Submittal Data S

Inspections Division
Date: 09/11/13

Project Name:	INN AT DIAMOND ISLAND		
Location:		Approval:	
Engineer:	DAVID CHADWICK	Date:	8/27/2013
Submitted to:	GRANITE CORP	Construction:	
Submitted by:		Unit #:	
Reference:	INN AT DIAMOND ISLAND	Drawing #:	

Performance

Outdoor Unit Model No:	RXYQ192PBTJ	Condensing Unit Type:	16-Ton VRV-III Heat Pump
Type:			
Rated Cooling Capacity (Btu/hr):	184000	Unit Combination:	RXYQ120PBTJ RXYQ72PBTJ
Nom Cooling Capacity (Btu/hr):	216000		
Cooling Input Power (kW):	15.59	*Rated Cooling Conditions*	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB
SEER:	N/A		
IEER:	19.9/19.1		
Rated Heating Capacity (Btu/hr):	206000	*Rated Heating Conditions*	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
Nom Heating Capacity (Btu/hr):	243000		
Heating Input Power (kW):	17.01		
Heating COP (Btu/hr / Btu/hr):	3.7/3.55	*Rated Piping Length (ft)*	100 / 50
HSPF:	N/A	*Rated Height Difference (ft)*	0
Heating COP 17F (Btu/hr / Btu/hr):	2.55/2.45		

Condensing Unit Details

Power Supply (V/Hz/Ph):	208-230/60/3ph	*Compressor Type:*	Inverter
Power Supply Connections:	L1, L2, L3 Ground	*Capacity Control Range (%):*	8 - 100
Min. Circuit Amps MCA (A):	43+30	*Capacity Index Limit:*	96 - 249.6 (130%)
Max. Overcurrent Protection (MOP)(A):	50+35	*Airflow Rate (CFM):*	8,230+6,350
Max. Starting Current MSC(A):	140	*Gas Pipe Connection (inch):*	1-1/8
Rated Load Amps RLA (A):	(10.8+16.8)+14.2	*Liquid Pipe Connection (inch):*	5/8
Dimensions Height (Inch):	66-1/8	*H/L Pressure Connection (inch):*	
Dimensions Width (Inch):	85-1/2	*H/L Equalizing Connection (inch):*	
Dimensions Depth (Inch):	30-1/8	*Sound Pressure Level (dBA):*	62
Net Weight (lbs):	620+420	*Sound Power Level (dBA):*	
		Max. No. of Indoor Units:	33

System Details

Refrigerant Type:	R-410A	*Cooling Operation Range (°F):*	23 - 110
Holding Refrigerant Charge (lbs):	22.1+16.5	*Cooling Range w/Baffle (°F):*	
Additional Charge (lbs/ft):	install data	*Heating Operation Range (°F):*	0 - 77 / (-4) - 60
Pre-charge Piping (Length ft):	-	*Heating Range w/Baffle (°F):*	
Max. Pipe Length (Total ft):			
Max. Pipe Length (Vertical ft):	164 ft (295 ft) / 295 ft		
Max Height Seperation (Ind to Ind ft):			

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Submitted to:	GRANITE CORP	Construction:	
Submitted by:		Unit #:	
Reference:	INN AT DIAMOND ISLAND	Drawing #:	

Performance

Outdoor Unit Model No:	RXYQ216PBTJ	Condensing Unit Type:	18-Ton VRV-III Heat Pump
Type:			
Rated Cooling Capacity (Btu/hr):	206000	Unit Combination:	RXYQ120PBTJ RXYQ96PBTJ
Nom Cooling Capacity (Btu/hr):	240000		
Cooling Input Power (kW):	17.61	*Rated Cooling Conditions*	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB
SEER:	N/A		
IEER:	19.2/19.5		
Rated Heating Capacity (Btu/hr):	231000	*Rated Heating Conditions*	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
Nom Heating Capacity (Btu/hr):	270000		
Heating Input Power (kW):	18.81		
Heating COP (Btu/hr / Btu/hr):	3.8/3.60	*Rated Piping Length (ft)*	100 / 50
HSPF:	N/A	*Rated Height Difference (ft)*	0
Heating COP 17F (Btu/hr / Btu/hr):	2.6/2.45		

Condensing Unit Details

Power Supply (V/Hz/Ph):	208-230/60/3ph	*Compressor Type:*	Inverter
Power Supply Connections:	L1, L2, L3 Ground	*Capacity Control Range (%):*	7 - 100
Min. Circuit Amps MCA (A):	43+43	*Capacity Index Limit:*	108 - 280.8 (130%)
Max. Overcurrent Protection (MOP)(A):	50+50	*Airflow Rate (CFM):*	8,230+8,230
Max. Starting Current MSC(A):	158	*Gas Pipe Connection (inch):*	1-1/8
Rated Load Amps RLA (A):	(10.8+16.8)+(7.8+16.8)	*Liquid Pipe Connection (inch):*	5/8
Dimensions Height (Inch):	66-1/8	*H/L Pressure Connection (inch):*	
Dimensions Width (Inch):	97-3/4	*H/L Equalizing Connection (inch):*	
Dimensions Depth (Inch):	30-1/8	*Sound Pressure Level (dBA):*	63
Net Weight (lbs):	620+620	*Sound Power Level (dBA):*	
		Max. No. of Indoor Units:	37

System Details

Refrigerant Type:	R-410A	*Cooling Operation Range (°F):*	23 - 110
Holding Refrigerant Charge (lbs):	22.1+21.4	*Cooling Range w/Baffle (°F):*	
Additional Charge (lbs/ft):	install data	*Heating Operation Range (°F):*	0 - 77 / (-4) - 60
Pre-charge Piping (Length ft):	-	*Heating Range w/Baffle (°F):*	
Max. Pipe Length (Total ft):			
Max. Pipe Length (Vertical ft):	164 ft (295 ft) / 295 ft		
Max Height Seperation (Ind to Ind ft):			

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Inspections Division
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Location:		Approval:	
Engineer:	DAVID CHADWICK	Date:	8/27/2013
Submitted to:	GRANITE CORP	Construction:	
Submitted by:		Unit #:	
Reference:	INN AT DIAMOND ISLAND	Drawing #:	

Performance

Outdoor Unit Model No:	RXYQ240PBTJ	Condensing Unit Type:	20-Ton VRV-III Heat Pump
Type:			
Rated Cooling Capacity (Btu/hr):	228000	Unit Combination:	RXYQ120PBTJ RXYQ120PBTJ
Nom Cooling Capacity (Btu/hr):	264000		
Cooling Input Power (kW):	19.66	*Rated Cooling Conditions*	Indoor: 80°F DB/67°F WB Outdoor: 95°F DB/75°F WB
SEER:	N/A		
IEER:	18.2/16.1		
Rated Heating Capacity (Btu/hr):	257000	*Rated Heating Conditions*	Indoor: 70°F DB/60°F WB Outdoor: 47°F DB/43°F WB
Nom Heating Capacity (Btu/hr):	297000		
Heating Input Power (kW):	21.52		
Heating COP (Btu/hr / Btu/hr):	3.6/3.5	*Rated Piping Length (ft)*	100 / 50
HSPF:	N/A	*Rated Height Difference (ft)*	0
Heating COP 17F (Btu/hr / Btu/hr):	2.55/2.35		

Condensing Unit Details

Power Supply (V/Hz/Ph):	208-230/60/3ph	*Compressor Type:*	Inverter
Power Supply Connections:	L1, L2, L3 Ground	*Capacity Control Range (%):*	6 - 100
Min. Circuit Amps MCA (A):	43+43	*Capacity Index Limit:*	120 - 312 (130%)
Max. Overcurrent Protection (MOP)(A):	50+50	*Airflow Rate (CFM):*	8,230+8,230
Max. Starting Current MSC(A):	159	*Gas Pipe Connection (inch):*	1-3/8
Rated Load Amps RLA (A):	(10.8+16.8) x 2	*Liquid Pipe Connection (inch):*	5/8
Dimensions Height (Inch):	66-1/8	*H/L Pressure Connection (inch):*	
Dimensions Width (Inch):	97-3/4	*H/L Equalizing Connection (inch):*	
Dimensions Depth (Inch):	30-1/8	*Sound Pressure Level (dBA):*	63
Net Weight (lbs):	620+620	*Sound Power Level (dBA):*	
		Max. No. of Indoor Units:	41

System Details

Refrigerant Type:	R-410A	*Cooling Operation Range (°F):*	23 - 110
Holding Refrigerant Charge (lbs):	22.1+22.1	*Cooling Range w/Baffle (°F):*	
Additional Charge (lbs/ft):	install data	*Heating Operation Range (°F):*	0 - 77 / (-4) - 60
Pre-charge Piping (Length ft):	-	*Heating Range w/Baffle (°F):*	
Max. Pipe Length (Total ft):			
Max. Pipe Length (Vertical ft):	164 ft (295 ft) / 295 ft		
Max Height Seperation (Ind to Ind ft):			

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Project Name:	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
Submitted by:	Unit #:
Reference:	Drawing #:

Dimensional Drawing - Condensing Unit RXYQ120PBTJ

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Project Name:	
Location:	Approval:
Engineer:	Date:
Submitted to:	Construction:
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Dimensional Drawing - Condensing Unit RXYQ96PBTJ

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Project Name:	
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Engineer:	Date:
Submitted to:	Construction:
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Dimensional Drawing - Condensing Unit RXYQ72PBTJ

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Project Name:	INN AT DIAMOND ISLAND		
Location:		Approval:	
Engineer:	DAVID CHADWICK	Date:	8/27/2013
Submitted to:	GRANITE CORP	Construction:	
Submitted by:		Unit #:	
Reference:	INN AT DIAMOND ISLAND	Drawing #:	

Performance

Indoor Unit Model No:	FXAQ07PVJU	Indoor Unit Type:	Wall Mounted
Rated Cooling Capacity (Btu/hr):	7500	*Rated Cooling Conditions*	Indoor: 80°F DB/67°F WB Ambient: 95°F DB/75°F WB
Sensible Capacity (Btu/hr):	6400		
Cooling Input Power (kW):	0.019	*Rated Heating Conditions*	Indoor: 70°F DB/60°F WB Ambient: 47°F DB/43°F WB
Rated Heating Capacity (Btu/hr):	8500		
Heating Input Power (kW):	0.029	*Rated Piping Length (ft)*	25
		Rated Height Separation (ft)	0

Indoor Unit Details

Power Supply (V/Hz/Ph:)	208-230/60/1ph	*Airflow Rate (CFM wet coil)*	260//160
Power Supply Connections:	L1, L2, Ground	*Moisture Removal (pt/h):*	
Min. Circuit Amps MCA (A):	0.4	*Gas Pipe Connection (inch):*	1/2
Max. Overcurrent Protection (MOP) (A):	15	*Liquid Pipe Connection (inch):*	1/4
Dimensions (HxWxD):	11-3/8x31-1/4x9-1/4	*Condensate Connection (inch):*	11/16
Panel (HxWxD):	N/A	*Sound Pressure Level (dBA):*	36
Net Weight (lbs):	26	*Sound Power Level (dBA):*	
Net Weight with Panel (lbs):		*External Static Pressure/Max (inWg):*	0 / 0
		Controller Name:	

FXAQ07PVJU

FXAQ07PVJU

Std U.S. Warranty: 7yrs Compressor, 1yrs Parts

Daikin AC (Americas), Inc., 1645 Wallace Drive - Suite 110, Carrollton, TX 75006 Page 7 of 9

mprovements. Daikin reserves the right to modify product design, specifications and information in this data sheet without notice and without incurring any obli
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Submitted to:	GRANITE CORP	Construction:	
Submitted by:		Unit #:	
Reference:	INN AT DIAMOND ISLAND	Drawing #:	

Performance

Indoor Unit Model No:	FXAQ09PVJU	Indoor Unit Type:	Wall Mounted
Rated Cooling Capacity (Btu/hr):	9500	*Rated Cooling Conditions*	Indoor: 80°F DB/67°F WB Ambient: 95°F DB/75°F WB
Sensible Capacity (Btu/hr):	7300		
Cooling Input Power (kW):	0.028	*Rated Heating Conditions*	Indoor: 70°F DB/60°F WB Ambient: 47°F DB/43°F WB
Rated Heating Capacity (Btu/hr):	10500		
Heating Input Power (kW):	0.034	*Rated Piping Length (ft)*	25
		Rated Height Separation (ft)	0

Indoor Unit Details

Power Supply (V/Hz/Ph:)	208-230/60/1ph	*Airflow Rate (CFM wet coil)*	280//175
Power Supply Connections:	L1, L2, Ground	*Moisture Removal (pt/h):*	
Min. Circuit Amps MCA (A):	0.4	*Gas Pipe Connection (inch):*	1/2
Max. Overcurrent Protection (MOP) (A):	15	*Liquid Pipe Connection (inch):*	1/4
Dimensions (HxWxD):	11-3/8x31-1/4x9-1/4	*Condensate Connection (inch):*	11/16
Panel (HxWxD):	N/A	*Sound Pressure Level (dBA):*	37
Net Weight (lbs):	26	*Sound Power Level (dBA):*	
Net Weight with Panel (lbs):		*External Static Pressure/Max (inWg):*	0 / 0
		Controller Name:	

FXAQ09PVJU

FXAQ09PVJU

Std U.S. Warranty: 7yrs Compressor, 1yrs Parts

Daikin AC (Americas), Inc., 1645 Wallace Drive - Suite 110, Carrollton, TX 75006 Page 8 of 9mprovements. Daikin reserves the right to modify product design, specifications and information in this data sheet without notice and without incurring any obli
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Reference:	INN AT DIAMOND ISLAND	Drawing #:	

Performance

Indoor Unit Model No:	FXAQ12PVJU	Indoor Unit Type:	Wall Mounted
Rated Cooling Capacity (Btu/hr):	12000	*Rated Cooling Conditions*	Indoor: 80°F DB/67°F WB Ambient: 95°F DB/75°F WB
Sensible Capacity (Btu/hr):	8900		
Cooling Input Power (kW):	0.03	*Rated Heating Conditions*	Indoor: 70°F DB/60°F WB Ambient: 47°F DB/43°F WB
Rated Heating Capacity (Btu/hr):	13500		
Heating Input Power (kW):	0.035	*Rated Piping Length (ft)*	25
		Rated Height Separation (ft)	0

Indoor Unit Details

Power Supply (V/Hz/Ph:)	208-230/60/1ph	*Airflow Rate (CFM wet coil)*	290//180
Power Supply Connections:	L1, L2, Ground	*Moisture Removal (pt/h):*	
Min. Circuit Amps MCA (A):	0.4	*Gas Pipe Connection (inch):*	1/2
Max. Overcurrent Protection (MOP) (A):	15	*Liquid Pipe Connection (inch):*	1/4
Dimensions (HxWxD):	11-3/8x31-1/4x9-1/4	*Condensate Connection (inch):*	11/16
Panel (HxWxD):	N/A	*Sound Pressure Level (dBA):*	38
Net Weight (lbs):	26	*Sound Power Level (dBA):*	
Net Weight with Panel (lbs):		*External Static Pressure/Max (inWg):*	0 / 0
		Controller Name:	

FXAQ12PVJU

FXAQ12PVJU

Std U.S. Warranty: 7yrs Compressor, 1yrs Parts

Daikin AC (Americas), Inc., 1645 Wallace Drive - Suite 110, Carrollton, TX 75006 Page 9 of 9

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Reference:	Drawing #:

Dimensional Drawing - Indoor Unit FXAQ09PVJU

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Dimensional Drawing - Indoor Unit FXAQ07PVJU

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