

SUBMITTAL DATA

GMV-ND42A/B-T(U) for use with VRF Outdoor Unit
42000 BTU/H Multi-Position Air Handler Unit

Job Name	Location	Date
Purchaser	Engineer	
Submitted to	For	
Unit Designation	Schedule No.	



GMV-ND42A/B-T(U))



XE70

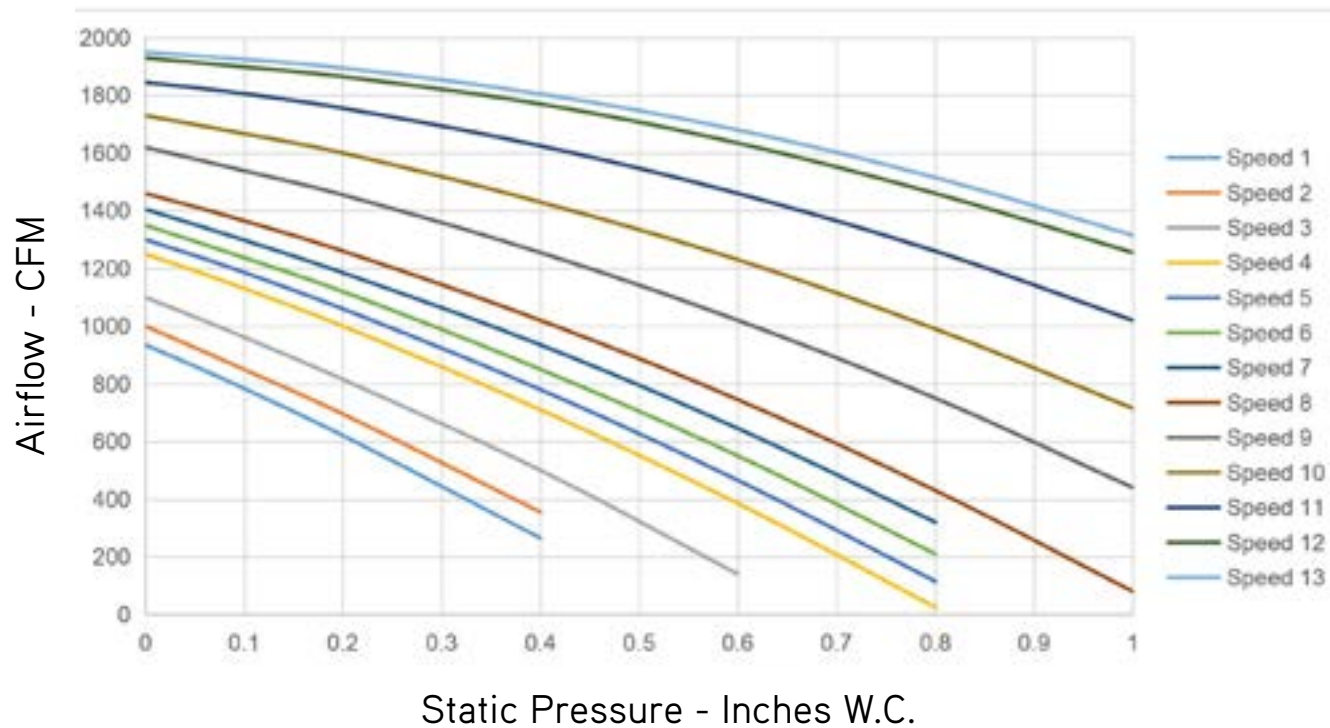
GENERAL FEATURES

- Multi Position Air Handler W/ Multiple Fan Speed
- DC Inverter Motor
- Multiple Protections
- Ultra-low Noise Operation
- Up to 1.0 In W.C. Static Pressure
- Electric Heater Options
- XE70 Wired Controller Included
- Performance Based on Outdoor Unit
- Coil - Copper Tube / Aluminum Fin
- Blue Colored Fin - 500 Hrs Salt Spray Tested

SPECIFICATIONS, FEATURES & FUNCTION SUMMARY

SPECIFICATIONS		GMV-ND42A/B-T(U))		FEATURES & FUNCTIONS SUMMARY		GMV-ND42A/B-T(U))			
System Type		HEAT PUMP							
SYSTEM PERFORMANCE				SYSTEM FEATURES					
Cooling	Nominal	Btu/h	42000	Wired Controller Interface		Yes			
	Capacity @95°F	Btu/h		WiFi Included		No			
Heating	Nominal	Btu/h	47000	Easy Service Access		Yes			
	Capacity @5°F	Btu/h		Indoor Fan Type		Centrifugal			
	Capacity @17°F	Btu/h		Multi Fan Speeds		3 Speeds			
	Capacity @47°F	W		Indoor Unit Display		No			
SEER2		System Performance Based on the Connected Outdoor Unit Performance				Electrical Heater		Yes	
EER2						Ventilation (Outdoor Air)		No	
HSPF2						REMOTE CONTROLLER FUNCTIONS			
COP @5°F						Auto Mode		Yes	
COP @47°F						Auto Fan		Yes	
Cooling Temperature Range		°F		Auto Swing (Horizontal Auto Swing)		NO			
Heating Temperature Range		°F		Auto Swing - 180° (Vertical Auto Swing)		Yes			
Refrigerant Type		R410A		Clock		Yes			
INDOOR UNIT		GMV-ND42A/B-T(U))		Dry Mode		Yes			
Air flow (Min-Max)		CFM	970 - 1230	Dry Anti-Mildew (X-Fan) Mode		Yes			
External Static Pressure (Default / Min - Max)		In W.c.	0.2 / 0-1.0	Energy Saving Mode		Yes			
Sound Pressure Level (Min - Max)		dB(A)	42 - 45	Dirty Filter Alert		No			
Electric Heater (Optional)		kW	5, 8 , 10, 15, 20	Fan Speed Control (7 Speeds)		Yes			
Condensate Drain Size (OD)		in	1	I Feel Function		Yes			
External Dimensions (WxHxD)		in	18-1/8 x 43-1/2 x 21-1/4	Privacy Lock		Yes			
Package Dimension (W x H x D)		in	20-3/8 x 46-1/8 x 24-3/8	Quiet Mode		Yes			
Net Weight		lbs	159	Room Temperature Display		No			
Gross Weight		lbs	170	Sleep Mode		Yes			
REFRIGERANT PIPING				3 Sleep Mode Options		Yes			
Line Set Sized by the Indoor Unit (Liquid - Gas)		in	3/8 - 5/8	Timer Mode		Yes			
ELECTRICAL				Turbo Mode		Yes			
Power Supply		208-230V / 1Ph / 60Hz		Display On/Off Control		Yes			
MCA		A	5	Freeze Guard Mode		Yes			
MOCP		A	15	Power Failure Mode		Yes			

FAN PERFORMANCE

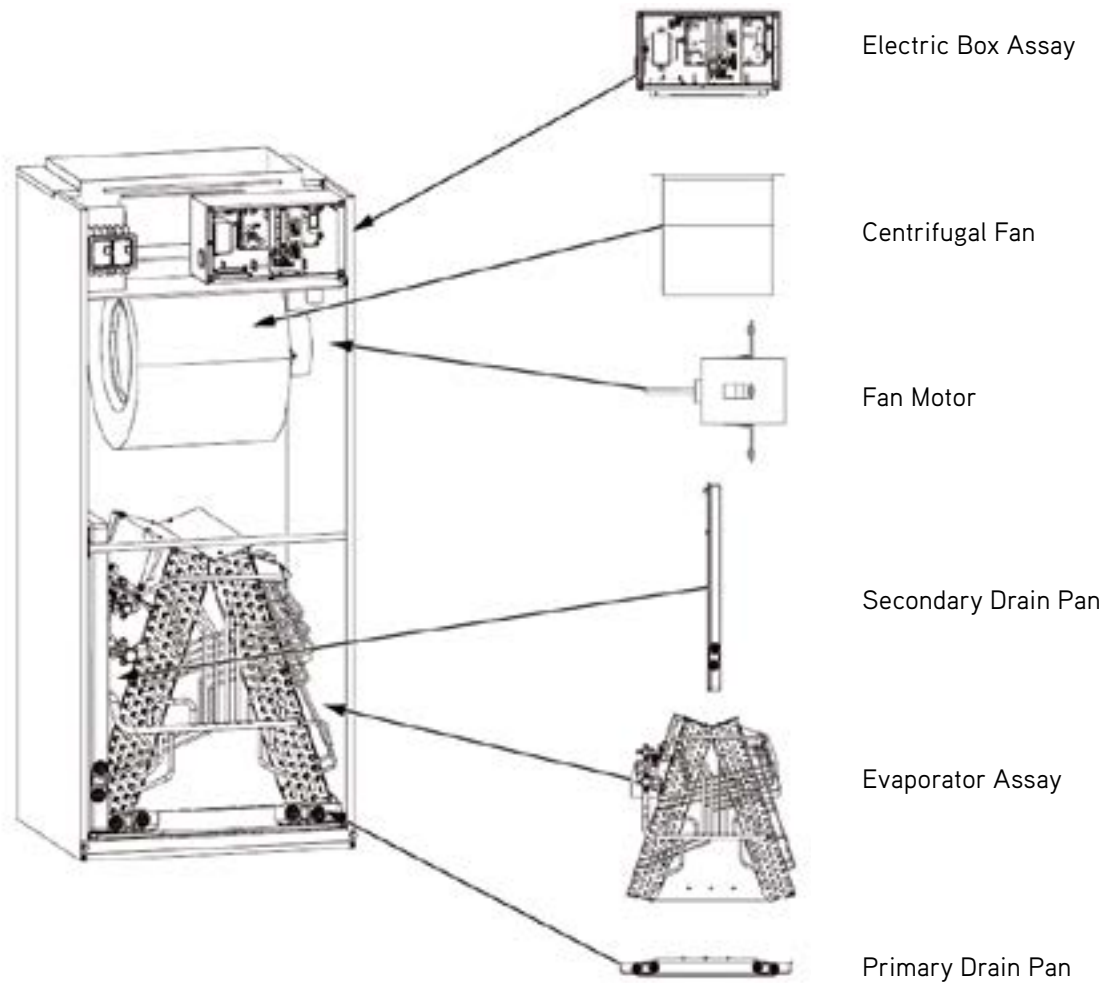


MODEL	GMV-ND42A/B-T(U)						
Level	Static Pressure (Inches. W.G.)						
	0	0.08	0.2	0.4	0.60	0.8	1
Speed 1	935						
Speed 2	1000						
Speed 3	1100	990					
Speed 4	1250	1155	1000				
Speed 5	1300	1210	1060				
Speed 6	1350	1260	1120				
Speed 7	1405	1320	1185	935			
Speed 8	1460	1385	1260	1020			
Speed 9	1620	1555	1455	1255	1020		
Speed 10	1730	1680	1600	1430	1230	990	
Speed 11	1845	1815	1755	1625	1460	1260	1020
Speed 12	1930	1905	1865	1770	1635	1460	1255
Speed 13	1950	1930	1895	1805	1680	1515	1315

NOTE:

The design range of the units air volume is from 1000~1260 CFM. The units would be damaged if they are used out of range.

ACCESSORY HEATER AND GENERAL INFORMATION



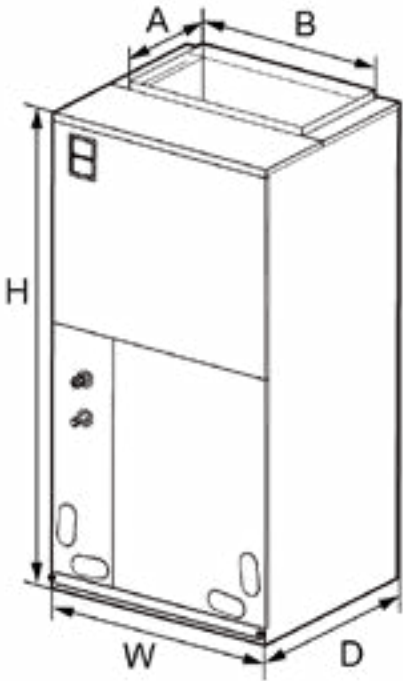
MODEL	Heat Kit Model	Electric Heat (kW)		Min. Circuit Ampacity (A)		Max. Fuse or Breaker (A)	
		208V	240V	208V	240V	208V	240V
GMV-ND42A/B-T(U)	FLEXXHTR5KW	3.74	5	22.6	26	25	30
	FLEXXHTR8KW	6.03	8	36	41.7	40	45
	FLEXXHTR10KW	7.49	10	45	52	45	60
	FLEXXHTR15KW	11.25	15	45 & 22.6	52 & 26	45 & 25	30 & 60
	FLEXXHTR20KW	7.49	9.2	45 & 45	52 & 52	45 & 45	60 & 60

DIMENSIONS & CLEARANCES

INDOOR UNIT

Unit: inch

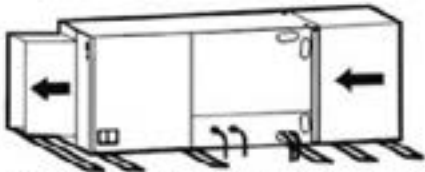
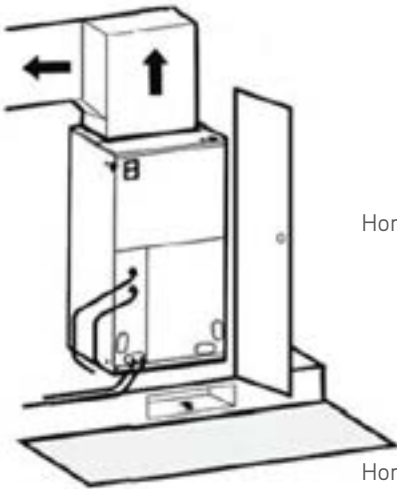
GMV-ND42A/B-T(U)	
DIMENSIONS	
W	21-1/4
D	21-1/4
H	48-1/4
A	11-5/8
B	20



INDOOR UNIT

Minimum clearance

FRONT	> 24
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Horizontal Left Configuration - No Modification Needed



Horizontal Right Configuration - Must Relocate Drain Pan

NOTE:
Allow a minimum of 24" in front of the unit for service clearance. When installing in an area directly over a finished ceiling (such as an attic), an emergency drain pan is required directly under the unit. **See local and state codes for requirements.** When installing this unit in an area that may become wet, elevate the unit with a sturdy, non-porous material. In installations that may lead to physical damage (i.e. a garage) it is advised to install a protective barrier to prevent such damage. This air handler is designed for a complete supply and return ductwork system.



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