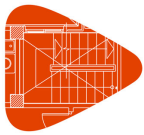


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Project:  
Location:  
Developer:

## 1.- SISTEMA IZQUIERDO

### 1.1.- Project Compliance

Checks	Design	Specification	Meets the requirements
Permitted capacity ratio	112 %	50 % - 130 %	✓
Connected indoor units	3	2 - 7	✓
Total pipe length	19.32 m	80.00 m	✓
Pipe length between the outdoor unit and furthest indoor unit	14.72 m	50.00 m	✓
Minimum pipe length between the outdoor unit and the closest indoor unit	8.72 m	5.00 m	✓
Pipe length to the furthest indoor unit, from the first branch	8.30 m	40.00 m	✓
Difference in height between indoor and outdoor units	3.00 m	30.00 m	✓
Difference in height between indoor units	0.00 m	15.00 m	✓

### 1.2.- Equipment List

#### Outdoor units

Model	Overview	Quantity
AJY040LCLAH	Outdoor unit, heat pump (2 pipe)	1

#### Indoor units

Model	Overview	Quantity
ABYA14G	4500 W Floor-standing	3

#### Y joints

Model	Overview	Quantity
UTP-AX054A	Y branch	2

#### Tube length

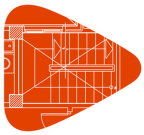
Pipe Diameter	Gas side (m)	Discharge side (m)	Liquid side (m)	Total length (m)
Ø6.35 mm (1/4")	0	0	9.9	9.9
Ø9.52 mm (3/8")	0	0	9.42	9.42
Ø12.7 mm (1/2")	9.9	0	0	9.9
Ø15.88 mm (5/8")	9.42	0	0	9.42

### 1.3.- Details

#### Outdoor Unit Models

Model	Header	Follower 1	Follower 2	Refrigerant (Kg)			Total
				Type	Standard factory refrigerant charge	Extra refrigerant charge	
AJY040LCLAH				R410A	4.00	0.75	4.75

#### Outdoor unit



Project:  
Location:  
Developer:

Model	Heating (W)		Cooling (W)		Diversity (%) System
	Nominal	Corrected	Nominal	Corrected	
AJY040LCLAH	13600	12798	12100	10995	111.6

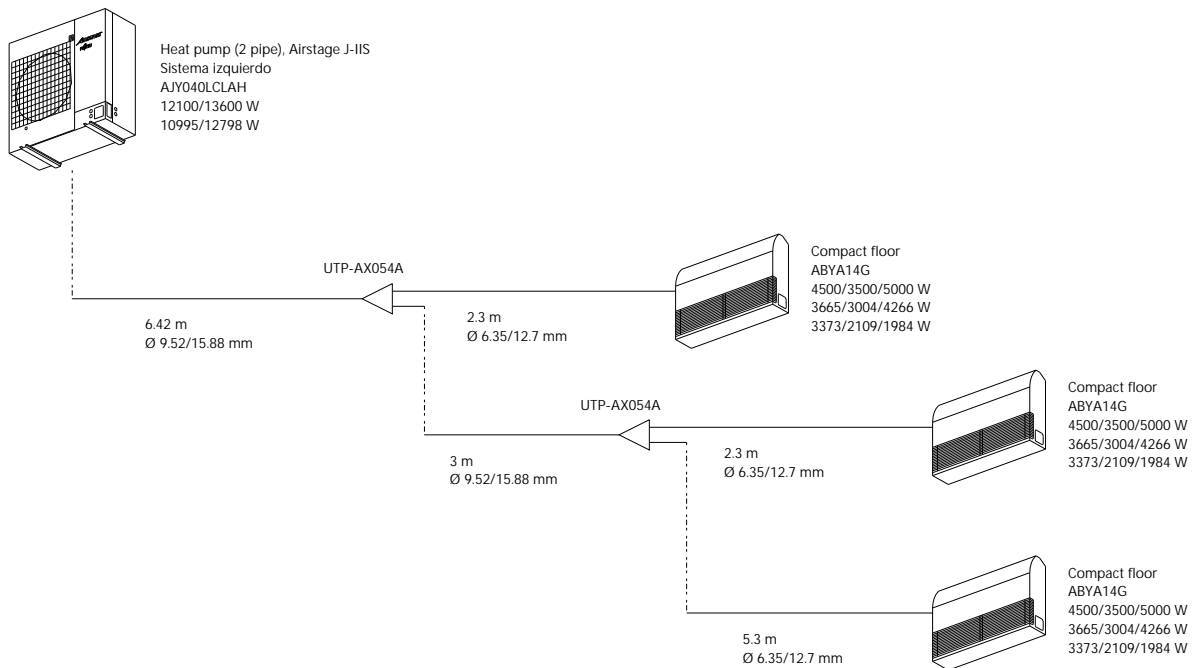
### Outdoor Design Temperature

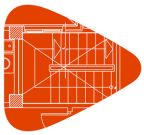
Mode	Overview	Temperature (°C)
Cooling	Dry bulb temperature	36.1
Heating	Wet bulb temperature	2.6

### Indoor units

Model	Unit Name & Space	Capacity Code	Mode	Capacity (Total/Sensible) (W)		
				Nominal	Corrected	Required
ABYA14G		4500.0HP	Cooling	4500/3500	3665/3004	3373/2109
			Heating	5000	4266	1984
ABYA14G		4500.0HP	Cooling	4500/3500	3665/3004	3373/2109
			Heating	5000	4266	1984
ABYA14G		4500.0HP	Cooling	4500/3500	3665/3004	3373/2109
			Heating	5000	4266	1984

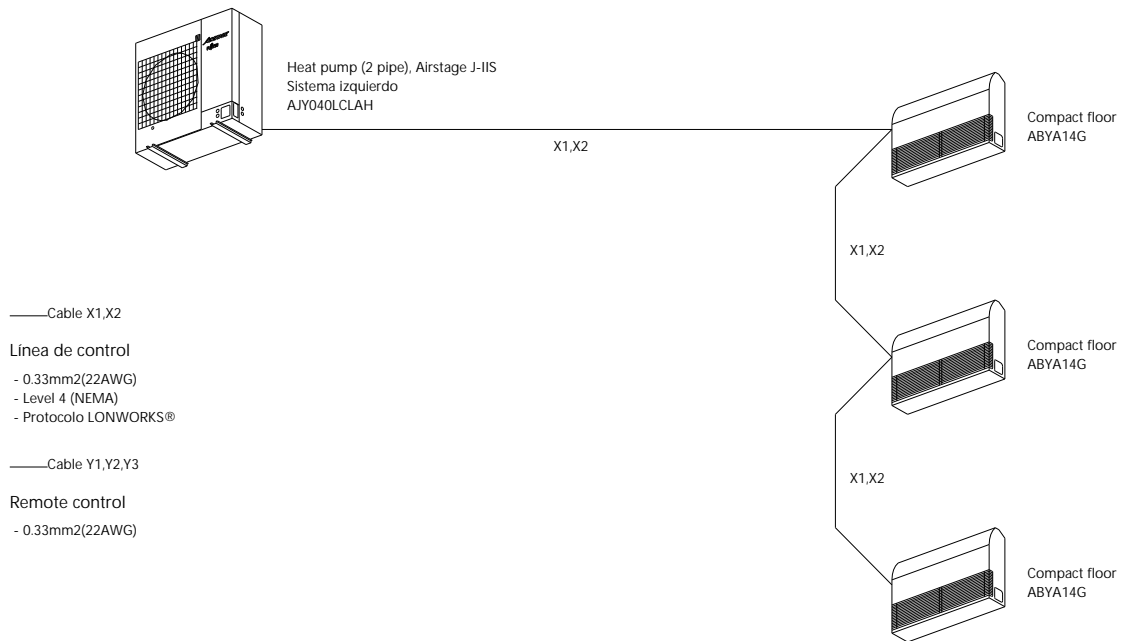
### 1.4.- Schema

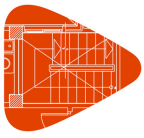




Project:  
Location:  
Developer:

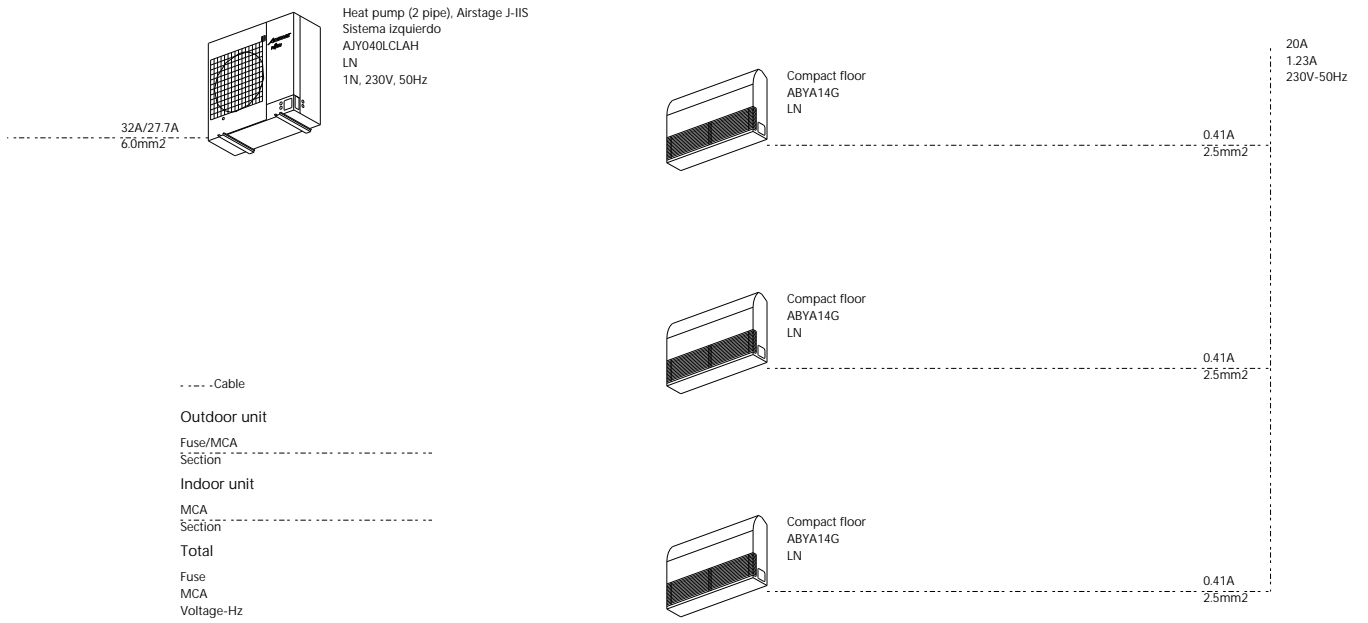
## 1.5.- Esquema de control

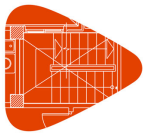




Project:  
Location:  
Developer:

## 1.6.- Wiring diagram





Project:  
Location:  
Developer:

## 2.- SISTEMA DERECHO

### 2.1.- Project Compliance

Checks	Design	Specification	Meets the requirements
Permitted capacity ratio	129 %	50 % - 130 %	✓
Connected indoor units	4	2 - 8	✓
Total pipe length	16.27 m	80.00 m	✓
Pipe length between the outdoor unit and furthest indoor unit	14.64 m	50.00 m	✓
Minimum pipe length between the outdoor unit and the closest indoor unit	5.64 m	5.00 m	✓
Pipe length to the furthest indoor unit, from the first branch	9.54 m	40.00 m	✓
Difference in height between indoor and outdoor units	0.70 m	30.00 m	✓
Difference in height between indoor units	0.00 m	15.00 m	✓

### 2.2.- Equipment List

#### Outdoor units

Model	Overview	Quantity
AJY045LCLAH	Outdoor unit, heat pump (2 pipe)	1

#### Indoor units

Model	Overview	Quantity
ABYA14G	4500 W Ceiling	4

#### Y joints

Model	Overview	Quantity
UTP-AX054A	Y branch	3

#### Tube length

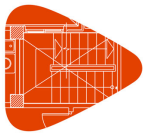
Pipe Diameter	Gas side (m)	Discharge side (m)	Liquid side (m)	Total length (m)
Ø6.35 mm (1/4")	0	0	5.17	5.17
Ø9.52 mm (3/8")	0	0	11.1	11.1
Ø12.7 mm (1/2")	5.17	0	0	5.17
Ø15.88 mm (5/8")	11.1	0	0	11.1

### 2.3.- Details

#### Outdoor Unit Models

Model	Header	Follower 1	Follower 2	Refrigerant (Kg)			Total
				Type	Standard factory refrigerant charge	Extra refrigerant charge	
AJY045LCLAH				R410A	4.00	0.75	4.75

#### Outdoor unit



Project:  
Location:  
Developer:

Model	Heating (W)		Cooling (W)		Diversity (%) System
	Nominal	Corrected	Nominal	Corrected	
AJY045LCLAH	16000	15131	14000	14496	128.6

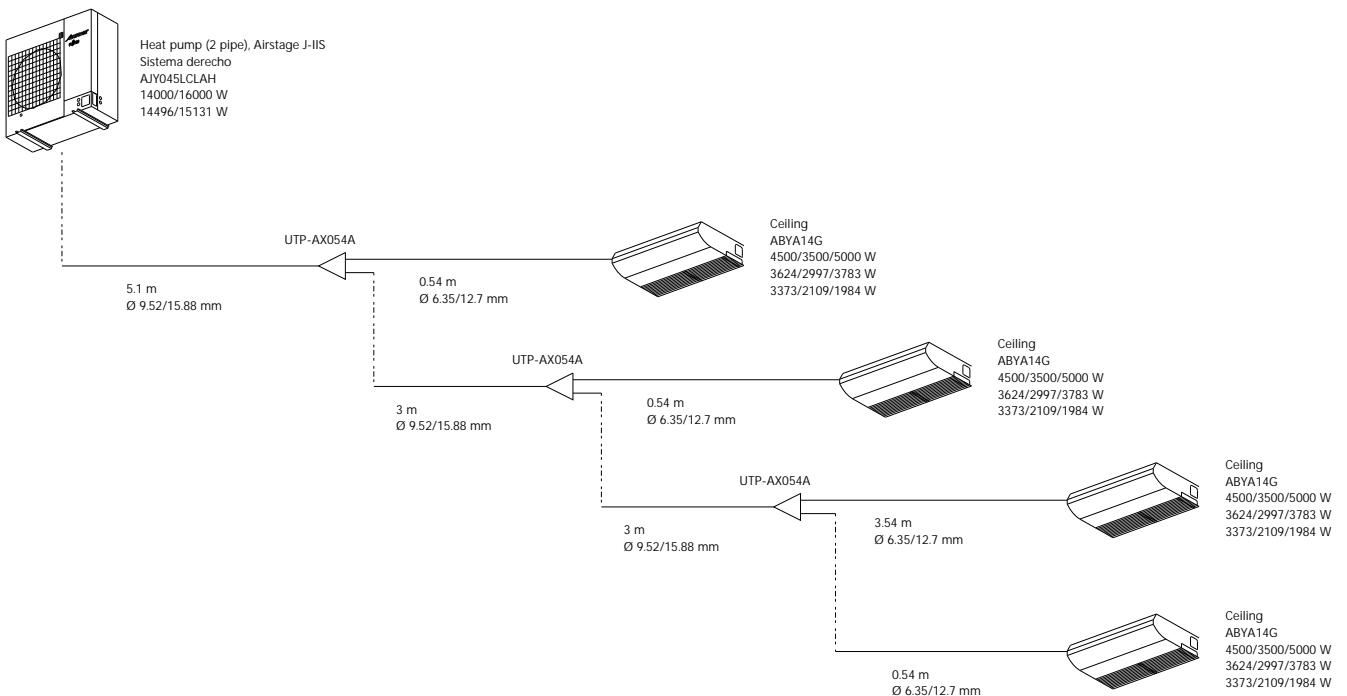
### Outdoor Design Temperature

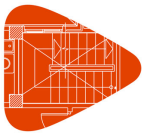
Mode	Overview	Temperature (°C)
Cooling	Dry bulb temperature	36.1
Heating	Wet bulb temperature	2.6

### Indoor units

Model	Unit Name & Space	Capacity Code	Mode	Capacity (Total/Sensible) (W)		
				Nominal	Corrected	Required
ABYA14G		4500.0HP	Cooling	4500/3500	3624/2997	3373/2109
			Heating	5000	3783	1984
ABYA14G		4500.0HP	Cooling	4500/3500	3624/2997	3373/2109
			Heating	5000	3783	1984
ABYA14G		4500.0HP	Cooling	4500/3500	3624/2997	3373/2109
			Heating	5000	3783	1984
ABYA14G		4500.0HP	Cooling	4500/3500	3624/2997	3373/2109
			Heating	5000	3783	1984

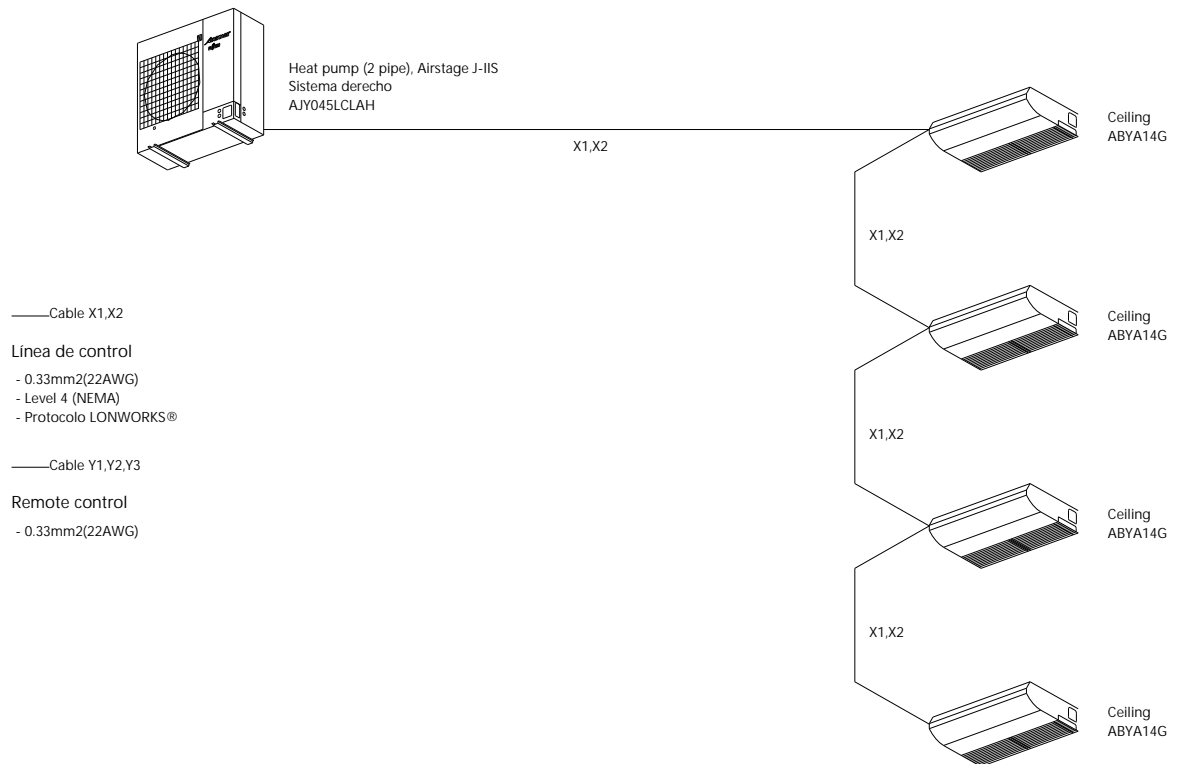
## 2.4.- Schema



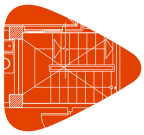


Project:  
Location:  
Developer:

## 2.5.- Esquema de control







Project:  
Location:  
Developer:

## 2.6.- Wiring diagram

