

Multi-zone Heat Pump System

Outdoor Model: 38GJQK48---3



turn to the experts™

Submittal Data

Job Data: _____ Location: _____

Buyer: _____ Buyer P.O. #: _____ Carrier #: _____

Unit Number: _____ Model Number: _____

Performance Data Certified By: _____ Date: _____



INFINITY SERIES

MULTI-ZONE STANDARD FEATURES

- Variable Speed (Inverter)
- Built-in base pan heater
- Quiet operation
- Connect up to 8 multiple style indoor units
 - High Wall (GR and GJ*B)
 - Ducted (GJ*D)
 - Cassette (GJ*C)
 - Floor Console (GJ*F)

CONTROL FEATURES

- Wireless Remote Controller included with each indoor unit.
- Wired Remote Controller included with each Ducted and Cassette indoor unit (Optional on GJ*B High Wall)
- Smart Phone Controls (Optional on GR High Wall)

For specific information on indoor unit see Product Data

System	Size		48
	Outdoor Model		38GJQK48---3
	Max Number of Zones		8
Performance Non-Ducted	Cooling Rated Capacity	Btu/h	48,000
	Cooling Cap. Range Min - Max	Btu/h	3,412-54,592
	SEER		16
	EER		9.56
	Heating Rated Capacity	Btu/h	54,500
	Heating Cap. Range Min - Max	Btu/h	4,094-59,368
	HSPF		8.2
Performance Combination Ducted and Non-Ducted	Cooling Rated Capacity	Btu/h	48,500
	Cooling Cap. Range Min - Max	Btu/h	7,706-53,296
	SEER		15.75
	EER		9.2
	Heating Rated Capacity	Btu/h	54,500
	Heating Cap. Range Min - Max	Btu/h	10,047-56,934
	HSPF		8.2
Performance Ducted	Cooling Rated Capacity	Btu/h	48,500
	Cooling Cap. Range Min - Max	Btu/h	12,000-52,000
	SEER		15.5
	EER		8.8
	Heating Rated Capacity	Btu/h	54,500
	Heating Cap. Range Min - Max	Btu/h	16,000-54,500
	HSPF		8.2

Operating Range	Cooling Outdoor DB Min - Max	°F	5~119
	Heating Outdoor DB Min - Max	°F	-4-75
Piping	Total Piping Length	Ft.	443
	Piping to furthest FCU	Ft.	229
	Drop (OD above ID)	Ft.	98
	Lift (OD below ID)	Ft.	98
	Pipe Connection Size - Liquid	In.	3/8"
	Pipe Connection Size - Suction	In.	5/8"
Electrical	Voltage, Phase, Cycle	V/Ph/Hz	208/230-1-60
	Power Supply	Indoor units powered from Branch Box	
	MCA	A.	30
	MOCP - Fuse Rating	A.	40
Outdoor	Unit Width	In.	35.4
	Unit Height	In.	53
	Unit Depth	In.	13.4
	Net Weight	Lbs.	255.7
	Airflow	CFM	3,766
	Sound Pressure	dB(A)	57

Accessories

- ☐ Wired Control Convertible – F / C (GJ*B Systems)
- ☐ Multi 2 Port Branch Box
- ☐ Multi 3 Port Branch Box

- ☐ Y-type Branch Tube
- ☐ Grille/Ceiling panel (Required for GJ*C)
- ☐ Condensate Pump 208/230V (GR, GJ*B & GJ*F Indoor units)

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Edition Date: 03/15

Catalog No: SUB38GJ-48-02

Manufacturer reserves the right to change, at any time, specifications and designs without notice and without obligations.

Replaces: SUB38GJ-48-01

Multi-zone Indoor combinations

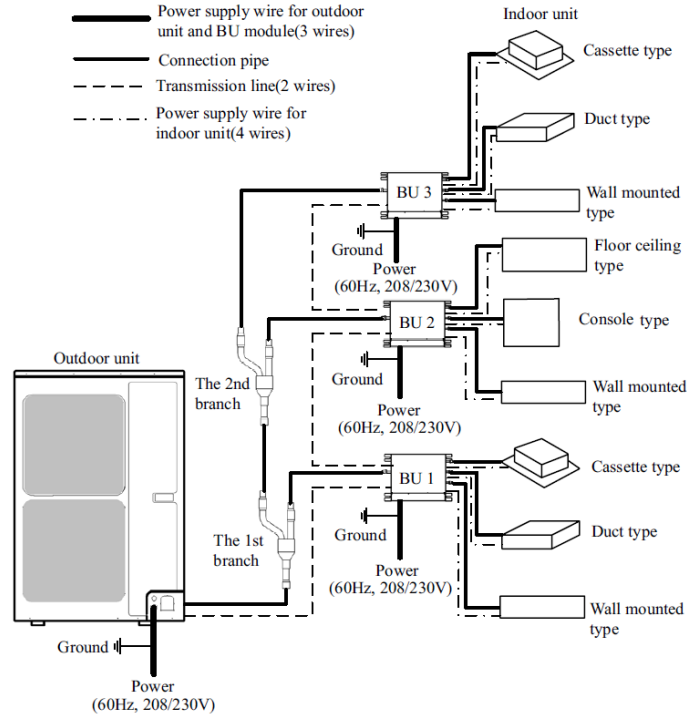
Outdoor Unit Model	2-Zone	3-Zone		4-Zone			5-Zone			6-Zone	7-Zone	8-Zone
38GJQK48---3	9+18	9+9+9	12+12+21	9+9+9+9	9+12+12+24	12+12+18+21	9+9+9+9+9	9+9+9+18+24	9+12+12+12+12	9+9+9+9+9+9	9+9+9+9+9+9+9	9+9+9+9+9+9+9+9
	9+21	9+9+12	12+12+24	9+9+9+12	9+12+18+18	12+12+18+24	9+9+9+9+12	9+9+9+21+21	9+12+12+12+18	9+9+9+9+9+12	9+9+9+9+9+9+12	
	9+24	9+9+18	12+18+18	9+9+9+18	9+12+18+21	12+12+21+21	9+9+9+9+18	9+9+9+21+24	9+12+12+12+21	9+9+9+9+9+18	9+9+9+9+9+9+18	
	12+12	9+9+21	12+18+21	9+9+9+21	9+12+18+24	12+12+24+24	9+9+9+9+21	9+9+12+12+12	9+12+12+12+24	9+9+9+9+9+21	9+9+9+9+9+12+12	
	12+18	9+9+24	12+18+24	9+9+9+24	9+12+21+21	12+18+18+18	9+9+9+9+24	9+9+12+12+18	9+12+12+18+18	9+9+9+9+9+24	9+9+9+9+12+12+12	
	12+21	9+12+12	12+21+21	9+9+12+12	9+12+21+24	12+18+18+21	9+9+9+12+12	9+9+12+12+21	9+12+12+18+21	9+9+9+9+12+12		
	12+24	9+12+18	12+21+24	9+9+12+18	9+12+24+24	12+18+18+24	9+9+9+12+18	9+9+12+12+24	12+12+12+12+12	9+9+9+9+12+18		
	18+18	9+12+21	12+24+24	9+9+12+21	9+18+18+18	12+18+21+21	9+9+9+12+21	9+9+12+18+18	12+12+12+12+18	9+9+9+9+12+21		
	18+21	9+12+24	18+18+18	9+9+12+24	9+18+18+21		9+9+9+12+24	9+9+12+18+21	12+12+12+12+21	9+9+9+9+12+24		
	18+24	9+18+18	18+18+21	9+9+18+18	9+18+18+24		9+9+9+18+18	9+9+12+18+24	12+12+12+12+24	9+9+9+12+12+12		
	21+21	9+18+21	18+18+24	9+9+18+21	9+18+21+21		9+9+9+18+21	9+9+12+21+21	12+12+12+18+18	9+9+9+12+12+18		
	21+24	9+18+24	18+21+21	9+9+18+24	9+18+21+24					9+9+9+12+12+21		
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		12+12+12	21+24+24	9+12+12+18	12+12+12+24							
		12+12+18	24+24+24	9+12+12+21	12+12+18+18							

	Indoor High Wall (GR)	Size		9	12	18		
		Model (White)		40GRQB09H--3	40GRQB12H--3	40GRQB18H--3		
		Model (Silver)		40GRQB09B--3	40GRQB12B--3	40GRQB18B--3		
		Unit Width	In.	37.8	37.8	37.8		
		Unit Height	In.	12.6	12.6	12.6		
		Unit Depth	In.	8.1	8.1	8.1		
		Net Weight	Lbs.	30.9	30.9	30.9		
		Pipe Connection Size - Liquid	In.	1/4"	1/4"	1/4"		
		Pipe Connection Size - Suction	In.	1/2"	1/2"	5/8"		
		Number of Fan Speeds		7	7	7		
	Airflow (lowest to highest)	CFM	206/235/294/324/ 353/383/412	265/294/353/383/ 412/441/471	324/353/412/441/ 471/500/530			
	Sound Pressure (lowest to highest)	dB(A)	22/24/26/30/34/38/41	23/25/27/31/35/39/42	26/28/31/35/39/43/48			
	Indoor High Wall (GJB)	Size		9	12	18	24	
		Model		40GJQB09B--3	40GJQB12B--3	40GJQB18B--3	40GJQB24B--3	
		Unit Width	In.	34.1	34.1	40.1	46.4	
		Unit Height	In.	11.5	11.5	12.6	2.8	
		Unit Depth	In.	8.2	8.2	9.1	10.4	
		Net Weight	Lbs.	24.3	24.3	30.9	38.6	
		Pipe Connection Size - Liquid	In.	1/4"	1/4"	1/4"	1/4"	
		Pipe Connection Size - Suction	In.	1/2"	1/2"	5/8"	5/8"	
		Number of Fan Speeds		7	7	7	7	
		Airflow (lowest to highest)	CFM	224/241/271/312/ 359/394/430	224/241/271/312/ 659/394/453	282/330/371/418/ 465/512/589	294/353/412/471/ 530/588/647	
	Sound Pressure (lowest to highest)	dB(A)	23/26/30/34/36/38/42	24/26/30/34/36/38/44	33/36/38/41/44/47/51	38/41/43/45/47/49/52		
	Indoor Cassette (GJC)	Size		12	18	24		
		Model		40GJQB12C--3	40GJQB18C--3	40GJQB24C--3		
		Unit Width	In.	22.4	22.4	22.4		
		Unit Height	In.	9.1	9.1	9.4		
		Unit Depth	In.	22.4	22.4	33.1		
		Net Weight	Lbs.	39.7	39.7	61.7		
		Pipe Connection Size - Liquid	In.	1/4"	1/4"	3/8"		
		Pipe Connection Size - Suction	In.	3/8"	1/2"	5/8"		
		Number of Fan Speeds		3	3	3		
		Airflow	CFM	265/294/353	265/294/353	500/ 559/694		
	Sound Pressure (lowest to highest)	dB(A)	42/44/46	42/44/46	35/37/39			
	Indoor Ducted (GJD)	Size		9	12	18	21	24
		Model		40GJQB09D--3	40GJQB12D--3	40GJQB18D--3	40GJQB21D--3	40GJQB24D--3
		Unit Width	In.	24.2	24.2	24.2	24.2	24.2
		Unit Height	In.	7.9	7.9	7.9	7.9	7.9
		Unit Depth	In.	27.6	27.6	35.4	43.3	43.3
		Net Weight	Lbs.	48.5	50.7	59.5	68.3	68.3
		Pipe Connection Size - Liquid	In.	1/4"	1/4"	1/4"	3/8"	3/8"
		Pipe Connection Size - Suction	In.	3/8"	3/8"	1/2"	5/8"	5/8"
		Number of Fan Speeds		3	3	3	3	3
		Airflow (lowest to highest)	CFM	147/176/264	176/235/323	294/353/411	323/441/588	323/441/588
	Sound Pressure (lowest to highest)	dB(A)	31/34/37	32/35/39	33/37/41	34/38/42	34/38/42	
	Max Static Pressure	In.WG.	0.04	0.04	0.04	0.06	0.06	
	Indoor Floor Console (GJF)	Size		9	12	18		
		Model		40GJQB09F--3	40GJQB12F--3	40GJQB18F--3		
		Unit Width	In.	8.5	8.5	8.5		
		Unit Height	In.	23.6	23.6	23.6		
		Unit Depth	In.	27.6	27.6	27.6		
		Net Weight	Lbs.	33.1	33.1	33.1		
		Pipe Connection Size - Liquid	In.	1/4"	1/4"	1/4"		
		Pipe Connection Size - Suction	In.	3/8"	3/8"	1/2"		
		Number of Fan Speeds		7	7	7		
		Airflow (lowest to highest)	CFM	188/217/253/282/ 311/ 329/ 382	205/264/294/323/ 353/382/441	241/311/ 341/ 382/ 423/470/494		
	Sound Pressure (lowest to highest)	dB(A)	25/ 26/ 30/ 33/36/38/40	27/ 32/ 35/ 37/38/40/43	33/ 35/ 37/ 41/44/46/48			

Branch Boxes

Branch Box	KSAUI0201AAA	KSAUI0401AAA
Min number of branches	1	1
Max number of branches	2	3

One outdoor unit is able to connect up to 3 Branch Box Units (BU)

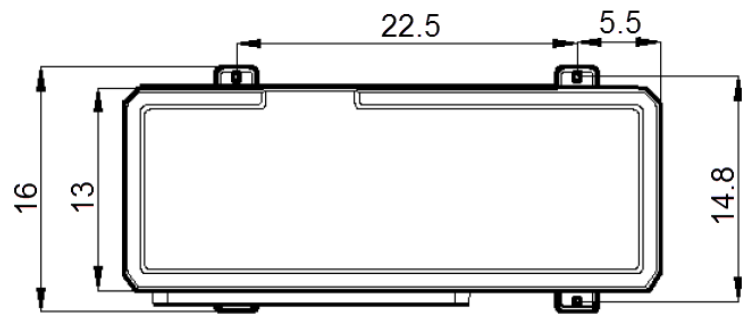
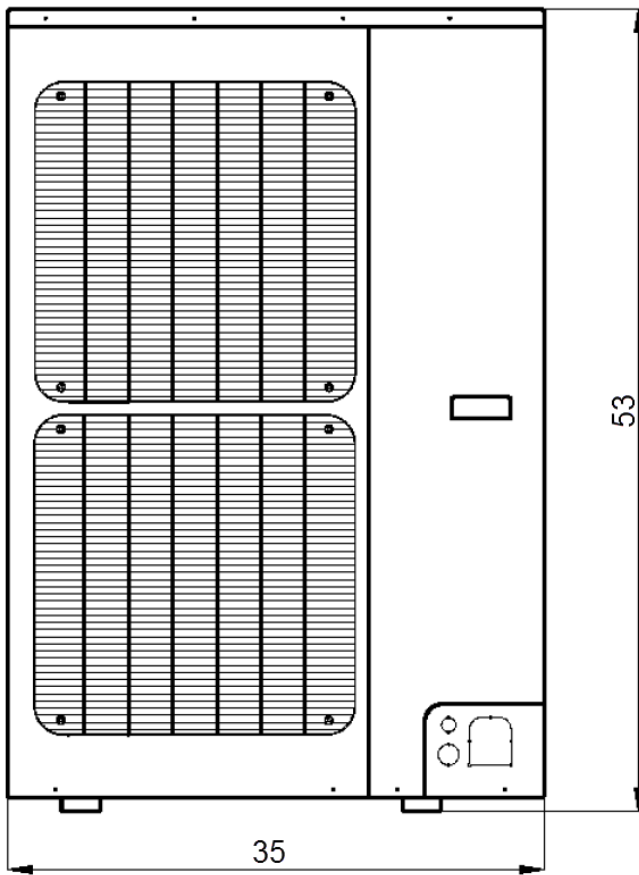


Refrigerant pipe **Braze** Connection

KSAUI0201AAA					KSAUI0401AAA				
Indoor Unit side		Outdoor Unit Side			Indoor Unit side		Outdoor Unit Side		
	Port A	Port B				Port A	Port B	Port C	
Liquid pipe	1/4in (6.5mm)	1/4in (6.5mm)	3/8in (9.7mm)		Liquid pipe	1/4in (6.5mm)	1/4in (6.5mm)	1/4in (6.5mm)	3/8in (9.7mm)
Gas Pipe	5/8in (16.3mm)	5/8in (16.3mm)	5/8in (16.3mm)		Gas Pipe	5/8in (16.3mm)	5/8in (16.3mm)	5/8in (16.3mm)	5/8in (16.3mm)

Construction View

Outdoor Unit 38GJQK48---3



Unit: Inches

