

# Multi Split



Control several indoor units with one outdoor unit.  
Build the optimum system you desire.

If you want to keep a large floor as well as many rooms comfortable, we recommend you use Multi Split to build a simple system using one outdoor unit.

Choose from a large lineup the air conditioner types that match your rooms.

You can mix and match them at will.

Build the system that is just right for you.

## Contents

062 2 & 3-4 Rooms

070 Simultaneous Multi

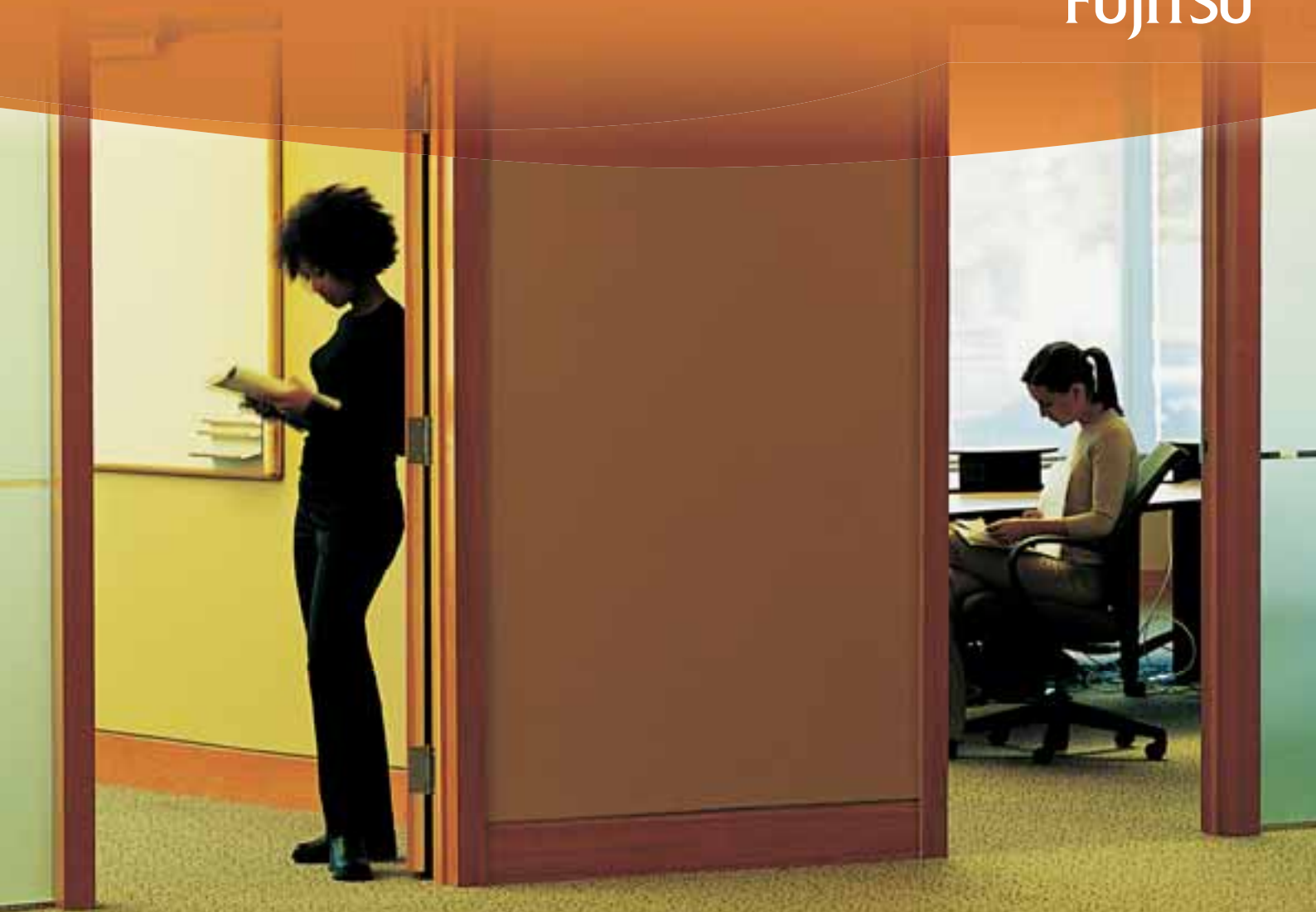
072 Big Multi



2&3-4 Rooms



*Multiple Rooms  
Comfortably*



Multi Split provides comfort in a variety of situations  
from home to office and store.







**Multi Split type Air Conditioners**

FUJITSU GENERAL LIMITED

# INVERTER

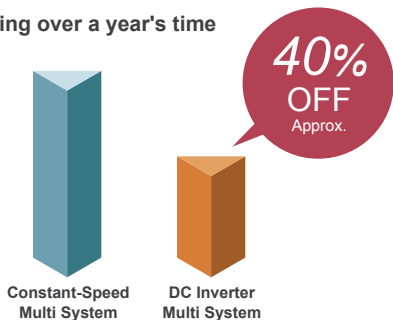
## 2 & 3-4 Rooms Lineup

2 ROOMS	2 ROOMS	3 ROOMS	4 ROOMS
			
CLASS <b>A</b> ALL <b>DC</b>	CLASS <b>A</b>	CLASS <b>A</b> ALL <b>DC</b>	CLASS <b>A</b>
AOYA14LAC2 <b>NEW</b>	AOY18LMAK2 AOY24LMAM2	AOYA18LAT3 AOYA24LAT3	AOY30LMAW4

### Energy saving

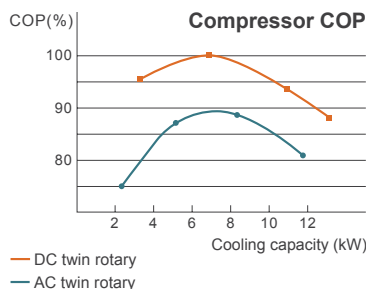
High Efficiency DC Inverter Multi system permits energy saving operation and 40% higher efficiency than a Constant-Speed Multi system. Improved Inverter cooling ratio prevents decrease in capacity under overload operation.

#### Energy saving over a year's time



### DC twin rotary compressor (18~30)

Efficiency is improved over a wide range from high-speed rotation at high load up to the low-speed rotation region at low-load where long-term use is especially frequent, and high power is produced with little power consumption. Also, twin rotor provides low-vibration and quiet operation.



38,000 BTU (at 240V)

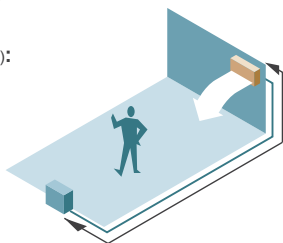
DC twin rotary compressor

### Flexible installation

#### Max.Piping Length (Each Unit):

20m (AOYA14LAC2 / AOY18LMAK2 / 24LMAM2),

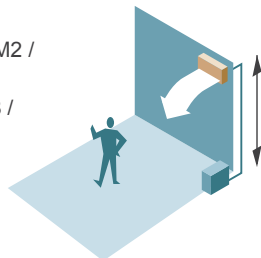
25m (AOYA18 / 24LAT3 / AOY30LMAW4)



#### Max.Height:

10m (AOY18LMAK2 / 24LMAM2 / AOY30LMAW4),

15m (AOYA14LAC2 / AOYA18 / 24LAT3)



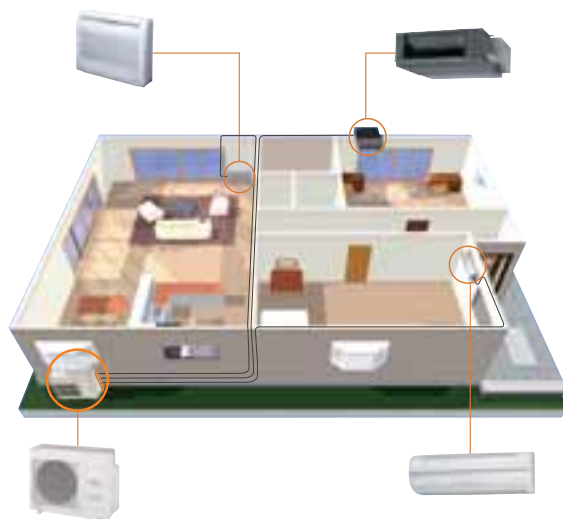
#### Total Piping Length:

30m (AOYA14LAC2 / AOY18LMAK2 / 24LMAM2),

50m (AOYA18 / 24LAT3),

70m (AOY30LMAW4)

### Select any type of air conditioners you like to suit the atmosphere of your room



### Indoor unit features



Model	Up/Down	Double	Adjust	Restart	Auto Changeover	HEAT	Distributing	Fresh	Economy	Sleep	Program	W+S	Ion	AF	Wash	
ASYA07/09/12LB	●		●	●	●	●				●	●	●	○	●	●	●
ASYA07/09/12/14/18LA	●		●	●	●					●	●	●	●	●	●	●
ASY24LB		●	●	●	●					●	●	●	●	●	●	●
AGYF09/12/14LA	●		●	●	●	●				●	●	●	○	●	●	●
AUYF09/12/14/18LA(B)	●		●	●	●		●			●	●	●	○	●	●	●
ABYF14/18/24LB		●	●	●	●					●	●	●	○	●	●	●
ARYF09/12/14/18/22LA(B)			●	●	●		○			●	○	●	●	●	●	●

○: Optional function

### Connectable Indoor unit lineup

Indoor unit	kW	AOYA14LAC2	AOY18LMAK2	AOY24LMAM2	AOYA18LAT3	AOYA24LAT3	AOY30LMAW4
 ASYA07/09/12LB	2.1	●					
	2.5	●					
	3.5	●					
 ASYA07/09/12/14/18LA	2.3		●	●	●	●	●
	2.7		●	●	●	●	●
	3.5		●	●	●	●	●
	4.2		●	●	●	●	●
	5.0			●		●	●
 ASY24LB	6.8						●
 AGYF09/12/14LA	2.7		●	●	●	●	●
	3.5		●	●	●	●	●
	4.2		●	●	●	●	●
 AUYF09/12/14/18LA(B)	2.5		●	●	●	●	●
	3.5		●	●	●	●	●
	4.2		●	●	●	●	●
	5.2			●		●	●
 ABYF14/18/24LB	4.2		●	●	●	●	●
	5.2			●		●	●
	6.8						●
 ARYF09LA	2.7		●	●	●	●	●
 ARYF12/14/18/22LA(B)	3.5		●	●	●	●	●
	4.2		●	●	●	●	●
	5.2			●		●	●
	6.3			●		●	●

# 2 & 3-4 Rooms

## Specifications

### SPECIFICATIONS (WALL MOUNTED TYPE)

Model No.	Indoor unit		ASYA07LA	ASYA09LA	ASYA12LA	ASYA14LA	ASYA18LA	ASYA24LB
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Noise	Cooling	H/M/L/Q	35/32/27/21	38/33/28/22	39/34/28/23	45/38/33/26	45/38/34/28	47/41/36/32
Air Flow (High)			500	550	580	700	660	1020
Net Dimension H x W x D	mm		275x790x215	275x790x215	275x790x215	275x790x215	275x790x215	320x1120x220
Weight	kg(lbs)		9(20)	9(20)	9(20)	9(20)	9(20)	16(35)

### SPECIFICATIONS (WALL MOUNTED TYPE)

Model No.	Indoor unit		ASYA07LB	ASYA09LB	ASYA12LB
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50
Noise	Cooling	H/M/L/Q	38/36/33/21	38/36/33/21	43/38/33/21
Air Flow (High)			620	620	750
Net Dimension H x W x D	mm		260x790x198	260x790x198	260x790x198
Weight	kg(lbs)		7.5(17)	7.5(17)	7.5(17)

### SPECIFICATIONS (FLOOR TYPE, FLOOR/CEILING UNIVERSAL TYPE)

Model No.	Indoor unit		AGYF09LA	AGYF12LA	AGYF14LA	ABYF14LA	ABYF18LB	ABYF24LB
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Noise	Cooling	H/M/L/Q	39/34/28/22	42/36/30/22	44/38/31/22	36/34/33/29(Under ceiling) 39/37/36/32(Floor console)	41/38/34/32(Under ceiling) 44/41/37/35(Floor console)	45/40/36/33(Under ceiling) 48/43/39/36(Floor console)
Air Flow (High)			530	600	650	640	780	880
Net Dimension H x W x D	mm		600x740x200	600x740x200	600x740x200	199x990x655	199x990x655	199x990x655
Weight	kg(lbs)		14(30.7)	14(30.7)	14(30.7)	27(60)	27(60)	27(60)

### SPECIFICATIONS (COMPACT CASSETTE TYPE)

Model No.	Indoor unit		AUYF09LA	AUYF12LA	AUYF14LA	AUYF18LB	
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50	230/1/50	
Noise	Cooling	H/M/L/Q	33/31/29/26	37/33/31/27	40/35/32/27	42/37/33/27	
Air Flow (High)			540	610	680	750	
Net Dimension H x W x D	mm		245x570x570	245x570x570	245x570x570	245x570x570	
Weight	kg(lbs)		15(33.1)	15(33.1)	15(33.1)	15(33.1)	
Panel	UTG-UFYB-W						

### SPECIFICATIONS (COMPACT DUCT TYPE)

Model No.	Indoor unit		ARYF09LA	ARYF12LA	ARYF14LA	ARYF18LB	ARYF22LA
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Noise	Cooling	H/M/L/Q	35/33/31/30	30/29/26/25	33/30/27/24	34/32/30/29	40/36/33/30
Air Flow (High)			480	630	820	850	1060
Net Dimension H x W x D	mm		217x663x595	217x953x595	217x953x595	217x953x595	217x953x595
Weight	kg(lbs)		18(40)	23(51)	23(51)	23(51)	23(51)

### SPECIFICATIONS (2 ROOMS, 3 ROOMS, 4 ROOMS)

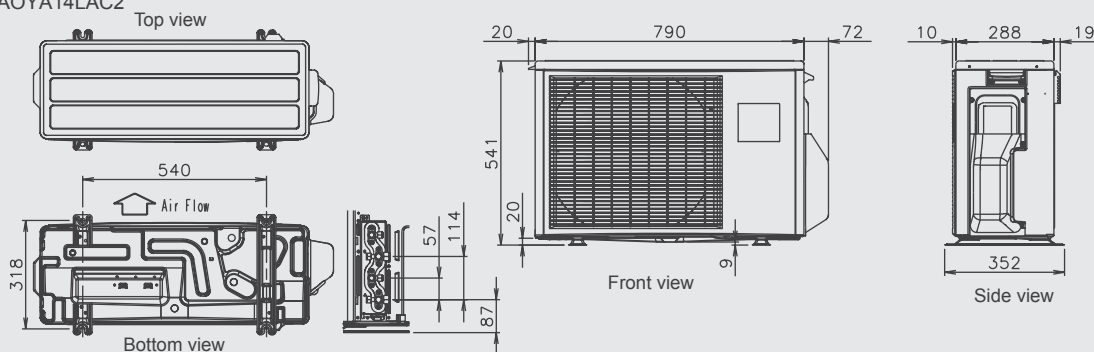
Model No.	Outdoor unit		AOYA14LAC2	AOY18LMAK2	AOY24LMAM2	AOYA18LAT3	AOYA24LAT3	AOY30LMAW4
Power Source	V/∅/Hz		230/1/50	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
Noise	Cooling	H/M/L/Q	47	49	49	46	48	50
Net Dimension H x W x D	mm		540 x 790 x 290	650x830x320	650x830x320	700x900x330	700x900x330	830x900x330
Weight	kg(lbs)		37(82)	56(123)	56(123)	55(121)	55(121)	68(150)
Piping Connections (Small / Large)	mm		6.35/9.52	6.35/9.52 6.35/*12.70	6.35/9.52 6.35/*12.70	6.35/9.52x2 6.35/*12.70	6.35/9.52x2 6.35/*12.70	6.35/9.52x2 6.35/*12.70x2
Max Pipe Length	mm		30 (Total)	30 (Total)	30 (Total)	50 (Total)	50 (Total)	70 (Total)
Max Height Difference	mm		15 (Each)	10 (Each)	10 (Each)	15 (Each)	15 (Each)	10 (Each)
Operation Range	Cooling	°CDB	10~46	0~46	0~46	-10~46	-10~46	0~46
	Heating	°CDB	-15~24	-10~24	-10~24	-15~24	-15~24	-10~24
Refrigerant			R410A	R410A	R410A	R410A	R410A	R410A

\* Connect to connection valve by the adapter.

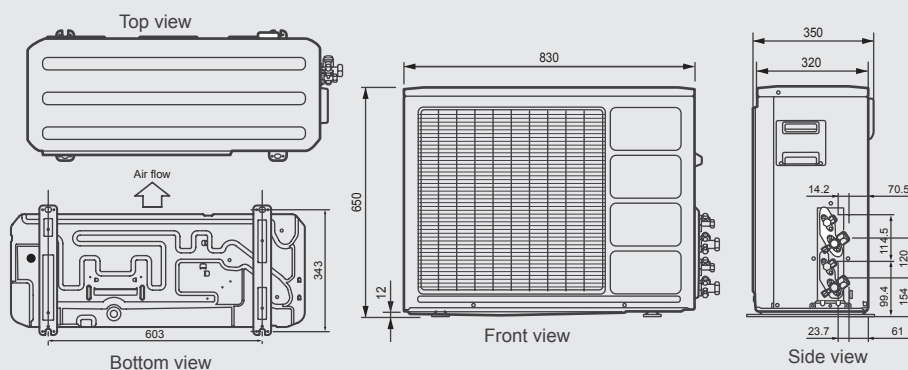
## Dimensions

### 2 ROOMS

Model: AOYA14LAC2

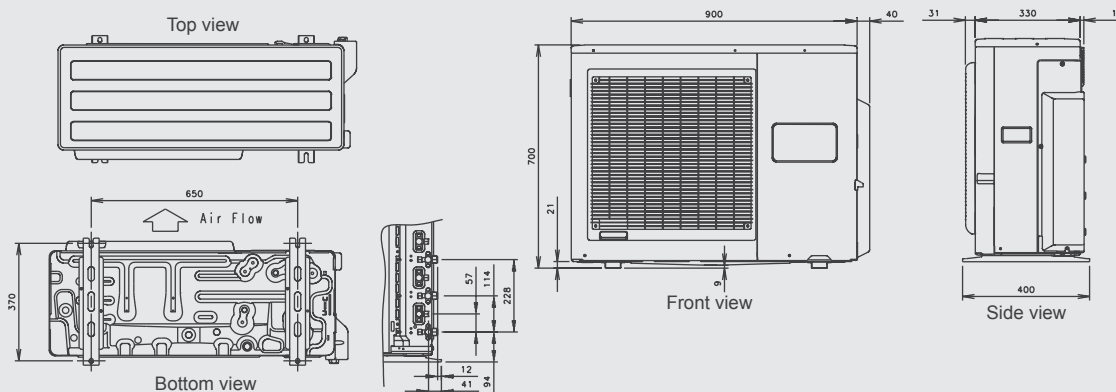


Models: AOY18LMAK2 / AOY24LMAM2



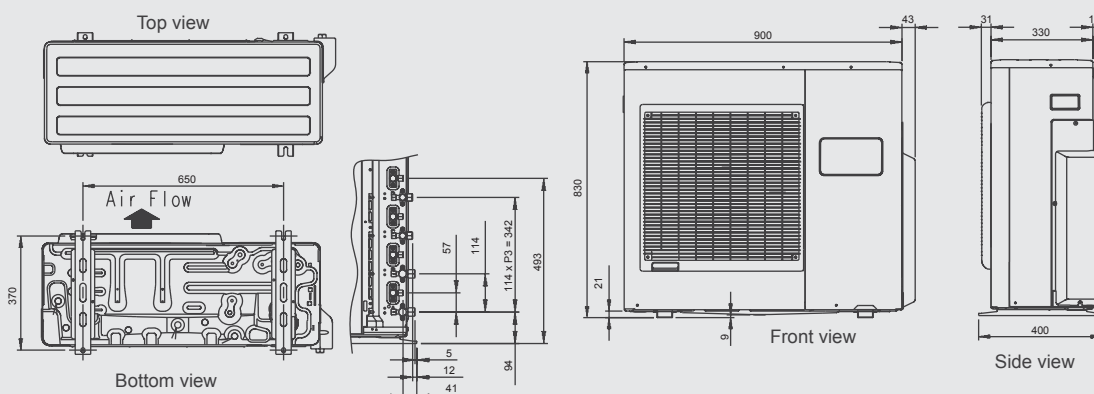
### 3 ROOMS

Models: AOYA18LAT3 / AOYA24LAT3



### 4 ROOMS

Models: AOY30LMAW4



# 2 & 3-4 Rooms Combination tables

AOYA14LAC2	Indoor model for each room		COOLING OPERATION					EER	Cooling class
			COOLING OPERATION			Power Input			
			Room 1	Room 2	Total				
		KW	KW	KW	KW				
1 Room	7	-	2.10	-	2.10	0.59	3.56	A	
	9	-	2.50	-	2.50	0.65	3.85	A	
	12	-	3.50	-	3.50	1.04	3.37	A	
2 Room	7	7	2.30	2.00	4.00	1.09	3.67	A	
	7	9	1.95	2.05	4.00	1.09	3.67	A	
	7	12	1.65	2.35	4.00	1.05	3.81	A	
	9	9	2.00	2.00	4.00	1.09	3.67	A	
	9	12	1.70	2.30	4.00	1.05	3.81	A	
	9	12	1.70	2.30	4.00	1.05	3.81	A	

AOY18LMAK2	Indoor model for each room		COOLING OPERATION					EER	Cooling class
			COOLING OPERATION			Power Input			
			Room 1	Room 2	Total				
		KW	KW	KW	KW				
1 Room	7	-	2.30	-	2.30(2.0-2.7)	0.71(0.65-0.90)	3.24	A	
	9	-	2.70	-	2.70(2.0-3.2)	0.89(0.65-1.07)	3.03	B	
	12	-	3.50	-	3.50(2.0-4.0)	1.09(0.65-1.33)	3.21	A	
	14	-	4.20	-	4.20(2.0-4.8)	1.30(0.65-1.60)	3.23	A	
2 Room	7	7	2.30	2.30	4.60(2.0-5.4)	1.39(0.68-1.68)	3.31	A	
	7	9	2.35	2.75	5.10(2.0-5.9)	1.56(0.68-1.84)	3.27	A	
	7	12	2.18	3.32	5.50(2.0-6.3)	1.65(0.68-2.03)	3.33	A	
	7	14	1.95	3.55	5.50(2.0-6.5)	1.65(0.68-2.40)	3.33	A	
	9	9	2.70	2.70	5.40(2.0-6.3)	1.65(0.68-2.06)	3.27	A	
	9	12	2.40	3.10	5.50(2.0-6.5)	1.65(0.68-2.40)	3.33	A	
	9	14	2.15	3.35	5.50(2.0-6.5)	1.65(0.68-2.40)	3.33	A	
	12	12	2.75	2.75	5.50(2.0-6.5)	1.65(0.68-2.40)	3.33	A	

AOY24LMAM2	Indoor model for each room		COOLING OPERATION					EER	Cooling class
			COOLING OPERATION			Power Input			
			Room 1	Room 2	Total				
		KW	KW	KW	KW				
1 Room	7	-	2.30	-	2.30(2.0-2.7)	0.71(0.65-0.90)	3.24	A	
	9	-	2.70	-	2.70(2.0-3.2)	0.89(0.65-1.07)	3.03	B	
	12	-	3.50	-	3.50(2.0-4.0)	1.09(0.65-1.33)	3.21	A	
	14	-	4.20	-	4.20(2.0-4.8)	1.30(0.65-1.60)	3.23	A	
	18	-	5.00	-	5.00(2.0-5.6)	1.64(0.68-1.95)	3.05	B	
2 Room	7	7	2.30	2.30	4.60(2.0-5.4)	1.39(0.68-1.68)	3.31	A	
	7	9	2.35	2.75	5.10(2.0-5.9)	1.56(0.68-1.84)	3.27	A	
	7	12	2.18	3.32	5.50(2.0-6.3)	1.71(0.68-2.03)	3.22	A	
	7	14	2.02	3.68	5.70(2.0-7.3)	1.72(0.68-2.62)	3.31	A	
	7	18	1.80	3.90	5.70(2.0-7.6)	1.72(0.68-2.87)	3.31	A	
	9	9	2.70	2.70	5.40(2.0-6.3)	1.68(0.68-2.06)	3.21	A	
	9	12	2.44	3.16	5.60(2.0-7.0)	1.71(0.68-2.58)	3.27	A	
	9	14	2.23	3.47	5.70(2.0-7.6)	1.72(0.68-2.87)	3.31	A	
	9	18	2.00	3.70	5.70(2.5-7.7)	1.72(0.80-2.87)	3.31	A	
	12	12	2.80	2.80	5.60(2.0-7.3)	1.72(0.68-2.87)	3.26	A	
	12	14	2.59	3.11	5.70(2.0-7.6)	1.73(0.68-2.87)	3.29	A	
	12	18	2.39	3.41	5.80(2.5-7.8)	1.73(0.80-2.87)	3.35	A	
	14	14	2.90	2.90	5.80(2.5-7.8)	1.73(0.80-2.87)	3.35	A	

AOYA18LAT3	Indoor model for each room		COOLING OPERATION					EER	Cooling class
			COOLING OPERATION				Power Input		
			Room 1	Room 2	Room 3	Total			
		KW	KW	KW	KW	KW			
1 Room	7	-	2.30	-	-	2.30(1.5-2.7)	0.65(0.45-0.75)	3.54	A
	9	-	2.70	-	-	2.70(1.5-3.3)	0.80(0.45-1.09)	3.38	A
	12	-	3.50	-	-	3.50(1.5-3.7)	1.09(0.45-1.15)	3.21	A
	14	-	4.20	-	-	4.20(1.5-4.8)	1.16(0.45-1.41)	3.62	A
2 Room	7	7	2.30	2.30	-	4.60(1.5-5.0)	1.22(0.50-1.43)	3.77	A
	9	7	2.70	2.30	-	5.00(1.8-5.7)	1.35(0.50-1.81)	3.70	A
	12	7	3.02	1.98	-	5.00(1.8-6.1)	1.34(0.50-2.06)	3.73	A
	14	7	3.42	1.88	-	5.30(1.8-6.6)	1.34(0.50-2.06)	3.96	A
	9	9	2.50	2.50	-	5.00(1.8-6.2)	1.35(0.50-2.06)	3.70	A
	12	9	2.82	2.18	-	5.00(1.8-6.3)	1.35(0.50-2.06)	3.70	A
	14	9	3.23	2.07	-	5.30(1.8-6.7)	1.35(0.50-2.06)	3.93	A
	12	12	2.55	2.55	-	5.10(1.8-6.3)	1.35(0.50-2.06)	3.78	A
	14	12	2.89	2.41	-	5.30(1.8-6.7)	1.35(0.50-2.06)	3.93	A
	7	7	1.80	1.80	1.80	5.40(1.8-6.8)	1.34(0.50-2.06)	4.03	A
	9	7	2.00	1.70	1.70	5.40(1.8-6.8)	1.35(0.50-2.06)	4.00	A
	3 Room	12	7	2.33	1.53	1.53	5.40(1.8-6.8)	1.35(0.50-2.06)	4.00
14		7	2.58	1.41	1.41	5.40(2.0-6.8)	1.35(0.60-2.06)	4.00	A
9		9	1.89	1.89	1.61	5.40(1.8-6.8)	1.35(0.50-2.06)	4.00	A
12		9	2.22	1.72	1.46	5.40(1.8-6.8)	1.35(0.50-2.06)	4.00	A
14		9	2.47	1.58	1.35	5.40(2.0-6.8)	1.35(0.60-2.06)	4.00	A
9		9	1.80	1.80	1.80	5.40(1.8-6.8)	1.35(0.50-2.06)	4.00	A
12		9	2.12	1.64	1.64	5.40(1.8-6.8)	1.35(0.50-2.06)	4.00	A

AOYA24LAT3	Indoor model for each room		COOLING OPERATION					EER	Cooling class
			COOLING OPERATION				Power Input		
			Room 1	Room 2	Room 3	Total			
		KW	KW	KW	KW	KW			
1 Room	7	-	2.30	-	-	2.30(1.5-2.7)	0.65(0.45-0.75)	3.54	A
	9	-	2.70	-	-	2.70(1.5-3.3)	0.80(0.45-1.09)	3.38	A
	12	-	3.50	-	-	3.50(1.5-3.7)	1.09(0.45-1.15)	3.21	A
	14	-	4.20	-	-	4.20(1.5-4.8)	1.16(0.45-1.41)	3.62	A
	18	-	5.00	-	-	5.00(1.8-5.6)	1.50(0.50-1.96)	3.33	A
2 Room	7	7	2.30	2.30	-	4.60(1.8-5.0)	1.20(0.50-1.40)	3.83	A
	9	7	2.70	2.30	-	5.00(1.8-5.7)	1.36(0.50-1.78)	3.68	A
	12	7	3.42	2.38	-	5.80(1.8-6.1)	1.70(0.50-1.97)	3.41	A
	14	7	4.13	2.37	-	6.50(1.8-7.2)	1.91(0.50-2.46)	3.40	A
	18	7	4.52	2.08	-	6.60(1.8-7.8)	1.91(0.50-2.87)	3.46	A
	9	9	2.75	2.75	-	5.50(1.8-6.2)	1.55(0.50-2.02)	3.55	A
	12	9	3.41	2.79	-	6.20(1.8-6.8)	1.90(0.50-2.45)	3.26	A
	14	9	3.94	2.66	-	6.60(1.8-7.7)	1.91(0.50-2.77)	3.46	A
	18	9	4.35	2.35	-	6.70(1.8-7.9)	1.91(0.50-2.87)	3.51	A
	12	12	3.15	3.15	-	6.30(1.8-7.2)	1.90(0.50-2.74)	3.32	A
	14	12	3.67	3.03	-	6.70(1.8-7.8)	1.91(0.50-2.87)	3.51	A
	18	12	4.04	2.66	-	6.70(1.8-7.9)	1.92(0.50-2.87)	3.49	A
	7	7	2.27	2.27	2.27	6.80(1.8-7.4)	1.92(0.50-2.37)	3.54	A
	9	7	2.52	2.14	2.14	6.80(1.8-7.8)	1.93(0.50-2.60)	3.52	A
	12	7	2.84	1.98	1.98	6.80(1.8-8.1)	1.93(0.50-2.87)	3.52	A
	14	7	3.16	1.82	1.82	6.80(2.0-8.4)	1.94(0.60-2.87)	3.51	A
	18	7	3.54	1.63	1.63	6.80(2.0-8.5)	1.94(0.60-2.87)	3.51	A
	9	9	2.38	2.38	2.03	6.80(1.8-8.2)	1.93(0.50-2.87)	3.52	A
	12	9	2.70	2.21	1.88	6.80(1.8-8.2)	1.93(0.50-2.87)	3.52	A
	14	9	3.02	2.04	1.74	6.80(2.0-8.4)	1.94(0.60-2.87)	3.51	A
	18	9	3.40	1.84	1.56	6.80(2.0-8.5)	1.94(0.60-2.87)	3.51	A
	12	12	2.52	2.52	1.76	6.80(1.8-8.2)	1.94(0.50-2.87)	3.51	A
	14	12	2.83	2.34	1.63	6.80(2.0-8.5)	1.94(0.60-2.87)	3.51	A
	9	9	2.27	2.27	2.27	6.80(1.8-8.2)	1.94(0.50-2.87)	3.51	A
12	9	2.58	2.11	2.11	6.80(1.8-8.3)	1.94(0.50-2.87)	3.51	A	
14	9	2.89	1.95	1.95	6.80(2.0-8.5)	1.94(0.60-2.87)	3.51	A	
18	9	3.27	1.77	1.77	6.80(2.0-8.5)	1.94(0.60-2.87)	3.51	A	
12	12	2.41	2.41	1.97	6.80(1.8-8.3)	1.94(0.50-2.87)	3.51	A	
14	12	2.72	2.24	1.84	6.80(2.0-8.5)	1.94(0.60-2.87)	3.51	A	
12	12	2.27	2.27	2.27	6.80(1.8-8.3)	1.94(0.50-2.87)	3.51	A	

Note: \*Indoor unit combinations shown here are the patterns of units operating, not patterns of units connectable.  
 \*Cooling capacity is based on 27°CDB/19°CWB (indoor temperature), 35°CDB (outdoor temperature).  
 \*Heating capacity is based on 20°CDB (indoor temperature), 7°CDB/6°CWB (outdoor temperature).

AOYA14LAC2	Indoor model for each room			HEATING OPERATION					COP	Heating class
				HEATING OPERATION			Power Input			
				Room 1	Room 2	Total				
			KW	KW	KW	KW				
1 Room	7	-	-	2.70	-	-	2.70	0.64	4.22	A
	9	-	-	3.30	-	-	3.30	0.87	3.79	A
	12	-	-	4.00	-	-	4.00	1.13	3.54	A
2 Room	7	7	-	2.20	2.20	-	4.40	1.03	4.27	A
	7	9	-	2.15	2.25	-	4.40	1.03	4.27	A
	7	12	-	1.95	2.45	-	4.40	1.02	4.31	A
	9	9	-	2.20	2.20	-	4.40	1.03	4.27	A
	9	12	-	2.00	2.40	-	4.40	1.02	4.31	A
	9	12	9	2.00	2.40	4.40	4.40	1.02	4.31	A

AOY18LMAK2	Indoor model for each room			HEATING OPERATION					COP	Heating class
				HEATING OPERATION			Power Input			
				Room 1	Room 2	Total				
			KW	KW	KW	KW				
1 Room	7	-	-	2.70	-	-	2.70(2.2-3.3)	0.82(0.65-1.01)	3.29	C
	9	-	-	3.30	-	-	3.30(2.2-4.2)	0.99(0.65-1.26)	3.33	C
	12	-	-	4.00	-	-	4.00(2.2-4.8)	1.20(0.65-1.47)	3.33	C
	14	-	-	4.80	-	-	4.80(2.2-6.0)	1.43(0.65-1.87)	3.36	C
2 Room	7	7	-	2.60	2.60	-	5.20(2.2-6.4)	1.34(0.68-1.75)	3.88	A
	7	9	-	2.85	3.35	-	6.20(2.2-7.3)	1.65(0.68-2.22)	3.76	A
	7	12	-	2.59	3.71	-	6.30(2.2-7.7)	1.65(0.68-2.40)	3.82	A
	7	14	-	2.36	4.04	-	6.40(2.5-7.8)	1.66(0.75-2.40)	3.86	A
	9	9	-	3.15	3.15	-	6.30(2.2-7.7)	1.65(0.68-2.22)	3.82	A
	9	12	-	2.85	3.45	-	6.30(2.2-7.8)	1.65(0.75-2.40)	3.82	A
	9	14	-	2.61	3.79	-	6.40(2.5-7.8)	1.65(0.75-2.40)	3.88	A
	12	12	12	3.15	3.15	6.30(2.2-7.8)	6.30(2.2-7.8)	1.65(0.75-2.40)	3.82	A

AOY24LMAM2	Indoor model for each room			HEATING OPERATION					COP	Heating class
				HEATING OPERATION			Power Input			
				Room 1	Room 2	Total				
			KW	KW	KW	KW				
1 Room	7	-	-	2.70	-	-	2.70(2.2-3.3)	0.82(0.65-1.01)	3.29	C
	9	-	-	3.30	-	-	3.30(2.2-4.2)	0.99(0.65-1.26)	3.33	C
	12	-	-	4.00	-	-	4.00(2.2-4.8)	1.20(0.65-1.47)	3.33	C
	14	-	-	4.80	-	-	4.80(2.2-6.0)	1.43(0.65-1.87)	3.36	C
2 Room	7	7	-	2.60	2.60	-	5.20(2.2-7.1)	1.34(0.68-1.75)	3.88	A
	7	9	-	2.85	3.35	-	6.20(2.2-7.4)	1.70(0.68-2.22)	3.65	A
	7	12	-	2.59	3.71	-	6.30(2.2-7.9)	1.69(0.68-2.41)	3.73	A
	7	14	-	2.36	4.04	-	6.40(2.5-8.5)	1.67(0.75-2.68)	3.83	A
	7	18	-	2.13	4.27	-	6.40(2.5-8.9)	1.65(0.75-2.87)	3.88	A
	9	9	-	3.20	3.20	-	6.40(2.2-8.0)	1.70(0.68-2.47)	3.76	A
	9	12	-	2.85	3.45	-	6.30(2.2-8.4)	1.68(0.75-2.70)	3.75	A
	9	14	-	2.61	3.79	-	6.40(2.5-8.9)	1.66(0.75-2.87)	3.86	A
	9	18	-	2.37	4.03	-	6.40(2.7-8.9)	1.64(0.80-2.87)	3.90	A
	12	12	12	3.20	3.20	6.40(2.2-8.9)	6.40(2.2-8.9)	1.67(0.75-2.87)	3.83	A
	12	14	-	2.91	3.49	-	6.40(2.5-9.0)	1.65(0.80-2.87)	3.88	A
	12	18	-	2.67	3.73	-	6.40(2.7-9.0)	1.64(0.80-2.87)	3.90	A
	14	14	14	3.20	3.20	6.40(2.7-8.8)	6.40(2.7-8.8)	1.64(0.80-2.87)	3.90	A

AOYA18LAT3	Indoor model for each room			HEATING OPERATION					COP	Heating class
				HEATING OPERATION			Power Input			
				Room 1	Room 2	Room 3		Total		
			KW	KW	KW	KW	KW			
1 Room	7	-	-	2.70	-	-	2.70(1.5-3.3)	0.83(0.43-1.00)	3.25	C
	9	-	-	3.30	-	-	3.30(1.5-4.2)	1.00(0.42-1.30)	3.30	C
	12	-	-	3.80	-	-	3.80(1.5-4.8)	1.26(0.42-1.62)	3.02	D
	14	-	-	4.80	-	-	4.80(1.5-5.8)	1.30(0.42-1.70)	3.09	A
2 Room	7	7	-	2.70	2.70	-	5.40(2.0-6.1)	1.59(0.52-1.93)	3.40	C
	9	7	-	3.25	2.75	-	6.00(2.0-6.4)	1.87(0.52-2.06)	3.21	C
	12	7	-	3.71	2.59	-	6.30(2.0-6.5)	1.98(0.52-2.06)	3.18	D
	14	7	-	4.29	2.51	-	6.80(2.0-7.1)	1.92(0.50-2.06)	3.54	B
	9	9	-	3.15	3.15	-	6.30(2.0-6.5)	1.98(0.52-2.06)	3.18	D
	12	9	-	3.51	2.89	-	6.40(2.0-6.6)	1.99(0.52-2.06)	3.22	C
3 Room	14	9	-	4.03	2.77	-	6.80(2.0-7.2)	1.91(0.50-2.06)	3.56	B
	12	12	-	3.20	3.20	-	6.40(2.0-6.6)	1.98(0.52-2.06)	3.23	C
	14	12	-	3.71	3.09	-	6.80(2.0-7.3)	1.90(0.50-2.06)	3.58	B
	7	7	7	2.23	2.23	2.23	6.70(2.0-7.7)	1.70(0.50-2.06)	3.94	A
	9	7	7	2.52	2.14	2.14	6.80(2.0-7.8)	1.70(0.50-2.06)	4.00	A
	12	7	7	2.83	1.98	1.98	6.80(2.0-7.8)	1.69(0.50-2.06)	4.02	A
	14	7	7	3.14	1.83	1.83	6.80(2.0-8.0)	1.62(0.50-2.06)	4.20	A
	9	9	7	2.39	2.39	2.03	6.80(2.0-7.8)	1.69(0.50-2.06)	4.02	A
	12	9	7	2.69	2.22	1.89	6.80(2.0-7.9)	1.68(0.50-2.06)	4.05	A
	14	9	7	2.99	2.06	1.75	6.80(2.0-8.0)	1.62(0.50-2.06)	4.20	A
	9	9	9	2.27	2.27	2.27	6.80(2.0-7.9)	1.68(0.50-2.06)	4.05	A
	12	9	9	2.57	2.12	2.12	6.80(2.0-7.9)	1.67(0.50-2.06)	4.07	A

AOYA24LAT3	Indoor model for each room			HEATING OPERATION					COP	Heating class
				HEATING OPERATION			Power Input			
				Room 1	Room 2	Room 3		Total		
			KW	KW	KW	KW	KW			
1 Room	7	-	-	2.70	-	-	2.70(1.5-3.3)	0.83(0.43-1.00)	3.25	C
	9	-	-	3.30	-	-	3.30(1.5-4.2)	1.00(0.42-1.30)	3.30	C
	12	-	-	3.80	-	-	3.80(1.5-4.8)	1.26(0.42-1.62)	3.02	D
	14	-	-	4.80	-	-	4.80(1.5-5.8)	1.30(0.42-1.70)	3.09	A
2 Room	7	7	-	2.47	2.47	-	4.94(2.0-6.1)	1.55(0.52-1.93)	3.55	B
	9	7	-	3.30	2.80	-	6.10(2.0-7.0)	1.82(0.52-2.52)	3.35	C
	12	7	-	4.12	2.88	-	7.00(2.0-7.3)	2.31(0.52-2.66)	3.03	D
	14	7	-	4.80	2.80	-	7.60(2.0-8.3)	2.28(0.50-2.87)	3.33	C
	18	7	-	5.39	2.51	-	7.90(2.0-8.3)	2.34(0.50-2.87)	3.38	C
	9	9	-	3.30	3.30	-	6.60(2.0-7.4)	2.04(0.52-2.68)	3.24	C
	12	9	-	4.00	3.30	-	7.30(2.0-7.7)	2.43(0.52-2.87)	3.00	D
	14	9	-	4.68	3.22	-	7.90(2.0-8.3)	2.38(0.50-2.87)	3.32	C
	18	9	-	5.16	2.84	-	8.00(2.0-8.5)	2.32(0.50-2.87)	3.45	B
	12	12	-	3.80	3.80	-	7.60(2.0-7.8)	2.54(0.52-2.87)	2.99	D
	14	12	-	4.31	3.59	-	7.90(2.0-8.4)	2.37(0.50-2.87)	3.33	C
	18	12	-	4.80	3.20	-	8.00(2.0-8.8)	2.31(0.50-2.87)	3.46	B
	7	7	7	2.47	2.47	2.47	7.40(2.0-8.8)	2.05(0.50-2.68)	3.61	A
	3 Room	9	7	7	2.86	2.42	2.42	7.70(2.0-8.8)	2.11(0.50-2.87)	3.65
12		7	7	3.25	2.28	2.28	7.80(2.0-8.9)	2.10(0.50-2.80)	3.71	A
14		7	7	3.65	2.13	2.13	7.90(2.0-9.2)	2.02(0.50-2.72)	3.91	A
18		7	7	4.09	1.91	1.91	7.90(2.0-9.2)	2.00(0.50-2.70)	3.95	A
9		9	7	2.74	2.74	2.32	7.80(2.0-9.0)	2.10(0.50-2.87)	3.71	A
12		9	7	3.09	2.55	2.16	7.80(2.0-9.1)	2.09(0.50-2.87)	3.73	A
14		9	7	3.52	2.42	2.06	8.00(2.0-9.2)	2.02(0.50-2.72)	3.96	A
18		9	7	3.97	2.18	1.85	8.00(2.0-9.2)	2.00(0.50-2.69)	4.00	A
12		12	7	2.93	2.93	2.05	7.90(2.0-9.1)	2.08(0.50-2.87)	3.80	A
14		12	7	3.31	2.76	1.93	8.00(2.0-9.2)	2.01(0.50-2.70)	3.98	A
9		9	9	2.63	2.63	2.63	7.90(2.0-9.1)	2.09(0.50-2.87)	3.78	A
12		9	9	2.98	2.46	2.46	7.90(2.0-9.2)	2.08(0.50-2.87)	3.80	A
14		9	9	3.37	2.32	2.32	8.00(2.0-9.2)	2.00(0.50-2.70)	4.00	A
18		9	9	3.81	2.10	2.10	8.00(2.0-9.2)	1.98(0.50-2.68)	4.04	A
12		12	9	2.83	2.83	2.34	8.00(2.0-9.2)	2.07(0.50-2.80)	3.86	A
14		12	9	3.17	2.64	2.18	8.00(2.0-9.2)	2.00(0.50-2.69)	4.00	A
12		12	12	2.67	2.67	2.67	8.00(2.0-9.2)	2.06(0.50-2.78)	3.88	A

# 2 & 3-4 Rooms Combination tables

AOY30LMAW4	Indoor model for each room		COOLING OPERATION									
			COOLING OPERATION				Total	Power Input	EER	Cooling class		
			Room 1	Room 2	Room 3	Room 4					KW	KW
1 Room	7	-	-	-	2.30	-	-	-	2.30(1.6-2.7)	0.78(0.56-0.99)	2.95	C
	9	-	-	-	2.70	-	-	-	2.70(1.6-3.4)	0.94(0.56-1.25)	2.87	C
	12	-	-	-	3.50	-	-	-	3.50(1.6-3.8)	1.24(0.56-1.40)	2.82	C
	14	-	-	-	4.00	-	-	-	4.00(1.7-4.5)	1.40(0.57-1.68)	2.86	C
	18	-	-	-	5.20	-	-	-	5.20(1.7-6.0)	1.68(0.56-2.20)	3.10	B
	22	-	-	-	6.30	-	-	-	6.30(1.8-6.8)	2.30(0.58-2.70)	2.74	D
	24	-	-	-	6.80	-	-	-	6.80(1.8-7.4)	2.40(0.58-2.86)	2.83	C
	7	7	-	-	2.30	2.30	-	-	4.60(1.8-5.2)	1.42(0.60-1.62)	3.24	A
	9	7	-	-	2.70	2.30	-	-	5.00(1.8-6.0)	1.60(0.60-2.16)	3.13	B
	12	7	-	-	3.50	2.30	-	-	5.80(1.8-6.2)	2.00(0.60-2.20)	2.90	C
	14	7	-	-	4.00	2.30	-	-	6.30(1.8-7.1)	2.15(0.60-2.50)	2.93	C
	2 Room	18	7	-	-	4.80	2.10	-	-	6.90(2.8-8.2)	2.10(0.90-2.85)	3.29
22		7	-	-	5.20	1.90	-	-	7.10(2.8-8.9)	2.16(0.90-3.30)	3.29	A
24		7	-	-	5.40	1.90	-	-	7.20(2.8-9.3)	2.16(0.90-3.58)	3.33	A
9		9	-	-	2.70	2.70	-	-	5.40(1.8-6.4)	1.68(0.60-2.23)	3.21	A
12		9	-	-	3.50	2.70	-	-	6.20(2.8-6.8)	2.16(0.90-2.50)	2.87	C
14		9	-	-	4.00	2.70	-	-	6.70(2.8-7.8)	2.35(0.90-2.90)	2.85	C
18		9	-	-	4.60	2.40	-	-	7.00(2.8-7.7)	2.15(0.90-3.25)	3.26	A
22		9	-	-	5.00	2.10	-	-	7.10(2.8-9.0)	2.15(0.90-3.52)	3.30	A
24		9	-	-	5.23	2.07	-	-	7.30(2.8-9.5)	2.15(0.90-3.52)	3.40	A
12		12	-	-	3.35	3.35	-	-	6.70(2.8-7.3)	2.36(0.90-2.80)	2.84	C
14		12	-	-	3.68	3.22	-	-	6.90(2.8-8.5)	2.18(0.90-3.30)	3.17	B
18		12	-	-	4.18	2.82	-	-	7.00(2.8-9.1)	2.15(0.90-3.52)	3.26	A
22		12	-	-	4.63	2.57	-	-	7.20(2.8-9.4)	2.20(0.90-3.52)	3.27	A
24		12	-	-	4.82	2.48	-	-	7.30(2.8-9.5)	2.15(0.90-3.52)	3.40	A
14		14	-	-	3.55	3.55	-	-	7.10(2.8-9.0)	2.20(0.90-3.40)	3.23	A
18		14	-	-	4.07	3.13	-	-	7.20(2.8-9.3)	2.20(0.90-3.52)	3.27	A
22		14	-	-	4.47	2.83	-	-	7.30(2.8-9.6)	2.20(0.90-3.52)	3.32	A
24		14	-	-	4.66	2.74	-	-	7.40(3.4-9.7)	2.20(1.10-3.52)	3.36	A
7		7	7	-	2.30	2.30	2.30	-	6.90(1.8-7.5)	2.20(0.60-2.44)	3.14	B
9		7	7	-	2.70	2.30	2.30	-	7.30(2.8-7.7)	2.35(0.90-2.55)	3.11	B
12		7	7	-	3.02	1.99	1.99	-	7.00(2.8-8.2)	2.17(0.90-2.90)	3.23	A
14		7	7	-	3.27	1.96	1.96	-	7.20(1.8-8.9)	2.22(0.68-3.43)	3.24	A
18		7	7	-	4.08	1.81	1.81	-	7.70(2.8-10.0)	2.22(0.98-3.55)	3.47	A
22		7	7	-	4.49	1.66	1.66	-	7.80(2.8-10.1)	2.17(0.98-3.58)	3.59	A
24	7	7	-	4.57	1.61	1.61	-	7.80(2.8-10.1)	2.19(0.98-3.53)	3.56	A	
9	9	7	-	2.45	2.45	2.09	-	7.00(2.8-8.3)	2.17(0.90-2.90)	3.23	A	
12	9	7	-	2.78	2.34	2.08	-	7.20(1.6-8.9)	2.22(0.68-3.41)	3.24	A	
14	9	7	-	3.16	2.14	1.90	-	7.20(2.8-9.1)	2.22(0.98-3.56)	3.24	A	
18	9	7	-	3.96	1.98	1.76	-	7.70(2.8-9.9)	2.22(0.98-3.56)	3.47	A	
22	9	7	-	4.37	1.82	1.61	-	7.80(2.8-10.1)	2.22(0.98-3.58)	3.51	A	
24	9	7	-	4.46	1.77	1.57	-	7.80(2.8-10.1)	2.19(0.98-3.53)	3.56	A	
12	12	7	-	2.62	2.62	1.96	-	7.20(1.6-9.1)	2.22(0.68-3.54)	3.24	A	
14	12	7	-	3.04	2.43	1.83	-	7.30(2.8-9.2)	2.22(0.98-3.56)	3.29	A	
18	12	7	-	3.78	2.24	1.88	-	7.70(2.8-9.9)	2.22(0.98-3.54)	3.47	A	
22	12	7	-	4.19	2.06	1.55	-	7.80(2.8-10.1)	2.22(0.98-3.58)	3.51	A	
24	12	7	-	4.28	2.01	1.51	-	7.80(2.8-10.1)	2.19(0.98-3.56)	3.56	A	
14	14	7	-	2.81	2.81	1.68	-	7.30(2.8-9.3)	2.22(0.98-3.58)	3.29	A	
18	14	7	-	3.52	2.61	1.57	-	7.70(3.5-10.0)	2.22(1.17-3.58)	3.47	A	
22	14	7	-	3.93	2.42	1.45	-	7.80(3.5-10.1)	2.22(1.17-3.58)	3.51	A	
24	14	7	-	4.07	2.39	1.44	-	7.90(3.5-10.1)	2.20(1.17-3.58)	3.59	A	
18	18	7	-	3.19	1.42	-	-	7.80(3.5-10.1)	2.22(1.17-3.58)	3.51	A	
22	18	7	-	3.59	2.96	1.33	-	7.90(3.5-10.1)	2.22(1.17-3.58)	3.56	A	
24	18	7	-	3.68	2.92	1.30	-	7.90(4.7-10.1)	2.22(1.17-3.58)	3.56	A	
9	9	9	-	2.40	2.40	2.40	-	7.20(2.8-8.9)	2.22(0.98-3.42)	3.24	A	
12	9	9	-	2.68	2.26	2.26	-	7.20(2.8-9.1)	2.22(0.98-3.54)	3.24	A	
14	9	9	-	3.11	2.10	2.10	-	7.30(2.8-9.2)	2.22(0.98-3.57)	3.29	A	
18	9	9	-	3.85	1.93	1.93	-	7.70(2.8-9.9)	2.22(0.98-3.56)	3.47	A	
22	9	9	-	4.26	1.77	1.77	-	7.80(2.8-10.1)	2.22(0.98-3.58)	3.51	A	
24	9	9	-	4.35	1.73	1.73	-	7.80(2.8-10.1)	2.20(1.17-3.54)	3.55	A	
12	12	9	-	2.53	2.53	2.14	-	7.20(2.8-9.1)	2.22(0.98-3.54)	3.24	A	
14	12	9	-	2.95	2.36	1.99	-	7.30(2.8-9.2)	2.22(0.98-3.57)	3.29	A	
18	12	9	-	3.68	2.18	1.84	-	7.70(2.8-9.9)	2.22(0.98-3.56)	3.47	A	
22	12	9	-	4.09	2.01	1.70	-	7.80(2.8-10.1)	2.22(0.98-3.58)	3.51	A	
24	12	9	-	4.18	1.97	1.66	-	7.80(2.8-10.1)	2.19(0.98-3.56)	3.56	A	
14	14	9	-	2.73	2.73	1.84	-	7.30(3.5-9.3)	2.22(1.17-3.58)	3.29	A	
18	14	9	-	3.48	2.58	1.74	-	7.80(3.5-10.0)	2.22(1.17-3.58)	3.51	A	
22	14	9	-	3.84	2.36	1.60	-	7.80(3.5-10.1)	2.22(1.17-3.58)	3.51	A	
24	14	9	-	3.98	2.34	1.58	-	7.90(3.5-10.1)	2.22(1.17-3.56)	3.56	A	
18	18	9	-	3.12	3.12	1.56	-	7.80(4.7-10.1)	2.22(1.17-3.58)	3.51	A	
22	18	9	-	3.52	2.92	1.46	-	7.90(4.7-10.1)	2.22(1.17-3.58)	3.56	A	
12	12	12	-	2.43	2.43	2.43	-	7.30(2.8-9.2)	2.22(0.98-3.55)	3.29	A	
14	12	12	-	2.85	2.28	2.28	-	7.40(2.8-9.3)	2.22(0.98-3.58)	3.33	A	
18	12	12	-	3.57	2.12	2.12	-	7.80(3.5-10.0)	2.22(1.17-3.57)	3.51	A	
22	12	12	-	3.98	1.96	1.96	-	7.90(3.5-10.1)	2.22(1.17-3.58)	3.56	A	
24	12	12	-	4.07	1.92	1.92	-	7.90(3.5-10.1)	2.20(1.17-3.54)	3.59	A	
14	14	12	-	2.64	2.64	2.11	-	7.40(3.5-9.4)	2.22(1.17-3.58)	3.33	A	
18	14	12	-	3.34	2.48	1.98	-	7.80(3.5-10.1)	2.22(1.17-3.58)	3.51	A	
22	14	12	-	3.75	2.31	1.85	-	7.90(3.5-10.1)	2.22(1.17-3.58)	3.56	A	
24	14	12	-	3.05	3.05	1.81	-	7.90(4.7-10.1)	2.22(1.17-3.58)	3.56	A	
7	7	7	7	1.90	1.90	1.90	1.90	7.80(1.6-9.6)	2.20(0.68-3.41)	3.45	A	
9	7	7	7	2.07	1.84	1.84	1.84	7.80(1.6-9.8)	2.22(0.68-3.54)	3.42	A	
12	7	7	7	2.37	1.78	1.78	1.78	7.70(1.6-9.9)	2.22(0.68-3.44)	3.47	A	
14	7	7	7	2.75	1.66	1.66	1.66	7.70(2.8-9.9)	2.22(0.98-3.56)	3.47	A	
18	7	7	7	3.43	1.52	1.52	1.52	8.00(2.8-10.1)	2.20(0.98-3.55)	3.64	A	
22	7	7	7	3.80	1.40	1.40	1.40	8.00(2.8-10.1)	2.22(0.98-3.58)	3.60	A	
9	9	7	7	2.04	2.04	1.81	1.81	7.70(2.8-9.7)	2.22(0.98-3.42)	3.47	A	
12	9	7	7	2.30	1.94	1.73	1.73	7.70(2.8-9.9)	2.22(0.98-3.55)	3.47	A	
14	9	7	7	2.68	1.81	1.61	1.61	7.70(2.8-10.0)	2.22(0.98-3.57)	3.47	A	
18	9	7	7	3.35	1.67	1.49	1.49	8.00(3.5-10.1)	2.20(1.17-3.55)	3.64	A	
22	9	7	7	3.71	1.54	1.37	1.37	8.00(3.5-10.1)	2.22(1.17-3.58)	3.60	A	
12	12	7	7	2.20	2.20	1.65	1.65	7.70(2.8-10.0)	2.22(0.98-3.55)	3.47	A	
14	12	7	7	2.60	2.08	1.56	1.56	7.80(2.8-10.0)	2.22(0.98-3.57)	3.51	A	
18	12	7	7	3.22	1.91	1.43	1.43	8.00(3.5-10.1)	2.22(1.17-3.56)	3.64	A	
22	12	7	7	3.59	1.77	1.32	1.32	8.00(3.5-10.1)	2.22(1.17-3.58)	3.60	A	
14	14	7	7	2.50	2.50	1.50	1.50	8.00(3.5-10.1)	2.22(1.17-3.58)	3.60	A	
18	14	7	7	3.04	2.25	1.35	1.35	8.00(3.5-10.1)	2.22(1.17-3.58)	3.60	A	
9	9	9	7	1.98	1.98	1.98	1.76	7.70(2.8-9.9)	2.22(0.98-3.56)	3.47	A	
12	9	9	7	2.24	1.89	1.89	1.68	7.70(2.8-10.0)	2.22(0.98-3.56)	3.47	A	
14	9	9	7	2.64	1.78	1.78	1.59	7.80(3.5-10.1)	2.22(1.17-3.58)	3.51	A	
18	9	9	7	3.27	1.64	1.64	1.45	8.00(3.5-10.1)	2.22(1.17-3.56)	3.60	A	
22	9	9	7	3.64	1.51	1.51	1.34	8.00(3.5-10.1)	2.22(1.17-3.58)	3.60	A	
12	12	9	7	2.17	2.17	1.83	1.63	7.80(2.8-10.0)	2.22(0.98-3.56)	3.51	A	
14	12	9	7	2.54	2.03	1.71	1.52	7.80(3.5-10.1)	2.22(1.17-3.58)	3.51	A	
18	12	9	7	3.15	1.87	1.58	1.40	8.00(3.5-10.1)	2.22(1.17-3.56)	3.60	A	
14	14	9	7	2.41	2							

AOY30LMAW4	Indoor model for each room				HEATING OPERATION					COP	Heating class	
					HEATING OPERATION				Total			Power Input
					Room 1	Room 2	Room 3	Room 4				
1 Room	7	-	-	-	2.70	-	-	-	2.70(1.5-3.3)	1.00(0.55-1.25)	2.70	E
	9	-	-	-	3.30	-	-	-	3.30(1.5-3.7)	1.22(0.55-1.41)	2.70	E
	12	-	-	-	3.80	-	-	-	3.80(1.5-4.5)	1.40(0.55-1.80)	2.71	E
	14	-	-	-	4.80	-	-	-	4.80(1.7-5.8)	1.48(0.58-1.90)	3.24	C
	18	-	-	-	6.00	-	-	-	6.00(3.2-7.1)	1.90(0.90-2.46)	3.16	D
	22	-	-	-	7.50	-	-	-	7.50(3.2-8.8)	2.29(0.90-2.92)	3.28	C
	24	-	-	-	8.20	-	-	-	8.20(3.2-9.0)	2.78(0.90-3.33)	2.95	D
	7	7	-	-	2.70	2.70	-	-	5.40(1.7-5.9)	1.58(0.55-1.80)	3.42	B
	9	7	-	-	3.30	2.70	-	-	6.00(1.7-7.2)	1.76(0.55-2.50)	3.41	B
	12	7	-	-	3.80	2.70	-	-	6.50(1.7-7.2)	2.20(0.55-2.45)	2.95	D
2 Room	14	7	-	-	4.80	2.70	-	-	7.50(3.3-8.7)	2.25(0.90-2.88)	3.33	C
	18	7	-	-	6.00	2.70	-	-	8.70(3.3-9.4)	2.67(0.90-3.00)	3.26	C
	22	7	-	-	6.84	2.46	-	-	9.30(3.3-10.5)	2.67(0.90-3.34)	3.48	B
	24	7	-	-	7.15	2.35	-	-	9.50(3.3-10.7)	2.70(0.90-3.50)	3.52	B
	9	9	-	-	3.30	3.30	-	-	6.60(3.3-7.4)	2.02(0.90-2.50)	3.27	C
	12	9	-	-	3.80	3.30	-	-	7.10(1.7-8.3)	2.35(0.55-3.08)	3.02	D
	14	9	-	-	4.80	3.30	-	-	8.10(3.3-9.3)	2.67(0.90-3.30)	3.03	D
	18	9	-	-	5.87	3.23	-	-	9.10(3.3-10.1)	2.67(0.90-3.40)	3.41	B
	22	9	-	-	6.53	2.87	-	-	9.40(3.3-10.7)	2.67(0.90-3.50)	3.52	B
	24	9	-	-	6.77	2.73	-	-	9.50(3.3-11.0)	2.67(0.90-3.50)	3.56	B
	12	12	-	-	3.80	3.80	-	-	7.60(3.3-8.8)	2.65(0.90-3.30)	2.87	D
	14	12	-	-	4.80	3.80	-	-	8.60(3.3-9.8)	3.06(0.90-3.50)	2.81	D
	18	12	-	-	5.69	3.61	-	-	9.30(3.3-10.3)	2.90(0.90-3.50)	3.21	C
	22	12	-	-	6.37	3.23	-	-	9.60(3.3-11.0)	2.78(0.90-3.50)	3.45	A
	24	12	-	-	6.56	3.04	-	-	9.60(3.3-11.0)	2.68(0.90-3.50)	3.58	B
	14	14	-	-	4.70	4.70	-	-	9.40(3.3-10.3)	2.93(0.90-3.50)	3.21	C
	18	14	-	-	5.33	4.27	-	-	9.60(3.3-11.1)	2.77(0.90-3.50)	3.47	B
	22	14	-	-	5.85	3.75	-	-	9.60(3.3-11.5)	2.65(0.90-3.50)	3.62	A
	24	14	-	-	6.06	3.54	-	-	9.60(4.3-11.5)	2.65(1.02-3.50)	3.62	A
	3 Room	7	7	7	-	2.70	2.70	2.70	-	8.10(1.8-8.8)	2.30(0.55-2.65)	3.52
9		7	7	-	3.30	2.70	2.70	-	8.70(3.3-9.3)	2.60(0.90-2.85)	3.35	C
12		7	7	-	3.80	2.70	2.70	-	9.20(3.3-9.7)	2.83(0.90-3.10)	3.25	C
14		7	7	-	4.15	2.42	2.42	-	9.00(1.8-10.1)	2.66(0.58-3.53)	3.38	C
18		7	7	-	4.86	2.27	2.27	-	9.40(3.3-11.2)	2.46(0.87-3.52)	3.82	A
22		7	7	-	5.28	2.11	2.11	-	9.50(3.3-11.6)	2.43(0.87-3.52)	3.91	A
24		7	7	-	5.44	2.03	2.03	-	9.50(3.3-11.5)	2.47(0.87-3.52)	3.85	A
9		9	7	-	3.30	3.30	2.70	-	9.30(3.3-9.7)	2.80(0.90-3.10)	3.32	C
12		9	7	-	3.56	2.94	2.49	-	9.00(1.8-10.0)	2.69(0.58-3.51)	3.35	C
14		9	7	-	4.00	2.75	2.33	-	9.10(3.3-10.2)	2.64(0.87-3.50)	3.45	B
18		9	7	-	4.66	2.56	2.17	-	9.40(3.3-11.3)	2.45(0.87-3.50)	3.84	A
22		9	7	-	5.13	2.42	2.05	-	9.60(3.3-11.7)	2.41(0.87-3.51)	3.98	A
24		9	7	-	5.29	2.33	1.98	-	9.60(3.3-11.5)	2.46(0.87-3.51)	3.90	A
12		12	7	-	3.33	3.33	2.33	-	9.00(1.8-10.1)	2.66(0.58-3.48)	3.38	C
14		12	7	-	3.80	3.17	2.22	-	9.10(3.3-10.3)	2.62(0.87-3.48)	3.51	A
18		12	7	-	4.45	2.97	2.08	-	9.50(3.3-11.4)	2.44(0.87-3.47)	3.89	A
22		12	7	-	4.87	2.78	1.95	-	9.60(3.3-11.7)	2.40(0.87-3.49)	4.00	A
24		12	7	-	5.03	2.69	1.88	-	9.60(3.3-11.7)	2.45(0.87-3.56)	3.92	A
14		14	7	-	3.60	3.60	2.10	-	9.30(3.3-10.6)	2.59(0.87-3.48)	3.59	B
18		14	7	-	4.19	3.35	1.96	-	9.50(3.7-11.5)	2.42(0.97-3.52)	3.93	A
22		14	7	-	4.60	3.16	1.84	-	9.60(3.7-11.8)	2.40(0.97-3.52)	4.00	A
24		14	7	-	4.77	3.05	1.78	-	9.60(3.3-11.7)	2.45(0.87-3.56)	3.92	A
18		18	7	-	3.89	3.89	1.82	-	9.60(3.7-12.0)	2.40(0.97-3.52)	4.00	A
22		18	7	-	4.25	3.65	1.70	-	9.60(3.7-12.0)	2.40(0.97-3.52)	4.00	A
24		18	7	-	4.42	3.53	1.65	-	9.60(4.3-12.0)	2.40(1.12-3.52)	4.00	A
9		9	9	-	3.00	3.00	3.00	-	9.00(3.3-10.0)	2.69(0.87-3.51)	3.35	C
12		9	9	-	3.39	2.80	2.80	-	9.00(3.3-10.1)	2.67(0.87-3.48)	3.37	C
14		9	9	-	3.87	2.66	2.66	-	9.20(3.3-10.3)	2.63(0.87-3.48)	3.50	B
18		9	9	-	4.52	2.49	2.49	-	9.50(3.7-11.4)	2.44(0.97-3.48)	3.89	A
22		9	9	-	4.94	2.33	2.33	-	9.60(3.7-11.7)	2.41(0.97-3.50)	3.98	A
24		9	9	-	5.11	2.25	2.25	-	9.60(3.7-11.7)	2.45(0.97-3.57)	3.92	A
12		12	9	-	3.22	3.22	2.65	-	9.10(3.3-10.3)	2.65(0.87-3.52)	3.43	B
14		12	9	-	3.69	3.07	2.53	-	9.30(3.3-10.5)	2.61(0.87-3.52)	3.56	B
18		12	9	-	4.29	2.86	2.36	-	9.50(3.7-11.4)	2.43(0.97-3.47)	3.91	A
22		12	9	-	4.70	2.69	2.22	-	9.60(3.7-11.7)	2.40(0.97-3.48)	4.00	A
24		12	9	-	4.86	2.59	2.14	-	9.60(3.7-11.8)	2.44(0.97-3.55)	3.93	A
14		14	9	-	3.46	3.46	2.38	-	9.30(3.7-10.7)	2.58(0.97-3.46)	3.60	B
18		14	9	-	4.04	3.23	2.22	-	9.50(3.7-11.6)	2.41(0.97-3.51)	3.94	A
22		14	9	-	4.45	3.05	2.10	-	9.60(3.7-11.9)	2.40(0.97-3.51)	4.00	A
24		14	9	-	4.62	2.95	2.03	-	9.60(4.3-11.9)	2.42(1.12-3.57)	3.97	A
18	18	9	-	3.76	3.76	2.07	-	9.60(4.3-12.0)	2.40(1.12-3.52)	4.00	A	
22	18	9	-	4.12	3.53	1.94	-	9.60(4.3-12.0)	2.40(1.12-3.52)	4.00	A	
12	12	12	-	3.07	3.07	3.07	-	9.20(3.3-10.3)	2.63(0.87-3.49)	3.50	B	
14	12	12	-	3.49	2.91	2.91	-	9.30(3.3-10.6)	2.59(0.87-3.49)	3.59	B	
18	12	12	-	4.07	2.71	2.71	-	9.40(3.7-11.6)	2.42(0.97-3.52)	3.93	A	
22	12	12	-	4.48	2.56	2.56	-	9.60(3.7-11.9)	2.40(0.97-3.52)	4.00	A	
24	12	12	-	4.65	2.48	2.48	-	9.60(3.7-11.8)	2.43(0.97-3.54)	3.95	A	
14	14	12	-	3.32	3.32	2.76	-	9.40(3.7-10.8)	2.40(0.97-3.50)	3.92	A	
18	14	12	-	3.85	3.08	2.57	-	9.50(3.7-11.6)	2.40(0.97-3.49)	3.96	A	
22	14	12	-	4.25	2.92	2.43	-	9.60(3.7-11.9)	2.40(0.97-3.49)	4.00	A	
24	18	12	-	3.60	3.60	2.40	-	9.60(4.3-12.0)	2.40(1.12-3.52)	4.00	A	
4 Room	7	7	7	7	2.35	2.35	2.35	2.35	9.40(1.8-10.8)	2.58(0.58-3.47)	3.64	A
	9	7	7	7	2.68	2.27	2.27	2.27	9.50(1.8-10.9)	2.57(0.58-3.51)	3.71	A
	12	7	7	7	3.06	2.14	2.14	2.14	9.50(1.8-11.1)	2.56(0.58-3.55)	3.71	A
	14	7	7	7	3.49	2.04	2.04	2.04	9.60(3.3-11.3)	2.50(0.87-3.53)	3.79	A
	18	7	7	7	4.00	1.87	1.87	1.87	9.60(3.3-12.0)	2.40(0.87-3.56)	4.00	A
	22	7	7	7	4.37	1.75	1.75	1.75	9.60(3.3-12.0)	2.40(0.87-3.56)	4.00	A
	9	9	7	7	2.57	2.57	2.18	2.18	9.50(3.3-10.9)	2.56(0.87-3.44)	3.71	A
	12	9	7	7	2.95	2.43	2.06	2.06	9.50(3.3-11.1)	2.55(0.87-3.54)	3.73	A
	14	9	7	7	3.36	2.31	1.96	1.96	9.60(3.3-11.4)	2.53(0.87-3.54)	3.79	A
	18	9	7	7	3.87	2.13	1.80	1.80	9.60(3.7-12.0)	2.40(0.97-3.55)	4.00	A
	22	9	7	7	4.23	1.99	1.69	1.69	9.60(3.7-12.0)	2.40(0.97-3.55)	4.00	A
	12	12	7	7	2.82	2.82	1.98	1.98	9.60(3.3-11.3)	2.54(0.87-3.57)	3.78	A
	14	12	7	7	3.20	2.67	1.87	1.87	9.60(3.3-11.5)	2.51(0.87-3.58)	3.82	A
	18	12	7	7	3.69	2.46	1.72	1.72	9.60(3.7-12.0)	2.40(0.97-3.58)	4.00	A
	22	12	7	7	4.05	2.31	1.62	1.62	9.60(3.7-12.0)	2.40(0.97-3.58)	4.00	A
	14	14	7	7	3.03	3.03	1.77	1.77	9.60(3.7-11.8)	2.49(0.97-3.58)	3.86	A
	18	14	7	7	3.51	2.81	1.64	1.64	9.60(3.7-12.0)	2.40(0.97-3.56)	4.00	A
	9	9	9	7	2.47	2.47	2.09	2.09	9.50(3.3-11.2)	2.55(0.87-3.54)	3.73	A
	12	9	9	7	2.87	2.36	2.36	2.01	9.60(3.3-11.3)	2.54(0.87-3.58)	3.78	A
	14	9	9	7	3.25	2.23	2.23	1.89	9.60(3.7-11.5)	2.52(0.97-3.58)	3.81	A
	18	9	9	7	3.74	2.06	2.06	1.75	9.60(3.7-12.0)	2.40(0.97-3.58)	4.00	A
	22	9	9	7	4.10	1.93	1.93	1.64	9.60(3.7-12.0)	2.40(0.97-3.58)	4.00	A
	12	12	9	7	2.72	2.72	2.25	1.91	9.60(3.3-11.4)	2.53(0.87-3.58)	3.79	A
	14	12	9	7	3.09	2.58	2.13	1.80	9.60(3.7-11.6)	2.50(0.97-3.58)	3.84	A
	18	12	9	7	3.58	2.39	1.97	1.67	9.60(3.7-12.0)	2.40(0.97-3.58)	4.00	A
	14	14	9	7								