Quiet	M³/h	570		350					
	NOISE (COOL/HEAT)	High	dB(A)	43/42		38/38				
Med		dB(A)	39/39		36/36					
Low		dB(A)	36/36		34/34					
Quiet		dB(A)	33/33		32/32					
HEAT EXCHANGER		TYPE		Plate fin coil		Plate fin coil				
	FACE AREA	m²	0.287		0.159					
	FIN/Inch.		21.1		19.5					
	FAN TYPE * Qty.		Cross flow fan		Cross flow fan					
	FAN MOTER OUTPUT		W	16.5		16.5				
DIMENSIONS H ×W ×D (mm)	NET	I. U.	320×1120×220		260×815×175					
		-								
		I. U.	348×1240×427		302×866×248					
	GROSS	-								
		I. U.	16/22		8/10					
WEIGHT (Kg)	NET/ GROSS	-								
		I. U.								
	OPERATION CONTROL		Wireless		Wireless					
	INDOOR UNIT TYPE		New Compact Large Wall		Mighty Compact MII					
	OUTDOOR UNIT	FAN SPEED	Hi	rpm	780					
Lo			rpm	430						
AIR CIRCULATOION		Hi	M³/h	3200						
		Lo	M³/h	1800						
NOISE COOL/HEAT		Hi	dB(A)	52/53						
	Lo	dB(A)	48/48							
HEAT EXCHANGER	TYPE		Plate fin coil							
	FACE AREA	m²	0.726							
	FIN/Inch.		14.1							
	FAN TYPE * Qty.		Propeller fan * 1							
	FAN MOTER OUTPUT		W	60						
COMPRESSOR	TYPE	DC TWIN ROTARY(INVERTER)×1								
		CAPACITY/OUTPUT kW	7.08/1.3(60rps)							
	DIMENSTONS H ×W ×D (mm)	NET	900×900×350							
		GROSS	1045×1025×445							
	WEIGHT (Kg)	NET/ GROSS	85/97							
REFRIGE-RANT CIRCUIT	OPERATION MODE		COOLING	HEATING	COOLING	HEATING	COOLING	HEATING	COOLING	HEATING
	DISCHARGE PRESSURE	Mpa	1.98	2.07	2.14	1.94	2.17	1.73	2.19	1.6
	SUCTION PRESSURE	Mpa	0.54	0.49	0.57	0.46	0.62	0.45	0.65	0.45
	DISCHARGE TEMP.	°C	75	75	80	75	80	75	80	75
	CONDENSING TEMP.	°C	49.6	51.3	52.7	48.5	53.3	44.2	53.5	41.0
	SUCTION TEMP.	°C	5.5	2.0	7.9	0.2	11.2	3.2	13.6	6.8
	INDOOR AIR FLOW TEMP	°C	12.1	44	13.0	41.6	14.3	37.7	15.3	35.0
	REFRANCE PIPE LENGTH	m	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	COMPRESSOR	rps	55	60	70	75	70	75	70	75
CONDITION	ENTERING AIR TEMP	I. U.	Cooling : DB 27 WB 19 / Heating : DB 20 WB 15							
	O. U.	°C	Cooling : DB 35 WB 24 / Heating : DB 7 WB 6							
PIPING	REFRIGERANT CHARGE		R407C 3000g							
	PIPE O. D. SIZE	LIQUID	mm	6.35		6.35				
		GAS	mm	12.7		9.52				
	CONNECTION METHOD		FLARE							
	MAX ALLOWABLE LENGTH/HIGHT		20m(1unit), 40m(TOTAL) /15m							
CAERGE LESS		MAX 60m(TOTAL) (40g/m)								
LOW AMBIENT OPERATION		COOLING	0 TO 43							
		HEATING	-10 TO 21							

2-1.SPECIFICATIONS for INVERTER MODEL

MODEL NO.			I. U.		ASY24QMA-W		HEAT PUMP INVERTER		ASY24QMA-W+ASY9QMACW		ASY24QMA-W+ASY9QMACW×2				
VOLTS/PHASE/CYCLE V/φ/Hz			O. U.		AOY30QMAM4										
OPERATION					230/~/50										
			RATING		MAXIMAM		RATING		MAXIMAM		RATING		MAXIMAM		
COOLING PAFORMANCE	CAPACITY	W	6900		6900		7250		8300		7800		9000		
		BTU/h	23600		23600		24700		28300		26500		30700		
	CURRENT	A	12.9		12.9		10.6		15.2		11.0		15.5		
	INPUT	W	2960		2960		2440		3490		2520		3570		
	EER	W/W	2.33		-		2.95		-		3.10		-		
HEATING PAFORMANCE	FREQUENCY	rps	70		-		70		-		70		-		
		W	8200		8200		8750		10200		9600		11200		
	CAPACITY	BTU/h	28000		28000		29800		34800		32800		38900		
	CURRENT	A	13.9		13.9		11.1		15.0		11.6		15.6		
	INPUT	W	3200		3200		2560		3450		2680		3600		
EER	W/W	2.56		-		3.40		-		3.58		-			
	FREQUENCY	rps	75		-		75		-		75		-		
MOISTURE REMOVAL			I/h		3.2		2.8				2.5				
STARTING CURRENT			A		10		10				10				
INDOOR UNIT	FAN SPEED (COOL/HEAT)	Hi	rpm	1320/1320		1250/1250									
		Med	rpm	1120/1120		1150/1150									
		Lo	rpm	900/900		1070/1070									
		Quiet	rpm	750/750		1000/1000									
	AIR CIRCULATION	Hi	M³/h	1030		440									
		Med	M³/h	840		405									
		Lo	M³/h	640		375									
		Quiet	M³/h	540		350									
	NOISE	High	dB(A)	46/45		38/38									
		Med	dB(A)	41/41		36/36									
		Low	dB(A)	37/37		34/34									
		Quiet	dB(A)	33/33		32/32									
	HEAT EXCHANGER	TYPE	Plate fin coil		Plate fin coil										
		FACE AREA	m²	0.287		0.159									
		FIN/Inch.	19.5		19.5										
	FAN TYPE * Qty.			Cross flow fan		Cross flow fan									
	FAN MOTER OUTPUT			W		16.5		16.5							
	DIMENSIONS H ×W ×D (mm)	NET	I. U.	320×1120×220		260×815×175									
			-	348×1240×427		302×866×248									
	GROSS	I. U.													
		-													
	WEIGHT (Kg)	NET/ GROSS	I. U.	16/22		8/10									
			-												
	OPERATION CONTROL			Wireless		Wireless									
	INDOOR UNIT TYPE			New Compact Large Wall		Mighty Compact MII									
OUTDOOR UNIT	FAN SPEED	Hi	rpm	780											
		Lo	rpm	430											
	AIR CIRCULATION	Hi	M³/h	3200											
		Lo	M³/h	1800											
	NOISE COOL/HEAT	Hi	dB(A)	52/53											
		Lo	dB(A)	48/48											
	HEAT EXCHANGER	TYPE	Plate fin coil		Plate fin coil										
		FACE AREA	m²	0.726		0.726									
		FIN/Inch.	14.1		14.1										
	FAN TYPE * Qty.			Propeller fan * 1		Propeller fan * 1									
	FAN MOTER OUTPUT			W		60									
	COMPRESSOR	TYPE	DC TWIN ROTARY (INVERTER) ×1		DC TWIN ROTARY (INVERTER) ×1										
		CAPACITY/OUTPUT kW	7.08/1.3 (60rps)		7.08/1.3 (60rps)										
DIMENSIONS H ×W ×D (mm)	NET	900×900×350		900×900×350											
	GROSS	1045×1025×445		1045×1025×445											
WEIGHT (Kg)	NET/ GROSS	85/97		85/97											
REFRIGE-RANT CIRCUIT	OPERATION MODE		COOLING	HEATING	COOLING	HEATING	COOLING	HEATING	COOLING	HEATING	COOLING	HEATING			
	DISCHARGE PRESSURE	Mpa	2.12	2.12	2.16	1.85	2.18	1.68	2.18	1.68	2.18	1.68			
	SUCTION PRESSURE	Mpa	0.54	0.47	0.6	0.46	0.63	0.45	0.63	0.45	0.63	0.45			
	DISCHARGE TEMP.	°C	85	80	80	75	80	75	80	75	80	75			
	CONDENSING TEMP.	°C	52.3	52.3	53.0	46.9	53.4	43.0	53.4	43.0	53.4	43.0			
	SUCTION TEMP.	°C	10.0	0.5	10.0	0.4	12.5	4.6	12.5	4.6	12.5	4.6			
	INDOOR AIR FLOW TEMP	°C	12.0	44.8	13.7	40.0	15.0	36.2	15.0	36.2	15.0	36.2			
	REFRANCE PIPE LENGTH	m	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5			
COMPRESSOR	rps	70	75	70	75	70	75	70	75	70	75				
CONDITION	ENTERING AIR TEMP	I. U.	°C		Cooling : DB 27 WB 19 / Heating : DB 20 WB 15										
	O. U.	°C		Cooling : DB 35 WB 24 / Heating : DB 7 WB 6											
PIPING	REFRIGERANT CHARGE		g		R407C 3000g										
	PIPE O. D. SIZE	L IQUID	mm	9.52	6.35	9.52									
		GAS	mm	15.8	9.52										
	CONNECTION METHOD		FLARE		FLARE										
	MAX ALLOWABLE LENGTH/HIGHT CAERGE LESS		20m(1unit), 40m(TOTAL) /15m MAX 60m(TOTAL) (40g/m)		20m(1unit), 40m(TOTAL) /15m MAX 60m(TOTAL) (40g/m)										
LOW AMBIENT OPERATION			COOLING	0 TO 43											
			HEATING	-10 TO 21											

2-2 CAPACITY TABLE

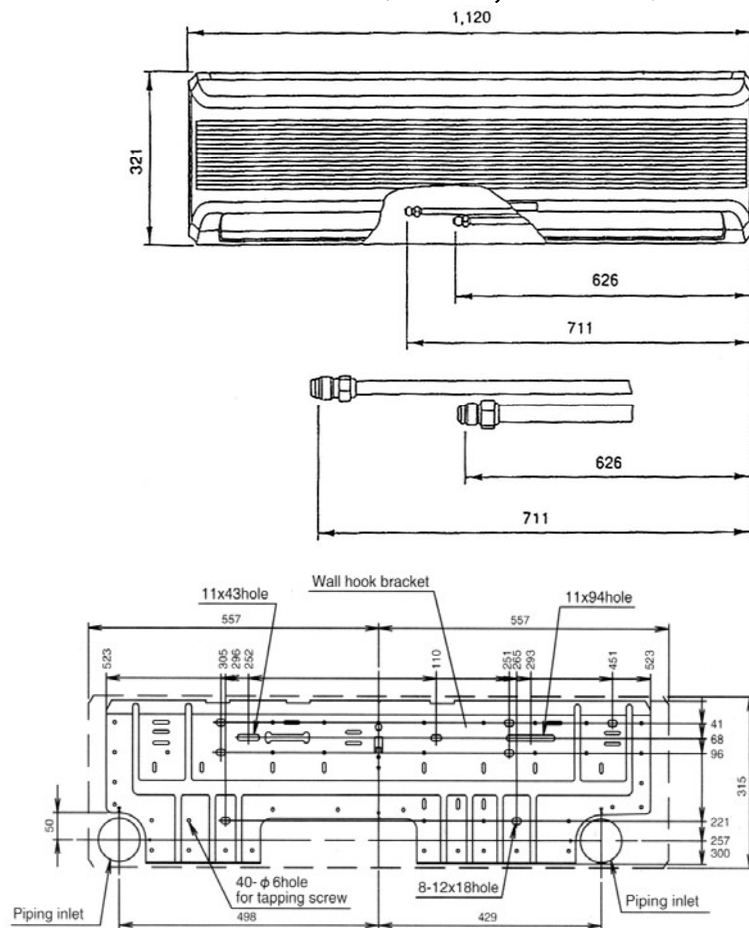
AOY30QMAM4		Indoor Unit				Unit each capacity (kW)				Capacity (kW)			Current (A)			Input(kW)		
		1	2	3	4	1	2	3	4	Min	Rated	Max	Min	Rated	Max	Min	Rated	Max
COOLING MODE	For all Systems in reduced operations	9	-	-	-	2.70	-	-	-	1.8	2.7	2.7	3.0	5.2	5.2	0.68	1.20	1.20
		12	-	-	-	3.50	-	-	-	1.9	3.5	3.5	3.0	5.7	5.7	0.68	1.30	1.30
		18	-	-	-	5.20	-	-	-	2.8	5.2	5.2	4.1	9.1	9.1	0.95	2.10	2.10
		24	-	-	-	6.90	-	-	-	3.3	6.9	6.9	4.7	12.9	12.9	1.08	2.96	2.96
	Also System-4 or System-3 in reduced operations	9	9	-	-	2.70	2.70	-	-	2.9	5.4	5.4	4.2	9.1	9.1	0.96	2.10	2.10
		9	12	-	-	2.70	3.50	-	-	3.0	6.2	6.2	4.2	10.2	10.2	0.96	2.35	2.35
		9	18	-	-	2.40	4.60	-	-	3.5	7.0	7.9	4.9	10.6	14.9	1.12	2.45	3.42
		9	24	-	-	2.20	5.05	-	-	4.4	7.2	8.3	6.2	10.6	15.2	1.42	2.44	3.49
		12	12	-	-	3.30	3.30	-	-	3.4	6.6	7.0	4.8	10.4	12.6	1.10	2.40	2.90
		12	18	-	-	2.80	4.35	-	-	4.3	7.2	8.2	6.3	10.7	15.3	1.45	2.46	3.51
		12	24	-	-	2.60	4.80	-	-	5.2	7.4	8.6	7.9	10.6	15.3	1.82	2.44	3.51
	SYSTEM3 Also System-4 in reduced operations	9	9	9	-	2.35	2.35	2.35	-	3.3	7.1	7.9	4.6	10.8	15.2	1.05	2.50	3.49
		9	9	12	-	2.25	2.25	2.75	-	4.1	7.3	8.3	5.9	10.9	15.5	1.35	2.51	3.57
		9	9	18	-	1.90	1.90	3.70	-	5.0	7.5	8.8	7.5	11.0	15.6	1.73	2.54	3.59
		9	9	24	-	1.80	1.80	4.20	-	5.4	7.8	9.0	8.3	11.0	15.5	1.91	2.52	3.57
		9	12	12	-	2.15	2.65	2.65	-	4.2	7.5	8.5	5.9	10.9	15.6	1.35	2.51	3.60
		9	12	18	-	1.80	2.20	3.60	-	5.0	7.6	9.0	7.5	11.1	15.7	1.73	2.54	3.60
		9	12	24	-	1.75	2.15	4.00	-	5.5	7.9	9.2	8.3	11.0	15.6	1.91	2.52	3.58
		12	12	12	-	2.50	2.50	2.50	-	4.2	7.5	8.7	5.9	10.9	15.7	1.35	2.51	3.62
		12	12	18	-	2.10	2.10	3.45	-	5.1	7.7	9.1	7.5	11.1	15.7	1.73	2.54	3.61
		12	12	24	-	2.05	2.05	3.80	-	5.5	7.9	9.3	8.3	11.0	15.6	1.91	2.52	3.59
	SYSTEM4	9	9	9	9	1.95	1.95	1.95	1.95	4.7	7.8	9.0	7.0	11.6	15.9	1.60	2.67	3.67
		9	9	9	12	1.85	1.85	1.85	2.25	4.7	7.8	9.1	7.0	11.6	16.0	1.60	2.67	3.68
		9	9	9	18	1.65	1.65	1.65	3.05	5.2	8.0	9.4	7.8	11.7	15.9	1.79	2.70	3.65
		9	9	12	12	1.75	1.75	2.15	2.15	4.8	7.8	9.3	7.0	11.6	16.1	1.60	2.68	3.69
		9	9	12	18	1.55	1.55	1.90	3.00	5.2	8.0	9.5	7.8	11.7	15.9	1.79	2.70	3.66
		9	12	12	12	1.70	2.05	2.05	2.05	5.1	7.9	9.4	7.7	11.6	16.1	1.77	2.67	3.70
		12	12	12	12	2.00	2.00	2.00	2.00	5.2	8.0	9.5	7.7	11.6	16.1	1.77	2.67	3.70

AOY30QMAM4		INDOOR UNIT				Unit each capacity (kW)				Capacity (kW)			Current (A)			Input(kW)		
		1	2	3	4	1	2	3	4	Min	Rated	Max	Min	Rated	Max	Min	Rated	Max
HEATING MODE	For all Systems in reduced operations	9	-	-	-	3.30	-	-	-	2.0	3.3	3.3	3.3	5.6	5.6	0.77	1.28	1.28
		12	-	-	-	4.00	-	-	-	2.0	4.0	4.0	3.2	7.3	7.3	0.74	1.68	1.68
		18	-	-	-	6.20	-	-	-	3.3	6.2	6.2	4.4	10.7	10.7	1.01	2.46	2.46
		24	-	-	-	8.20	-	-	-	3.8	8.2	8.2	5.0	13.9	13.9	1.16	3.20	3.20
	System-4 or System-3 in reduced operations	9	9	-	-	3.30	3.30	-	-	3.1	6.6	6.6	4.0	10.0	10.0	0.92	2.30	2.30
		9	12	-	-	3.30	4.00	-	-	3.1	7.3	7.3	3.8	12.1	12.1	0.86	2.78	2.78
		9	18	-	-	2.89	5.70	-	-	3.7	8.6	9.2	4.3	11.8	14.1	0.98	2.72	3.24
		9	24	-	-	2.50	6.25	-	-	4.2	8.8	10.2	5.0	11.1	15.0	1.15	2.56	3.45
		12	12	-	-	4.00	4.00	-	-	3.6	8.0	8.0	4.7	13.0	13.0	1.08	3.00	3.00
		12	18	-	-	3.15	5.55	-	-	4.3	8.7	9.7	5.2	11.7	15.3	1.20	2.68	3.51
		12	24	-	-	2.70	6.05	-	-	4.9	8.8	10.3	6.1	11.0	15.1	1.41	2.53	3.47
	SYSTEM3	9	9	9	X	2.95	2.95	2.95	X	3.8	8.9	9.6	5.0	13.1	16.0	1.14	3.02	3.69
		9	9	12	X	2.85	2.85	3.15	X	4.4	8.9	9.7	6.0	12.9	16.0	1.38	2.98	3.69
		9	9	18	X	2.40	2.40	4.75	X	5.3	9.6	11.0	6.7	12.6	16.0	1.54	2.89	3.69
		9	9	24	X	2.15	2.15	5.30	X	5.4	9.6	11.2	6.3	11.8	15.9	1.44	2.72	3.66
		9	12	12	X	2.80	3.15	3.15	X	4.4	9.1	9.9	5.9	13.7	16.0	1.37	3.15	3.69
		9	12	18	X	2.35	2.65	4.60	X	5.0	9.6	11.2	6.0	12.5	16.1	1.38	2.86	3.70
		9	12	24	X	2.10	2.30	5.20	X	5.4	9.6	11.5	6.2	11.7	15.8	1.43	2.70	3.63
		12	12	12	X	3.05	3.05	3.05	X	4.5	9.2	10.1	5.9	13.5	16.0	1.35	3.10	3.69
		12	12	18	X	2.50	2.50	4.50	X	5.0	9.5	11.2	5.9	12.3	15.9	1.37	2.84	3.66
		12	12	24	X	2.26	2.26	5.08	X	5.4	9.6	11.2	6.1	11.6	15.6	1.41	2.68	3.60
	System-4 in reduced operations	9	9	9	-	2.95	2.95	2.95	-	3.9	8.9	9.4	4.6	12.5	15.2	1.05	2.89	3.50
		9	9	12	-	2.85	2.85	3.20	-	4.5	8.9	9.7	5.4	12.4	16.0	1.25	2.84	3.67
		9	9	18	-	2.30	2.30	4.50	-	5.3	9.1	10.9	6.2	11.5	16.0	1.43	2.65	3.68
		9	12	12	-	2.80	3.10	3.10	-	4.5	9.0	10.2	5.3	12.2	16.1	1.23	2.80	3.70
		9	12	18	-	2.25	2.45	4.50	-	5.2	9.2	11.0	6.2	11.4	16.1	1.42	2.63	3.70
		12	12	12	-	3.05	3.05	3.05	-	4.6	9.2	10.3	5.3	12.0	16.1	1.22	2.76	3.70
	SYSTEM4	9	9	9	9	2.30	2.30	2.30	2.30	5.5	9.2	10.9	6.5	11.8	16.0	1.49	2.72	3.69
		9	9	9	12	2.25	2.25	2.25	2.50	5.5	9.3	11.0	6.4	11.7	16.1	1.47	2.69	3.70
		9	9	9	18	1.85	1.85	1.85	3.75	6.2	9.3	11.2	7.4	11.1	15.7	1.69	2.55	3.60
		9	9	12	12	2.20	2.20	2.45	2.45	5.5	9.3	11.1	6.3	11.6	16.2	1.46	2.67	3.72
		9	9	12	18	1.80	1.80	2.05	3.65	6.2	9.3	11.2	7.3	11.0	15.5	1.68	2.53	3.57
		9	12	12	12	2.10	2.40	2.40	2.40	6.3	9.3	11.1	7.7	11.5	16.0	1.77	2.64	3.69
		12	12	12	12	2.33	2.33	2.33	2.33	6.3	9.3	11.2	7.6	11.4	16.1	1.75	2.62	3.70

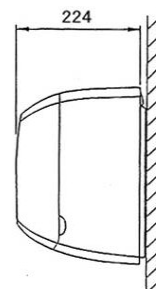
3. DIMENSIONS

INDOOR UNIT

MODEL NAME: ASY18QMA-W, ASY24QMA-W



Unit : mm



ASY18QMA-W

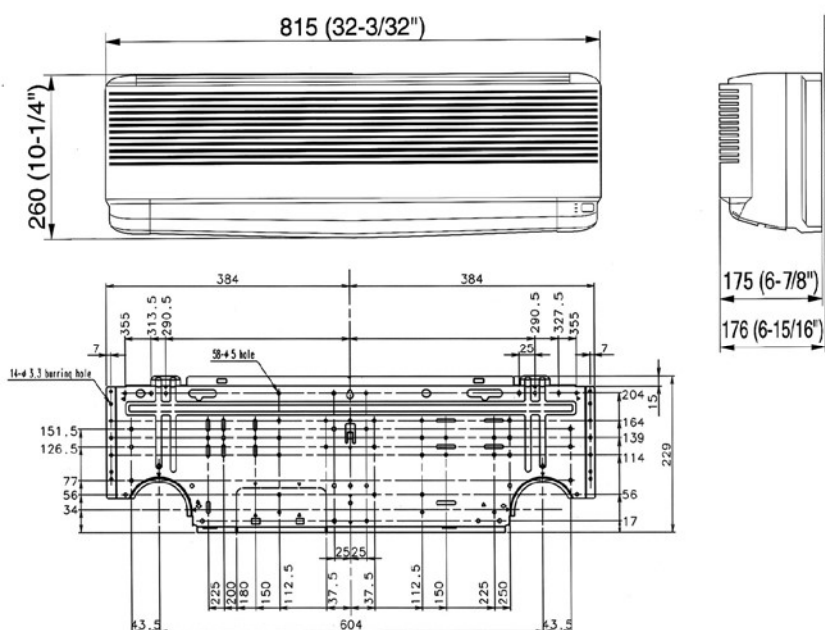
Connecting Pipe	Gas	1/2(φ12.7)
	Liquid	1/4(φ6.35)
Drain Pipe	5/8(φ16)	

ASY24QMA-W

Connecting Pipe	Gas	5/8(φ15.88)
	Liquid	3/8(φ9.52)
Drain Pipe	5/8(φ16)	

MODEL NAME: ASY9QMACW, ASY12QMACW

Unit : mm (inch)



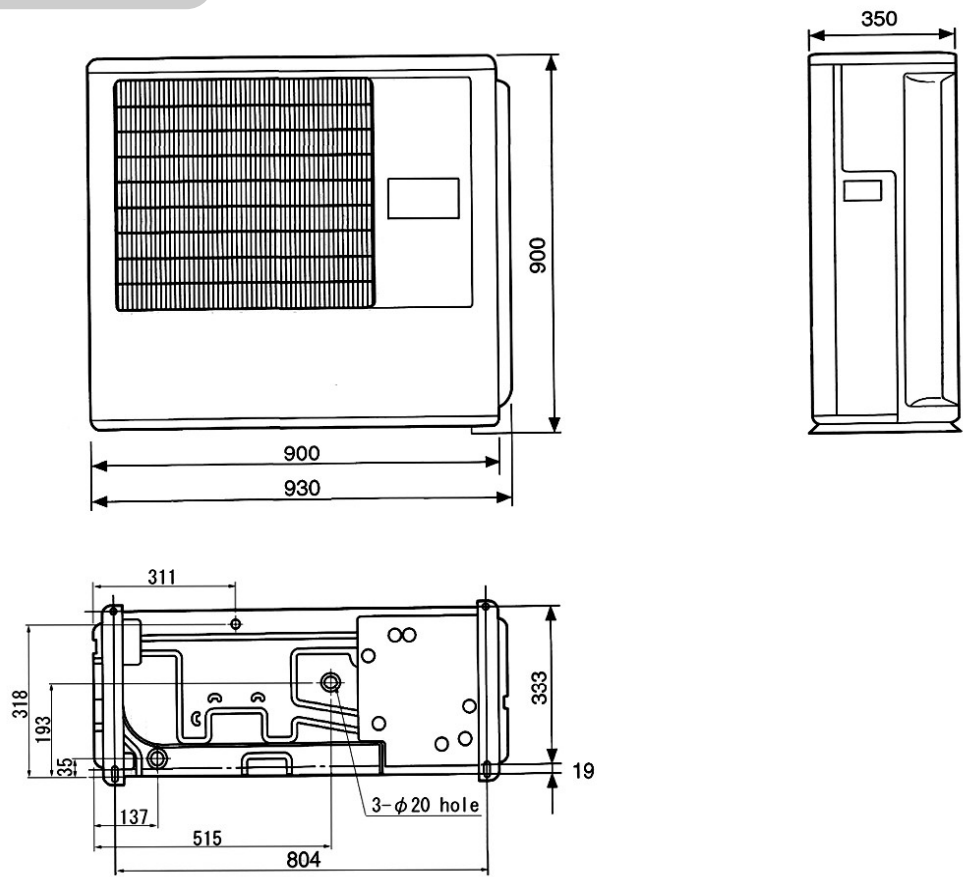
ASY9 QMACW

Connecting Pipe	Gas	3/8(φ9.52)
	Liquid	1/4(φ6.35)
Drain Pipe	5/8(φ16)	

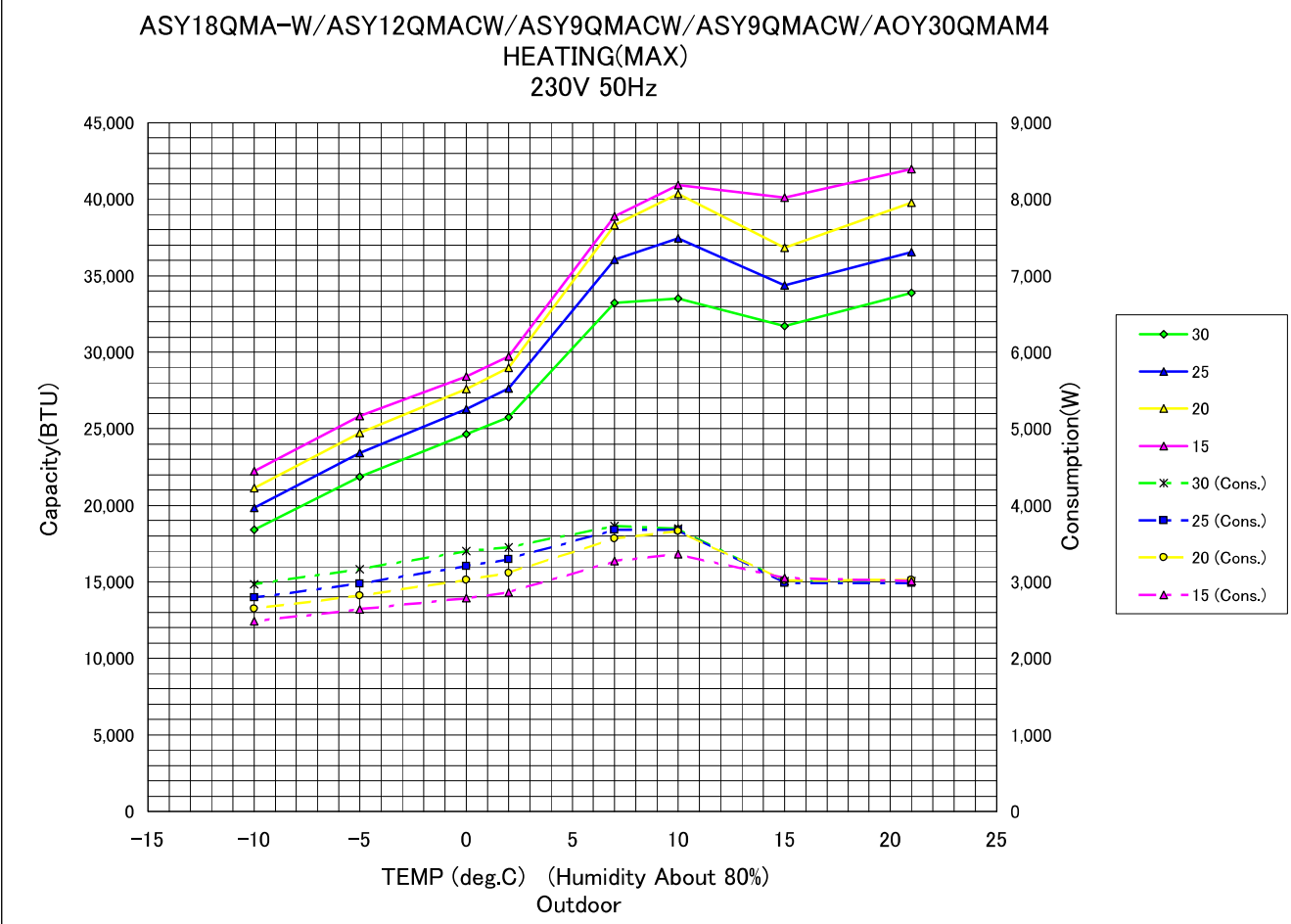
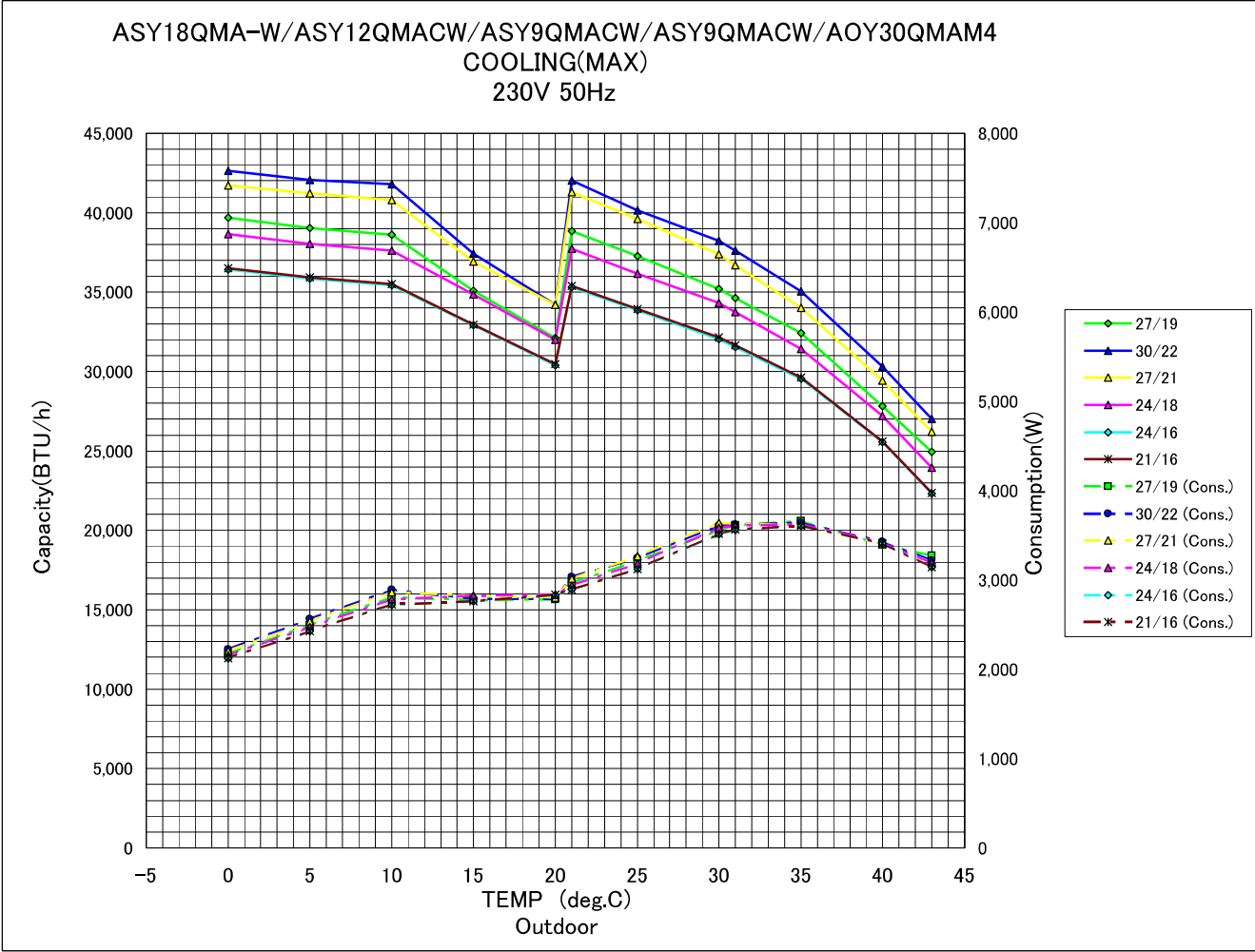
ASY12QMACW

Connecting Pipe	Gas	1/2(φ12.7)
	Liquid	1/4(φ6.35)
Drain Pipe	5/8(φ16)	

OUTDOOR UNIT



4-1 PAFORMANCE CURVE



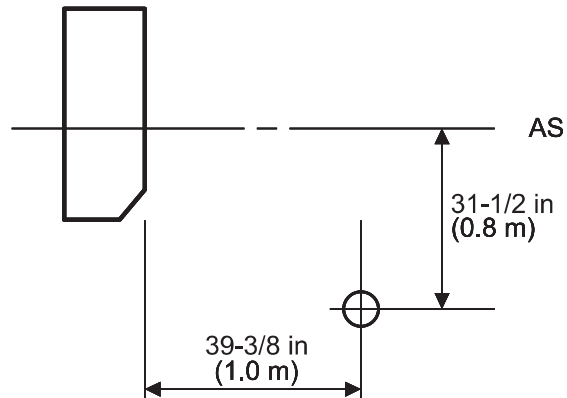
4.2 TEMPERATURE RANGE

Model		Temperature Range	
		Indoor Unit	Outdoor Unit
ASY9QMACW ASY12QMACW ASY18QMA-W ASY24QMA-W	COOL DRY	18 to 30°C	0 to 43°C
	HEAT	16 to 30°C	-10 to 21°C

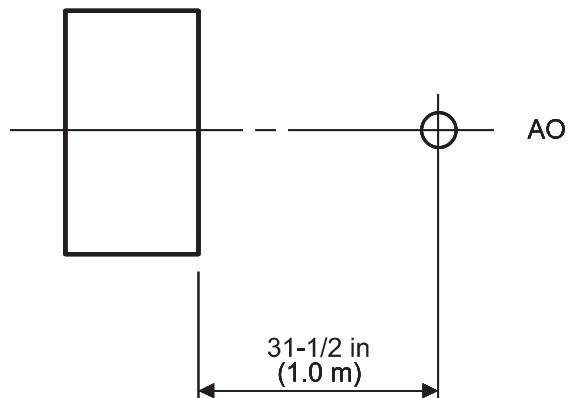
4.3 NOISE LEVEL MEASUREMENT

NOISE LEVEL CHECK POINTS

(1) INDOOR UNIT

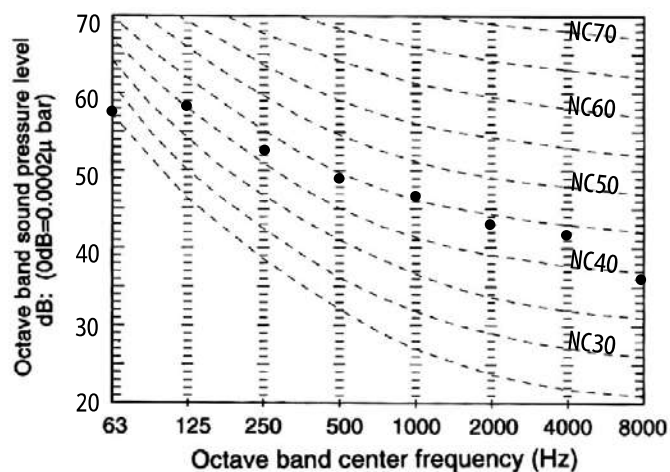


(2) OUTDOOR UNIT

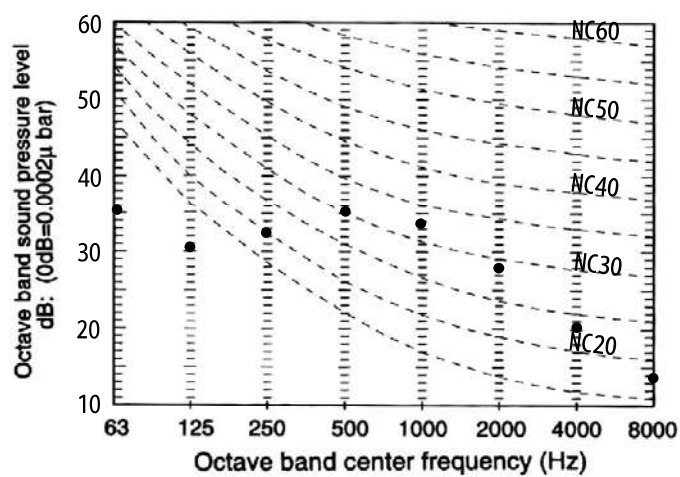


NOISE LEVEL CURVE

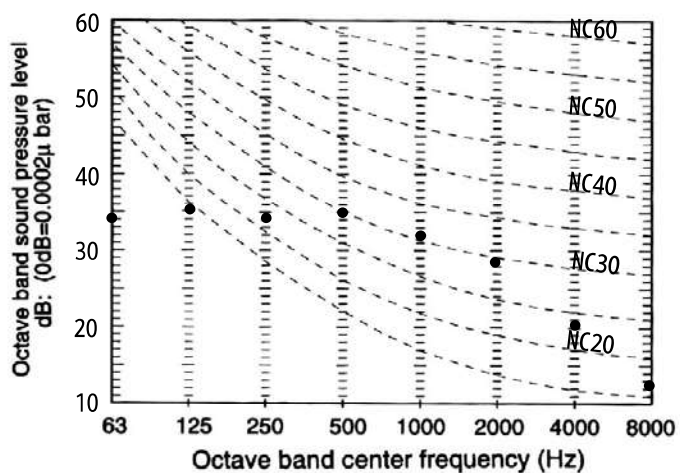
OUTDOOR UNIT
Model:AOY30QMAM4
Mode:Cooling
Fan:Hi
230V/50Hz



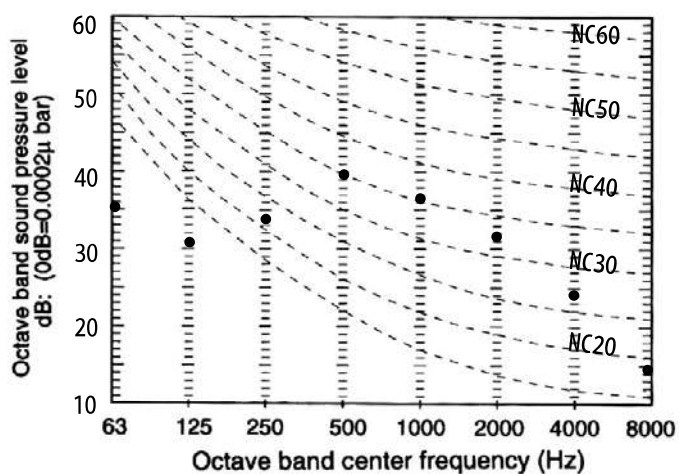
INDOOR UNIT
Model:ASY9QMACW
Mode:Cooling
Fan:Hi
230V/50Hz



INDOOR UNIT
Model:ASY12QMACW
Mode:Cooling
Fan:Hi
230V/50Hz

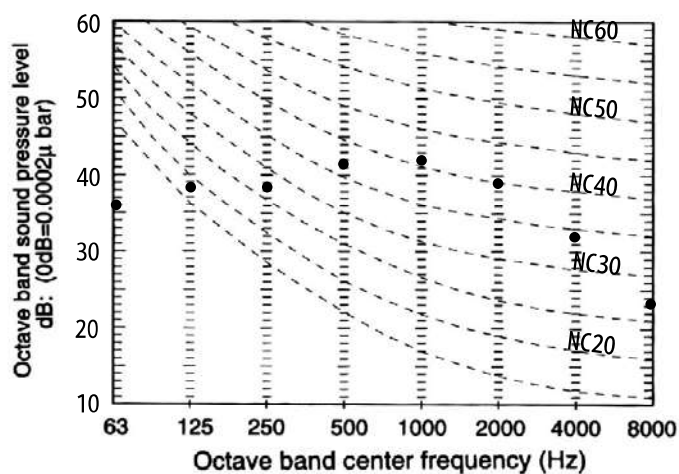


INDOOR UNIT
Model:ASY18QMA-W
Mode:Cooling
Fan:Hi
230V/50Hz

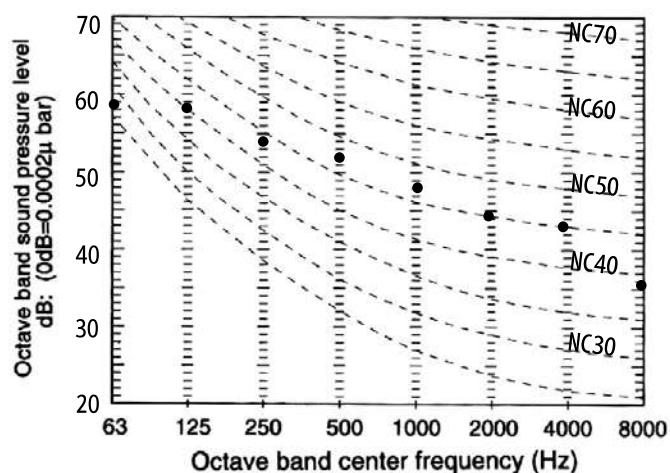


NOISE LEVEL CURVE

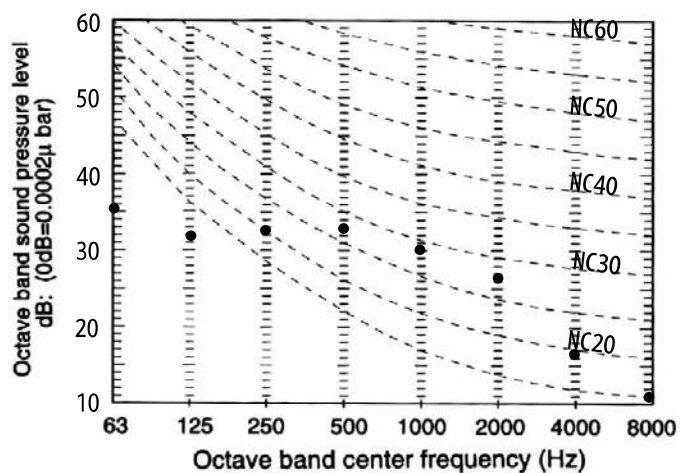
INDOOR UNIT
Model:ASY24QMA-W
Mode:Cooling
Fan:Hi
230V/50Hz



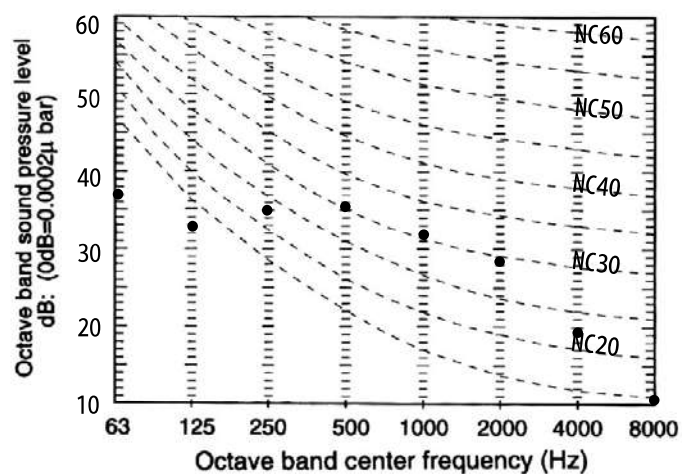
OUTDOOR UNIT
Model:AOY30QMAM4
Mode:Heating
Fan:Hi
230V/50Hz



INDOOR UNIT
Model:ASY9QMACW
Mode:Heating
Fan:Hi
230V/50Hz

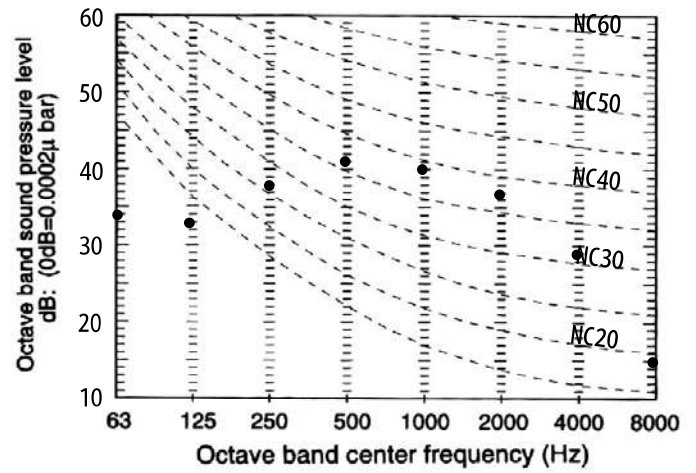


INDOOR UNIT
Model:ASY12QMACW
Mode:Heating
Fan:Hi
230V/50Hz



NOISE LEVEL CURVE

INDOOR UNIT
Model:ASY18QMA-W
Mode:Heating
Fan:Hi
230V/50Hz



INDOOR UNIT
Model:ASY24QMA-W
Mode:Heating
Fan:Hi
230V/50Hz

