

Project Name: Městský úřad Sokolov – klimatizace

Created Date: 27.05.2024

Client Name: Město Sokolov

Prepared By:

Ing. Milan Snopek

Project Ref No:

Project Ref Text:

Project Revision:



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Project Name:	Městský úřad Sokolov – klimatizace
Quote No:	0
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Revision:	0
Site Name:	
Contact:	
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Email:	
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Comment:	

Městský úřad Sokolov – klimatizace

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Project: Městský úřad Sokolov – klimatizace

Notes: Equivalent length is calculated by coefficients:
1,0:1.PP-A1
The user is responsible for ensuring that all data entered is correct.
Equipment selections have been based on the Design Guidelines stated within the Toshiba SHRM-A/SMMS-u/SMMS-e/SHRM-e/MiNi-SMMS-e/Side Blow VRF Installation Manual.
It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation.
Please note that in the event of future system expansion being allowed for in the system design or a change in cooling/heating requirements, a re-evaluation of the air conditioning system must be made prior to final installation.

1.PP-A1:

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Městský úřad Sokolov – klimatizace**Outdoor Units**

Model	Quantity	Description
MCY-MHP0806HS8-E	1	MiNi Super Modular Multi System (MiNi-SMMS-e)(8,10HP)

Indoor Units

Model	Quantity	Description
MMK-UP0051HP-E	11	0,6HP High Wall Standard

Y Joints

Model	Quantity	Description
RBM-BY105E	1	Y-Joint
RBM-BY55E	9	Y-Joint

Accessories

Model	Quantity	Description
TCB-PCMO4E (External master ON/OFF control)	1	External master ON/OFF control

Piping Length

Pipe Diameter	Total Length	Gas Side	Discharge Side	Liquid Side
6,4mm	40,67 m	0,00 m	0,00 m	40,67 m
9,5mm	85,39 m	40,67 m	0,00 m	44,72 m
12,7mm	4,69 m	4,69 m	0,00 m	0,00 m
15,9mm	17,78 m	17,78 m	0,00 m	0,00 m
19,1mm	22,26 m	22,26 m	0,00 m	0,00 m

Total Refrigerant Charge Amount

Refrigerant (R410A)	Amount	Description
Outdoor Unit	4,400 kg	Refrigerant amount charged in factory
Additional Refrigerant	5,776 kg	Amount needed for the pipes at the site
TOTAL:	10,176 kg	

Outdoor Design Temperature

System	Mode	Description	Temperature
1.PP-A1	Cooling	Dry Bulb temperature	30,0 °C
	Heating	Wet Bulb temperature	6,0 °C

Městský úřad Sokolov – klimatizace Compliance

1.PP-A1

Rules	Specification	Design	Ok
Outdoor Units	-	1 Unit	✓
Indoor Units (Control Boards)	12 Unit	11 Unit	✓
Outdoor Combined Rated HP	-	8,0 HP	✓
Outdoor Combined Rated Cooling	-	22,40 kW	✓
Outdoor Combined Rated Heating	-	22,40 kW	✓
Indoor Combined Rated Cooling	-	18,70 kW	✓
Indoor Combined Corrected Cooling	-	17,37 kW	✓
Indoor Combined Rated Heating	-	20,90 kW	✓
Indoor Combined Corrected Heating	-	20,21 kW	✓
Indoor Units Combined Capacity Code	-	6,60	✓
Outdoor Combined Capacity Code	-	8,0	✓
Outdoor DB (Cooling) temperature range	-5,0°C - 46,0°C	30,0°C	✓
Outdoor WB (Heating) temperature range	-20,0°C - 15,5°C	6,0°C	✓
Indoor DB (Cooling) temperature range	18,0°C - 32,0°C	24,0°C	✓
Indoor WB (Cooling) temperature range	15,0°C - 24,0°C	19,0°C	✓
Indoor RH (Cooling) range	20% - 80%	62%	✓
Indoor DB (Heating) temperature range	15,0°C - 28,0°C	20,0°C	✓
Capacity Ratio	80 - 130%	82,5 %	✓
Total Pipe Length	300,00 m	85,39 m	✓
Farthest Piping Real Length	150,00 m	46,43 m	✓
Farthest Piping Equivalent Length	180,00 m	46,43 m	✓
Farthest Piping From 1st Indoor Branching Equivalent Length	40,00 m	24,17 m	✓
Main Piping Equivalent Length(L1e)	80,00 m	22,26 m	✓
Greatest Indoor Unit Connecting Piping Real Length	15,00 m	11,80 m	✓
Highest Indoor Unit	30,00 m	3,90 m	✓
Lowest Indoor Unit	50,00 m	3,90 m	✓
Greatest Height Between Indoor and Outdoor Units(H1)	-	3,90 m	✓
Greatest Height Difference Between Indoor Units(H2)	15,00 m	0,00 m	✓
Limit Density	0,390 kg/m³	0,223 kg/m³	✓
Additional Charge	-	5,776 kg	✓
Total Charge	-	10,176 kg	✓
Central Control			✓

Overall

✓

1.PP-A1

Outdoor Units

Model	Quantity	Description
MCY-MHP0806HS8-E	1	MiNi Super Modular Multi System (MiNi-SMMS-e)(8,10HP)

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RBM-BY55E	9	Y-Joint

Accessories

Model	Quantity	Description
TCB-PCMO4E	1	External master ON/OFF control

Piping Length

Pipe Diameter	Total Length	Gas Side	Discharge Side	Liquid Side
6,4mm	40,67 m	0,00 m	0,00 m	40,67 m
9,5mm	85,39 m	40,67 m	0,00 m	44,72 m
12,7mm	4,69 m	4,69 m	0,00 m	0,00 m
15,9mm	17,78 m	17,78 m	0,00 m	0,00 m
19,1mm	22,26 m	22,26 m	0,00 m	0,00 m

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TOTAL:	10,176 kg	

Outdoor Design Temperature

Mode	Description	Temperature
Cooling	Dry Bulb temperature	30,0 °C
Heating	Wet Bulb temperature	6,0 °C

Electrical Information(OutdoorUnits)

Property	Value	Description
MOCP(A)	20	Maximum Overcurrent Protection
MCA(A)	17	Minimum Circuit Amps
Protection Device Size(A)		Follow applicable local standard as needed
Wire(cable size)(mm ²) or AWG(#)		Follow applicable local standard as needed

Electrical Information(IndoorUnits)

Property	Value	Description
Total MCA(A)	2,31	
Protection Device Size(A)		Follow applicable local standard as needed
Wire(cable size)(mm ²) or AWG(#)		Follow applicable local standard as needed

1.PP-A1

Outdoor Unit

Model Name	Cooling (kW)		Heating (kW)		Diversity	
	Rated	Corrected	Rated	Corrected	System	Building
MCY-MHP0806HS8-E	22,40	21,13	22,40	21,40	82,5%	0%

Outdoor Unit Combination

Header	Follower1	Follower2	Follower3	Follower4
MCY-MHP0806HS8-E				

Indoor Units

Model Name	UnitName &Room	Capacity Code	Fan Speed Air flow (m³/h)	Capacity (Total/Sensible) [kW]			
				Mode	Rated	Corrected	Required
MMK-UP0051HP-E	A.0.14	0,6	High	Cooling	1,70/1,50	1,62/1,35	0,00/0,00
				Heating	1,90	1,86	0,00
MMK-UP0051HP-E	A.0.01	0,6	High	Cooling	1,70/1,50	1,59/1,33	0,00/0,00
				Heating	1,90	1,84	0,00
MMK-UP0051HP-E	A.0.02	0,6	High	Cooling	1,70/1,50	1,61/1,35	0,00/0,00
				Heating	1,90	1,86	0,00
MMK-UP0051HP-E	A.0.03	0,6	High	Cooling	1,70/1,50	1,61/1,35	0,00/0,00
				Heating	1,90	1,85	0,00
MMK-UP0051HP-E	A.0.04	0,6	High	Cooling	1,70/1,50	1,59/1,33	0,00/0,00
				Heating	1,90	1,85	0,00
MMK-UP0051HP-E	A.0.05	0,6	High	Cooling	1,70/1,50	1,59/1,33	0,00/0,00
				Heating	1,90	1,84	0,00
MMK-UP0051HP-E	A.0.07	0,6	High	Cooling	1,70/1,50	1,57/1,31	0,00/0,00
				Heating	1,90	1,83	0,00
MMK-UP0051HP-E	A.0.13.a+b	0,6	High	Cooling	1,70/1,50	1,56/1,30	0,00/0,00
				Heating	1,90	1,82	0,00
MMK-UP0051HP-E	A.0.12	0,6	High	Cooling	1,70/1,50	1,55/1,30	0,00/0,00
				Heating	1,90	1,82	0,00
MMK-UP0051HP-E	A.0.08	0,6	High	Cooling	1,70/1,50	1,55/1,30	0,00/0,00
				Heating	1,90	1,82	0,00
MMK-UP0051HP-E	A.0.12	0,6	High	Cooling	1,70/1,50	1,54/1,29	0,00/0,00
				Heating	1,90	1,82	0,00

Floor Information

Floors	Room Name	Indoor Units		Design Conditions			
		Name	Model	Mode	DB[°C]	WB[°C]	RH[%]
1.PP	A.0.01		MMK-UP0051HP-E	Cooling	24,0	19,0	62,00
				Heating	20,0		
	A.0.02		MMK-UP0051HP-E	Cooling	24,0	19,0	62,00
				Heating	20,0		
	A.0.03		MMK-UP0051HP-E	Cooling	24,0	19,0	62,00
				Heating	20,0		
	A.0.04		MMK-UP0051HP-E	Cooling	24,0	19,0	62,00
				Heating	20,0		
	A.0.05		MMK-UP0051HP-E	Cooling	24,0	19,0	62,00
				Heating	20,0		
	A.0.07		MMK-UP0051HP-E	Cooling	24,0	19,0	62,00
				Heating	20,0		
	A.0.08		MMK-UP0051HP-E	Cooling	24,0	19,0	62,00
				Heating	20,0		

Floor Information

Floors	Room Name	Indoor Units		Mode	Design Conditions		
		Name	Model		DB[°C]	WB[°C]	RH[%]
	A.0.12		MMK-UP0051HP-E	Cooling	24,0	19,0	62,00
				Heating	20,0		
	A.0.13.a+b		MMK-UP0051HP-E	Cooling	24,0	19,0	62,00
				Heating	20,0		
	A.0.14		MMK-UP0051HP-E	Cooling	24,0	19,0	62,00
				Heating	20,0		

1.PP-A1

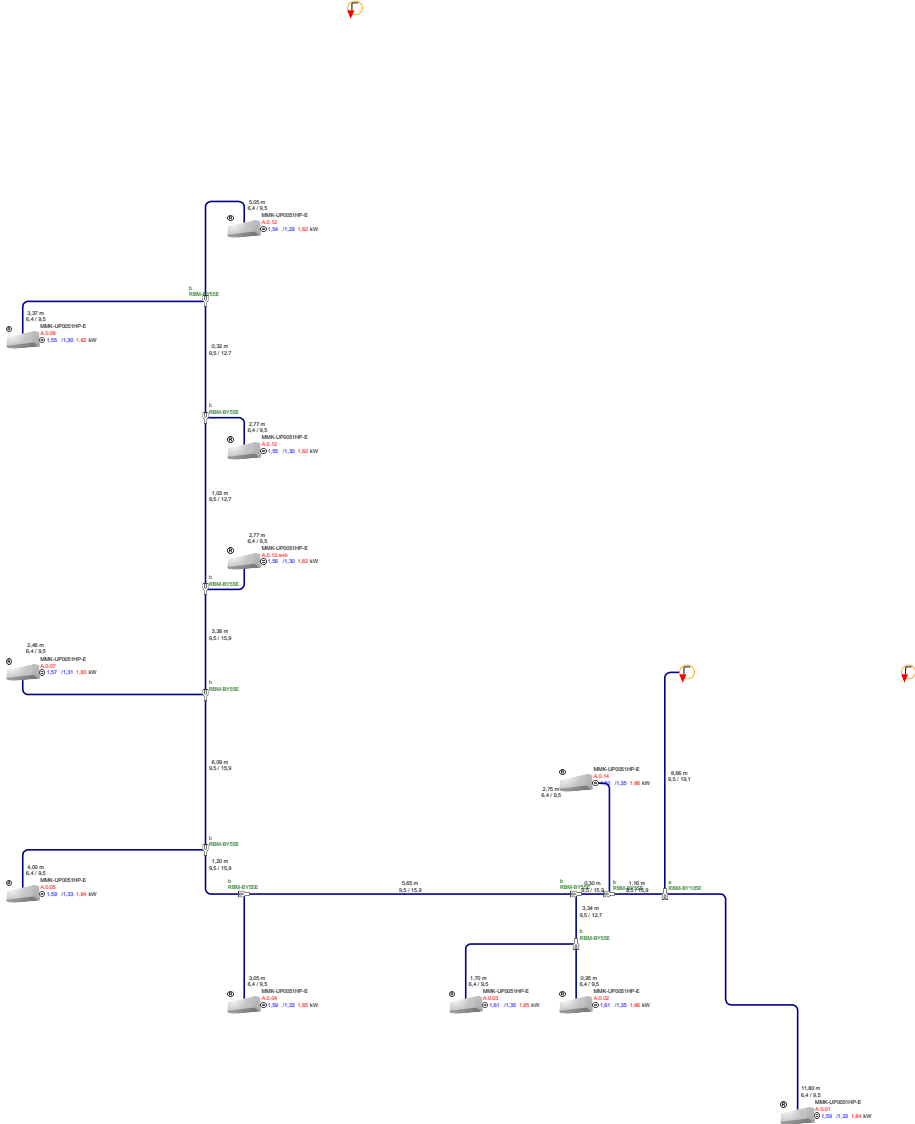
Floor: 1.PP Elevation: Above Outdoor Unit 3,90m

System information	
Indoor Units	11 of 12
Capacity Ratio	82,5%
Total Pipe Length	81,49 m
Indoor Cap. Tot./Sen.	17,37 kW/14,54 kW
Indoor Cap. Heat.	20,21 kW
Building diversity	0%

Outdoor/Indoor Legend	
Unit Name	
Model Name	
Room Name	
⊖ Corrected capacity	Tot./Sens./ Heat.

Piping Legend	
Actual Length	
Liquid / Suction Gas diameters	
Note: It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation.	

Branches Legend		
a	RBM-BY105E	(x1)
b	RBM-BY55E	(x9)



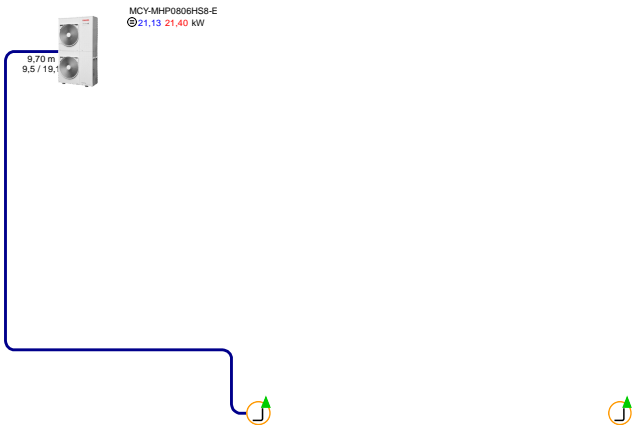
1.PP-A1
Floor: 1.S Elevation: 0,00m

System information	
Indoor Units	11 of 12
Capacity Ratio	82,5%
Total Pipe Length	81,49 m
Indoor Cap. Tot./Sen.	17,37 kW/14,54 kW
Indoor Cap. Heat.	20,21 kW
Building diversity	0%

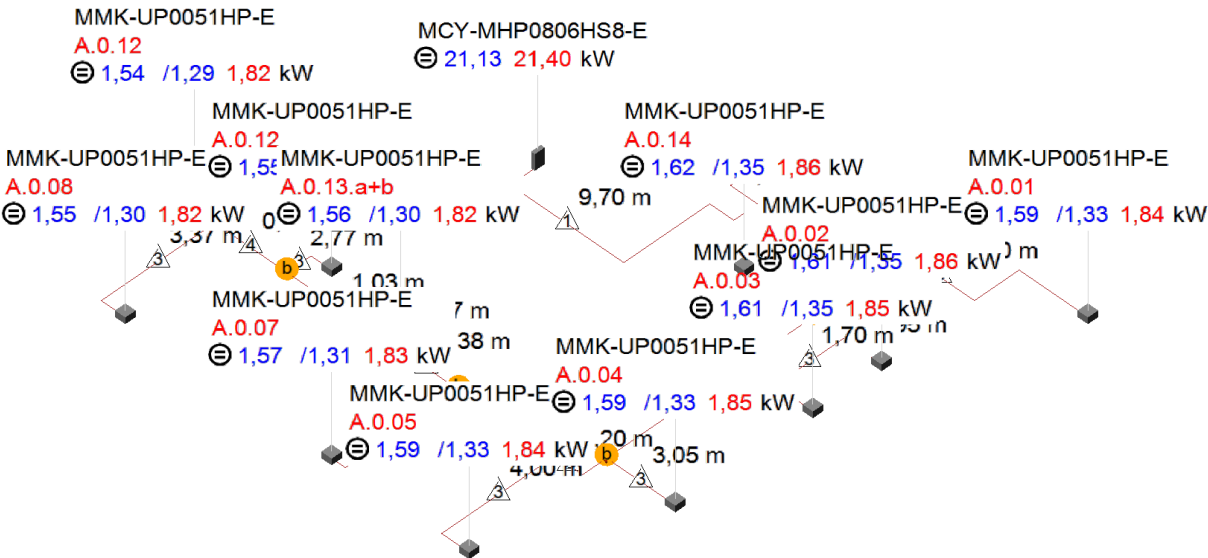
Outdoor/Indoor Legend	
Unit Name	
Model Name	
Room Name	
⊖ Corrected capacity	Tot./Sens./ Heat.

Piping Legend	
Actual Length	
Liquid / Suction Gas diameters	
Note: It is the responsibility of the consultant or contractor, to verify and confirm that the equipment selection and system design is correct before installation.	

Branches Legend		
a	RBM-BY105E	(x1)
b	RBM-BY55E	(x9)



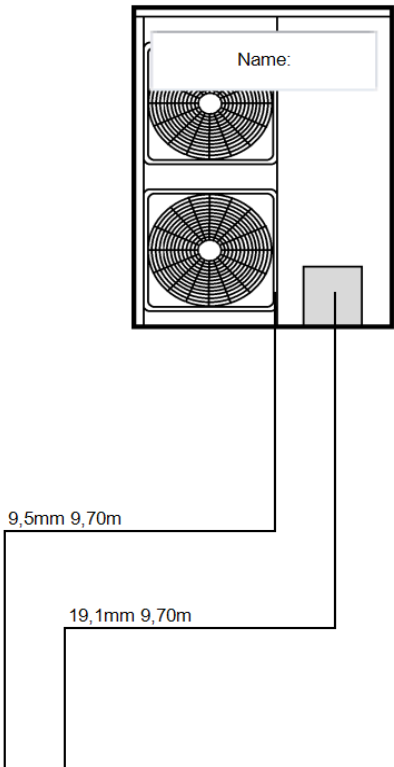
a	RBM-BY105E	(x1)
b	RBM-BY55E	(x9)
1	9,5mm 19,1mm	
2	9,5mm 15,9mm	
3	6,4mm 9,5mm	
4	9,5mm 12,7mm	



Customer:	Město Sokolov
Project:	Městský úřad Sokolov – klimati zace
System:	1.PP-A1
Date:	27.05.2024
Scale:	None

1.PP-A1

MCY-MHP0806HS8-E



Accessories

Header

Follower1

Follower2

Follower3

Follower4

Electrical Information

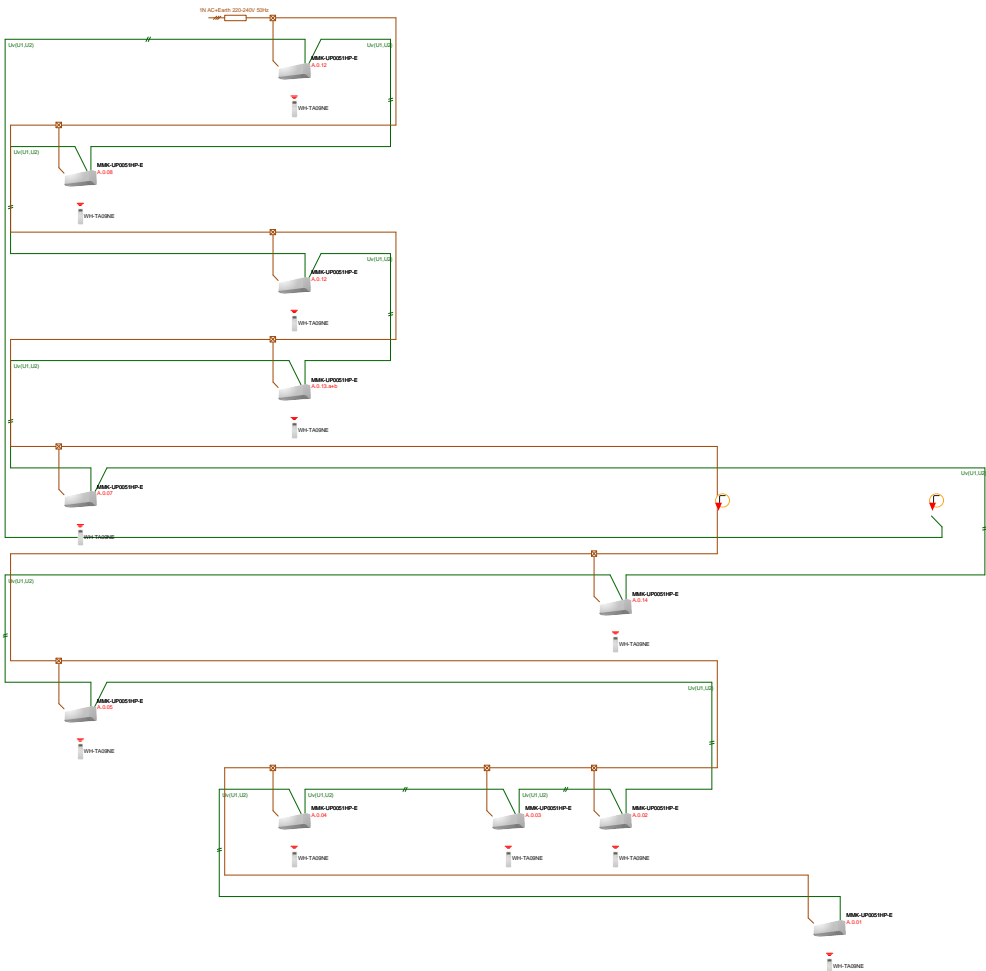
- Slot 1 External master ON/OFF
- Slot 2
- Slot 3
- Slot 4
- Slot 5

Summary: 3N AC+Earth 380/400/415V 50Hz

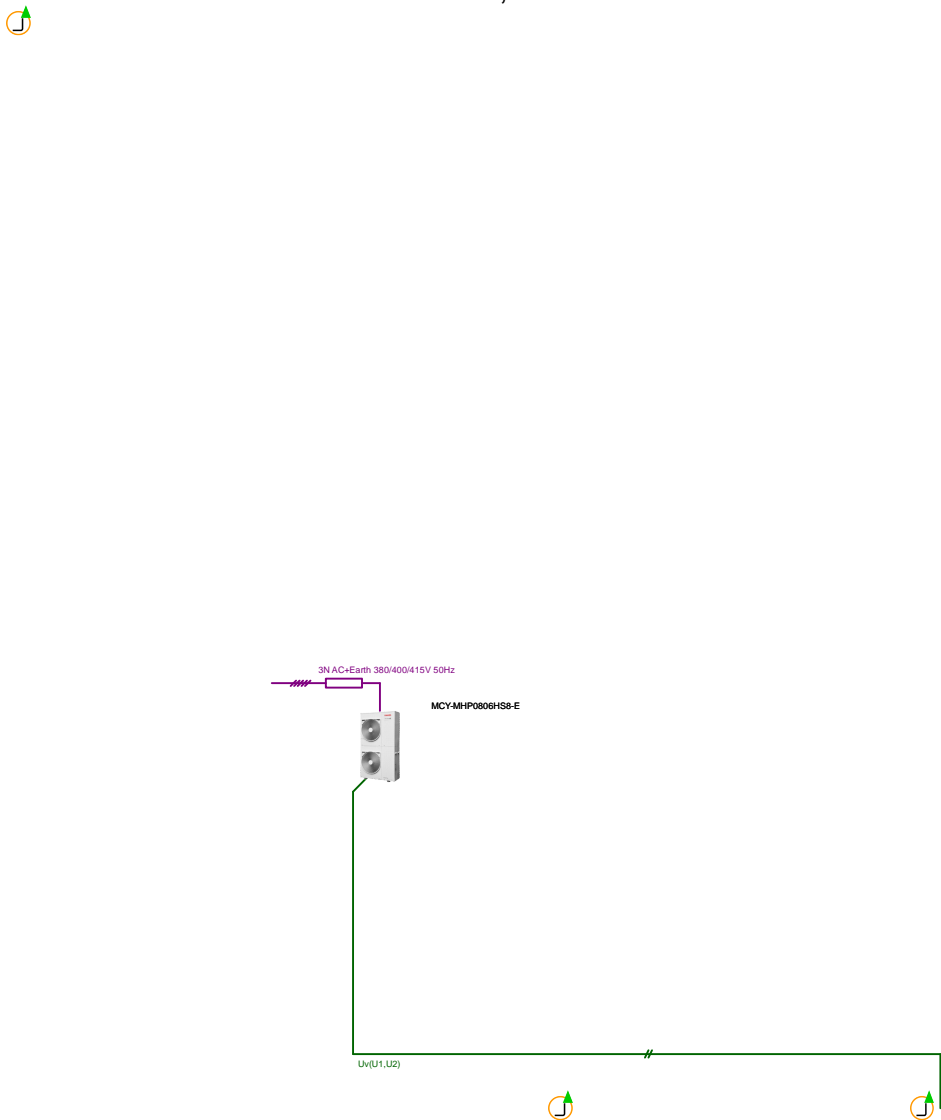
1.PP-A1

Floor: 1.PP

Elevation: Above Outdoor Unit 3,90m



1.PP-A1
Floor: 1.S Elevation: 0,00m



Control Wiring Legend	Label	Wiring Size and Length
Outdoor - Indoor Control Wiring*	Uv(U1,U2)	1,25mm² up to 1000m & 2,0mm² up to 2000m
Central Control Wiring*	U3,U4	1,25mm² up to 1000m & 2,0mm² up to 2000m
Outdoor Units Control Wiring*	U5,U6	1,25mm² to 2,0mm² up to 100m
Remote Controller Wiring*	A,B	0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m

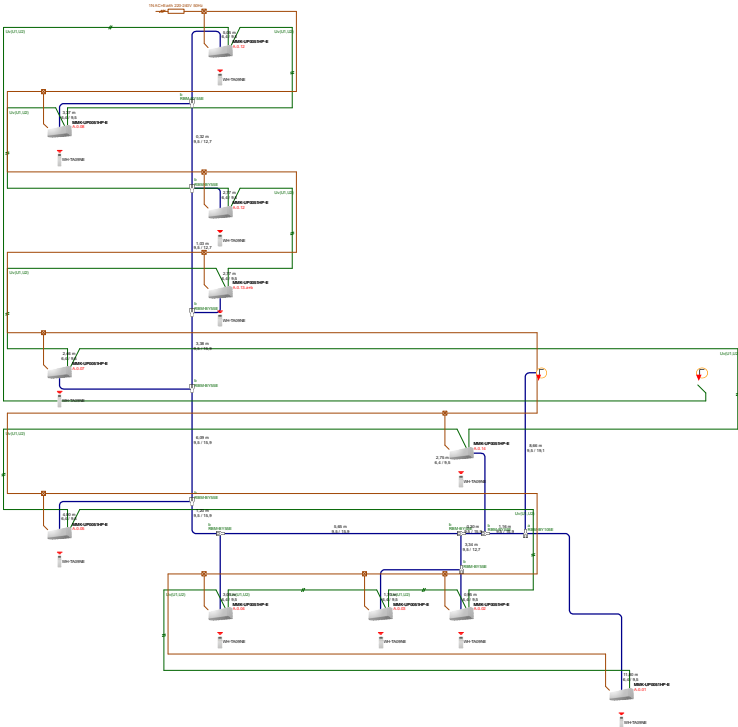
* 2 core, no polarity, shielded
Note: Power Wiring should comply with Local, National and International Regulation.

Symbol Legend	
Control	
Power	
Remote Control	
Signal	
Piping*	

*Note: Pipe diameters in mm

Branches Legend		
RBM-BY105E	a	(x1)
RBM-BY55E	b	(x9)

1.PP-A1
Floor: 1.PP
Elevation: Above Outdoor Unit 3,90m



Control Wiring Legend	Label	Wiring Size and Length
Outdoor - Indoor Control Wiring*	Uv(U1,U2)	1,25mm² up to 1000m & 2,0mm² up to 2000m
Central Control Wiring*	U3,U4	1,25mm² up to 1000m & 2,0mm² up to 2000m
Outdoor Units Control Wiring*	U5,U6	1,25mm² to 2,0mm² up to 100m
Remote Controller Wiring*	A,B	0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m

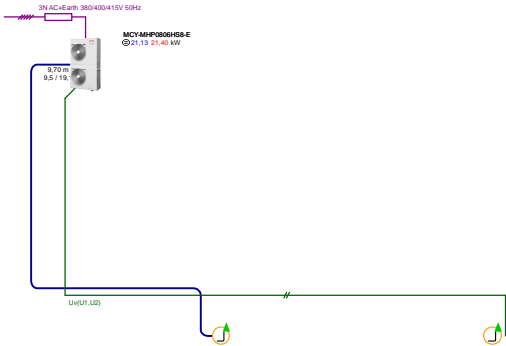
* 2 core, no polarity, shielded

Note: Power Wiring should comply with Local, National and International Regulation.

1.PP-A1

Floor: 1.S

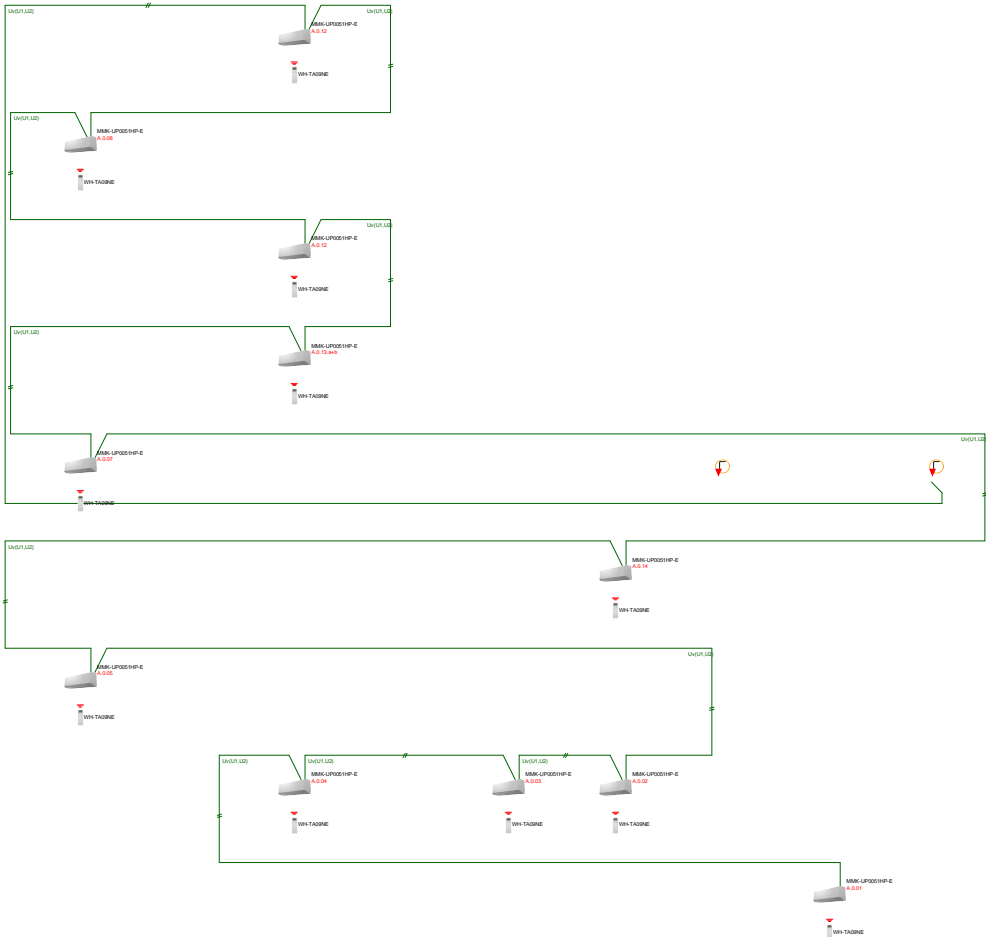
Elevation: 0,00m



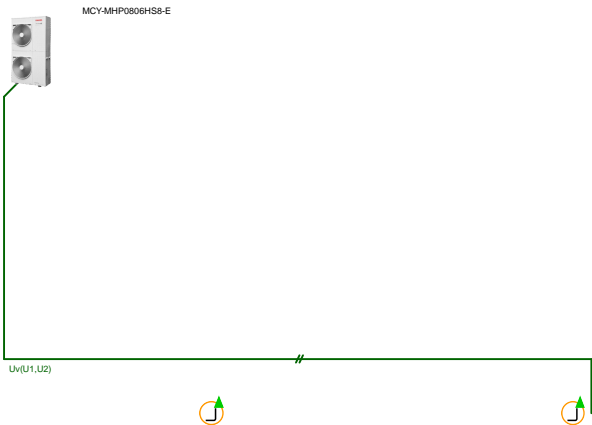
1.PP-A1

Floor: 1.PP

Elevation: Above Outdoor Unit 3,90m



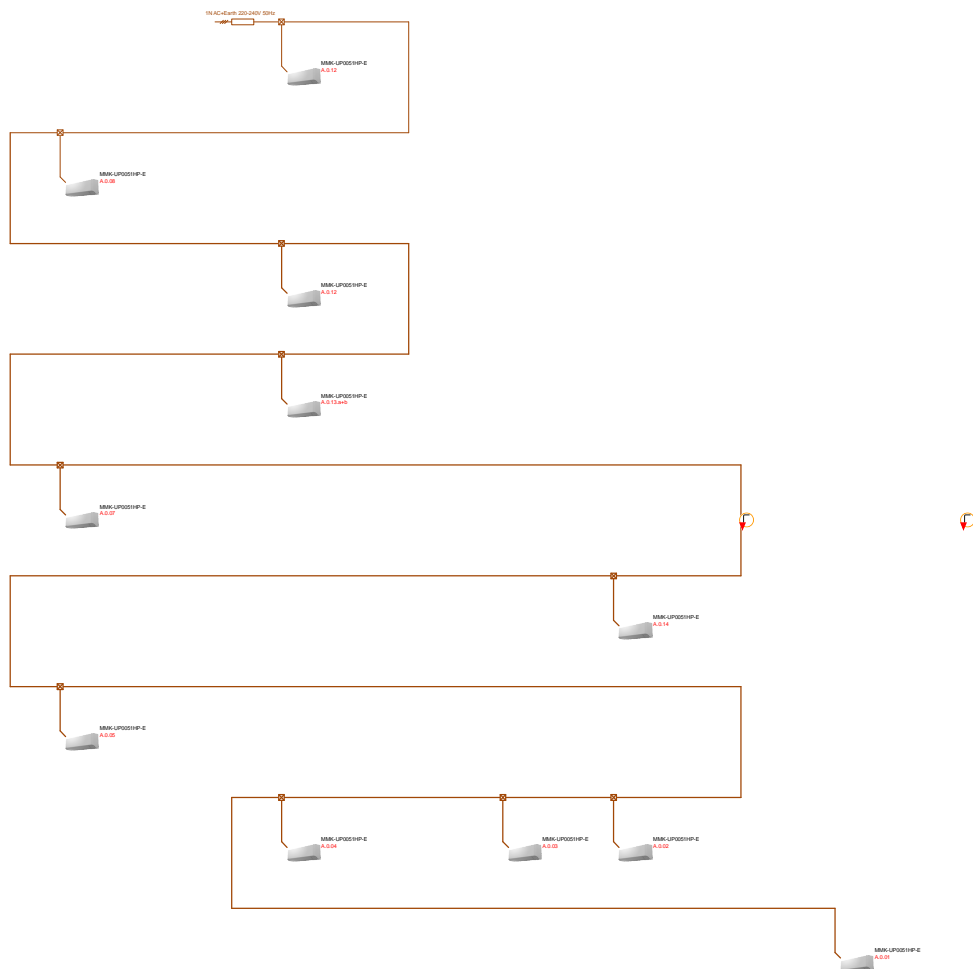
1.PP-A1
Floor: 1.S Elevation: 0,00m



1.PP-A1

Floor: 1.PP

Elevation: Above Outdoor Unit 3,90m



1.PP-A1
Floor: 1.S Elevation: 0,00m



1.PP-A1

Model:	1.PP-A1	System type	High Wall Standard
Model name	MCY-MHP0806HS8-E	Season	Average
Outdoor heat exchanger:	-		
Indoor heat exchanger:	-	SEER(A)	7,02
type:	-		
compressor driver:	-	SCOP(A)	4,01

COOLING

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated cooling capacity	Prated,c	22,4	kW	Seasonal space cooling energy efficiency	ηs,c (A)	277,8	%
					ηs,c (C)	-	%
					ηs,c (W)	-	%

Declared cooling capacity for part load at given outdoor temperatures Tj and indoor 27°/19 °C (dry/wet bulb)

Tj = + 35 °C	Pdc	22,40	kW
Tj = + 30 °C	Pdc	16,51	kW
Tj = + 25 °C	Pdc	10,61	kW
Tj = + 20 °C	Pdc	8,08	kW

Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj

Tj = + 35 °C	EERd	3,16	-
Tj = + 30 °C	EERd	4,98	-
Tj = + 25 °C	EERd	7,84	-
Tj = + 20 °C	EERd	15,34	-

Degradation co-efficient for air conditioners(*)

Cdc	-	-
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HEATING

Item	Symbol	Value	Unit	Item	Symbol	Value	Unit
Rated heating capacity	Prated,h	22,4	kW	Seasonal space heating energy efficiency	ηs,h (A)	157,4	%
					ηs,h (C)	-	%
					ηs,h (W)	-	%

Declared heating capacity for part load at given outdoor temperatures Tj and indoor 27°/19 °C (dry/wet bulb)

Tj = - 7 °C	Pdh	13,89	kW
Tj = + 2 °C	Pdh	8,45	kW
Tj = + 7 °C	Pdh	5,80	kW
Tj = + 12 °C	Pdh	6,18	kW
Tbiv = bivalent temperature	Pdh	13,89	kW
TOL = operation limit	Pdh	9,34	kW
Tj = - 15 °C (if TOL < - 20 °C)	Pdh	-	kW
Bivalent temperature	Tbiv	-	°C

Declared energy efficiency ratio or gas utilisation efficiency/auxiliary energy factor for part load at given outdoor temperatures Tj

Tj = - 7 °C	COPd	2,87	-
Tj = + 2 °C	COPd	3,43	-
Tj = + 7 °C	COPd	6,13	-
Tj = + 12 °C	COPd	7,97	-
Tbiv = bivalent temperature	COPd	2,87	-
TOL = operation limit	COPd	2,37	-
Tj = - 15 °C (if TOL < - 20 °C)	COPd	-	-
Minimum operation temperature	Tol	-	°C

Degradation co-efficient for air conditioners(*)

Cdc	-	-
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Power consumption in modes other than "active mode"

Off mode	POFF	0,015	kW	Back-up heating capacity	PCK	2,860	kW
Thermostat-off mode	PTO	-	kW	Type of energy input	-	-	-
Crankcase heater mode	PCK	-	kW	Standby mode	PSB	0,015	kW

Other items

Capacity control	-	-	-				
Sound power level, indoor/outdoor measured	LWA	75	dB	For air-to-air air conditioner: air flow rate, outdoor measured	-	8460	m³/h
If engine driven: Emissions of nitrogen oxides	NOx	-	mg/kWh fuel input GCV	For water/brine-to-air heat pumps: Rated brine or water flow rate, outdoor side heat exchanger	-	-	m³/h
GWP of the refrigerant	-	-	kg CO2 eq (100 years)				
Contact Details	-	-	-				

MCY-MHP0806HS8-E (8HP, 22,40kW system)

Cooling		Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit (°C)	Outdoor Unit 100% Capacity (kW)	100%		90%		80%		70%		60%		50%		40%		30%	
		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
		(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)	(kW)
40,0 °C	20,2	20,2	7,16	18,2	5,86	16,2	4,71	14,1	3,70	12,1	2,84	10,1	2,12	8,08	1,55	6,06	1,11
39,0 °C	20,7	20,7	7,06	18,6	5,78	16,6	4,65	14,5	3,65	12,4	2,80	10,4	2,09	8,28	1,52	6,21	1,10
37,0 °C	21,6	21,6	6,86	19,4	5,62	17,3	4,52	15,1	3,55	13,0	2,72	10,8	2,03	8,64	1,48	6,48	1,07
35,0 °C	22,4	22,4	6,67	20,2	5,46	17,9	4,39	15,7	3,45	13,4	2,64	11,2	1,97	8,96	1,44	6,72	1,04
33,0 °C	22,4	22,4	6,35	20,2	5,20	17,9	4,18	15,7	3,29	13,4	2,52	11,2	1,88	8,96	1,37	6,72	0,99
31,0 °C	22,4	22,4	6,04	20,2	4,95	17,9	3,98	15,7	3,12	13,4	2,40	11,2	1,79	8,96	1,30	6,72	0,94
30,0 °C	22,4	22,4	5,89	20,2	4,82	17,9	3,87	15,7	3,04	13,4	2,33	11,2	1,74	8,96	1,27	6,72	0,92
29,0 °C	22,4	22,4	5,73	20,2	4,69	17,9	3,77	15,7	2,96	13,4	2,27	11,2	1,70	8,96	1,24	6,72	0,89
27,0 °C	22,4	22,4	5,42	20,2	4,44	17,9	3,56	15,7	2,80	13,4	2,15	11,2	1,60	8,96	1,17	6,72	0,84
25,0 °C	22,4	22,4	5,11	20,2	4,18	17,9	3,36	15,7	2,64	13,4	2,02	11,2	1,51	8,96	1,10	6,72	0,79
23,0 °C	22,4	22,4	4,79	20,2	3,92	17,9	3,15	15,7	2,48	13,4	1,90	11,2	1,42	8,96	1,03	6,72	0,75
21,0 °C	22,4	22,4	4,48	20,2	3,67	17,9	2,95	15,7	2,32	13,4	1,78	11,2	1,33	8,96	0,97	6,72	0,70
20,0 °C	22,4	22,4	4,32	20,2	3,54	17,9	2,85	15,7	2,24	13,4	1,71	11,2	1,28	8,96	0,93	6,72	0,67
19,0 °C	22,4	22,4	4,17	20,2	3,41	17,9	2,74	15,7	2,16	13,4	1,65	11,2	1,23	8,96	0,90	6,72	0,65
17,0 °C	22,4	22,4	3,86	20,2	3,16	17,9	2,54	15,7	1,99	13,4	1,53	11,2	1,14	8,96	0,83	6,72	0,60
15,0 °C	22,4	22,4	3,54	20,2	2,90	17,9	2,33	15,7	1,83	13,4	1,41	11,2	1,05	8,96	0,76	6,72	0,55

TC : Total Capacity

PI : Power Input

Indoor air temperature conditions : 27,0°C dry-bulb / 19,0°C wet bulb

Heating			Compressor + Outdoor Fan Power consumption (kW)															
Outdoor Unit		Outdoor Unit 100% Heating Capacity (kW)	100% Capacity		90% Capacity		80% Capacity		70% Capacity		60% Capacity		50% Capacity		40% Capacity		30% Capacity	
Dry-Bulb (°C)	Wet-Bulb (°C)		TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)	TC (kW)	PI (kW)
15,0	13,7	22,4	22,4	4,08	20,2	3,45	17,9	2,88	15,7	2,35	13,4	1,87	11,2	1,45	8,96	1,08	6,72	0,76
13,0	11,8	22,4	22,4	4,36	20,2	3,69	17,9	3,07	15,7	2,51	13,4	2,00	11,2	1,55	8,96	1,15	6,72	0,81
11,0	9,80	22,4	22,4	4,64	20,2	3,93	17,9	3,27	15,7	2,67	13,4	2,13	11,2	1,65	8,96	1,23	6,72	0,86
9,00	7,90	22,4	22,4	4,92	20,2	4,16	17,9	3,47	15,7	2,83	13,4	2,26	11,2	1,75	8,96	1,30	6,72	0,91
7,00	6,00	22,4	22,4	5,20	20,2	4,40	17,9	3,66	15,7	2,99	13,4	2,39	11,2	1,85	8,96	1,37	6,72	0,96
5,00	4,10	21,5	21,5	5,12	19,4	4,33	17,2	3,60	15,0	2,94	12,9	2,35	10,8	1,82	8,60	1,35	6,45	0,95
3,00	2,20	20,6	20,6	5,03	18,5	4,26	16,5	3,54	14,4	2,89	12,4	2,31	10,3	1,79	8,24	1,33	6,18	0,93
0,00	-0,70	19,3	19,3	4,90	17,4	4,15	15,4	3,45	13,5	2,82	11,6	2,25	9,65	1,74	7,72	1,29	5,79	0,91
-3,00	-0,30	18,0	18,0	4,78	16,2	4,04	14,4	3,36	12,6	2,75	10,8	2,19	9,00	1,70	7,20	1,26	5,40	0,89
-5,00	-5,60	17,1	17,1	4,69	15,4	3,97	13,7	3,30	12,0	2,70	10,3	2,15	8,55	1,67	6,84	1,24	5,13	0,87
-7,00	-7,60	16,2	16,2	4,61	14,6	3,90	13,0	3,24	11,3	2,65	9,72	2,11	8,10	1,64	6,48	1,22	4,86	0,85
-10,0	-10,5	14,9	14,9	4,48	13,4	3,79	11,9	3,16	10,4	2,58	8,94	2,06	7,45	1,59	5,96	1,18	4,47	0,83
-14,5	-15,0	12,9	12,9	4,29	11,6	3,63	10,3	3,02	9,03	2,47	7,74	1,97	6,45	1,52	5,16	1,13	3,87	0,80

TC : Total Capacity

PI : Power Input

Indoor air temperature conditions : 20,0°C dry-bulb

Control Wiring Legend	Label	Wiring	Wiring Size and Length
Outdoor - Indoor Control Wiring	Uv(U1,U2)	2 core, no polarity, shielded	1,25mm² up to 1000m & 2,0mm² up to 2000m
Central Control Wiring	U3,U4	2 core, no polarity, shielded	1,25mm² up to 1000m & 2,0mm² up to 2000m
Outdoor Units Control Wiring	U5,U6	2 core, no polarity, shielded	1,25mm² to 2,0mm² up to 100m
Remote Controller Wiring	A,B	2 core, no polarity, shielded	0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m

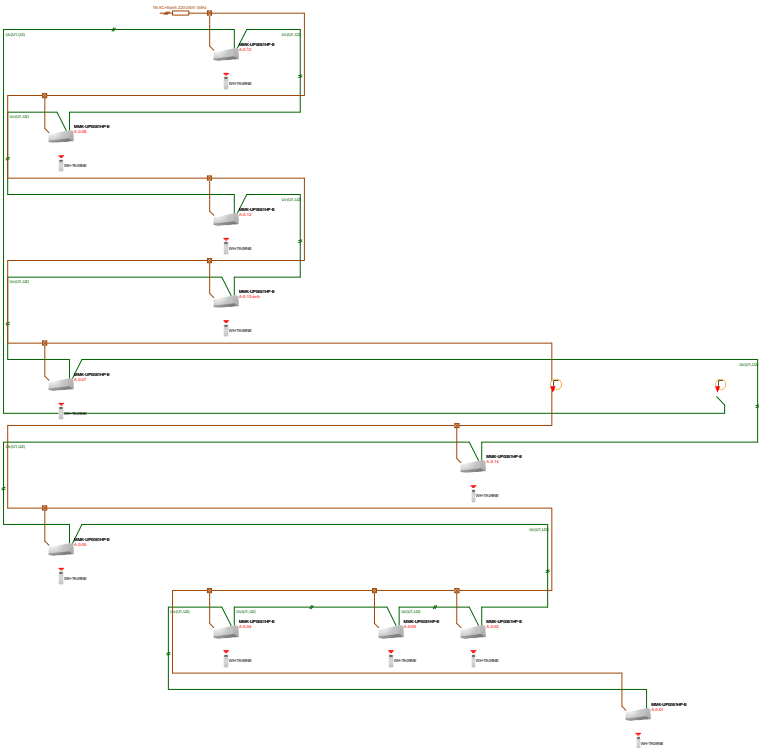
Symbol Legend
Multi Flow Selector
Flow Selector
PMV kit
Electrical isolator

Note: Power Wiring should comply with Local, National and International Regulation.





1.PP-A1

Floor: 1.PP

Elevation: Above Outdoor Unit 3,90m



Control Wiring Legend	Label	Wiring	Wiring Size and Length
Outdoor - Indoor Control Wiring	Uv(U1,U2)	2 core, no polarity, shielded	1,25mm² up to 1000m & 2,0mm² up to 2000m
Central Control Wiring	U3,U4	2 core, no polarity, shielded	1,25mm² up to 1000m & 2,0mm² up to 2000m
Outdoor Units Control Wiring	U5,U6	2 core, no polarity, shielded	1,25mm² to 2,0mm² up to 100m
Remote Controller Wiring	A,B	2 core, no polarity, shielded	0,5mm² to 2,0mm² up to 500m (Wireless Remote Controller up to 400m). Group Control wiring is up to 200m

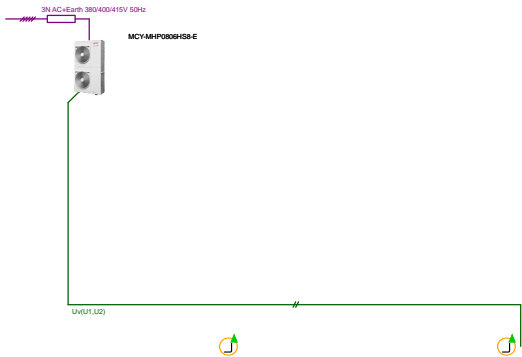
Symbol Legend
 Multi Flow Selector
 Flow Selector
 PMV kit
 Electrical isolator

Note: Power Wiring should comply with Local, National and International Regulation.

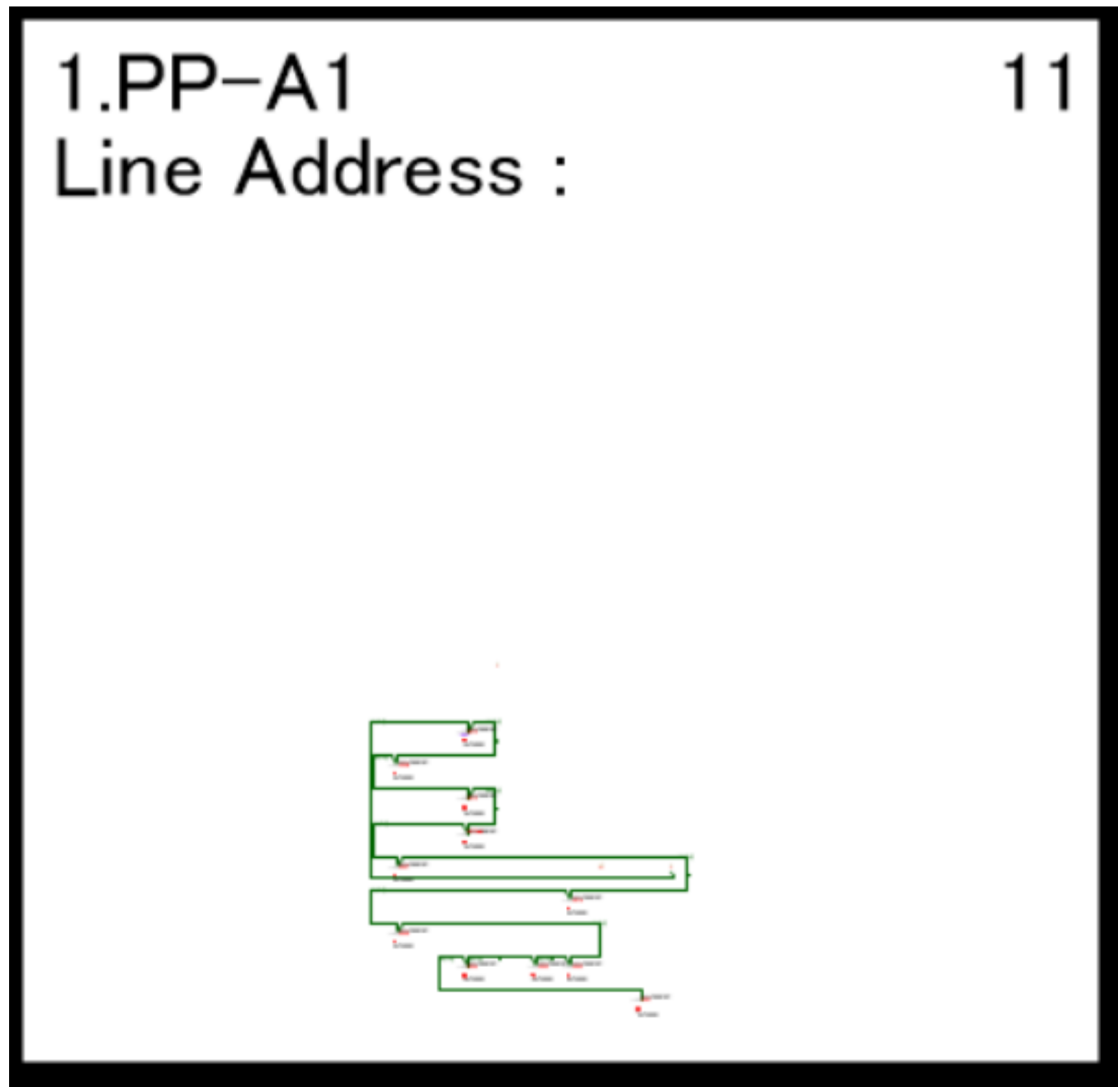
1.PP-A1

Floor: 1.S

Elevation: 0,00m



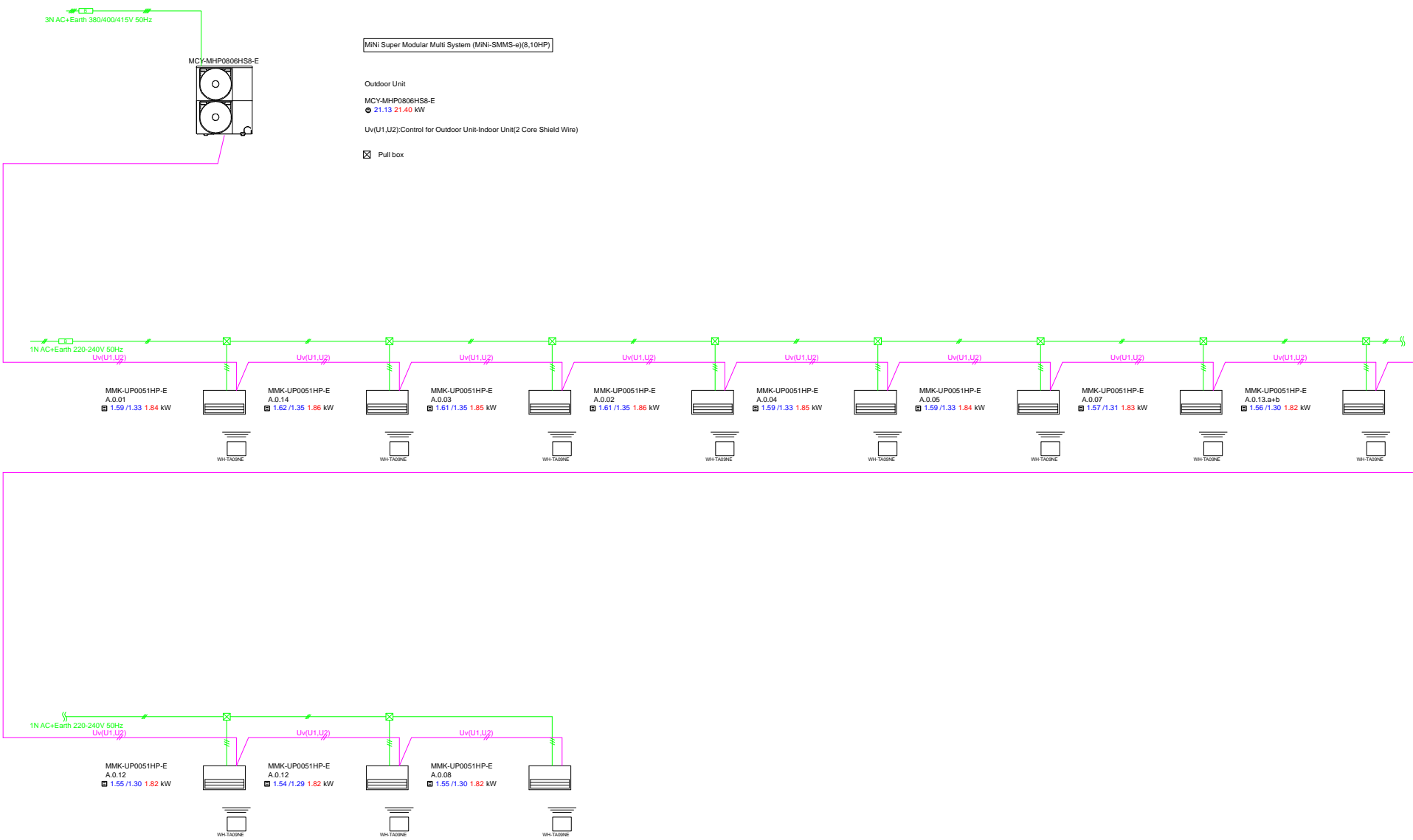
Městský úřad Sokolov – klimatizace



1.PP-A1



1.PP-A1



1.PP-A1

