

Nv-Series and P-Series Catalog



Spring 2020



EZ FIT™
Ceiling Cassette



kumo touch™
Wireless Controller



Floor Mount



Doing Our Part to Create a Better Future for All...

Core Environmental Policy

The Mitsubishi Electric Group promotes sustainable development and is committed to protecting and restoring the global environment through technology, all business activities and the actions of our employees.

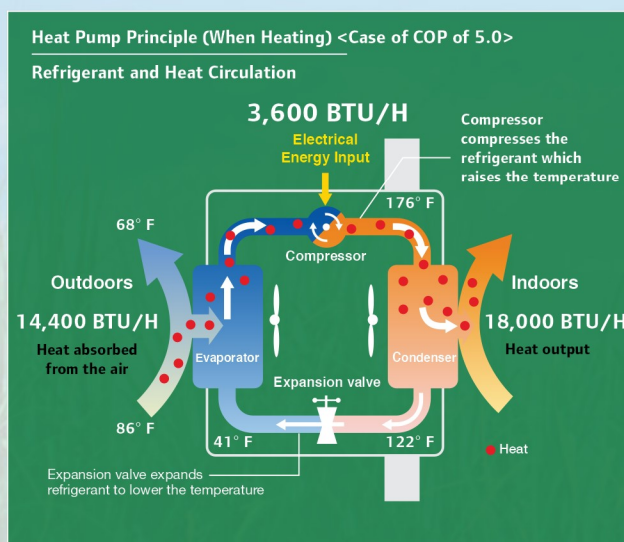


Mitsubishi Electric reflects the essence of this policy and vision in all aspects of its air conditioner business.

Preventing Global Warming

Heat pump technology inspires Mitsubishi Electric to design air conditioners that combine comfort and ecology.

















Mitsubishi Electric develops technologies to balance comfort and ecology, achieving greater efficiency in heat pump operation.



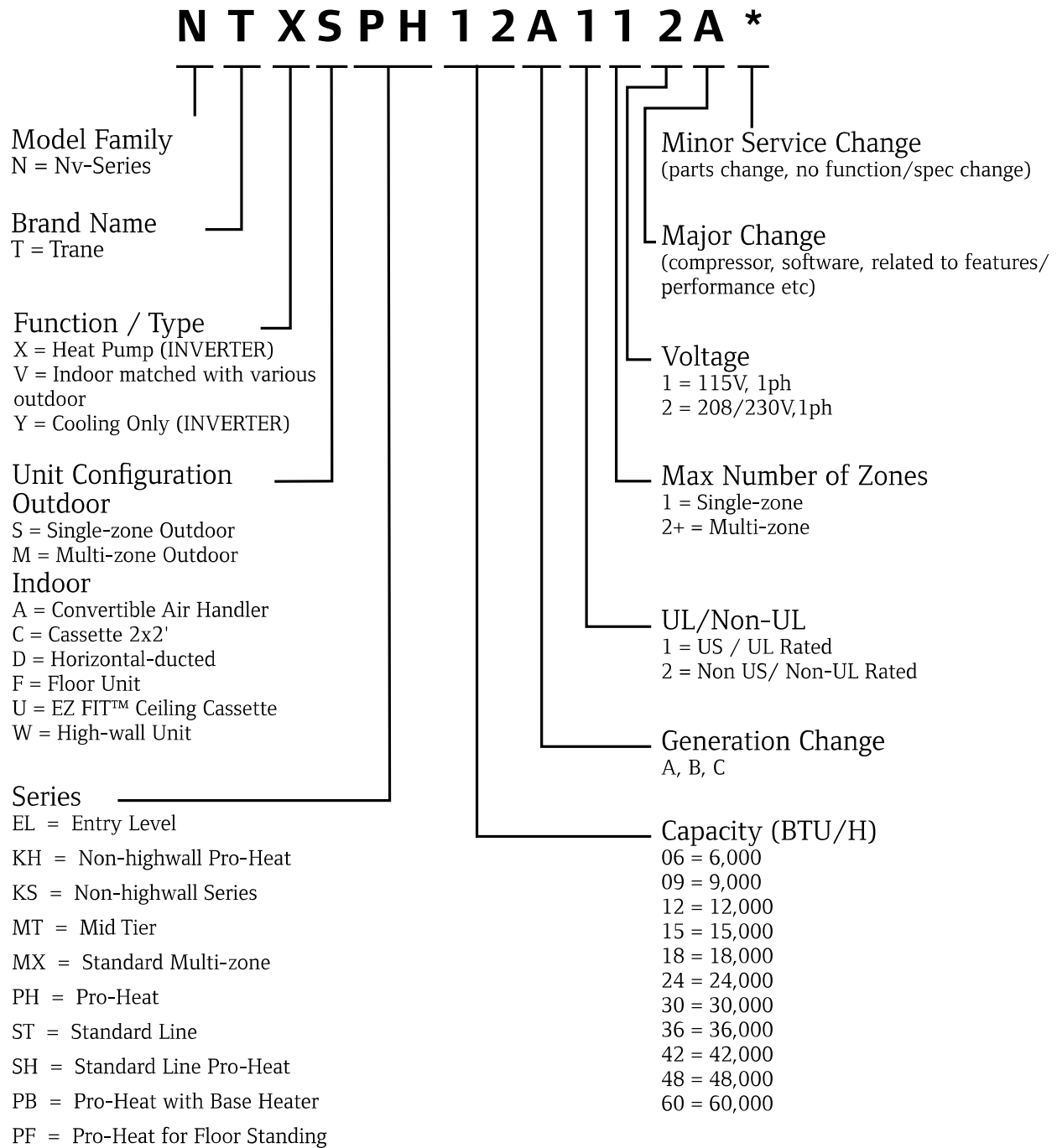
	Comfort	Ecology
1. Inverter	Faster start-up and more stable indoor temperature than non-inverter units.	Fewer On/Off operations than with non-inverter saving energy.
2. 3D i-see Sensor*	Since the position of people can be detected, airflow can be set to personal selection, such as direct airflow path. The ability to adjust to individual preferences results in more comfortable air conditioning.	Since the number of people in a room can be detected, energy-saving operation is adjusted or the power is turned off automatically. Efficient air conditioning with less waste is realized.
3. Flash Injection	Achieves high heating capacity even at low temperatures plus faster start-up compared to conventional inverters.	Expands the geographical region covered by heat pump heating systems.



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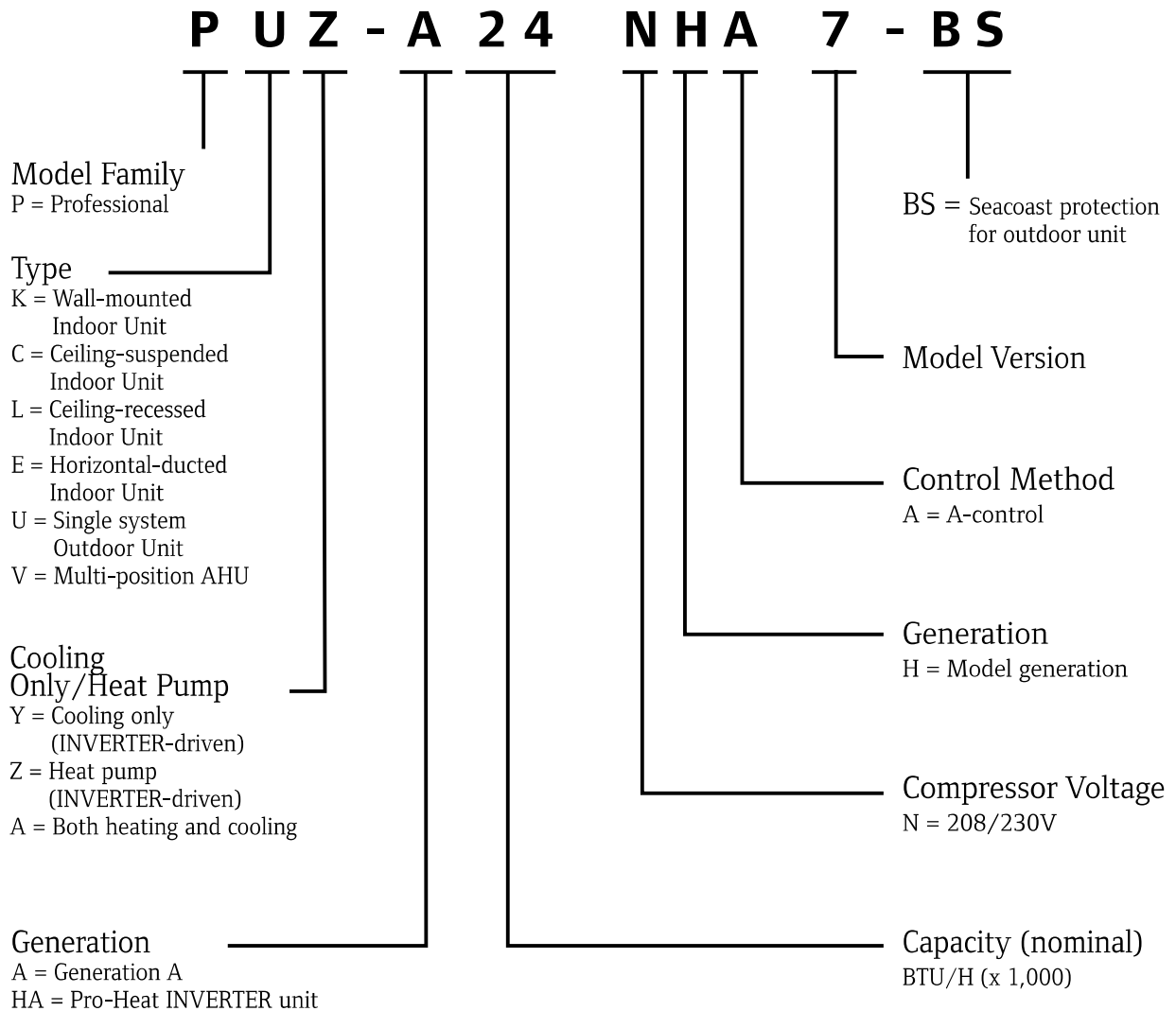
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Nv-Series Model Reference Guide















- Designed for residential applications
- User-friendly zoned cooling and heating solutions for single- or multi-room applications or the whole home
- Pro-Heat INVERTER-driven outdoor units can provide high heating performance at lower ambient temperatures
- Many ENERGY STAR® certified models

P-Series Model Reference Guide



- Designed for light commercial installations. Ideal for applications requiring year-round, low ambient cooling such as computer, elevator and equipment rooms
- Pro-Heat outdoor units can provide superior heating performance at lower ambient temperatures
- Long lineset lengths
- Outside air intake on PLA, PCA, PEAD and PVA models
- P-Series ducted units have higher static than most Nv-Series, allowing for design flexibility

Nv-Series


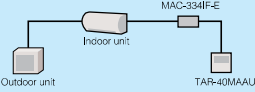
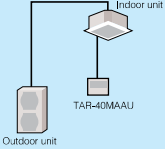

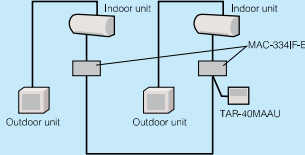
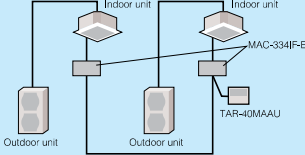
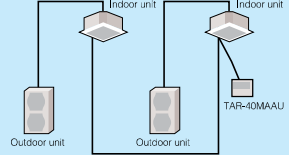

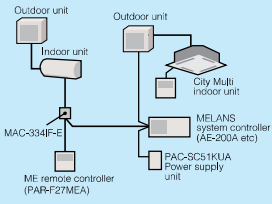
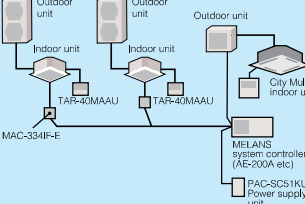
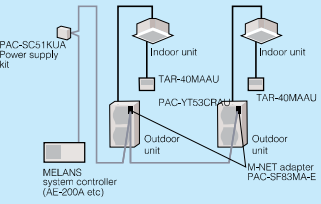
Model Name		6,000 BTU/H	9,000 BTU/H	12,000 BTU/H	15,000 BTU/H	18,000 BTU/H	24,000 BTU/H	30,000 BTU/H	36,000 BTU/H
Wall Mounted	NTXWPH Model 	●	●	●	●	●			
	MSZ-EF Model 		W·S·B ● *1	W·S·B ● *1	W·S·B ● *1	W·S·B ● *1			
	NTXWST Model 	● *1	●	●	●	●	●	●	●
	NTXWMT Model 		● *2	● *2	● *2	● *2	● *2		
	NTXWMT 115V Model 		● *2	● *2					
	NTXWEL Model 		● *2	● *2		● *2	● *2		
	NTYWST Model <small>COOLING ONLY</small> 		● *2	● *2	● *2	● *2	●	● *2	● *2
Floor Mounted	NTXFKS Model 		●	●	●	●			
EZ FIT™ Ceiling Cassette	NTXUKS Model 		●	●		●			
Multi-position Air Handler	NTXAMT Model 			●		●	●	●	●
Ceiling Cassette	NTXCKS Model 		●	●	●	● *2			
Horizontal Ducted	NTXDKS Model 		●	●	●	●			

*1 MX connection only
*2 Single-zone connection only

W·S·B: Indoor units are available in three colors; White, Silver, and Black.

System Control

Versatile system controls can be achieved by using optional parts, relay circuits, control panels, etc.

	System Examples		
Indoor Unit	Nv Series Indoor Unit	DKS, CKS, AMT	P Series Indoor Unit
Outdoor Unit	Nv Series and MX Series Outdoor	SKS and MX Series Outdoor	P Series Outdoor
 <p>TAR-40MAAU Control</p>			
Details	<ul style="list-style-type: none"> Wired remote controller can be connected to indoor unit 	Standard equipment (for indoor units compatible with wired remote controllers)	
Major Optional Parts Required	<ul style="list-style-type: none"> MAC-334IF-E (Interface) TAR-40MAAU (Wired remote controller) 	<ul style="list-style-type: none"> TAR-40MAAU (Wired remote controller) 	
 <p>System Group Control</p>			
Details	<ul style="list-style-type: none"> One remote controller can control plural air conditioners with the same settings simultaneously. One remote controller can control up to 16 refrigerant systems. (When connected to a MX unit, MAC-334IF-E is counted as one system.) Up to two remote controller can be connected. 		
Major Optional Parts Required	<ul style="list-style-type: none"> MAC-334IF-E (Interface) TAR-40MAAU (Wired remote controller) 	<ul style="list-style-type: none"> TAR-40MAAU (Wired remote controller) 	
 <p>M-NET Connections</p>			
Details	<ul style="list-style-type: none"> Group of air conditioners can be controlled by MELANS system controller (M-NET). <p>Note: When connecting to M-NET, the reduction control for the power failure automatic recovery does not operate and it will take 3 minutes to restart.</p>		
Major Optional Parts Required	<ul style="list-style-type: none"> MAC-334IF-E (M-NET Interface) MELANS System controller PAC-SC51KUA (power supply unit) 	<ul style="list-style-type: none"> PAC-SJ95MA-E/PAC-SJ96MA-E (M-NET converter) MELANS System controller PAC-SC51KUA (power supply unit) 	

For Nv-Series Indoor Units

	System Examples	Connection Details	Control Details	Major Optional Parts Required
<p>1 Remote On/Off Operation</p> <ul style="list-style-type: none"> Air conditioner can be started/stopped remotely. (1 and 2) can be used in combination) 	<p>MAC-334F-E Indoor unit Outdoor unit Remote control section (to be purchased locally)</p>	<p>Connect the interface to the air conditioner. Then connect the locally purchased remote controller to the terminal in the interface.</p>	<p>On/Off operation is possible from a remote location.</p>	<ul style="list-style-type: none"> MAC-334F-E (Interface) Parts for circuit such as relay box, lead wire, etc. (to be purchased locally)
<p>2 Remote Display of Operation Status</p> <ul style="list-style-type: none"> The On/Off status of air conditioners can be confirmed remotely. (1 and 2) can be used in combination) 	<p>MAC-334F-E Indoor unit Outdoor unit Remote monitor section (to be purchased locally) Resistance LED Power supply</p>	<p>Connect the interface to the air conditioner. Then connect the locally purchased remote controller to the terminal in the interface.</p>	<p>The operation status (On/Off) or error signals can be monitored from a remote location.</p>	<ul style="list-style-type: none"> MAC-334F-E (Interface) Parts for circuit to be purchased locally (DC power source needed) External power source (12V DC) is required when using MAC-334F-E.

For P-Series and CKS, DKS and AMT Indoor Units

	System Examples		Details	Major Optional Parts Required
	Wired remote controller	Wireless remote controller		
<p>A 2-remote Controller Control</p> <p>With two remote controllers, control can be performed locally and remotely from two locations.</p>	<p>TAR-40MAAU * Set "Main" and "Sub" remote controllers. (Example of 1 : 1 system)</p>	<p>PAR-FL32MA TAR-40MAAU * When using wired and wireless remote controllers (Example of Simultaneous Twin)</p>	<ul style="list-style-type: none"> Up to two remote controllers can be connected to one group. Both wired and wireless remote controllers can be used in combination. 	<ul style="list-style-type: none"> Wired Remote Controller TAR-40MAAU Wireless Remote Controller PAR-FL32MA Wireless Remote Controller Kit for PCA PAR-SL93B-E
<p>B Operation Control by Level Signal</p> <p>Air conditioner can be started/stopped remotely. In addition, On/Off operation by local remote controller can be prohibited/permitted.</p>	<p>Relay box (to be purchased locally) Remote control panel Wired remote controller (Example of 1 : 1 system x 2)</p>	<p>Relay box (to be purchased locally) Remote control panel PAR-FL32MA (Example of 1 : 1 system x 2)</p>	<ul style="list-style-type: none"> Operation other than On/Off (e.g., adjustment of temperature, fan speed, and airflow) can be performed even when remote controller operation is prohibited. Timer control is possible with an external timer. 	<ul style="list-style-type: none"> Adapter for remote On/Off PAC-SE55RA-E Relay box (to be purchased locally) Remote control panel (to be purchased locally)
<p>C Operation Control by Pulse Signal</p>	<p>Relay box (to be purchased locally) Remote control panel Wired remote controller (Example of 1 : 1 system x 2)</p>	<p>Relay box (to be purchased locally) Remote control panel PAR-FL32MA (Example of 1 : 1 system x 2)</p>	<ul style="list-style-type: none"> The pulse signal can be turned On/Off. Operation/emergency signal can be received at a remote location. 	<ul style="list-style-type: none"> Connector cable for remote display PAC-SA88HA-E / PAC-725AD (10 pcs. x PAC-SA88HA-E) Relay box (to be purchased locally) Remote control panel (to be purchased locally)
<p>D Remote Display of Operating Status</p> <p>Operating status can be displayed at a remote location.</p>	<p>Remote display panel Remote operation adapter/ Connector cable for remote display + Relay box TAR-40MAAU (Example of 1 : 1 system)</p>	<p>Remote display panel Remote operation adapter/ Connector cable for remote display + Relay box PAR-FL32MA (Example of Simultaneous Twin)</p>	<ul style="list-style-type: none"> Operation/emergency signal can be received at a remote location (when channeled through the PAC-SF40RM-E → no-voltage signal, when channeled through the PAC-SA88HA-E → DC 12V signal). 	<ul style="list-style-type: none"> Remote display panel (to be purchased locally) Connector cable for remote display PAC-SA88HA-E / PAC-725AD (10 pcs. x PAC-SA88HA-E) Relay box (to be purchased locally) Remote operation adapter PAC-SF40RM-E <p>*Unable to use with wireless remote controller</p>
<p>E Timer Operation</p> <p>Allows On/Off operation with timer</p> <p>*For control by an external timer, refer to [B] Operation Control by Level Signal.</p>	<p>TAR-40MAAU (Example of 1 : 1 system)</p>		<ul style="list-style-type: none"> Weekly Timer: On/Off and up to 8 pattern temperatures can be set for each calendar day. (Initial setting) On/Off Timer: On/Off can be set once each within 72 hr in intervals of 5-minute units. Auto-off Timer: Operation will be switched off after a certain time elapse. Set time can be changed from 30 min. to 4 hr. at 10 min. intervals. <p>*Simple Timer and Auto-off Timer cannot be used at the same time.</p>	<p>Standard functions of TAR-40MAAU</p>