

Job Name:
 System Reference:

Date:



Outdoor Unit: NTXMPH42A152AA

ACCESSORIES

The outdoor unit is delivered with the base pan heater factory installed.

- Airflow Guide (PAC-ADG096AA-E)
- Three-port Branch Box (TAC-MKA31BC)
- Five-port Branch Box (TAC-MKA51BC)
- Distribution Pipe for Flare Connection
 - (MSDD-50AR; necessary for installing two branch boxes)
- Distribution Pipe for Brazed Connection
 - (MSDD-50BR; necessary for installing two branch boxes)
- 3/8" x 1/2" Port Adapter (MAC-A454JP-E)
- 1/2" x 3/8" Port Adapter (MAC-A455JP-E)
- 1/2" x 5/8" Port Adapter (MAC-A456JP-E)
- 1/4" x 3/8" Port Adapter (PAC-493PI)
- 3/8" x 5/8" Port Adapter (PAC-SG76RJ-E)

(For data on specific indoor units, see the NTXMPH Technical and Service Manual.)

Specifications			Model Name
Unit Type			NTXMPH42A152AA
Cooling* (Non-ducted / Ducted)	Rated Capacity	Btu/h	42,000 / 42,000
	Capacity Range	Btu/h	15,500 - 42,000
	Rated Total Input	W	3,130 / 3,890
Heating at 47°F* (Non-ducted / Ducted)	Rated Capacity	Btu/h	48,000 / 48,000
	Capacity Range	Btu/h	24,000 - 48,000
	Rated Total Input	W	3,430 / 4,350
Heating at 17°F* (Non-ducted/Ducted)	Rated Capacity	Btu/h	35,800 / 36,600
	Maximum Capacity	Btu/h	48,000 / 48,000
	Rated Total Input	W	3,650 / 4,290
Heating at 5°F*	Maximum Capacity	Btu/h	48,000
Connectable Capacity		Btu/h	12,000-54,600
Energy Star® (ENERGY STAR products are third-party certified by an EPA-recognized Certification Body.)			Yes
Electrical Requirements	Power Supply	Voltage, Phase, Hertz	208 / 230V, 1-Phase, 60 Hz
	Recommended Fuse/Breaker Size	A	50
	MCA	A	42
Voltage	Indoor - Outdoor S1-S2	V	AC 208 / 230
	Indoor - Outdoor S2-S3	V	DC ±24
Compressor			Hermetic
Fan Motor (ECM)		F.L.A.	0.4+0.4
Sound Pressure Level	Cooling	dB(A)	50
	Heating	dB(A)	54
External Dimensions (H x W x D)		In mm	52-11/16 x 41-11/32 x 13+1 1338 x 1050 x 330+25
Net Weight		Lbs / kg	276 / 125
External Finish			Munsell No. 3Y 7.8/11
Refrigerant Pipe Size O.D.	Liquid (High Pressure)	In / mm	3/8 / 9.52
	Gas (Low Pressure)	In / mm	5/8 / 15.88
Max. Refrigerant Line Length		Ft / m	492 (150)
Max. Piping Length between outdoor unit and branch boxes		Ft / m	180 (55)
Max. Piping Length after branch box		Ft / m	82 (25)
Max. Total Piping Length between branch boxes and indoor units		Ft / m	311 (95)
Max. Refrigerant Pipe Height Difference	If IDU is Above ODU	Ft / m	131 (40)
	If IDU is Below ODU	Ft / m	164 (50)
Connection Method			Flared/Flared
Refrigerant			R410A

* Rating Conditions per AHRI Standard:

Cooling | Indoor: 80° F (27° C) DB / 67° F (19° C) WB
 Cooling | Outdoor: 95° F (35° C) DB / 75° F (24° C) WB

Heating at 47° F | Indoor: 70° F (21° C) DB
 Heating at 47° F | Outdoor: 47° F (8° C) DB / 43° F (6° C) WB

Heating at 17° F | Indoor: 70° F (21° C) DB
 Heating at 17° F | Outdoor: 17° F (-8° C) DB / 15° F (-9° C) WB

SPECIFICATIONS: NTXMPH42A152AA

OPERATING RANGE:

	Outdoor
Cooling	D.B 23 to 115°F [D.B. -5 to 46°C]*1
Heating	W.B. -13 to 59° F [W.B. -25 to 15° C

*1. D.B. 5 to 115° F [D.B. -15 to 46° C], when an Wind Baffle is installed.

ENERGY EFFICIENCIES:

Indoor Unit Type	SEER	EER	HSPF	COP @ 47°F	COP @ 17°F
Non-ducted (06+09+09+09+09)	19.0	13.40	11.0	4.10	2.85
Ducted and Non-ducted	17.00	12.11	10.55	3.67	2.68
Ducted (09+09+09+09+09)	15.0	10.80	10.1	3.23	2.50

NOTES:

- Minimum of two Indoor Units must be connected to the NTXMPH42A152AA.
- Minimum connected capacity cannot be less than 12,000 Btu/h.
- System can operate with only one Indoor Unit turned on.
- Information provided at 208/230V.
- For Reference:
 - NTXMPH Technical & Service Manual for detailed specifications and additional information per Indoor Unit Combination.
 - MX Series Multi-Zone Indoor/Outdoor Combination Table for allowed unit combinations.
 - Refer to Operational Performance table for connected capacities based on allowable combinations.
- Refer to Service Manual for heating and cooling capacity information.

NXTAMT CONNECTION RULES:

When connecting ducted unit(s) and multi-position unit(s), see additional information as shown in Application Note 1029 in order to ensure correct design and selection

NOTES:

NTXMPH42A152AA SYSTEM OVERVIEW

Outdoor unit			NTXMPH36A142AA	NTXMPH42A152AA	NTXMPH48A182AA NTXMMX48A182AA	NTXMMX60A182AA
			4HP	4.5HP	5HP	7HP
Rated capacity (kBTU/h)	Cooling	36	42	48	60	
	Heating	45	48	54	66	
	Refrigerant	R410A				
Connectable indoor unit	Capacity class	Type 06 to Type 36				
	Caution: The indoor unit which rated capacity exceeds 36 kBTU/h (Type 36) can NOT be connected.					
	Number of units	2 ^(*1) to 4 units	2 ^(*1) to 5 units	2 ^(*1) to 8 units	2 ^(*1) to 8 units	
Total system wide capacity	33 to 130% of outdoor unit capacity (12 to 46.8 kBTU/h)	29 to 130% of outdoor unit capacity (12 to 54.6 kBTU/h)	25 to 130% of outdoor unit capacity (12 to 62.4 kBTU/h)	20 to 130% of outdoor unit capacity (12 to 78 kBTU/h)		
Connectable branch box	Number of units	1 or 2 units				



Connectable indoor unit lineups (Heat pump inverter type)									
Model type	Model name ** shows Capacity class. * changes such as A, B, C...	Capacity class [kBTU/h]							
		06	09	12	15	18	24	30	36
Deluxe Wall-mounted	NTXWPH**A112A*	●	●	●	●	●			
Standard Wall-mounted	NTXWST**A112A*	●	●	●	●	●	●		
Low static ducted ^{*3 *4}	NTXDKS**A112A*		●	●	●	●			
P-series mid static ducted ^{*3 *4}	PEAD-A**AA*		●	●	●	●	●	●	●
1-way cassette	NTXUKS**A112A*		●	●		●			
22*22 4-way cassette	NTXCKS**A112A*		●	●	●				
P-series 33*33 4-way cassette	PLA-A**EA* ^{*5}			●		●	●	●	●
Floor standing	NTXFKS**A112A*		●	●	●	●			
Standard Multi-position air handler ^{*2}	NTXAMT**A112A*			●		●	●	●	●



Branch box	TAC-MKA51BC	TAC-MKA31BC
Number of branches (Indoor unit that can be connected)	5 branches (MAX. 5 units)	3 branches (MAX. 3 units)

Note: A maximum of 2 branch boxes can be connected to 1 outdoor unit.



2- branch pipe (joint): Optional parts								
In case of using 1- branch box	No need							
In case of using 2- branch boxes	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>Model name</th> <th>Connection method</th> </tr> <tr> <td>MSDD-50AR-E</td> <td>flare</td> </tr> <tr> <td>MSDD-50BR-E</td> <td>brazing</td> </tr> </table>	Model name	Connection method	MSDD-50AR-E	flare	MSDD-50BR-E	brazing	Select a model according to the connection method.
Model name	Connection method							
MSDD-50AR-E	flare							
MSDD-50BR-E	brazing							



Option	Optional accessories for indoor units and outdoor units are available.
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*1 Only one unit connection is possible with multi-position unit.

*2 When connecting a multi-position unit(s), set additional constraints as follows. For connections other than specified below, consult your dealer.

● **Models other than NTXMMX60A182AA** (For each connected branch box)

● **NTXMMX60A182AA** (For each connected branch box)

Number of connecting multi-position unit	Constraints
2	Any indoor units other than multi-position units are not connectable.
1	· The total system wide capacity should be 130% or below including the multi-position unit. · Only 1 ducted unit can be included in the connection.

Number of connecting multi-position unit	Constraints
2	Any indoor units other than multi-position units are not connectable.
1	· The total system wide capacity should be 100% or below including the multi-position unit. · Only 1 ducted unit can be included in the connection.

*3 For NTXMMX60A182AA; When connecting the ducted units, the total system wide capacity per 1 branch box should be 100% or below including the ducted units. (Only if connecting to TAC-MKA51BC)

*4 For other than NTXMMX60A182AA: A branch box can connect to maximum 3 of the ducted units. When connecting with 3 of the ducted units per 1 branch box, other indoor units cannot be connected.

For NTXMMX60A182AA: A branch box can connect to maximum 2 of the ducted units. When connecting with 1 and over 1 of the ducted units, the total ability including of the ducted units is 100% and below 100%.

*5 When the system includes even 1 unit of PLA-A**EA*, the number of the maximum connectable indoor units is decreased as follows: 3 for NTXMPH36A142AA, 4 for NTXMPH42A152AA, and 6 for NTXMPH48A182AA, NTXMMX48A182AA and NTXMMX60A182AA.

NTXMPH42A152AA OPERATIONAL PERFORMANCE

NON-DUCTED:

# of indoor unit	Total Nominal Capacity (x1000 Btu/h)	Total Indoor Unit Capacity (Btu/h)	Operational Performance for Indoor Unit Combinations (Unit A + Unit B + Unit C + Unit D + Unit E)	Cooling Capacity Range (Btu/h)				
				Heating Capacity Range (Btu/h)				
				Unit A	Unit B	Unit C	Unit D	Unit E
1	6	6,000	6	6,000	-	-	-	-
		7,200		7,200	-	-	-	-
1	9	9,000	9	9,000	-	-	-	-
		10,800		10,800	-	-	-	-
1	12	12,000	12	12,000	-	-	-	-
		14,400		14,400	-	-	-	-
1	15	15,000	15	15,000	-	-	-	-
		18,000		18,000	-	-	-	-
1	18	18,000	18	18,000	-	-	-	-
		21,600		21,600	-	-	-	-
1	24	24,000	24	24,000	-	-	-	-
		28,800		28,800	-	-	-	-
1	30	30,000	30	30,000	-	-	-	-
		36,900		36,900	-	-	-	-
1	36	36,000	36	36,000	-	-	-	-
		45,000		45,000	-	-	-	-
2	12	12,000	6 + 6	6,000	6,000	-	-	-
		14,400		7,200	7,200	-	-	-
2	15	15,000	6 + 9	6,000	9,000	-	-	-
		18,000		7,200	10,800	-	-	-
2	18	18,000	6 + 12	6,000	12,000	-	-	-
		21,600		7,200	14,400	-	-	-
2	21	21,000	6 + 15	6,000	15,000	-	-	-
		25,200		7,200	18,000	-	-	-
2	24	24,000	6 + 18	6,000	18,000	-	-	-
		28,800		7,200	21,600	-	-	-
2	30	30,000	6 + 24	6,000	24,000	-	-	-
		36,900		7,400	29,500	-	-	-
2	36	36,000	6 + 30	6,000	30,000	-	-	-
		45,000		7,300	37,700	-	-	-
2	42	42,000	6 + 36	6,000	36,000	-	-	-
		48,000		6,600	41,400	-	-	-
2	18	18,000	9 + 9	9,000	9,000	-	-	-
		21,600		10,800	10,800	-	-	-
2	21	21,000	9 + 12	9,000	12,000	-	-	-
		25,200		10,800	14,400	-	-	-
2	24	24,000	9 + 15	9,000	15,000	-	-	-
		28,800		10,800	18,000	-	-	-
2	27	27,000	9 + 18	9,000	18,000	-	-	-
		32,800		10,900	21,900	-	-	-
2	33	33,000	9 + 24	9,000	24,000	-	-	-
		40,900		11,200	29,700	-	-	-
2	39	39,000	9 + 30	9,000	30,000	-	-	-
		46,500		10,500	36,000	-	-	-
2	45	42,000	9 + 36	8,400	33,600	-	-	-
		48,000		9,300	38,700	-	-	-
2	24	24,000	12 + 12	12,000	12,000	-	-	-
		28,800		14,400	14,400	-	-	-
2	27	27,000	12 + 15	12,000	15,000	-	-	-
		32,800		14,600	18,200	-	-	-
2	30	30,000	12 + 18	12,000	18,000	-	-	-
		36,900		14,800	22,100	-	-	-
2	36	36,000	12 + 24	12,000	24,000	-	-	-
		45,000		15,000	30,000	-	-	-
2	42	42,000	12 + 30	12,000	30,000	-	-	-
		48,000		13,500	34,500	-	-	-
2	48	42,000	12 + 36	10,500	31,500	-	-	-
		48,000		11,600	36,400	-	-	-
2	30	30,000	15 + 15	15,000	15,000	-	-	-
		36,900		18,500	18,500	-	-	-

NTXMPH42A152AA OPERATIONAL PERFORMANCE, CONTD.

NON-DUCTED:

# of indoor unit	Total Nominal Capacity (x1000 Btu/h)	Total Indoor Unit Capacity (Btu/h)	Operational Performance for Indoor Unit Combinations (Unit A + Unit B + Unit C + Unit D + Unit E)	Cooling Capacity Range (Btu/h)				
				Heating Capacity Range (Btu/h)				
				Unit A	Unit B	Unit C	Unit D	Unit E
2	33	33,000	15 + 18	15,000	18,000	-	-	-
		40,900		18,600	22,300	-	-	-
2	39	39,000	15 + 24	15,000	24,000	-	-	-
		46,500		17,900	28,600	-	-	-
2	45	42,000	15 + 30	14,000	28,000	-	-	-
		48,000		15,700	32,300	-	-	-
2	51	42,000	15 + 36	12,400	29,600	-	-	-
		48,000		13,700	34,300	-	-	-
2	36	36,000	18 + 18	18,000	18,000	-	-	-
		45,000		22,500	22,500	-	-	-
2	42	42,000	18 + 24	18,000	24,000	-	-	-
		48,000		20,600	27,400	-	-	-
2	48	42,000	18 + 30	15,800	26,300	-	-	-
		48,000		17,700	30,300	-	-	-
2	54	42,000	18 + 36	14,000	28,000	-	-	-
		48,000		15,600	32,400	-	-	-
2	48	42,000	24 + 24	21,000	21,000	-	-	-
		48,000		24,000	24,000	-	-	-
2	54	42,000	24 + 30	18,700	23,300	-	-	-
		48,000		21,000	27,000	-	-	-
3	18	18,000	6 + 6 + 6	6,000	6,000	6,000	-	-
		21,600		7,200	7,200	7,200	-	-
3	21	21,000	6 + 6 + 9	6,000	6,000	9,000	-	-
		25,200		7,200	7,200	10,800	-	-
3	24	24,000	6 + 6 + 12	6,000	6,000	12,000	-	-
		28,800		7,200	7,200	14,400	-	-
3	27	27,000	6 + 6 + 15	6,000	6,000	15,000	-	-
		32,800		7,300	7,300	18,200	-	-
3	30	30,000	6 + 6 + 18	6,000	6,000	18,000	-	-
		36,900		7,400	7,400	22,100	-	-
3	36	36,000	6 + 6 + 24	6,000	6,000	24,000	-	-
		45,000		7,500	7,500	30,000	-	-
3	42	42,000	6 + 6 + 30	6,000	6,000	30,000	-	-
		48,000		6,700	6,700	34,500	-	-
3	48	42,000	6 + 6 + 36	5,300	5,300	31,500	-	-
		48,000		5,800	5,800	36,400	-	-
3	24	24,000	6 + 9 + 9	6,000	9,000	9,000	-	-
		28,800		7,200	10,800	10,800	-	-
3	27	27,000	6 + 9 + 12	6,000	9,000	12,000	-	-
		32,800		7,300	10,900	14,600	-	-
3	30	30,000	6 + 9 + 15	6,000	9,000	15,000	-	-
		36,900		7,400	11,100	18,500	-	-
3	33	33,000	6 + 9 + 18	6,000	9,000	18,000	-	-
		40,900		7,400	11,200	22,300	-	-
3	39	39,000	6 + 9 + 24	6,000	9,000	24,000	-	-
		46,500		7,200	10,700	28,600	-	-
3	45	42,000	6 + 9 + 30	5,600	8,400	28,000	-	-
		48,000		6,300	9,400	32,300	-	-
3	51	42,000	6 + 9 + 36	4,900	7,400	29,600	-	-
		48,000		5,500	8,200	34,300	-	-
3	30	30,000	6 + 12 + 12	6,000	12,000	12,000	-	-
		36,900		7,400	14,800	14,800	-	-
3	33	33,000	6 + 12 + 15	6,000	12,000	15,000	-	-
		40,900		7,400	14,900	18,600	-	-
3	36	36,000	6 + 12 + 18	6,000	12,000	18,000	-	-
		45,000		7,500	15,000	22,500	-	-
3	42	42,000	6 + 12 + 24	6,000	12,000	24,000	-	-
		48,000		6,900	13,700	27,400	-	-
3	48	42,000	6 + 12 + 30	5,300	10,500	26,300	-	-
		48,000		5,900	11,800	30,300	-	-

NTXMPH42A152AA OPERATIONAL PERFORMANCE, CONTD.

NON-DUCTED:

# of indoor unit	Total Nominal Capacity (x1000 Btu/h)	Total Indoor Unit Capacity (Btu/h)	Operational Performance for Indoor Unit Combinations (Unit A + Unit B + Unit C + Unit D + Unit E)	Cooling Capacity Range (Btu/h)				
				Heating Capacity Range (Btu/h)				
				Unit A	Unit B	Unit C	Unit D	Unit E
3	54	42,000	6 + 12 + 36	4,700	9,300	28,000	-	-
		48,000		5,200	10,400	32,400	-	-
3	36	36,000	6 + 15 + 15	6,000	15,000	15,000	-	-
		45,000		7,500	18,800	18,800	-	-
3	39	39,000	6 + 15 + 18	6,000	15,000	18,000	-	-
		46,500		7,200	17,900	21,500	-	-
3	45	42,000	6 + 15 + 24	5,600	14,000	22,400	-	-
		48,000		6,400	16,000	25,600	-	-
3	51	42,000	6 + 15 + 30	4,900	12,400	24,700	-	-
		48,000		5,600	13,900	28,500	-	-
3	42	42,000	6 + 18 + 18	6,000	18,000	18,000	-	-
		48,000		6,900	20,600	20,600	-	-
3	48	42,000	6 + 18 + 24	5,300	15,800	21,000	-	-
		48,000		6,000	18,000	24,000	-	-
3	54	42,000	6 + 18 + 30	4,700	14,000	23,300	-	-
		48,000		5,300	15,800	27,000	-	-
3	54	42,000	6 + 24 + 24	4,700	18,700	18,700	-	-
		48,000		5,300	21,300	21,300	-	-
3	27	27,000	9 + 9 + 9	9,000	9,000	9,000	-	-
		32,800		10,900	10,900	10,900	-	-
3	30	30,000	9 + 9 + 12	9,000	9,000	12,000	-	-
		36,900		11,100	11,100	14,800	-	-
3	33	33,000	9 + 9 + 15	9,000	9,000	15,000	-	-
		40,900		11,200	11,200	18,600	-	-
3	36	36,000	9 + 9 + 18	9,000	9,000	18,000	-	-
		45,000		11,300	11,300	22,500	-	-
3	42	42,000	9 + 9 + 24	9,000	9,000	24,000	-	-
		48,000		10,300	10,300	27,400	-	-
3	48	42,000	9 + 9 + 30	7,900	7,900	26,300	-	-
		48,000		8,900	8,900	30,300	-	-
3	54	42,000	9 + 9 + 36	7,000	7,000	28,000	-	-
		48,000		7,800	7,800	32,400	-	-
3	33	33,000	9 + 12 + 12	9,000	12,000	12,000	-	-
		40,900		11,200	14,900	14,900	-	-
3	36	36,000	9 + 12 + 15	9,000	12,000	15,000	-	-
		45,000		11,300	15,000	18,800	-	-
3	39	39,000	9 + 12 + 18	9,000	12,000	18,000	-	-
		46,500		10,700	14,300	21,500	-	-
3	45	42,000	9 + 12 + 24	8,400	11,200	22,400	-	-
		48,000		9,600	12,800	25,600	-	-
3	51	42,000	9 + 12 + 30	7,400	9,900	24,700	-	-
		48,000		8,300	11,100	28,500	-	-
3	39	39,000	9 + 15 + 15	9,000	15,000	15,000	-	-
		46,500		10,700	17,900	17,900	-	-
3	42	42,000	9 + 15 + 18	9,000	15,000	18,000	-	-
		48,000		10,300	17,100	20,600	-	-
3	48	42,000	9 + 15 + 24	7,900	13,100	21,000	-	-
		48,000		9,000	15,000	24,000	-	-
3	54	42,000	9 + 15 + 30	7,000	11,700	23,300	-	-
		48,000		7,900	13,200	27,000	-	-
3	45	42,000	9 + 18 + 18	8,400	16,800	16,800	-	-
		48,000		9,600	19,200	19,200	-	-
3	51	42,000	9 + 18 + 24	7,400	14,800	19,800	-	-
		48,000		8,500	16,900	22,600	-	-
3	36	36,000	12 + 12 + 12	12,000	12,000	12,000	-	-
		45,000		15,000	15,000	15,000	-	-
3	39	39,000	12 + 12 + 15	12,000	12,000	15,000	-	-
		46,500		14,300	14,300	17,900	-	-
3	42	42,000	12 + 12 + 18	12,000	12,000	18,000	-	-
		48,000		13,700	13,700	20,600	-	-

NTXMPH42A152AA OPERATIONAL PERFORMANCE, CONTD.

NON-DUCTED:

# of indoor unit	Total Nominal Capacity (x1000 Btu/h)	Total Indoor Unit Capacity (Btu/h)	Operational Performance for Indoor Unit Combinations (Unit A + Unit B + Unit C + Unit D + Unit E)	Cooling Capacity Range (Btu/h)				
				Heating Capacity Range (Btu/h)				
				Unit A	Unit B	Unit C	Unit D	Unit E
3	48	42,000	12 + 12 + 24	10,500	10,500	21,000	-	-
		48,000		12,000	12,000	24,000	-	-
3	54	42,000	12 + 12 + 30	9,300	9,300	23,300	-	-
		48,000		10,500	10,500	27,000	-	-
3	42	42,000	12 + 15 + 15	12,000	15,000	15,000	-	-
		48,000		13,700	17,100	17,100	-	-
3	45	42,000	12 + 15 + 18	11,200	14,000	16,800	-	-
		48,000		12,800	16,000	19,200	-	-
3	51	42,000	12 + 15 + 24	9,900	12,400	19,800	-	-
		48,000		11,300	14,100	22,600	-	-
3	48	42,000	12 + 18 + 18	10,500	15,800	15,800	-	-
		48,000		12,000	18,000	18,000	-	-
3	54	42,000	12 + 18 + 24	9,300	14,000	18,700	-	-
		48,000		10,700	16,000	21,300	-	-
3	45	42,000	15 + 15 + 15	14,000	14,000	14,000	-	-
		48,000		16,000	16,000	16,000	-	-
3	48	42,000	15 + 15 + 18	13,100	13,100	15,800	-	-
		48,000		15,000	15,000	18,000	-	-
3	54	42,000	15 + 15 + 24	11,700	11,700	18,700	-	-
		48,000		13,300	13,300	21,300	-	-
3	51	42,000	15 + 18 + 18	12,400	14,800	14,800	-	-
		48,000		14,100	16,900	16,900	-	-
3	54	42,000	18 + 18 + 18	14,000	14,000	14,000	-	-
		48,000		16,000	16,000	16,000	-	-
4	24	24,000	6 + 6 + 6 + 6	6,000	6,000	6,000	6,000	-
		28,800		7,200	7,200	7,200	7,200	-
4	27	27,000	6 + 6 + 6 + 9	6,000	6,000	6,000	9,000	-
		32,800		7,300	7,300	7,300	10,900	-
4	30	30,000	6 + 6 + 6 + 12	6,000	6,000	6,000	12,000	-
		36,900		7,400	7,400	7,400	14,800	-
4	33	33,000	6 + 6 + 6 + 15	6,000	6,000	6,000	15,000	-
		40,900		7,400	7,400	7,400	18,600	-
4	36	36,000	6 + 6 + 6 + 18	6,000	6,000	6,000	18,000	-
		45,000		7,500	7,500	7,500	22,500	-
4	42	42,000	6 + 6 + 6 + 24	6,000	6,000	6,000	24,000	-
		48,000		6,900	6,900	6,900	27,400	-
4	48	42,000	6 + 6 + 6 + 30	5,300	5,300	5,300	26,300	-
		48,000		5,900	5,900	5,900	30,300	-
4	54	42,000	6 + 6 + 6 + 36	4,700	4,700	4,700	28,000	-
		48,000		5,200	5,200	5,200	32,400	-
4	30	30,000	6 + 6 + 9 + 9	6,000	6,000	9,000	9,000	-
		36,900		7,400	7,400	11,100	11,100	-
4	33	33,000	6 + 6 + 9 + 12	6,000	6,000	9,000	12,000	-
		40,900		7,400	7,400	11,200	14,900	-
4	36	36,000	6 + 6 + 9 + 15	6,000	6,000	9,000	15,000	-
		45,000		7,500	7,500	11,300	18,800	-
4	39	39,000	6 + 6 + 9 + 18	6,000	6,000	9,000	18,000	-
		46,500		7,200	7,200	10,700	21,500	-
4	45	42,000	6 + 6 + 9 + 24	5,600	5,600	8,400	22,400	-
		48,000		6,400	6,400	9,600	25,600	-
4	51	42,000	6 + 6 + 9 + 30	4,900	4,900	7,400	24,700	-
		48,000		5,600	5,600	8,300	28,500	-
4	36	36,000	6 + 6 + 12 + 12	6,000	6,000	12,000	12,000	-
		45,000		7,500	7,500	15,000	15,000	-
4	39	39,000	6 + 6 + 12 + 15	6,000	6,000	12,000	15,000	-
		46,500		7,200	7,200	14,300	17,900	-
4	42	42,000	6 + 6 + 12 + 18	6,000	6,000	12,000	18,000	-
		48,000		6,900	6,900	13,700	20,600	-
4	48	42,000	6 + 6 + 12 + 24	5,300	5,300	10,500	21,000	-
		48,000		6,000	6,000	12,000	24,000	-
4	54	42,000	6 + 6 + 12 + 30	4,700	4,700	9,300	23,300	-
		48,000		5,300	5,300	10,500	27,000	-

NTXMPH42A152AA OPERATIONAL PERFORMANCE, CONTD.

NON-DUCTED:

# of indoor unit	Total Nominal Capacity (x1000 Btu/h)	Total Indoor Unit Capacity (Btu/h)	Operational Performance for Indoor Unit Combinations (Unit A + Unit B + Unit C + Unit D + Unit E)	Cooling Capacity Range (Btu/h)				
				Heating Capacity Range (Btu/h)				
				Unit A	Unit B	Unit C	Unit D	Unit E
4	42	42,000	6 + 6 + 15 + 15	6,000	6,000	15,000	15,000	-
		48,000		6,900	6,900	17,100	17,100	-
4	45	42,000	6 + 6 + 15 + 18	5,600	5,600	14,000	16,800	-
		48,000		6,400	6,400	16,000	19,200	-
4	51	42,000	6 + 6 + 15 + 24	4,900	4,900	12,400	19,800	-
		48,000		5,600	5,600	14,100	22,600	-
4	48	42,000	6 + 6 + 18 + 18	5,300	5,300	15,800	15,800	-
		48,000		6,000	6,000	18,000	18,000	-
4	54	42,000	6 + 6 + 18 + 24	4,700	4,700	14,000	18,700	-
		48,000		5,300	5,300	16,000	21,300	-
4	33	33,000	6 + 9 + 9 + 9	6,000	9,000	9,000	9,000	-
		40,900		7,400	11,200	11,200	11,200	-
4	36	36,000	6 + 9 + 9 + 12	6,000	9,000	9,000	12,000	-
		45,000		7,500	11,300	11,300	15,000	-
4	39	39,000	6 + 9 + 9 + 15	6,000	9,000	9,000	15,000	-
		46,500		7,200	10,700	10,700	17,900	-
4	42	42,000	6 + 9 + 9 + 18	6,000	9,000	9,000	18,000	-
		48,000		6,900	10,300	10,300	20,600	-
4	48	42,000	6 + 9 + 9 + 24	5,300	7,900	7,900	21,000	-
		48,000		6,000	9,000	9,000	24,000	-
4	54	42,000	6 + 9 + 9 + 30	4,700	7,000	7,000	23,300	-
		48,000		5,300	7,900	7,900	27,000	-
4	39	39,000	6 + 9 + 12 + 12	6,000	9,000	12,000	12,000	-
		46,500		7,200	10,700	14,300	14,300	-
4	42	42,000	6 + 9 + 12 + 15	6,000	9,000	12,000	15,000	-
		48,000		6,900	10,300	13,700	17,100	-
4	45	42,000	6 + 9 + 12 + 18	5,600	8,400	11,200	16,800	-
		48,000		6,400	9,600	12,800	19,200	-
4	51	42,000	6 + 9 + 12 + 24	4,900	7,400	9,900	19,800	-
		48,000		5,600	8,500	11,300	22,600	-
4	45	42,000	6 + 9 + 15 + 15	5,600	8,400	14,000	14,000	-
		48,000		6,400	9,600	16,000	16,000	-
4	48	42,000	6 + 9 + 15 + 18	5,300	7,900	13,100	15,800	-
		48,000		6,000	9,000	15,000	18,000	-
4	54	42,000	6 + 9 + 15 + 24	4,700	7,000	11,700	18,700	-
		48,000		5,300	8,000	13,300	21,300	-
4	51	42,000	6 + 9 + 18 + 18	4,900	7,400	14,800	14,800	-
		48,000		5,600	8,500	16,900	16,900	-
4	42	42,000	6 + 12 + 12 + 12	6,000	12,000	12,000	12,000	-
		48,000		6,900	13,700	13,700	13,700	-
4	45	42,000	6 + 12 + 12 + 15	5,600	11,200	11,200	14,000	-
		48,000		6,400	12,800	12,800	16,000	-
4	48	42,000	6 + 12 + 12 + 18	5,300	10,500	10,500	15,800	-
		48,000		6,000	12,000	12,000	18,000	-
4	54	42,000	6 + 12 + 12 + 24	4,700	9,300	9,300	18,700	-
		48,000		5,300	10,700	10,700	21,300	-
4	51	42,000	6 + 15 + 15 + 15	4,900	12,400	12,400	12,400	-
		48,000		5,600	14,100	14,100	14,100	-
4	54	42,000	6 + 15 + 15 + 18	4,700	11,700	11,700	14,000	-
		48,000		5,300	13,300	13,300	16,000	-
4	36	36,000	9 + 9 + 9 + 9	9,000	9,000	9,000	9,000	-
		45,000		11,300	11,300	11,300	11,300	-
4	39	39,000	9 + 9 + 9 + 12	9,000	9,000	9,000	12,000	-
		46,500		10,700	10,700	10,700	14,300	-
4	42	42,000	9 + 9 + 9 + 15	9,000	9,000	9,000	15,000	-
		48,000		10,300	10,300	10,300	17,100	-
4	45	42,000	9 + 9 + 9 + 18	8,400	8,400	8,400	16,800	-
		48,000		9,600	9,600	9,600	19,200	-
4	51	42,000	9 + 9 + 9 + 24	7,400	7,400	7,400	19,800	-
		48,000		8,500	8,500	8,500	22,600	-
4	42	42,000	9 + 9 + 12 + 12	9,000	9,000	12,000	12,000	-
		48,000		10,300	10,300	13,700	13,700	-

NTXMPH42A152AA OPERATIONAL PERFORMANCE, CONTD.

NON-DUCTED:

# of indoor unit	Total Nominal Capacity (x1000 Btu/h)	Total Indoor Unit Capacity (Btu/h)	Operational Performance for Indoor Unit Combinations (Unit A + Unit B + Unit C + Unit D + Unit E)	Cooling Capacity Range (Btu/h)				
				Heating Capacity Range (Btu/h)				
				Unit A	Unit B	Unit C	Unit D	Unit E
4	45	42,000	9 + 9 + 12 + 15	8,400	8,400	11,200	14,000	-
		48,000		9,600	9,600	12,800	16,000	-
4	48	42,000	9 + 9 + 12 + 18	7,900	7,900	10,500	15,800	-
		48,000		9,000	9,000	12,000	18,000	-
4	54	42,000	9 + 9 + 12 + 24	7,000	7,000	9,300	18,700	-
		48,000		8,000	8,000	10,700	21,300	-
4	45	42,000	9 + 12 + 12 + 12	8,400	11,200	11,200	11,200	-
		48,000		9,600	12,800	12,800	12,800	-
4	48	42,000	9 + 12 + 12 + 15	7,900	10,500	10,500	13,100	-
		48,000		9,000	12,000	12,000	15,000	-
4	51	42,000	9 + 12 + 12 + 18	7,400	9,900	9,900	14,800	-
		48,000		8,500	11,300	11,300	16,900	-
4	48	42,000	12 + 12 + 12 + 12	10,500	10,500	10,500	10,500	-
		48,000		12,000	12,000	12,000	12,000	-
4	51	42,000	12 + 12 + 12 + 15	9,900	9,900	9,900	12,400	-
		48,000		11,300	11,300	11,300	14,100	-
4	54	42,000	12 + 12 + 15 + 15	9,300	9,300	11,700	11,700	-
		48,000		10,700	10,700	13,300	13,300	-
5	30	30,000	6 + 6 + 6 + 6 + 6	6,000	6,000	6,000	6,000	6,000
		36,900		7,400	7,400	7,400	7,400	7,400
5	33	33,000	6 + 6 + 6 + 6 + 9	6,000	6,000	6,000	6,000	9,000
		40,900		7,400	7,400	7,400	7,400	11,200
5	36	36,000	6 + 6 + 6 + 6 + 12	6,000	6,000	6,000	6,000	12,000
		45,000		7,500	7,500	7,500	7,500	15,000
5	39	39,000	6 + 6 + 6 + 6 + 15	6,000	6,000	6,000	6,000	15,000
		46,500		7,200	7,200	7,200	7,200	17,900
5	42	42,000	6 + 6 + 6 + 6 + 18	6,000	6,000	6,000	6,000	18,000
		48,000		6,900	6,900	6,900	6,900	20,600
5	48	42,000	6 + 6 + 6 + 6 + 24	5,300	5,300	5,300	5,300	21,000
		48,000		6,000	6,000	6,000	6,000	24,000
5	54	42,000	6 + 6 + 6 + 6 + 30	4,700	4,700	4,700	4,700	23,300
		48,000		5,300	5,300	5,300	5,300	27,000
5	36	36,000	6 + 6 + 6 + 9 + 9	6,000	6,000	6,000	9,000	9,000
		45,000		7,500	7,500	7,500	11,300	11,300
5	39	39,000	6 + 6 + 6 + 9 + 12	6,000	6,000	6,000	9,000	12,000
		46,500		7,200	7,200	7,200	10,700	14,300
5	42	42,000	6 + 6 + 6 + 9 + 15	6,000	6,000	6,000	9,000	15,000
		48,000		6,900	6,900	6,900	10,300	17,100
5	45	42,000	6 + 6 + 6 + 9 + 18	5,600	5,600	5,600	8,400	16,800
		48,000		6,400	6,400	6,400	9,600	19,200
5	51	42,000	6 + 6 + 6 + 9 + 24	4,900	4,900	4,900	7,400	19,800
		48,000		5,600	5,600	5,600	8,500	22,600
5	42	42,000	6 + 6 + 6 + 12 + 12	6,000	6,000	6,000	12,000	12,000
		48,000		6,900	6,900	6,900	13,700	13,700
5	45	42,000	6 + 6 + 6 + 12 + 15	5,600	5,600	5,600	11,200	14,000
		48,000		6,400	6,400	6,400	12,800	16,000
5	48	42,000	6 + 6 + 6 + 12 + 18	5,300	5,300	5,300	10,500	15,800
		48,000		6,000	6,000	6,000	12,000	18,000
5	54	42,000	6 + 6 + 6 + 12 + 24	4,700	4,700	4,700	9,300	18,700
		48,000		5,300	5,300	5,300	10,700	21,300
5	48	42,000	6 + 6 + 6 + 15 + 15	5,300	5,300	5,300	13,100	13,100
		48,000		6,000	6,000	6,000	15,000	15,000
5	51	42,000	6 + 6 + 6 + 15 + 18	4,900	4,900	4,900	12,400	14,800
		48,000		5,600	5,600	5,600	14,100	16,900
5	54	42,000	6 + 6 + 6 + 18 + 18	4,700	4,700	4,700	14,000	14,000
		48,000		5,300	5,300	5,300	16,000	16,000
5	39	39,000	6 + 6 + 9 + 9 + 9	6,000	6,000	9,000	9,000	9,000
		46,500		7,200	7,200	10,700	10,700	10,700
5	42	42,000	6 + 6 + 9 + 9 + 12	6,000	6,000	9,000	9,000	12,000
		48,000		6,900	6,900	10,300	10,300	13,700
5	45	42,000	6 + 6 + 9 + 9 + 15	5,600	5,600	8,400	8,400	14,000
		48,000		6,400	6,400	9,600	9,600	16,000

NTXMPH42A152AA OPERATIONAL PERFORMANCE, CONTD.

NON-DUCTED:

# of indoor unit	Total Nominal Capacity (x1000 Btu/h)	Total Indoor Unit Capacity (Btu/h)	Operational Performance for Indoor Unit Combinations (Unit A + Unit B + Unit C + Unit D + Unit E)	Cooling Capacity Range (Btu/h)				
				Heating Capacity Range (Btu/h)				
				Unit A	Unit B	Unit C	Unit D	Unit E
5	48	42,000	6 + 6 + 9 + 9 + 18	5,300	5,300	7,900	7,900	15,800
		48,000		6,000	6,000	9,000	9,000	18,000
5	54	42,000	6 + 6 + 9 + 9 + 24	4,700	4,700	7,000	7,000	18,700
		48,000		5,300	5,300	8,000	8,000	21,300
5	45	42,000	6 + 6 + 9 + 12 + 12	5,600	5,600	8,400	11,200	11,200
		48,000		6,400	6,400	9,600	12,800	12,800
5	48	42,000	6 + 6 + 9 + 12 + 15	5,300	5,300	7,900	10,500	13,100
		48,000		6,000	6,000	9,000	12,000	15,000
5	51	42,000	6 + 6 + 9 + 12 + 18	4,900	4,900	7,400	9,900	14,800
		48,000		5,600	5,600	8,500	11,300	16,900
5	51	42,000	6 + 6 + 9 + 15 + 15	4,900	4,900	7,400	12,400	12,400
		48,000		5,600	5,600	8,500	14,100	14,100
5	54	42,000	6 + 6 + 9 + 15 + 18	4,700	4,700	7,000	11,700	14,000
		48,000		5,300	5,300	8,000	13,300	16,000
5	48	42,000	6 + 6 + 12 + 12 + 12	5,300	5,300	10,500	10,500	10,500
		48,000		6,000	6,000	12,000	12,000	12,000
5	51	42,000	6 + 6 + 12 + 12 + 15	4,900	4,900	9,900	9,900	12,400
		48,000		5,600	5,600	11,300	11,300	14,100
5	54	42,000	6 + 6 + 12 + 12 + 18	4,700	4,700	9,300	9,300	14,000
		48,000		5,300	5,300	10,700	10,700	16,000
5	54	42,000	6 + 6 + 12 + 15 + 15	4,700	4,700	9,300	11,700	11,700
		48,000		5,300	5,300	10,700	13,300	13,300
5	42	42,000	6 + 9 + 9 + 9 + 9	6,000	9,000	9,000	9,000	9,000
		48,000		6,900	10,300	10,300	10,300	10,300
5	45	42,000	6 + 9 + 9 + 9 + 12	5,600	8,400	8,400	8,400	11,200
		48,000		6,400	9,600	9,600	9,600	12,800
5	48	42,000	6 + 9 + 9 + 9 + 15	5,300	7,900	7,900	7,900	13,100
		48,000		6,000	9,000	9,000	9,000	15,000
5	51	42,000	6 + 9 + 9 + 9 + 18	4,900	7,400	7,400	7,400	14,800
		48,000		5,600	8,500	8,500	8,500	16,900
5	48	42,000	6 + 9 + 9 + 12 + 12	5,300	7,900	7,900	10,500	10,500
		48,000		6,000	9,000	9,000	12,000	12,000
5	51	42,000	6 + 9 + 9 + 12 + 15	4,900	7,400	7,400	9,900	12,400
		48,000		5,600	8,500	8,500	11,300	14,100
5	54	42,000	6 + 9 + 9 + 12 + 18	4,700	7,000	7,000	9,300	14,000
		48,000		5,300	8,000	8,000	10,700	16,000
5	54	42,000	6 + 9 + 9 + 15 + 15	4,700	7,000	7,000	11,700	11,700
		48,000		5,300	8,000	8,000	13,300	13,300
5	51	42,000	6 + 9 + 12 + 12 + 12	4,900	7,400	9,900	9,900	9,900
		48,000		5,600	8,500	11,300	11,300	11,300
5	54	42,000	6 + 9 + 12 + 12 + 15	4,700	7,000	9,300	9,300	11,700
		48,000		5,300	8,000	10,700	10,700	13,300
5	54	42,000	6 + 12 + 12 + 12 + 12	4,700	9,300	9,300	9,300	9,300
		48,000		5,300	10,700	10,700	10,700	10,700
5	45	42,000	9 + 9 + 9 + 9 + 9	8,400	8,400	8,400	8,400	8,400
		48,000		9,600	9,600	9,600	9,600	9,600
5	48	42,000	9 + 9 + 9 + 9 + 12	7,900	7,900	7,900	7,900	10,500
		48,000		9,000	9,000	9,000	9,000	12,000
5	51	42,000	9 + 9 + 9 + 9 + 15	7,400	7,400	7,400	7,400	12,400
		48,000		8,500	8,500	8,500	8,500	14,100
5	54	42,000	9 + 9 + 9 + 9 + 18	7,000	7,000	7,000	7,000	14,000
		48,000		8,000	8,000	8,000	8,000	16,000
5	51	42,000	9 + 9 + 9 + 12 + 12	7,400	7,400	7,400	9,900	9,900
		48,000		8,500	8,500	8,500	11,300	11,300
5	54	42,000	9 + 9 + 9 + 12 + 15	7,000	7,000	7,000	9,300	11,700
		48,000		8,000	8,000	8,000	10,700	13,300
5	54	42,000	9 + 9 + 12 + 12 + 12	7,000	7,000	9,300	9,300	9,300
		48,000		8,000	8,000	10,700	10,700	10,700

DIMENSIONS: TAC-MKA31BC AND TAC-MKA51BC BRANCH BOXES

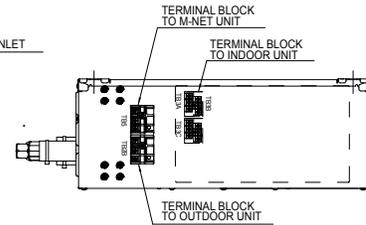
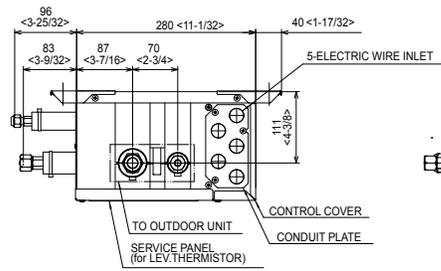
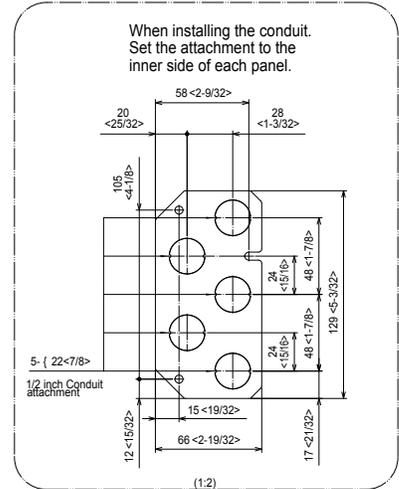
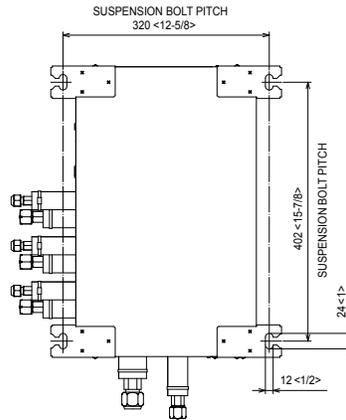
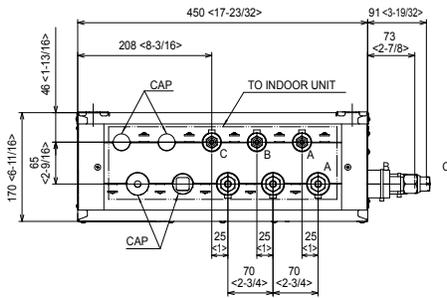
Unit: mm <in>

TAC-MKA31BC

SUSPENSION BOLT : W3/8(M10)

REFRIGERANT PIPE FLARED CONNECTION

	A	B	C		TO OUTDOOR UNIT
LIQUID PIPE	1/4F	1/4F	1/4F		3/8F
GAS PIPE	3/8F	3/8F	3/8F		5/8F



Unit: mm <in>

TAC-MKA51BC

SUSPENSION BOLT : W3/8(M10)

REFRIGERANT PIPE FLARED CONNECTION

	A	B	C	D	E	To Outdoor Unit
LIQUID PIPE	1/4F	1/4F	1/4F	1/4F	1/4F	3/8F
GAS PIPE	3/8F	3/8F	3/8F	3/8F	1/2F	5/8F

