Inspections Division
Date: 09/11/13

Produced on 4/1/2013 with Xpress Selection V6.4.0 - database Central_USA 8.9.2

Project name GDI FINAL LAYOUT
Reference F W WEBB
Client name GRANITE
Revision FIRST

Selection parameters of the indoor units can be found under the chapter Indoor unit details
Selection parameters of the outdoor units can be found under the chapter Outdoor unit details
Only the data published in the data book are correct. This program uses close approximations of these data.

1. Material List

Model	Qty	Description
RXYQ120PBTJ	4	Heat pump VRV P(B) R410A (208-230V)
RXYQ72PBTJ	2	Heat pump VRV P(B) R410A (208-230V)
FXAQ07PVJU	75	VRV A (P) - Wall Mounted Unit
FXAQ09PVJU	4	VRV A (P) - Wall Mounted Unit
FXAQ12PVJU	12	VRV A (P) - Wall Mounted Unit
KHRP26A22T	18	REFNET branch piping kit
KHRP26A33T	5	REFNET branch piping kit
KHRP26M22H	8	REFNET branch piping kit
KHRP26M33H	5	REFNET branch piping kit
KHRP26M72TU	13	REFNET branch piping kit
KHRP26M73TU	2	REFNET branch piping kit
DCM601A71	1	intelligent Touch Manager (iTM)
BRC1E72	91	Navigation Remote Controller 2013
BHFP22P100U	3	Outdoor Multi Connection Pipe Kit - VRV P Series HP
DCM601A72	1	i-Touch Manager DIII Plus Adapter
Piping 1/4"	2011.0ft	
Piping 3/8"	287.0ft	
Piping 1/2"	2065.0ft	
Piping 5/8"	524.0ft	
Piping 3/4"	125.0ft	
Piping 7/8"	28.0ft	
Piping 1 1/8"	359.0ft	
Piping 1 3/8"	85.0ft	

2. Indoor Unit Details

2.1. SCU-1 - RXYQ192PBTJ

Actual capacity data at conditions and connection ratio (120%) as entered

Name	FCU	Tmp C	TC	SC	Tmp H	HC
		°F	BTU/h	BTU/h	°F	BTU/h
101A BASEMENT:AC-1	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
201 B 3RD:AC-2	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
101A 2ND:AC-3	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
101B BASEMENT:AC-4	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
101B 1ST:AC-5	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
201A 2ND:AC-6	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700

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Name	FCU	Tmp C	TC	SC	Tmp H	HC
		°F	BTU/h	BTU/h	°F	BTU/h
201A 2ND:AC-7	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
202A 2ND:AC-8	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
102A 1ST:AC-9	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
102B 1ST:AC-10	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
102B BASEMENT:AC-11	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
102A BASEMENT:AC-12	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
202A 2ND:AC-13	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
202B 2ND:AC-14	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
103B 1ST:AC-15	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
103A 1ST:AC-16	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
103 B BASEMENT:AC-17	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
103A BASEMENT:AC-18	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
203B 2ND:AC-19	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
203B 2ND:AC-20	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
104B 1ST:AC-21	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
104B 1ST:AC-22	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
203A 2ND:AC-23	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
104A 1ST:AC-24	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
203A 2ND:AC-25	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
104A 1ST:AC-26	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
1ST FL CORRIDOR WEST:C-1	FXAQ12PVJU	86.0 / 50%	12846	9175	68.0	14000
2ND FLOOR CORRIDOR WEST:C-2	FXAQ12PVJU	86.0 / 50%	12846	9175	68.0	14000
2ND FLR CORRIDOR CENTER WEST:C-5	FXAQ12PVJU	86.0 / 50%	12846	9175	68.0	14000

Discharge temperature

Name	Condition 1			Condition 2		
	Suct	Disch	Airflow	Suct	Disch	Airflow
	°F	°F	cfm	°F	°F	cfm
AC-1	64.4	81.4	260	68.0	85.5	260
AC-2	64.4	81.4	260	68.0	85.5	260
AC-3	64.4	81.4	260	68.0	85.5	260
AC-4	64.4	81.4	260	68.0	85.5	260
AC-5	64.4	81.4	260	68.0	85.5	260
AC-6	64.4	81.4	260	68.0	85.5	260
AC-7	64.4	81.4	260	68.0	85.5	260
AC-8	64.4	81.4	260	68.0	85.5	260
AC-9	64.4	81.4	260	68.0	85.5	260
AC-10	64.4	81.4	260	68.0	85.5	260
AC-11	64.4	81.4	260	68.0	85.5	260
AC-12	64.4	81.4	260	68.0	85.5	260
AC-13	64.4	81.4	260	68.0	85.5	260
AC-14	64.4	81.4	260	68.0	85.5	260
AC-15	64.4	81.4	260	68.0	85.5	260
AC-16	64.4	81.4	260	68.0	85.5	260
AC-17	64.4	81.4	260	68.0	85.5	260
AC-18	64.4	81.4	260	68.0	85.5	260
AC-19	64.4	81.4	260	68.0	85.5	260
AC-20	64.4	81.4	260	68.0	85.5	260
AC-21	64.4	81.4	260	68.0	85.5	260
AC-22	64.4	81.4	260	68.0	85.5	260
AC-23	64.4	81.4	260	68.0	85.5	260

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Name	Condition 1			Condition 2		
	Suct	Disch	Airflow	Suct	Disch	Airflow
	°F	°F	cfm	°F	°F	cfm
AC-24	64.4	81.4	260	68.0	85.5	260
AC-25	64.4	81.4	260	68.0	85.5	260
AC-26	64.4	81.4	260	68.0	85.5	260
C-1	64.4	88.7	290	68.0	93.2	290
C-2	64.4	88.7	290	68.0	93.2	290
C-5	64.4	88.7	290	68.0	93.2	290

Condition 1: The discharge temperature is calculated for an ambient temperature of 5.0°F and a room te mperature of 64.4°F, as specified in the Preferences window. It also uses the maximum connection ratio of the installation and the corresponding fan speed of the indoor units.
Condition 2: The discharge temperature is calculated using the design ambient temperature 8.0°F, a roo m temperature of 68.0°F and an operational connection ratio of maximum 130%.

The analysis of the suction and discharge temperature values may help in preventing a cold draft and to ensure a thermal comfort level.
The discharge temperature of condition 2 is lower than 95.0°F. Reducing the connection ratio may compensate this and may raise the discharge temperature improving the thermal comfort level.

Name	Sound	PS	MCA	MOP	WxHxD	Wght
	dBA		A		inch	lbs
101A BASEMENT:AC-1	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
201 B 3RD:AC-2	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
101A 2ND:AC-3	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
101B BASEMENT:AC-4	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
101B 1ST:AC-5	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
201A 2ND:AC-6	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
201A 2ND:AC-7	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
202A 2ND:AC-8	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
102A 1ST:AC-9	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
102B 1ST:AC-10	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
102B BASEMENT:AC-11	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
102A BASEMENT:AC-12	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
202A 2ND:AC-13	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
202B 2ND:AC-14	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
103B 1ST:AC-15	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
103A 1ST:AC-16	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
103 B BASEMENT:AC-17	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
103A BASEMENT:AC-18	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
203B 2ND:AC-19	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
203B 2ND:AC-20	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
104B 1ST:AC-21	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
104B 1ST:AC-22	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
203A 2ND:AC-23	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
104A 1ST:AC-24	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
203A 2ND:AC-25	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
104A 1ST:AC-26	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
1ST FL CORRIDOR WEST:C-1	31-38	230V 1ph	0.4	15A	31.3x11.4x9.3	26
2ND FLOOR CORRIDOR WEST:C-2	31-38	230V 1ph	0.4	15A	31.3x11.4x9.3	26
2ND FLR CORRIDOR CENTER WEST:C-5	31-38	230V 1ph	0.4	15A	31.3x11.4x9.3	26

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Outdoor unit placed at the same level as the indoor units.

2.2. SCU-2 - RXYQ240PBTJ

Actual capacity data at conditions and connection ratio (124%) as entered

Name	FCU	Tmp C	TC	SC	Tmp H	HC
		°F	BTU/h	BTU/h	°F	BTU/h
205 B 2ND:AC-27	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
105B 1ST:AC-28	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
205A 2ND:AC-29	FXAQ12PVJU	86.0 / 50%	12846	9175	68.0	14000
105A 1ST:AC-30	FXAQ12PVJU	86.0 / 50%	12846	9175	68.0	14000
106A BASEMENT:AC-31	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
106A AST:AC-32	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
204A 2ND:AC-33	FXAQ12PVJU	86.0 / 50%	12846	9175	68.0	14000
106A BASEMENT:AC-34	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
204B 2ND:AC-35	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
106B 1ST:AC-36	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
206B 2ND:AC-37	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
108B 1ST:AC-38	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
106B BASEMENT:AC-39	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
108B BASEMENT:AC-40	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
204A 3RD:AC-78	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
204A 3RD:AC-79	FXAQ09PVJU	86.0 / 50%	10173	7708	68.0	11100
BASEMENT CORRIDOR CTR EAST:C-6	FXAQ12PVJU	86.0 / 50%	12846	9175	68.0	14000
2ND FL CORRIDOR CENTER EAST:C-7	FXAQ12PVJU	86.0 / 50%	12846	9175	68.0	14000
205A 2ND:AC-41	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
105A 1ST:AC-42	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
207A 2ND:AC-43	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
107A 1ST:AC-44	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
207A 2ND:AC-45	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
207A 2ND:AC-46	FXAQ12PVJU	86.0 / 50%	12846	9175	68.0	14000
107 B 1ST:AC-47	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
207 B 2ND:AC-48	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
206A 2ND:AC-49	FXAQ12PVJU	86.0 / 50%	12846	9175	68.0	14000
108A 1ST:AC-50	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
108A BASEMENT:AC-51	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
108A BASEMENT:AC-52	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
206A 3RD:AC-81	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
206A 3RD:AC-80	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
BASSEMENT CORRIDOR CTR WES:C-3	FXAQ12PVJU	86.0 / 50%	12846	9175	68.0	14000
1ST FLOOR CORRIDOR CTR WEST:C-4	FXAQ12PVJU	86.0 / 50%	12846	9175	68.0	14000

Discharge temperature

Name	Condition 1			Condition 2		
	Suct	Disch	Airflow	Suct	Disch	Airflow
	°F	°F	cfm	°F	°F	cfm
AC-27	64.4	79.4	260	68.0	83.5	260
AC-28	64.4	79.4	260	68.0	83.5	260
AC-29	64.4	86.0	290	68.0	90.3	290
AC-30	64.4	86.0	290	68.0	90.3	290
AC-31	64.4	79.4	260	68.0	83.5	260

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Name	Condition 1			Condition 2		
	Suct	Disch	Airflow	Suct	Disch	Airflow
	°F	°F	cfm	°F	°F	cfm
AC-32	64.4	79.4	260	68.0	83.5	260
AC-33	64.4	86.0	290	68.0	90.3	290
AC-34	64.4	79.4	260	68.0	83.5	260
AC-35	64.4	79.4	260	68.0	83.5	260
AC-36	64.4	79.4	260	68.0	83.5	260
AC-37	64.4	79.4	260	68.0	83.5	260
AC-38	64.4	79.4	260	68.0	83.5	260
AC-39	64.4	79.4	260	68.0	83.5	260
AC-40	64.4	79.4	260	68.0	83.5	260
AC-78	64.4	79.4	260	68.0	83.5	260
AC-79	64.4	82.1	280	68.0	86.3	280
C-6	64.4	86.0	290	68.0	90.3	290
C-7	64.4	86.0	290	68.0	90.3	290
AC-41	64.4	79.4	260	68.0	83.5	260
AC-42	64.4	79.4	260	68.0	83.5	260
AC-43	64.4	79.4	260	68.0	83.5	260
AC-44	64.4	79.4	260	68.0	83.5	260
AC-45	64.4	79.4	260	68.0	83.5	260
AC-46	64.4	86.0	290	68.0	90.3	290
AC-47	64.4	79.4	260	68.0	83.5	260
AC-48	64.4	79.4	260	68.0	83.5	260
AC-49	64.4	86.0	290	68.0	90.3	290
AC-50	64.4	79.4	260	68.0	83.5	260
AC-51	64.4	79.4	260	68.0	83.5	260
AC-52	64.4	79.4	260	68.0	83.5	260
AC-81	64.4	79.4	260	68.0	83.5	260
AC-80	64.4	79.4	260	68.0	83.5	260
C-3	64.4	86.0	290	68.0	90.3	290
C-4	64.4	86.0	290	68.0	90.3	290

.

Name	Sound	PS	MCA	MOP	WxHxD	Wght
	dBA		A		inch	lbs
205 B 2ND:AC-27	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
105B 1ST:AC-28	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
205A 2ND:AC-29	31-38	230V 1ph	0.4	15A	31.3x11.4x9.3	26
105A 1ST:AC-30	31-38	230V 1ph	0.4	15A	31.3x11.4x9.3	26
106A BASEMENT:AC-31	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
106A AST:AC-32	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
204A 2ND:AC-33	31-38	230V 1ph	0.4	15A	31.3x11.4x9.3	26
106A BASEMENT:AC-34	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
204B 2ND:AC-35	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
106B 1ST:AC-36	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
206B 2ND:AC-37	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
108B 1ST:AC-38	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
106B BASEMENT:AC-39	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
108B BASEMENT:AC-40	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
204A 3RD:AC-78	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
204A 3RD:AC-79	31-37	230V 1ph	0.3	15A	31.3x11.4x9.3	26
BASEMENT CORRIDOR CTR EAST:C-6	31-38	230V 1ph	0.4	15A	31.3x11.4x9.3	26
2ND FL CORRIDOR CENTER EAST:C-7	31-38	230V 1ph	0.4	15A	31.3x11.4x9.3	26

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Name	Sound	PS	MCA	MOP	WxHxD	Wght
	dBA		A		inch	lbs
205A 2ND:AC-41	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
105A 1ST:AC-42	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
207A 2ND:AC-43	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
107A 1ST:AC-44	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
207A 2ND:AC-45	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
207A 2ND:AC-46	31-38	230V 1ph	0.4	15A	31.3x11.4x9.3	26
107 B 1ST:AC-47	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
207 B 2ND:AC-48	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
206A 2ND:AC-49	31-38	230V 1ph	0.4	15A	31.3x11.4x9.3	26
108A 1ST:AC-50	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
108A BASEMENT:AC-51	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
108A BASEMENT:AC-52	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
206A 3RD:AC-81	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
206A 3RD:AC-80	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
BASSEMENT CORRIDOR CTR WES:C-3	31-38	230V 1ph	0.4	15A	31.3x11.4x9.3	26
1ST FLOOR CORRIDOR CTR WEST:C-4	31-38	230V 1ph	0.4	15A	31.3x11.4x9.3	26

Outdoor unit placed at the same level as the indoor units.

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2.3. SCU-3 - RXYQ192PBTJ

Actual capacity data at conditions and connection ratio (112%) as entered

Name	FCU	Tmp C	TC	SC	Tmp H	HC
		°F	BTU/h	BTU/h	°F	BTU/h
110A BASEMENT:AC-61	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
110B 1ST:AC-62	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
110B 1ST:AC-63	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
110A 1ST:AC-64	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
209A 2ND:AC-65	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
110B BASEMENT:AC-66	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
111B BASEMENT:AC-67	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
111A BASEMENT:AC-68	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
111B 1ST:AC-69	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
209A 2ND:AC-70	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
111A BASEMENT:AC-71	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
209A 2ND:AC-72	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
209A 2ND:AC-73	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
112B 1ST:AC-74	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
210B 2ND:AC-75	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
112B BASEMENT:AC-76	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
112A 1ST:AC-77	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
208 A 2ND:AC-53	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
208A 2ND:AC-54	FXAQ09PVJU	86.0 / 50%	10173	7708	68.0	11100
208A 2ND:AC-55	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
109A AST:AC-56	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
2ND FL CORRIDOR EAST:C-9	FXAQ09PVJU	86.0 / 50%	10173	7708	68.0	11100
1ST FL CORRIDOR EAST:C-10	FXAQ09PVJU	86.0 / 50%	10173	7708	68.0	11100
208 B 2ND:AC-57	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
208B 2ND:AC-58	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
109B 1ST:AC-59	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
109B 1ST:AC-60	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700
2ND FL CORRIDOE CTR EAST:C-8	FXAQ07PVJU	86.0 / 50%	8073	6643	68.0	8700

Discharge temperature

Name	Condition 1			Condition 2		
	Suct	Disch	Airflow	Suct	Disch	Airflow
	°F	°F	cfm	°F	°F	cfm
AC-61	64.4	82.5	260	68.0	86.7	260
AC-62	64.4	82.5	260	68.0	86.7	260
AC-63	64.4	82.5	260	68.0	86.7	260
AC-64	64.4	82.5	260	68.0	86.7	260
AC-65	64.4	82.5	260	68.0	86.7	260
AC-66	64.4	82.5	260	68.0	86.7	260
AC-67	64.4	82.5	260	68.0	86.7	260
AC-68	64.4	82.5	260	68.0	86.7	260
AC-69	64.4	82.5	260	68.0	86.7	260
AC-70	64.4	82.5	260	68.0	86.7	260
AC-71	64.4	82.5	260	68.0	86.7	260
AC-72	64.4	82.5	260	68.0	86.7	260
AC-73	64.4	82.5	260	68.0	86.7	260

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Name	Condition 1			Condition 2		
	Suct	Disch	Airflow	Suct	Disch	Airflow
	°F	°F	cfm	°F	°F	cfm
AC-74	64.4	82.5	260	68.0	86.7	260
AC-75	64.4	82.5	260	68.0	86.7	260
AC-76	64.4	82.5	260	68.0	86.7	260
AC-77	64.4	82.5	260	68.0	86.7	260
AC-53	64.4	82.5	260	68.0	86.7	260
AC-54	64.4	85.7	280	68.0	90.0	280
AC-55	64.4	82.5	260	68.0	86.7	260
AC-56	64.4	82.5	260	68.0	86.7	260
C-9	64.4	85.7	280	68.0	90.0	280
C-10	64.4	85.7	280	68.0	90.0	280
AC-57	64.4	82.5	260	68.0	86.7	260
AC-58	64.4	82.5	260	68.0	86.7	260
AC-59	64.4	82.5	260	68.0	86.7	260
AC-60	64.4	82.5	260	68.0	86.7	260
C-8	64.4	82.5	260	68.0	86.7	260

Name	Sound	PS	MCA	MOP	WxHxD	Wght
	dBA		A		inch	lbs
110A BASEMENT:AC-61	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
110B 1ST:AC-62	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
110B 1ST:AC-63	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
110A 1ST:AC-64	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
209A 2ND:AC-65	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
110B BASEMENT:AC-66	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
111B BASEMENT:AC-67	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
111A BASEMENT:AC-68	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
111B 1ST:AC-69	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
209A 2ND:AC-70	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
111A BASEMENT:AC-71	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
209A 2ND:AC-72	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
209A 2ND:AC-73	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
112B 1ST:AC-74	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
210B 2ND:AC-75	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
112B BASEMENT:AC-76	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
112A 1ST:AC-77	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
208 A 2ND:AC-53	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
208A 2ND:AC-54	31-37	230V 1ph	0.3	15A	31.3x11.4x9.3	26
208A 2ND:AC-55	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
109A AST:AC-56	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
2ND FL CORRIDOR EAST:C-9	31-37	230V 1ph	0.3	15A	31.3x11.4x9.3	26
1ST FL CORRIDOR EAST:C-10	31-37	230V 1ph	0.3	15A	31.3x11.4x9.3	26
208 B 2ND:AC-57	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
208B 2ND:AC-58	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
109B 1ST:AC-59	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
109B 1ST:AC-60	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26
2ND FL CORRIDOE CTR EAST:C-8	29-35	230V 1ph	0.3	15A	31.3x11.4x9.3	26

Outdoor unit placed at the same level as the indoor units.

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3. Outdoor Unit Details

3.1. Outdoor Details

Name	Model	Comb	Tmp C	CC	Tmp H	HC	Piping	Bse Refr	Ex Refr
		%	°F	BTU/h	°F	BTU/h	ft	lbs	lbs
SCU-1	RXYQ192PBTJ	120	87.1	208604	8.0 / 50%	152204	233.1	38.6	34.5
SCU-2	RXYQ240PBTJ	124	87.1	265227	8.0 / 50%	173602	184.8	44.1	33.2
SCU-3	RXYQ192PBTJ	112	87.1	203866	8.0 / 50%	151749	276.0	38.6	34.8

Name	Model	PS	MCA	MOP	Run Amps	St Curr	MOP	WxHxD	Wght
			A	A	A	A		inch	lbs
SCU-1	RXYQ192PBTJ	230V 3ph							
	* RXYQ72PBTJ		30	35	14.2		35A	36.6x66.1x30.1	419
	* RXYQ120PBTJ		43	50	27.6	131	50A	48.9x66.1x30.1	620
SCU-2	RXYQ240PBTJ	230V 3ph							
	* RXYQ120PBTJ		43	50	27.6	131	50A	48.9x66.1x30.1	620
	* RXYQ120PBTJ		43	50	27.6	131	50A	48.9x66.1x30.1	620
SCU-3	RXYQ192PBTJ	230V 3ph							
	* RXYQ72PBTJ		30	35	14.2		35A	36.6x66.1x30.1	419
	* RXYQ120PBTJ		43	50	27.6	131	50A	48.9x66.1x30.1	620

Sufficient distance should be respected between the modules according to the service & operation space rules as mentioned in the databook.

Name	Ducted				Non-ducted			
	EER	IEER	COP 47°F	COP 17°F	EER	IEER	COP 47°F	COP 17°F
SCU-1	11.8	19.1	3.55	2.45	11.7	19.9	3.7	2.55
SCU-2	11.6	16.1	3.5	2.35	11.5	18.2	3.6	2.55
SCU-3	11.8	19.1	3.55	2.45	11.7	19.9	3.7	2.55

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4. Piping Diagrams

Pipes marked with * in the diagrams must be connected to the device with a reducing joint.

4.1. Piping SCU-1

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4.2. Piping SCU-2

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4.3. Piping SCU-3

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5. Wiring Diagrams

P1P2 = Please select the cable type and size in accordance with the databook.
F1F2 = Please select the cable type and size in accordance with the databook.

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5.1. Wiring SCU-1

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5.2. Wiring SCU-2

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5.3. Wiring SCU-3

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6. Centralized Controllers

6.1. Concept

6.2. Control group 1

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6.3. Dimensional Drawings

i-Touch Manager DCM601A71

DCM601A71

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