

# Hyper Heating SUZ SERIES



**HYPER  
HEAT AT  
-25°C\***

\*Includes tolerance. Typical units can operate in heating mode down to -27°C depending on conditions.  
The SUZ 24/30/36 can operate down to -30, depending on conditions.

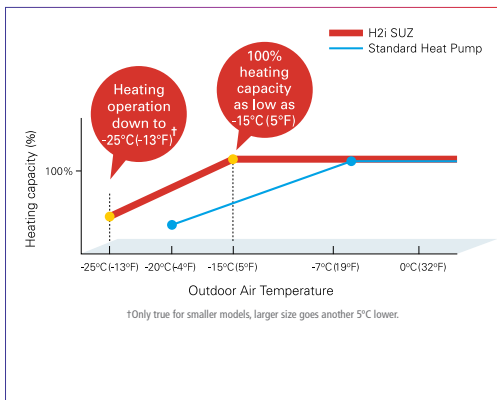


SUZ-KA09/12/15/18NAHZ

## Hyper-Heating Inverter Technology for Cold Climates

The H2i Cold Climate heat pump can provide heating even when it's -25°C (-13°F) outside producing up to 100% heating capacity at -15°C (5°F). The larger capacities for SUZ 24/30/36, can operate down to -30°C (-22°F), depending on conditions. These units are made for the Canadian Climate and provide year round comfort, even in extreme temperatures.

Operation guaranteed at -25°C,  
100% heating capacity at -15°C



Heating Performance (COP) at Low Temperatures

SUZ-KA09NAHZ					SUZ-KA12NAHZ					SUZ-KA24NAHZ			
COP	SLZ	SEZ	PEAD	MLZ	COP	SLZ	SEZ	PEAD	SVZ	MLZ	COP	PEAD	SVZ
18°C	3.90	2.80	3.80	4.10	18°C	3.40	3.90	3.90	3.80	3.80	18°C	3.80	3.10
-8°C	2.55	2.19	2.54	2.74	-8°C	2.37	2.55	2.71	2.60	2.52	-8°C	2.10	1.80
-15°C	1.34	1.59	1.67	1.67	-15°C	1.83	2.19	2.09	1.69	1.57	-15°C	1.75	1.60

SUZ-KA15NAHZ				SUZ-KA18NAHZ					SUZ-KA30NAHZ			SUZ-KA36NAHZ			
COP	SLZ	SEZ	PEAD	COP	SLZ	SEZ	PEAD	SVZ	MLZ	COP	PEAD	SVZ	COP	PEAD	SVZ
18°C	2.60	2.70	3.00	18°C	2.70	3.40	3.30	3.30	3.00	18°C	3.40	3.90	18°C	3.60	3.30
-8°C	1.90	2.15	2.28	-8°C	2.19	2.52	2.48	2.31	2.41	-8°C	2.10	2.00	-8°C	2.20	1.80
-15°C	1.84	1.88	1.81	-15°C	1.44	1.75	1.66	1.75	1.39	-15°C	1.75	1.75	-15°C	1.75	1.60

18°C is based on rated capacity and -8°C/-15°C is based on maximum capacity

# SPECIFICATIONS

INDOOR UNIT			MLZ-KP09NA	MLZ-KP12NA	MLZ-KP18NA
OUTDOOR UNIT			SUZ-KA09NAHZ	SUZ-KA12NAHZ	SUZ-KA18NAHZ
Capacity (Rated)	Cooling	Btu/h	9,000	12,000	16,700
Capacity (Min. – Max.)		Btu/h	4,800 – 9,000	5,270 – 12,000	8,740 – 16,700
Capacity (Rated)	Heating@ 8°C	Btu/h	12,000	15,000	18,600
Capacity (Min. – Max.)		Btu/h	8,300 – 14,000	7,800 – 18,000	8,500 – 22,000
Capacity (Rated)	Heating@ -3°C	Btu/h	6,600	9,100	11,800
Capacity (Max.)		Btu/h	12,000	15,000	18,600
Capacity (Max.)	Heating@ -15°C	Btu/h	12,000	15,000	18,600
Power Consumption	Cooling	W	720	940	1,335
Rated (Min. – Max.)	Heating@ 8°C	W	840 (510–1,100)	1,130 (540–1,630)	1,780 (560–2,700)
Rated (Max.)	Heating@ -8°C	W	700 (1,280)	1,050 (1,740)	1,430(2,260)
EER	Cooling		12.5	12.7	12.5
SEER	Cooling		18.9	19.0	18.8
HSPF (IV)	Heating		11.0	10.2	10.0
Capacity Control	Variable Speed Compressor (VCS)				
Refrigerant	R410A				
Power Supply	V, Phase, Hz	208/230V, 1-Phase, 60Hz			
Moisture Removal	Pints/h	1.8	3.1	5.1	
Airflow (Lo-Low-Med-Hi)	Cooling	CFM Dry	212-254-283-311	212-258-297-332	212-293-346-403
Sound Indoor (Lo-Low-Med-Hi)	Cooling	dB(A)	27-31-34-38	27-32-36-40	29-36-41-47
Sound Outdoor	Cooling	dB(A)	54		55
Max. Fuse Size (Time Delay)	Indoor	A	15		31
	Outdoor	A	24		
Min. Ampacity	Indoor	A	1.0		17
	Outdoor	A	14		
Fan Speed Control	4 (Quiet, Low, Med, Hi)				
Horizontal Airflow Direction	Manual, Swing				
Vertical Airflow Direction	Auto, Manual, Swing				
Air Filters (Washable)	Catechin Plus Air Purifying System (Catechin Plus Pre-Filter, Anti-Allergy Blue Enzyme Filter)				
Dimension (H x W x D)	Indoor	in.	7-5/16 x 43-3/8 x 14-3/16		
	Grille	in.	1-5/16 x 47-1/4 x 16-11/16		
	Outdoor	in.	34-5/8 x 33-1/16 x 13		
Weight	Indoor/Grille	lbs.	34/8		
	Outdoor	lbs.	129		131
Pipe Size	Liq. X Gas	in.	1/4 x 3/8		1/4 x 1/2
Max. Height Difference		Ft.	40		50
Max. Pipe Length		Ft.	65		100
Outdoor Operating Range	Cooling		D.B. 46°C   D.B. -10°C		
Maximum   Minimum	Heating		D.B. 24°C   D.B. -25°C		

\*Includes tolerance. Typical units can operate down to -27°C depending on conditions. All test conditions are based on AHRI 210/240.  
 Rating conditions: Cooling – Indoor: 27°C DB, 19°C WB; Outdoor: 35°C DB, 24°C WB; Rated frequency  
 Heating – Indoor: 21°C DB, 15.5°C WB; Outdoor: 8°C DB, 6°C WB; Rated frequency  
 Heating – Indoor: 21°C DB, 15.5°C WB; Outdoor: -8°C DB, -9°C WB; Rated frequency



MLZ-KP09/12/18NA

# ENERGY STAR® Qualified and Work With a Wide Range of Indoor Units

The Hyper Heat Cold Climate SUZ series achieves high-energy-saving performance as well as heating capacity and the combinations are ENERGY STAR® qualified. For an attractive and optimum use of indoor space, you can choose the indoor unit that best matches your needs from below line-up.



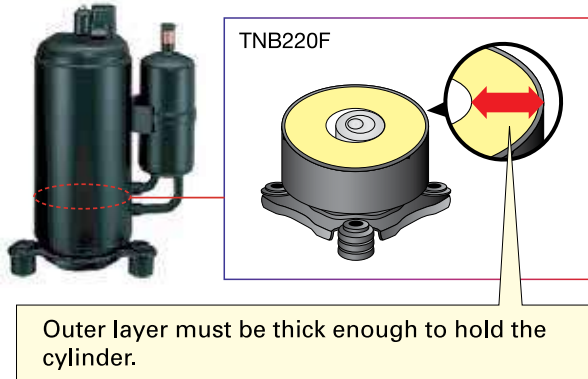
20 ENERGY STAR® COMBINATIONS		Compact 4-way cassette	Compact horizontal-ducted	Horizontal-ducted	Multi position	1-way cassette
						
	9,000Btu/h					
	12,000Btu/h					
	15,000Btu/h					
	18,000Btu/h					
SUZ-KA09/12/ 15/18/24/30/ 36NAHZ	24,000Btu/h					
	30,000Btu/h					
	36,000Btu/h					



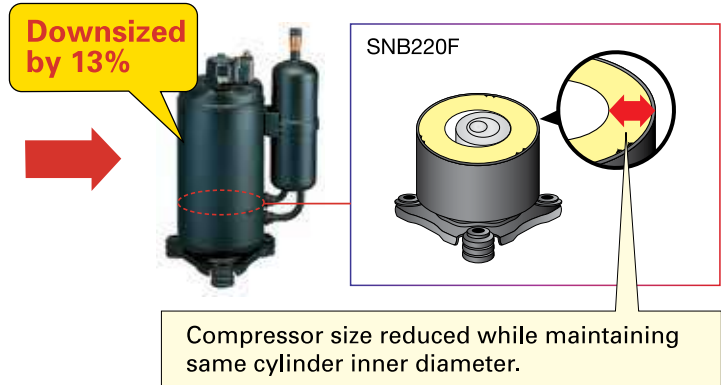
## Compact And Powerful Compressor

A special manufacturing technology, "Heat Caulking Method", has been introduced to reduce compressor size while maintaining a high compressor output. This technology enables the installation of a powerful compressor in compact outdoor units. As a result, excellent heating performance is achieved when operating in cold outdoor environments.

Compressor using conventional method (Arc spot-welded method)



Compressor using Heat Caulking Fixing Method

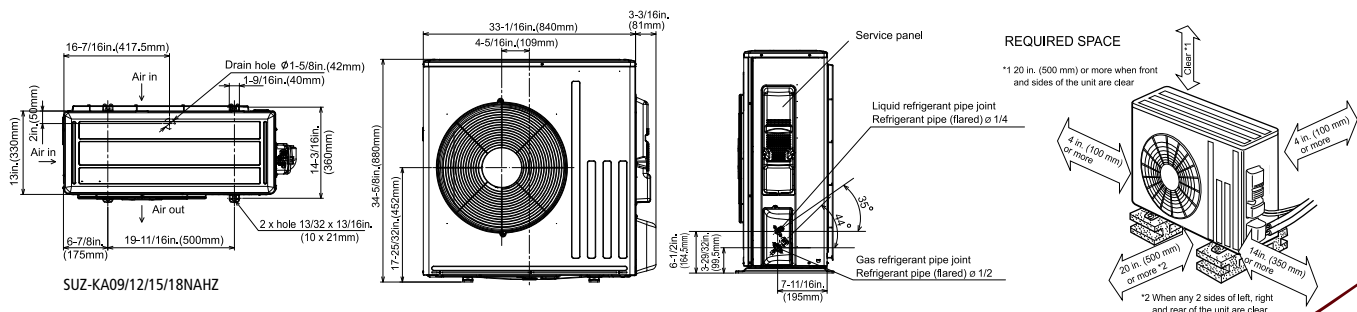


## Blue Fin Heat Exchanger

Blue fin coating is applied to the heat exchanger to increase corrosion toughness.



## Dimensions



# SPECIFICATIONS

INDOOR UNIT			SLZ-KF09NA	SLZ-KF12NA	SLZ-KF15NA	SLZ-KF18NA
OUTDOOR UNIT			SUZ-KA09NAHZ	SUZ-KA12NAHZ	SUZ-KA15NAHZ	SUZ-KA18NAHZ
Capacity (Rated)	Cooling	Btu/h	9,000	12,000	13,700	16,800
Capacity (Min. - Max.)		Btu/h	4,800 - 9,000	5,070 - 12,000	8,500 - 13,700	9,010 - 16,800
Capacity (Rated)	Heating@ 8°C	Btu/h	11,000	13,800	16,400	18,800
Capacity (Min. - Max.)		Btu/h	7,400 - 13,200	7,800 - 14,500	8,300 - 19,000	8,300 - 20,000
Capacity (Rated)	Heating@ -8°C	Btu/h	6,300	8,300	9,700	12,100
Capacity (Max.)		Btu/h	11,000	13,800	16,400	18,800
Capacity (Max.)	Heating@ -15°C	Btu/h	11,000	13,800	16,400	18,800
Power Consumption	Cooling	W	600	940	1,095	1,340
Rated (Min. - Max.)	Heating@ 8°C	W	820 (510-1,080)	1,170 (520-1,300)	1,830 (600-2,330)	2,020 (600-2,310)
Rated (Max.)	Heating@ -8°C	W	720 (1,260)	1,020 (1,700)	1,490 (2,520)	1,610 (2,510)
EER	Cooling		15.0	12.7	12.5	12.5
SEER	Cooling		20.2	20.3	17.7	19.0
HSPF (IV)	Heating		10.0		9.0	9.4
Capacity Control	Variable Speed Compressor (VCS)					
Refrigerant	R410A					
Power Supply	V, Phase, Hz 208/230, 1, 60					
Moisture Removal	Pints/h		1.9	3.1	3.4	4.2
Airflow (Lo-Med-Hi)	Cooling	CFM Dry	230-265-300	230-280-335	245-315-405	300-420-475
Sound Indoor (Lo-Med-Hi)	Cooling	dB(A)	25-28-31	25-30-34	27-34-39	32-40-43
Sound Outdoor	Cooling	dB(A)		54		55
Max. Fuse Size (Time Delay)	Indoor	A		15		20
	Outdoor	A		24		31
Min. Ampacity	Indoor	A	0.25		0.4	0.54
	Outdoor	A		14		17
Fan Speed Control	3 (Low, Med, Hi)					
Horizontal Airflow Direction	Manual, Swing					
Vertical Airflow Direction	Auto, Swing					
Air Filters (Washable)	Standard Long-Life Filter (up to 2,500 hours)					
Dimension (H x W x D)	Indoor	in.	9-21/32 x 22-7/16 x 22-7/16			
	Grille	in.	25/32 x 25 - 19/32 x 25 - 19/32			
	Outdoor	in.	34-5/8 x 33-1/16 x 13			
Weight	Indoor/Grille	lbs.	30.6/7			
	Outdoor	in.	129			131
Pipe Size	Liq. X Gas	Ft.	1/4 x 3/8			1/4 x 1/2
Max. Height Difference		Ft.		40		50
Max. Pipe Length		Ft.		65		100
Outdoor Operating Range Maximum   Minimum	Cooling		D.B. 46°C   D.B. -10°C			
	Heating		D.B. 24°C   D.B. -25°C			

INDOOR UNIT			SEZ-KD09NA4	SEZ-KD12NA4	SEZ-KD15NA4	SEZ-KD18NA4
OUTDOOR UNIT			SUZ-KA09NAHZ	SUZ-KA12NAHZ	SUZ-KA15NAHZ	SUZ-KA18NAHZ
Capacity (Rated)	Cooling	Btu/h	9,000	12,000	15,000	18,000
Capacity (Min. - Max.)		Btu/h	4,500 - 9,000	5,210 - 12,000	9,000 - 15,000	9,200 - 18,000
Capacity (Rated)	Heating@ 8°C	Btu/h	12,500	15,000	18,000	21,600
Capacity (Min. - Max.)		Btu/h	8,100 - 13,300	7,700 - 18,000	8,600 - 22,400	8,800 - 28,000
Capacity (Rated)	Heating@ -8°C	Btu/h	8,700	9,000	12,200	14,200
Capacity (Max.)		Btu/h	12,500	15,000	18,000	21,600
Capacity (Max.)	Heating@ -15°C	Btu/h	12,500	15,000	18,000	21,600
Power Consumption	Cooling	W	690	920	1,200	1,370
Rated (Min. - Max.)	Heating@ 8°C	W	1,300 (570-1,300)	1,120 (540-1,570)	1,920 (550-2,820)	1,840 (530-3,230)
Rated (Max.)	Heating@ -8°C	W	1,120 (1,670)	1,030 (1,720)	1,660 (2,450)	1,650 (2,510)
EER	Cooling			13.0	12.5	13.1
SEER	Cooling		17.3	19.0	17.3	19.1
HSPF (IV)	Heating		9.8	10.2	9.5	10.9
Capacity Control	Variable Speed Compressor (VCS)					
Refrigerant	R410A					
Power Supply	V, Phase, Hz 208/230V, 1-Phase, 60Hz					
Moisture Removal	Pints/h		1.7	2.5	2.8	2.0
Airflow (Med-Hi-SH)	Cooling/Heating	CFM Dry	194-247-317	247-317-388	353-441-529	423-529-635
Sound Indoor (Lo-Med-Hi)	Cooling	dB(A)	23-26-30	23-28-33	30-34-37	30-34-38
Sound Outdoor	Cooling	dB(A)		54		55
Max. Fuse Size (Time Delay)	Indoor	A			15	
	Outdoor	A		24		31
Min. Ampacity	Indoor	A			1.0	
	Outdoor	A	14			17
Fan Speed Control	3 (Low, Med, Hi)					
Air Filters (Washable)	PP Honeycomb Fabric					
Dimension (H x W x D)	Indoor	in.	7-7/8 x 31-1/8 x 27-9/16		7-7/8 x 39 x 27-9/16	
	Outdoor	in.			34-5/8 x 33-1/16 x 13	
Weight	Indoor	lbs.	42	50	54	62
	Outdoor	lbs.		129		131
Pipe Size	Liq. X Gas	in.	1/4 x 3/8			1/4 x 1/2
Max. Height Difference		Ft.		40		50
Max. Pipe Length		Ft.		65		100
Outdoor Operating Range Maximum   Minimum	Cooling		D.B. 46°C   D.B. -10°C			
	Heating		D.B. 24°C   D.B. -25°C			

\*Includes tolerance. Typical units can operate down to -27°C depending on conditions. All test conditions are based on AHRI 210/240.  
 Rating conditions: Cooling - Indoor: 27°C DB, 19°C WB; Outdoor: 35°C DB, 24°C WB; Rated frequency  
 Heating - Indoor: 21°C DB, 15.5°C WB; Outdoor: 8°C DB, 6°C WB; Rated frequency  
 Heating - Indoor: 21°C DB, 15.5°C WB; Outdoor: -8°C DB, -9°C WB; Rated frequency

**HEATS AT -30°C AND BEYOND**

**SPECIALIFICATIONS**

INDOOR UNIT			PEAD-A09AA7	PEAD-A12AA7	PEAD-A15AA7	PEAD-A18AA7	PEAD-A24AA7	PEAD-A30AA7	PEAD-A36AA7	
OUTDOOR UNIT			SUZ-KA09NAHZ	SUZ-KA12NAHZ	SUZ-KA15NAHZ	SUZ-KA18NAHZ	SUZ-KA24NAHZ	SUZ-KA30NAHZ	SUZ-KA36NAHZ	
Capacity (Rated)	Cooling	Btu/h	9,000	12,000	15,000	18,000	24,000	30,000	33,000	
Capacity (Min. - Max.)		Btu/h	5,000 - 9,000	5,770 - 12,000	9,600 - 15,000	9,320 - 18,000	10,000 - 24,000	14,600 - 30,000	15,600 - 33,000	
Capacity (Rated)	Heating@ 8°C	Btu/h	12,000	15,000	18,000	21,000	25,000	32,000	37,000	
Capacity (Min. - Max.)		Btu/h	8,200-14,000	7,900 - 18,000	8,800 - 23,000	8,800 - 28,000	10,000-28,000	14,700-34,000	17,400-40,000	
Capacity (Rated)	Heating@ -8°C	Btu/h	6,800	9,000	11,700	14,200	18,000	21,000	25,400	
Capacity (Max.)		Btu/h	12,000	15,000	18,000	21,600	25,000	32,000	37,000	
Capacity (Max.)	Heating@ -15°C	Btu/h	12,000	15,000	18,000	21,600	25,000	32,000	37,000	
Power Consumption	Cooling	W	650	850	1,190	1,400	2,080	2,350	2,490	
Rated (Min. - Max.)	Heating@ 8°C	W	910 (510-1120)	1,100 (480-1390)	1,710 (540-2800)	1,890 (540-3250)	1,920 (630-2280)	2,740 (880-3,030)	2,940 (1,050-3,260)	
Rated (Max.)	Heating@ -8°C	W	690 (900)	970 (1620)	1,500 (2310)	1,670 (2550)	2,096 (3,450)	2,615 (4,445)	2,955 (4,985)	
EER	Cooling		13.8	14.1	12.6	12.8	10.3		12.5	
SEER	Cooling		17.8	19.3	18.3	18.9		15		
HSPF (IV)	Heating		10.8	11.0	9.9	10.8		9		
Capacity Control	Variable Speed Compressor (VCS)									
Refrigerant	R410A									
Power Supply	V, Phase, Hz 208/230V, 1-Phase, 60Hz									
Moisture Removal	Pints/h		1.4	1.9	2.4	3.6	6.9	6.5	3.6	
Airflow (Lo-Med-Hi)	Cooling/Heating	CFM Dry	282-318-353	353-424-494		424-512-600		512-635-741	618-742-883	847-1024-1201
Sound Indoor (Lo-Med-Hi)	Cooling	dB(A)	24-26-28		28-30-34		30-33-37		30-34-39	
Sound Outdoor	Cooling	dB(A)	54		55				52	
Max. Fuse Size (Time Delay)	Indoor	A	15		31		27		40	
	Outdoor	A	24		31		27		40	
Min. Ampacity	Indoor	A	1.45		1.69		2.63		2.73	
	Outdoor	A	14		17		24		26	
Fan Speed Control	3 (Low, Med, Hi)									
Air Filters (Washable)	Standard Long-Life Filter (up to 2,500 hours)									
Dimension (H x W x D)	Indoor	in.	9-7/8 x 35-7/16 x 28-7/8			9-7/8 x 43-5/16 x 28-7/8			9-7/8 x 55-1/8 x 28-7/8	
	Outdoor	in.	34-5/8 x 33-1/16 x 13			37-1/8 x 37-13/32 x 13			52-43/64 x 41-5/16 x 13	
Weight	Indoor	lbs.	58		62		69		86	
	Outdoor	lbs.	129		131		190		261	
Pipe Size	Liq. X Gas	in.	1/4 x 3/8		1/4 x 1/2		3/8 x 5/8			
Max. Height Difference		Ft.	40		50		100			
Max. Pipe Length		Ft.	65		100		165		245	
Outdoor Operating Range	Cooling		D.B. 46°C   D.B. -10°C			D.B. 46°C   D.B. -18°C**				
Maximum   Minimum	Heating		D.B. 24°C   D.B. -25°C			D.B. 24°C   D.B. -25°C				

**HEATS AT -30°C AND BEYOND**

INDOOR UNIT			SVZ-KP12NA	SVZ-KP18NA	SVZ-KP24NA	SVZ-KP30NA	SVZ-KP36NA	
OUTDOOR UNIT			SUZ-KA12NAHZ	SUZ-KA18NAHZ	SUZ-KA24NAHZ	SUZ-KA30NAHZ	SUZ-KA36NAHZ	
Capacity (Rated)	Cooling	Btu/h	12,000	18,000	24,000	27,000	36,000	
Capacity (Min. - Max.)		Btu/h	5,600 - 12,000	9,360 - 18,000	8,800-24,000	13,400-27,000	14,200-36,000	
Capacity (Rated)	Heating@ 8°C	Btu/h	15,000	21,600	23,000	32,000	37,000	
Capacity (Min. - Max.)		Btu/h	7,700 - 18,000	8,800 - 28,000	9,400-28,800	13,000-34,000	13,800-40,000	
Capacity (Rated)	Heating@ -8°C	Btu/h	8,900	14,300	19,200	21,400	32,800	
Capacity (Max.)		Btu/h	15,000	21,600	23,000	32,000	37,000	
Capacity (Max.)	Heating@ -15°C	Btu/h	15,000	21,600	23,000	32,000	37,000	
Power Consumption	Cooling	W	860	1,440	2,420	2,100	3,760	
Rated (Min. - Max.)	Heating@ 8°C	W	1,000 (510-1,420)	1,810 (550-3,140)	540-2,790	810-2,880	820-4,160	
Rated (Max.)	Heating@ -8°C	W	1,000 (1,690)	1,810 (2,740)	2,566 (3,700)	2,750 (3,970)	4,230 (5,800)	
EER	Cooling		13.9	12.5	9.9	12.5	9.5	
SEER	Cooling		19.0	18.4	16	15	16	
HSPF (IV)	Heating		10.2	10.4	9.2	9	9	
Capacity Control	Variable Speed Compressor (VCS)							
Refrigerant	R410A							
Power Supply	V, Phase, Hz 208/230V, 1-Phase, 60Hz							
Moisture Removal	Pints/h		0.8	1.1	5	4	8	
Airflow (Lo-Med-Hi)	Cooling/Heating	CFM Dry	278-381-448	471-573-675	512-625-735	613-744-875	767-910-910	
Sound Indoor (Lo-Med-Hi)	Cooling	dB(A)	29-36-39		31-35-39		33-37-41	
Sound Outdoor	Cooling	dB(A)	54		55		53	
Max. Fuse Size (Time Delay)	Indoor	A	15		31		20	
	Outdoor	A	24		31		40	
Min. Ampacity	Indoor	A	3		3		4.13	
	Outdoor	A	14		17		24	
Fan Speed Control	3 (Low, Medium, High)							
Air Filters (Washable)	Standard Long-Life Filter (up to 2,500 hours)							
Dimension (H x W x D)	Indoor	in.	39-3/16 x 21-5/8 x 17			43-3/4 x 21-5/8 x 21		
	Outdoor	in.	34-5/8 x 33-1/16 x 13			37-1/8 x 37-13/32 x 13		
Weight	Indoor	lbs.	93		93		119	
	Outdoor	lbs.	129		131		261	
Pipe Size	Liq. X Gas	in.	1/4 x 3/8		3/8 x 5/8			
Max. Height Difference		Ft.	40		50		100	
Max. Pipe Length		Ft.	65		100		245	
Outdoor Operating Range	Cooling		D.B. 46°C   D.B. -10°C			D.B. 46°C   D.B. -18°C**		
Maximum   Minimum	Heating		D.B. 24°C   D.B. -25°C			D.B. 24°C   D.B. -25°C		

\*Includes tolerance. Typical units can operate down to -27°C depending on conditions. All test conditions are based on AHRI 210/240. Rating conditions: Cooling - Indoor: 27°C DB, 19°C WB; Outdoor: 35°C DB, 24°C WB; Rated frequency Heating - Indoor: 21°C DB, 15.5°C WB; Outdoor: 8°C DB, 6°C WB; Rated frequency Heating - Indoor: 21°C DB, 15.5°C WB; Outdoor: -8°C DB, -9°C WB; Rated frequency

\*\*The SUZ 24/30/36 can operate down to -30, depending on conditions. \*\*Requires ME windscreen for operation below -5°C



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\*When installed by a MEQ certified HVAC (Heating, Ventilation, and Air Conditioning) Contractor. Certain conditions, restrictions and/or limitations apply. See warranty terms and conditions for complete details.