Airwell

Airwell Selection SW

Tel:

Fax:

Kaldo 20-02-2017

Writer:

2017-02-08

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1. Material List

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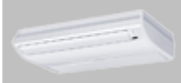
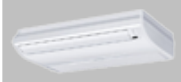
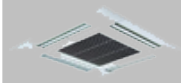
Picture	Model	Memo	Unit	Qty.	Unit Price($)	Sum Price($)	Power Type	Rated Cooling Capacity (kW)	Total Cooling Capacity (kW)
	AWSI-CCV048-N11	Indoor unit	set	2	0	0	1,220~230, 50/60	14	28
	AWSI-FAV024-N11	Indoor unit	set	12	0	0	1,220~230, 50/60	7,1	85,2
	AWSI-FAV018-N11	Indoor unit	set	3	0	0	1,220~230, 50/60	5,6	16,8
	YCV1350-H13	Outdoor Unit	set	1	0	0	3,380-400,50/60	135	135
	PB-950JB	Panel	set	2	0	0		0	0
	FQG-B2040A	Branch Pipe	set	1	0	0		0	0

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Picture	Model	Memo	Unit	Qty.	Unit Price($)	Sum Price($)	Power Type	Rated Cooling Capacity (kW)	Total Cooling Capacity (kW)
	TAU1350	Branch Pipe	set	3	0	0		0	0
	TAU335	Branch Pipe	set	12	0	0		0	0
	TAU506	Branch Pipe	set	1	0	0		0	0
	TAS30	Gather Pipe	set	2	0	0		0	0
	AH1-280A	AHU Valve Box 280A	set	1	0	0		0	0
Total						0			265

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2. Room List

Name	Area(m²)	Type	Cooling Design Load(kW)	Cooling Actual Load(kW)	Heating Design Load(kW)	Heating Actual Load(kW)	Qty.

3. System Construction

3.1 System1--ODU1

3.1.1 ODU

YCV1350-H13			Running Condition			
Max. Combination	120%		Temperature			
Actual Combination	117%		Cooling		Heating	
Cooling Capacity (Corrected/Rated)	102,89/135kW		Ind.WB	0°C	Ind.DB	20°C
Heating Capacity (Corrected/Rated)	117,24/150kW		Out.DB	23°C	Out.WB	-4,8°C
Power Supply	3,380-400,50/60		Length And Drop			
Dimensions			Max.Len.	0m	Max.Drop	0m
Width	/mm					
Height	/mm					
Depth	/mm					
Weight	1104Kg					

Picture	Model	Width(mm)	Height(mm)	Depth(mm)	MCA(A)	MFA(A)
	AWAU-YCV450-H13	750	1390	1808	33,3	40
	AWAU-YCV450-H13	750	1390	1808	33,3	40
	AWAU-YCV450-H13	750	1390	1808	33,3	40

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3.1.2 IDU

Picture	Name	Model	Cooling Capacity(Corrected/Rated)(kW)	Heating Capacity(Corrected/Rated)(kW)	Size_HWD (mm)	Weight (Kg)	Controller	MCA(A)	MFA(A)
	IDU2	AWSI-CCV048-N11	14,68/14	13,63/16	840*840*295	38	RWV01	1,38	4,4
	IDU3	AWSI-CCV048-N11	14,68/14	13,63/16	840*840*295	38	RWV01	1,38	4,4
	IDU4	AWSI-FAV024-N11	7,48/7,1	6,81/8	990*655*199	28,3	RWV01	0,64	2,04
	IDU5	AWSI-FAV024-N11	7,48/7,1	6,81/8	990*655*199	28,3	RWV01	0,64	2,04
	IDU6	AWSI-FAV024-N11	7,48/7,1	6,81/8	990*655*199	28,3	RWV01	0,64	2,04
	IDU7	AWSI-FAV024-N11	7,48/7,1	6,81/8	990*655*199	28,3	RWV01	0,64	2,04

Picture	Name	Model	Cooling Capacity(Corrected/Rated)(kW)	Heating Capacity(Corrected/Rated)(kW)	Size_HWD (mm)	Weight (Kg)	Controller	MCA(A)	MFA(A)
	IDU8	AWSI-FAV024-N11	7,48/7,1	6,81/8	990*655*199	28,3	RWV01	0,64	2,04
	IDU9	AWSI-FAV024-N11	7,48/7,1	6,81/8	990*655*199	28,3	RWV01	0,64	2,04
	IDU10	AWSI-FAV024-N11	7,48/7,1	6,81/8	990*655*199	28,3	RWV01	0,64	2,04
	IDU11	AWSI-FAV024-N11	7,48/7,1	6,81/8	990*655*199	28,3	RWV01	0,64	2,04
	IDU12	AWSI-FAV024-N11	7,48/7,1	6,81/8	990*655*199	28,3	RWV01	0,64	2,04
	IDU13	AWSI-FAV024-N11	7,48/7,1	6,81/8	990*655*199	28,3	RWV01	0,64	2,04

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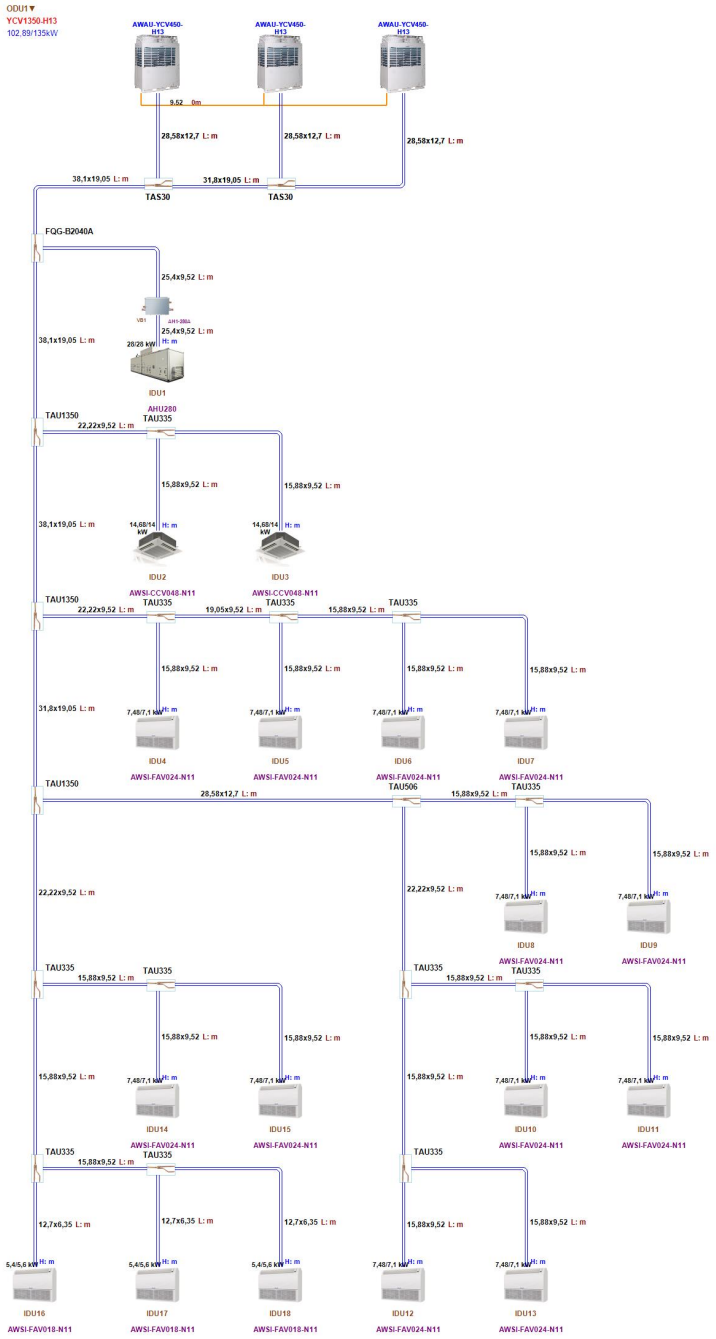
Picture	Name	Model	Cooling Capacity(Corrected/Rated)(kW)	Heating Capacity(Corrected/Rated)(kW)	Size_HWD (mm)	Weight (Kg)	Controller	MCA(A)	MFA(A)
	IDU14	AWSI-FAV024-N11	7,48/7,1	6,81/8	990*655*199	28,3	RWV01	0,64	2,04
	IDU15	AWSI-FAV024-N11	7,48/7,1	6,81/8	990*655*199	28,3	RWV01	0,64	2,04
	IDU16	AWSI-FAV018-N11	5,4/5,6	5,41/6,3	990*655*199	28,3	RWV01	0,64	2,04
	IDU17	AWSI-FAV018-N11	5,4/5,6	5,41/6,3	990*655*199	28,3	RWV01	0,64	2,04
	IDU18	AWSI-FAV018-N11	5,4/5,6	5,41/6,3	990*655*199	28,3	RWV01	0,64	2,04

3.1.3 Piping


ODU1▼
YCV1350-H13
102,89/135kW
AWAU-YCV450-H13
AWAU-YCV450-H13
AWAU-YCV450-H13
9,52 0m
28,58x12,7 L: m
28,58x12,7 L: m
28,58x12,7 L: m
38,1x19,05 L: m
31,8x19,05 L: m
TAS30
TAS30
FQG-B2040A
25,4x9,52 L: m
25,4x9,52 L: m
38,1x19,05 L: m
28/25 kW
IDU1
AHU280
TAU1350
22,22x9,52 L: m
TAU335
15,88x9,52 L: m
15,88x9,52 L: m
38,1x19,05 L: m
14,68/14 kW
IDU2
AWSI-CCV048-N11
IDU3
AWSI-CCV048-N11
TAU1350
22,22x9,52 L: m
TAU335
19,05x9,52 L: m
TAU335
15,88x9,52 L: m
TAU335
15,88x9,52 L: m
15,88x9,52 L: m
15,88x9,52 L: m
15,88x9,52 L: m
31,8x19,05 L: m
7,48/7,1 kW
IDU4
AWSI-FAV024-N11
IDU5
AWSI-FAV024-N11
IDU6
AWSI-FAV024-N11
IDU7
AWSI-FAV024-N11
TAU1350
28,58x12,7 L: m
TAU506
15,88x9,52 L: m
TAU335
15,88x9,52 L: m
15,88x9,52 L: m
22,22x9,52 L: m
22,22x9,52 L: m
IDU8
AWSI-FAV024-N11
IDU9
AWSI-FAV024-N11
TAU335
15,88x9,52 L: m
TAU335
TAU335
15,88x9,52 L: m
TAU335
15,88x9,52 L: m
15,88x9,52 L: m
15,88x9,52 L: m
15,88x9,52 L: m
15,88x9,52 L: m
15,88x9,52 L: m
IDU14
AWSI-FAV024-N11
IDU15
AWSI-FAV024-N11
IDU10
AWSI-FAV024-N11
IDU11
AWSI-FAV024-N11
TAU335
15,88x9,52 L: m
TAU335
TAU335
12,7x6,35 L: m
12,7x6,35 L: m
12,7x6,35 L: m
15,88x9,52 L: m
15,88x9,52 L: m
5,4/5,6 kW
IDU16
AWSI-FAV018-N11
5,4/5,6 kW
IDU17
AWSI-FAV018-N11
5,4/5,6 kW
IDU18
AWSI-FAV018-N11
7,48/7,1 kW
IDU12
AWSI-FAV024-N11
7,48/7,1 kW
IDU13
AWSI-FAV024-N11

Pipes Length and Drop

Length Piping Rules	Current	Max
Max.Length between ODU and frist branch pipe	0 m	135 m
Max.Length between the frist branch pipe and each IDU	0 m	40 m
Max.Length between ODU and furthest IDU	0 m	175 m
Total Length of all pipes	0 m	300 m
Height Piping Rules	**Current**	**Max**
Max.Drop between ODU and IDU(ODU higher)	/	50 m
Max.Drop between ODU and IDU(IDU higher)	/	40 m
Max.Drop between IDUS	0 m	15 m
Max.Drop between Valve Box	/	/

Refrigerant Charged	
Initial Refrigerant Charged:	30 Kg
To be Provided:	0 Kg
Total	**30 Kg**

3.1.4 Wiring

4.Central Control