[redacted]

[redacted]

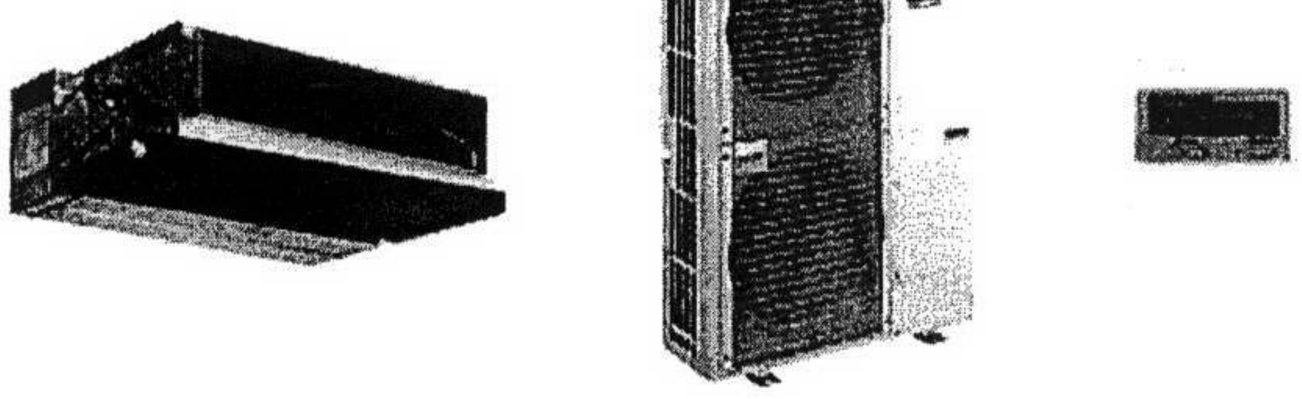
MITSUBISHI ELECTRIC
AIR CONDITIONING SYSTEMS

PEAD-RP125EA Power Inverter Heat Pump

R410A Ceiling Concealed Ducted System

Advanced inverter technology makes the Mr Slim Power Inverter the number one choice for improving comfort. They provide energy savings of up to 70% annually when compared to a previous non-inverter model. Operating noise has also been reduced thanks to improvements in fan design, while existing pipe work is reusable for easier maintenance and installation.

Model Info



Hover your mouse over the red icons below to view a description of each feature:

RVC

PEAD-RP125EA Indoor Unit

Capacity (kW):	
Heating (Nominal) (Low - High)	14.00 (5.00 - 16.00)
Cooling (Nominal) (Low - High)	12.50 (5.50 - 14.00)
Heating (UK) (Low -	

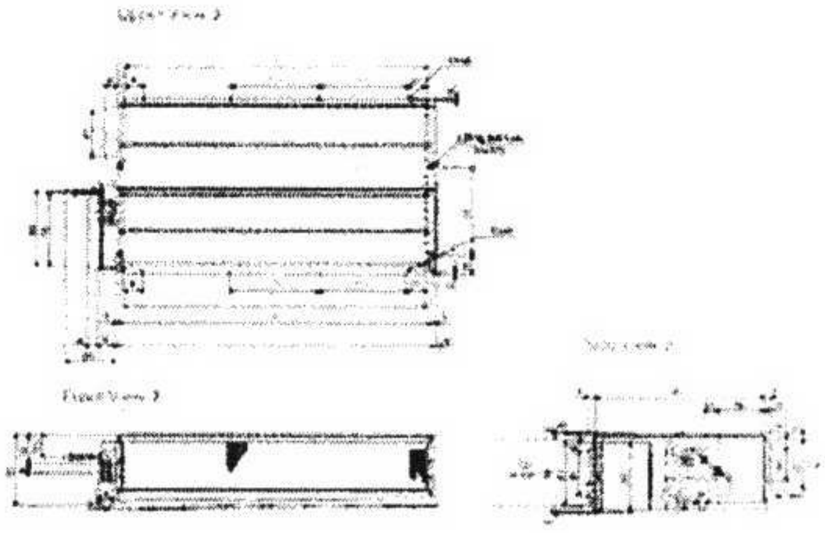
Dimensions

PEAD-RP125EA (Click to enlarge) **[Print]**

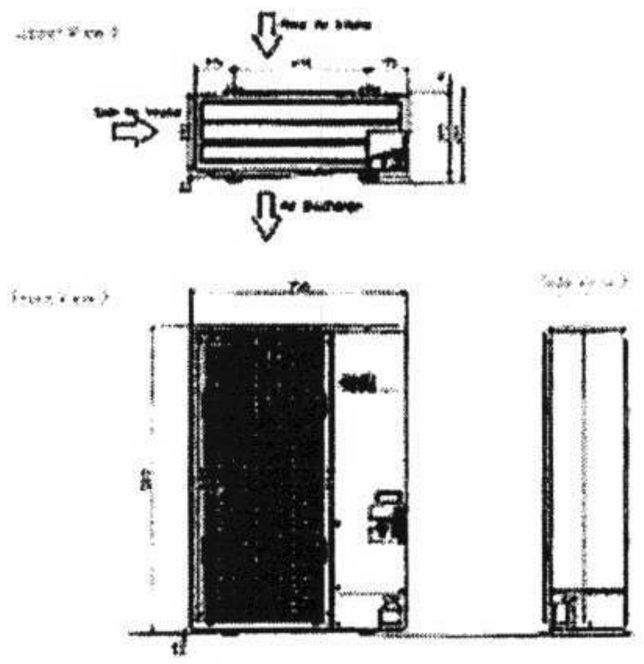
High)	11.90 (4.25 - 13.60)
Cooling (UK) (Low - High)	11.25 (4.95 - 12.60)
SHF R410A (Nominal)	0.82
COP / EER (Nominal)	3.61 / 3.21
Energy Label Heating / Cooling	A / A
Width - mm	1415
Depth - mm	740
Height - mm	325
Weight - kg	65
Airflow (m3/min) - Lo-Hi	33.5-42
External Static Pressure Pa - Lo-Hi	70-130
Noise (dBA) - Lo-Hi	44-50
Pipe Size Gas mm (in)	15.88 (5/8)
Pipe Size Liquid mm (in)	9.52 (3/8)
Electrical Supply	Fed by Outdoor Unit
Phase	Single
Fuse Rating (BS88) - HRC (A)	6
Interconnecting Cable No. Cores	4
Remote Controller Ref	PAR-21MAA

PUHZ-RP125VHA2 Outdoor Unit

Width - mm	950
Depth - mm	330 + 30
Height - mm	1350
Weight - kg	116
Noise (dBA) (Heating / Cooling)	52 / 50
Electrical Supply	220-240v, 50Hz
Phase	Single
Fuse Rating (BS88) - HRC (A)	32
System Power Input (kW) - Heating (Nominal)	3.88



PUHZ-RP125VHA2 (Click to enlarge). **[Print]**



System Power Input (kW) - Cooling (Nominal)	3.89
System Power Input (kW) - Heating (UK)	3.45
System Power Input (kW) - Cooling (UK)	3.31
Starting Current (A)	5
System Running Current (A) - Heating / Cooling	18.6 / 18.15
Mains Cable No. Cores	3
Max Pipe Length (m)	75
Max Height Difference (m)	30
Charge (kg) - 30m	5

[redacted]

[redacted]

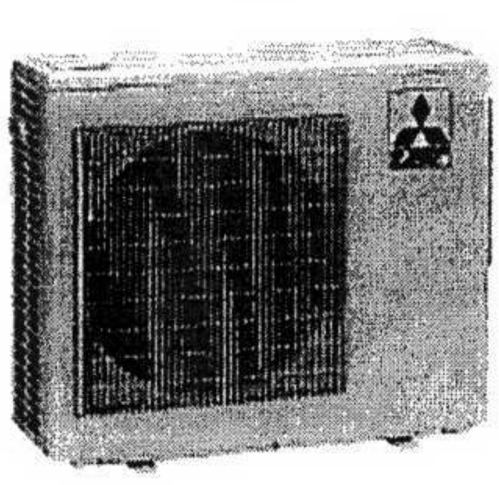
MITSUBISHI ELECTRIC
AIR CONDITIONING SYSTEMS

Home > Products > M Series > R410A Multi-Split Units > Inverter Heat Pump >

MXZ-3A54VA Inverter Heat Pump

R410A Multi-Split Unit

This Multi-Split System allows up to 3 Mr Slim or M Series indoor units to be operated from a single outdoor unit. This makes it an economic answer in multi-room applications, whilst also offering space saving benefits.



Hover your mouse over the red icons below to view a description of each feature:

Model Info

- Up to 3 indoor units of mixed capacities may be connected to a single outdoor unit
- Single outdoor unit for minimal noise and space impact
- Units may be added within the capacity of the system as requirements change
- Energy saving inverter controlled performance

MXZ-3A54VA

Capacity (kW):	
Heating (Nominal) (Low - High)	6.8 (2.6 - 9.0)
Cooling (Nominal) (Low - High)	5.4 (2.9 - 6.8)
Heating (UK) (Low - High)	5.65 (2.15 - 7.5)
Cooling (UK) (Low - High)	5.35 (2.9 - 6.75)
COP / EER (Nominal)	4.67 / 4.17

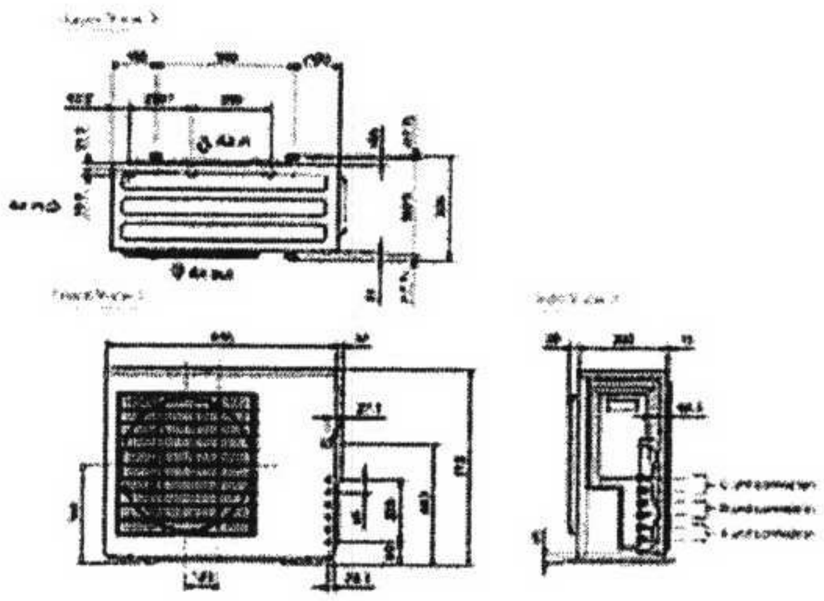
Dimensions

MXZ-3A54VA (Click to enlarge). **[Print]**

Energy Label Heating / Cooling	A / A
Maximum Number of Connectable Indoor Units	3
Width - mm	870
Depth - mm	330
Height - mm	710
Weight - kg	57
Airflow (m3/min) (Heating / Cooling)	41.2 / 42.1
Noise (dBA) (Heating / Cooling) - Lo-Hi	47-48 / 44-46
Electrical Supply	220-240v, 50Hz
Phase	Single
Fuse Rating (BS88) - HRC (A)	16
Interconnecting Cable No. Cores	4
Power Input (kW) - Heating (Nominal)	1.455
Power Input (kW) - Cooling (Nominal)	1.295
Power Input (kW) - Heating (UK)	1.32
Power Input (kW) - Cooling (UK)	1.04
Starting Current (A)	6.39
Running Current (A) - Heating / Cooling	6.39 / 5.69
Mains Cable No. Cores	3
Charge R410A (kg) - 40m	2.7

Piping Restrictions

Total Pipe Length (m)	50
Max Pipe Length per Indoor Unit (m)	25
Indoor to Outdoor Height (m)	15



[redacted]

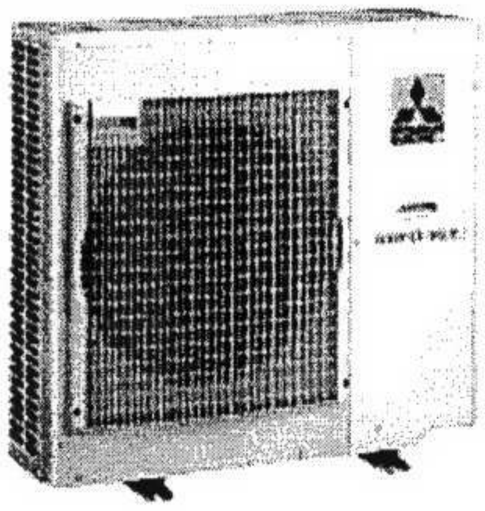
[redacted]

MITSUBISHI ELECTRIC
AIR CONDITIONING SYSTEMS

MXZ-4A80VA Inverter Heat Pump

R410A Multi-Split Unit

This Multi-Split System allows up to 4 Mr Slim or M Series indoor units to be operated from a single outdoor unit. This makes it an economic answer in multi-room applications, whilst also offering space saving benefits.



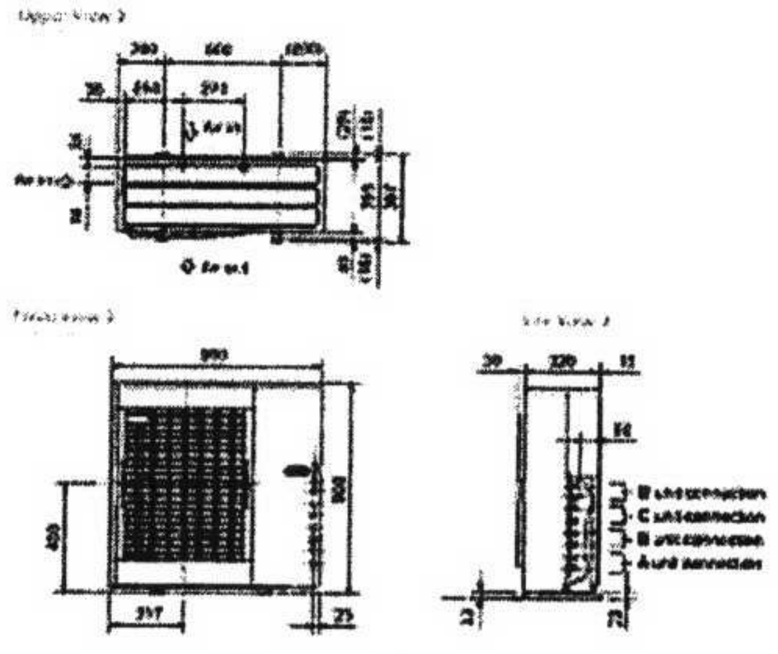
Hover your mouse over the red icons below to view a description of each feature:

Model Info

- Up to 4 indoor units of mixed capacities may be connected to a single outdoor unit
- Single outdoor unit for minimal noise and space impact
- Units may be added within the capacity of the system as requirements change
- Energy saving inverter controlled performance

Dimensions

MXZ-4A80VA (Click to enlarge). **[Print]**



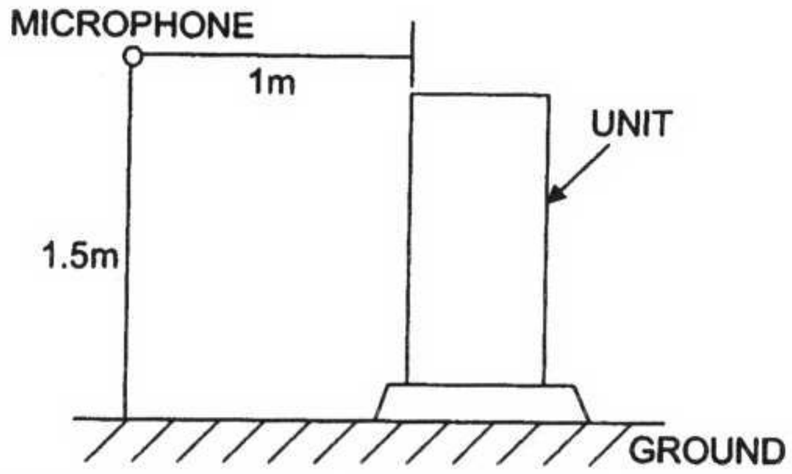
Capacity (kW):	
Heating (Nominal) (Low - High)	9.40 (3.40 - 11.60)
Cooling (Nominal) (Low - High)	8.00 (3.70 - 9.20)
Heating (UK) (Low - High)	7.80 (2.85 - 9.65)
Cooling (UK) (Low - High)	7.95 (3.65 - 9.15)
COP / EER (Nominal)	4.87 / 3.65
Energy Label Heating / Cooling	A / A
Maximum Number of Connectable Indoor Units	4
Width - mm	900
Depth - mm	355
Height - mm	900
Weight - kg	70
Airflow (m3/min) (Heating / Cooling)	43.8 / 42.2
Noise (dBA) (Heating / Cooling) - Lo-Hi	46-48 / 44-46
Electrical Supply	220-240v, 50Hz
Phase	Single
Fuse Rating (BS88) - HRC (A)	25
Interconnecting Cable No. Cores	4
Power Input (kW) - Heating (Nominal)	1.93
Power Input (kW) - Cooling (Nominal)	2.19
Power Input (kW) - Heating (UK)	1.76
Power Input (kW) - Cooling (UK)	1.75
Starting Current (A)	9.62
Running Current (A) - Heating / Cooling	8.48 / 9.62
Mains Cable No. Cores	3
Charge R410A (kg) -	

40m	3.5

Piping Restrictions

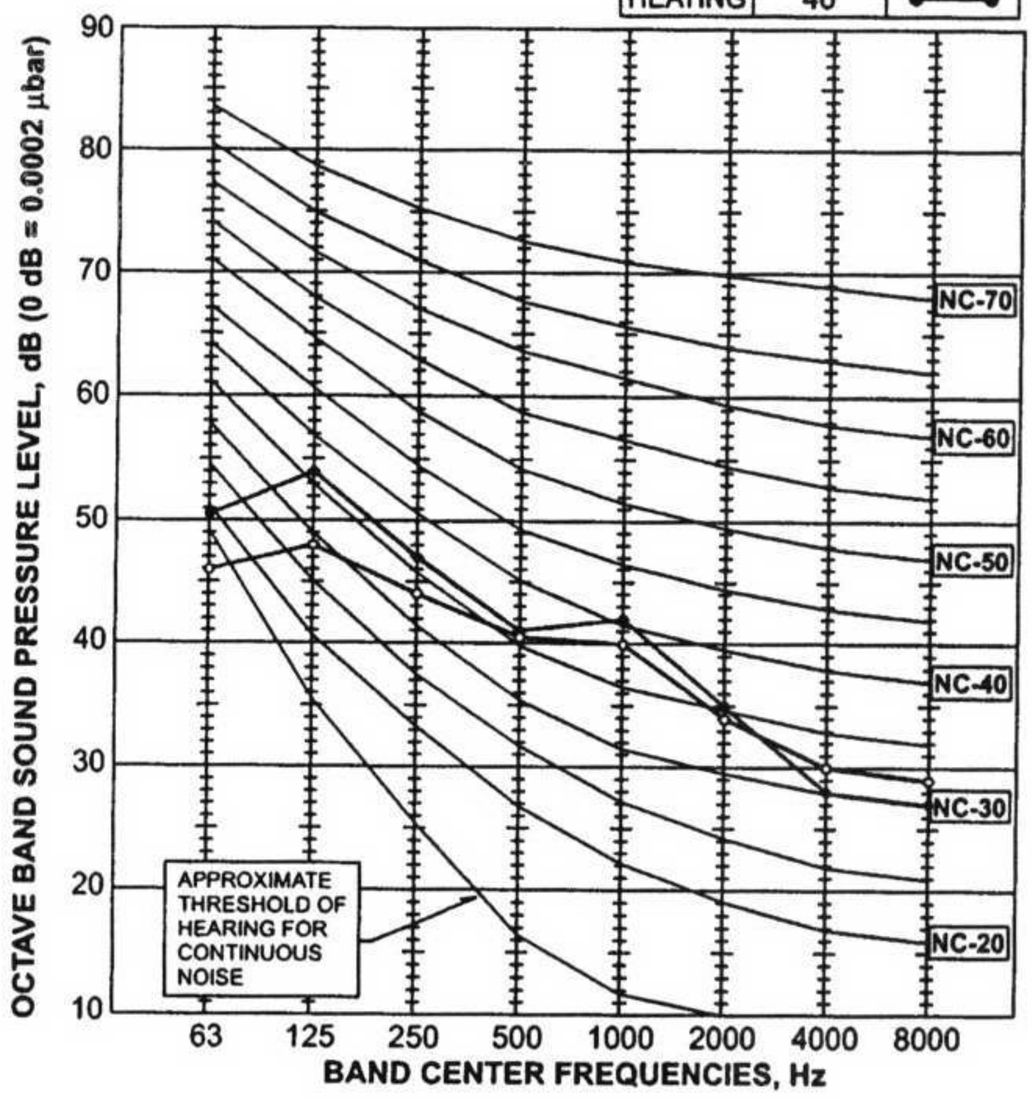
Total Pipe Length (m)	70
Max Pipe Length per Indoor Unit (m)	25
Indoor to Outdoor Height (m)	10

5-3. NOISE CRITERION CURVES



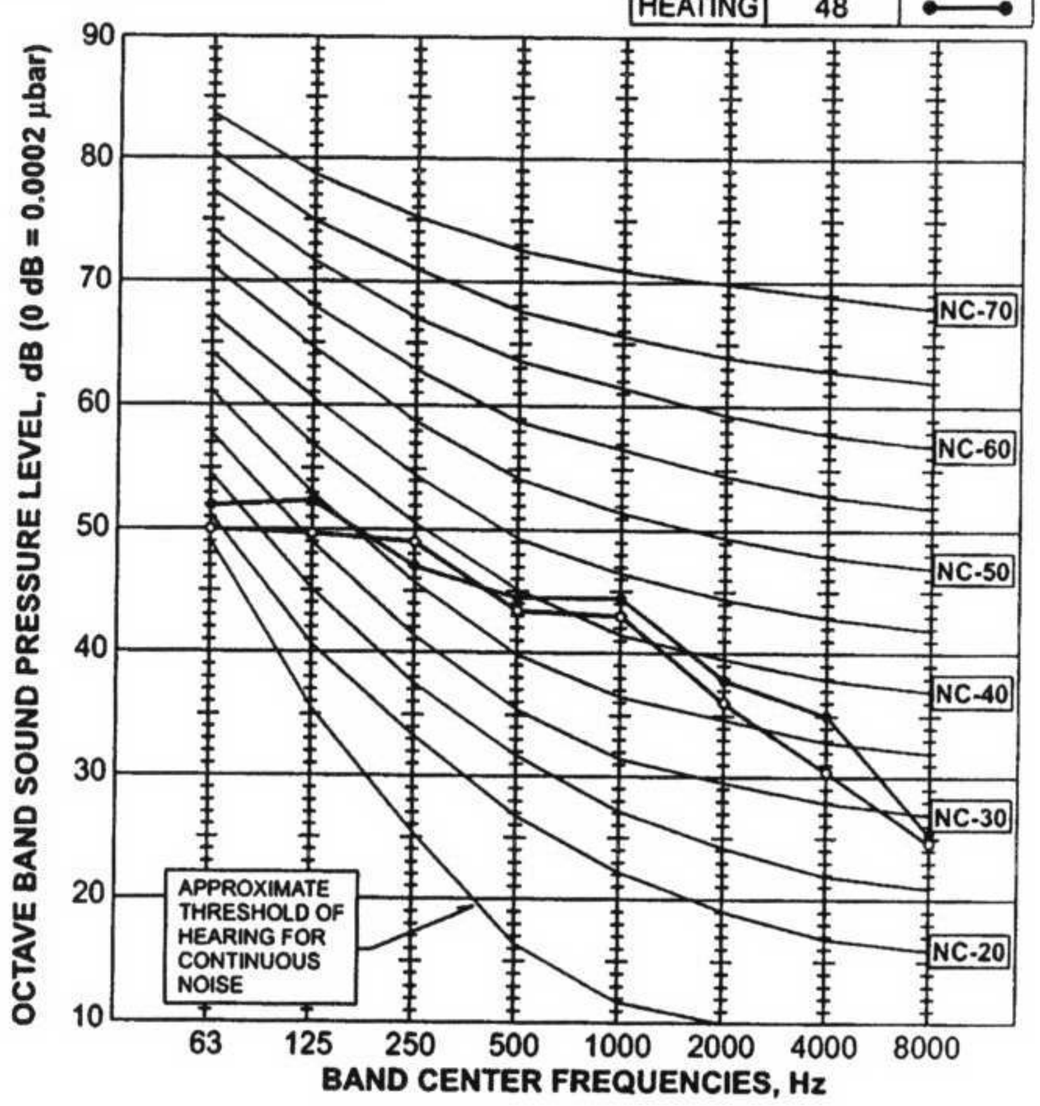
PUHZ-RP35VHA2
PUHZ-RP50VHA2

MODE	SPL(dB)	LINE
COOLING	44	
HEATING	46	



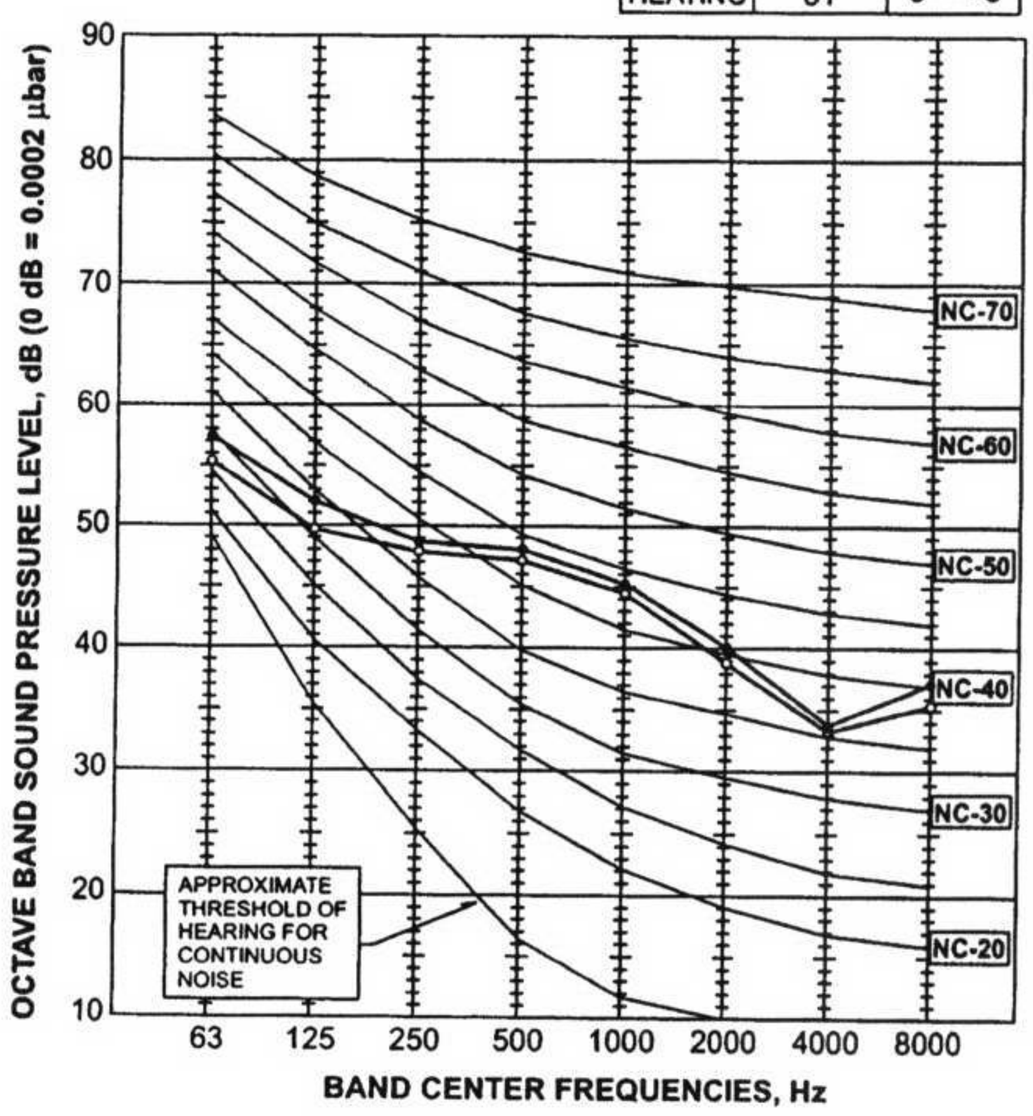
PUHZ-RP60VHA2
PUHZ-RP71VHA2

MODE	SPL(dB)	LINE
COOLING	47	
HEATING	48	



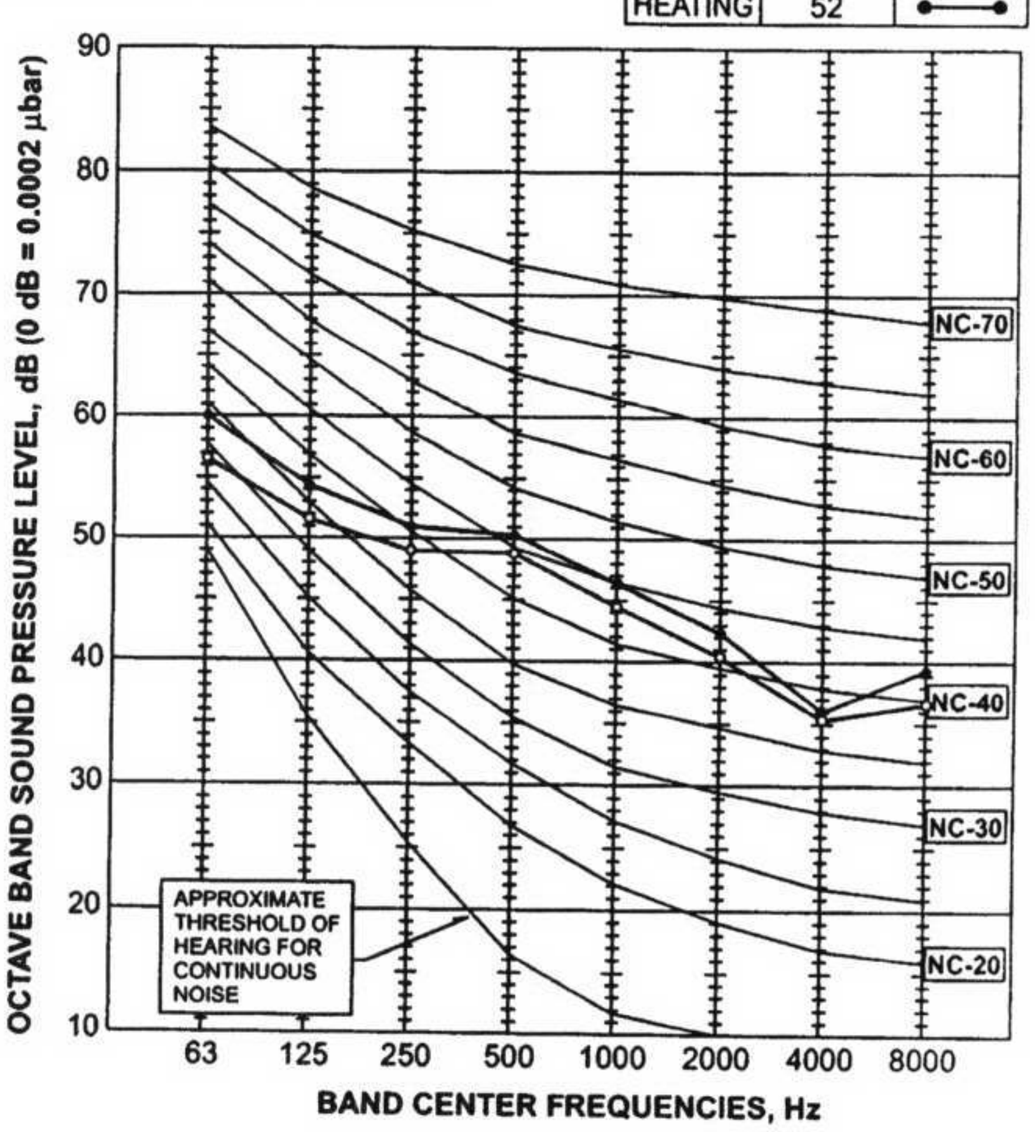
PUHZ-RP100VHA2
PUHZ-RP100YHA2

MODE	SPL(dB)	LINE
COOLING	49	
HEATING	51	



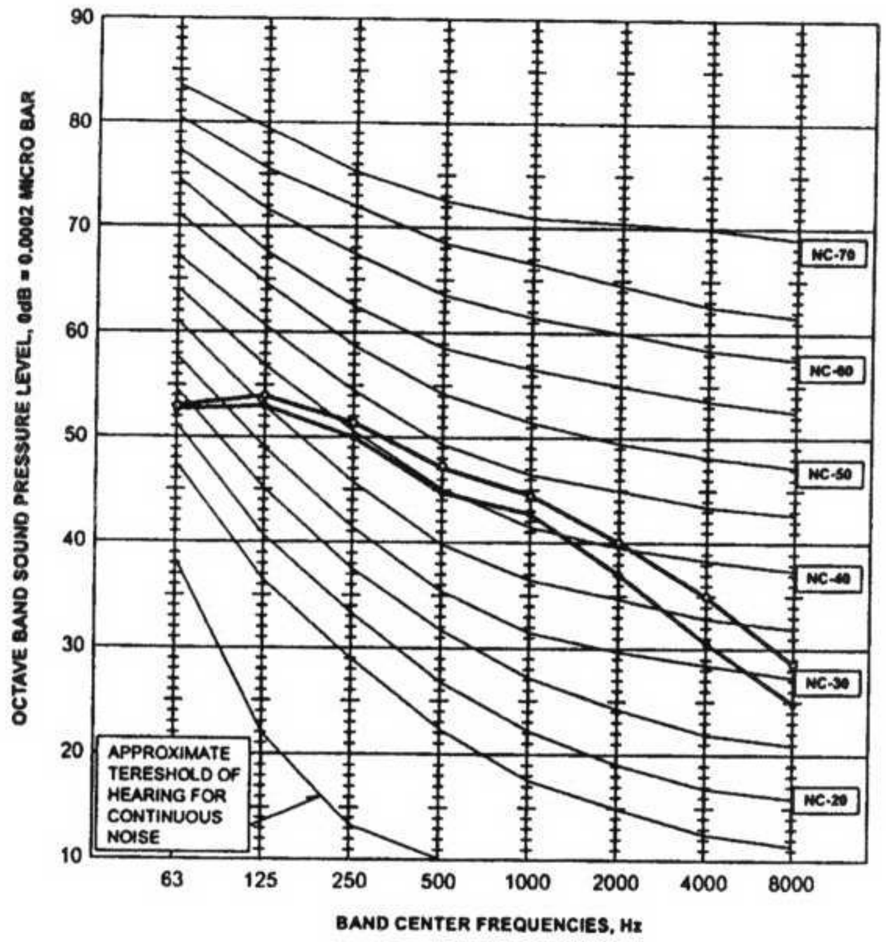
PUHZ-RP125/140VHA2
PUHZ-RP125/140YHA2

MODE	SPL(dB)	LINE
COOLING	50	
HEATING	52	



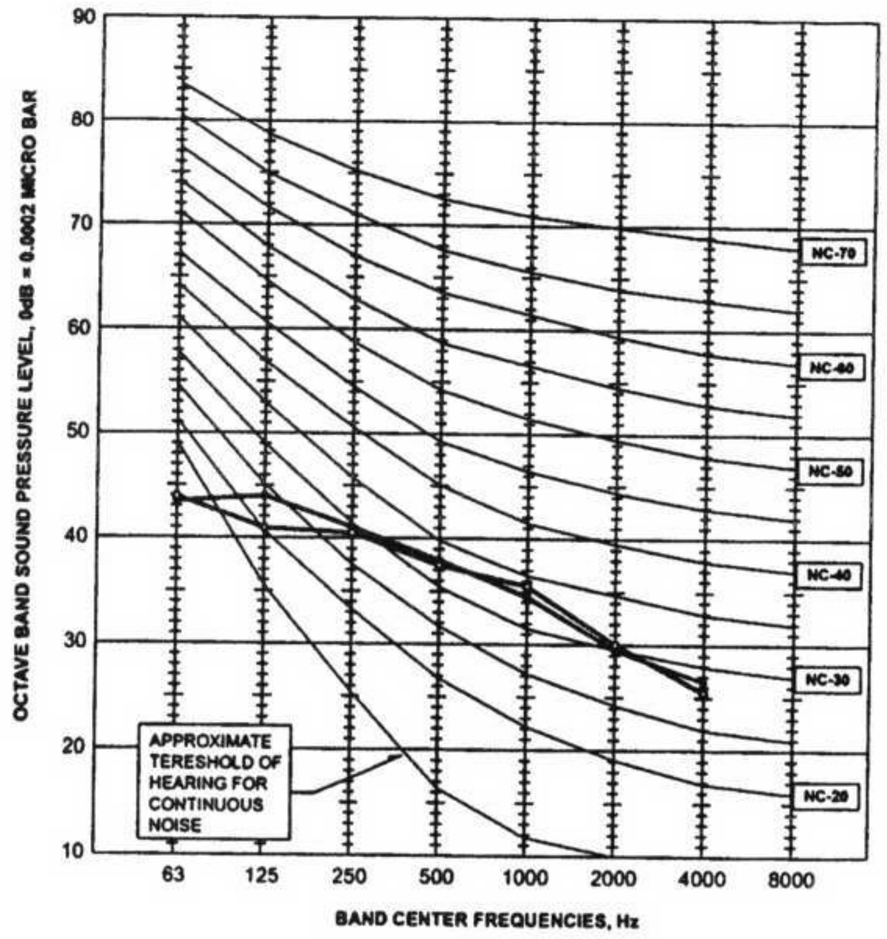
MXZ-4A71VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	48	●—●
High	Heating	50	○—○



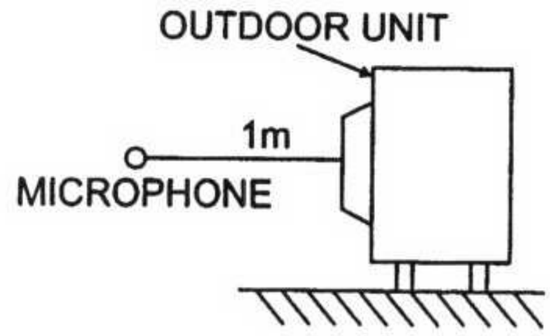
MXZ-4A80VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	46	●—●
High	Heating	48	○—○



Test conditions.

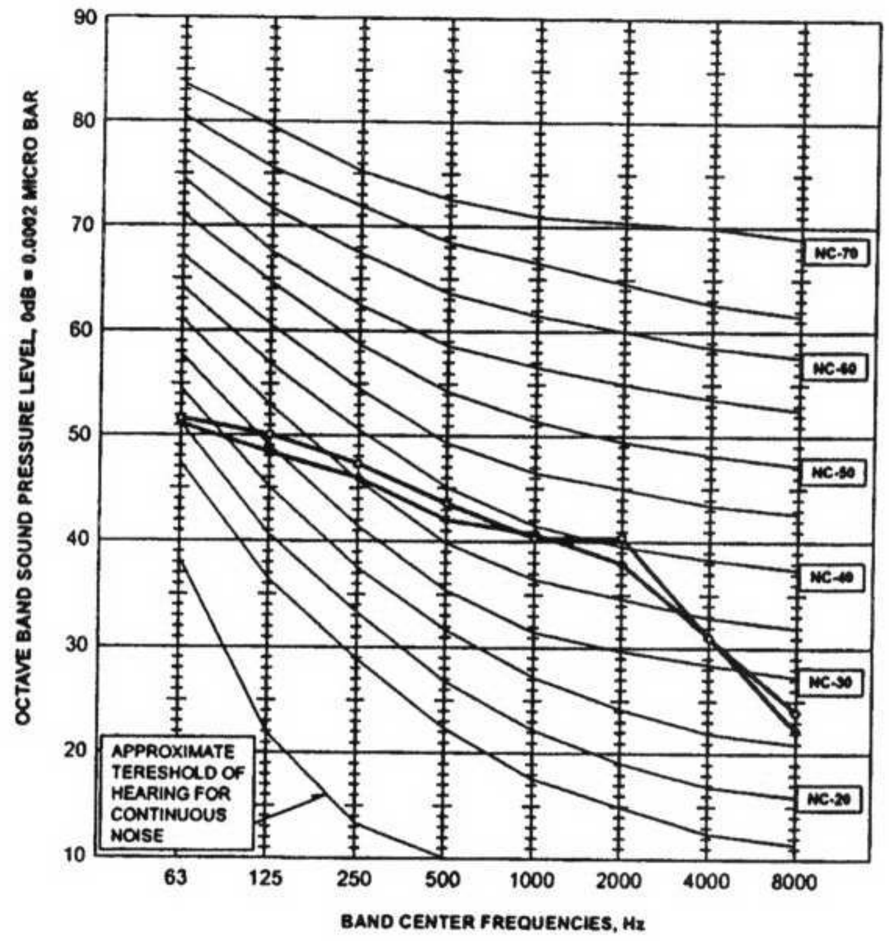
Cooling :Dry-bulb temperature 35℃ Wet-bulb temperature 24℃
Heating :Dry-bulb temperature 7℃ Wet-bulb temperature 6℃



NOISE CRITERIA CURVES

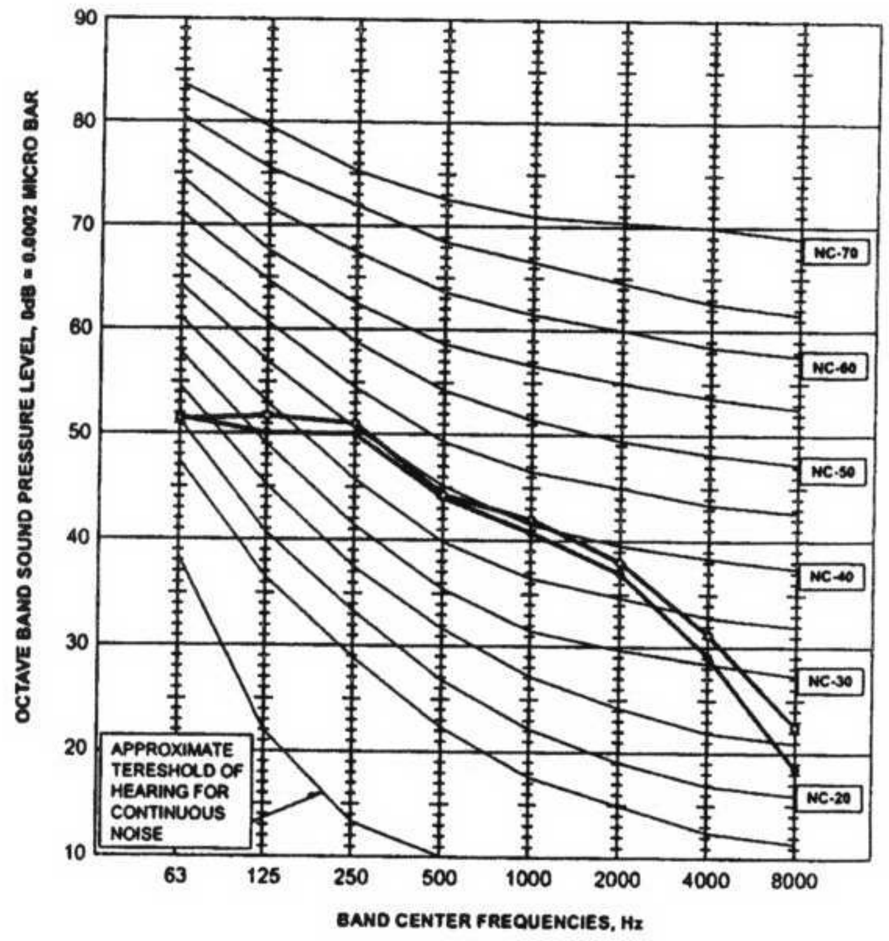
MXZ-2A30VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	46	●—●
High	Heating	47	○—○



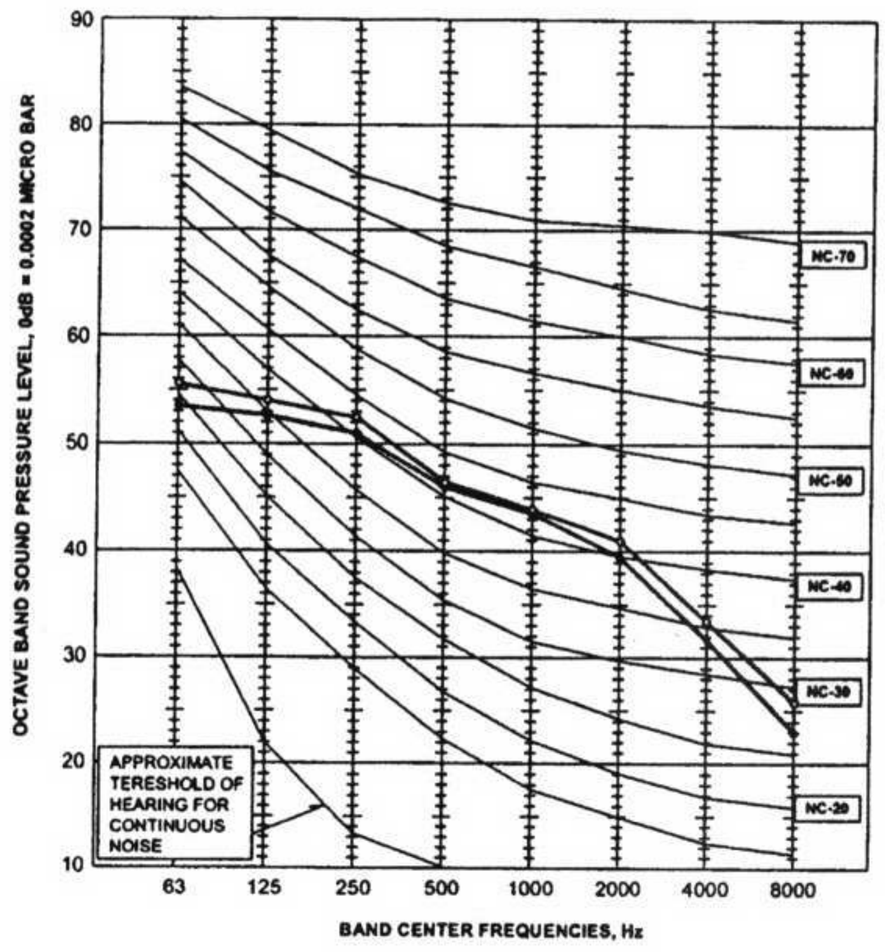
MXZ-2A40VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	47	●—●
High	Heating	48	○—○



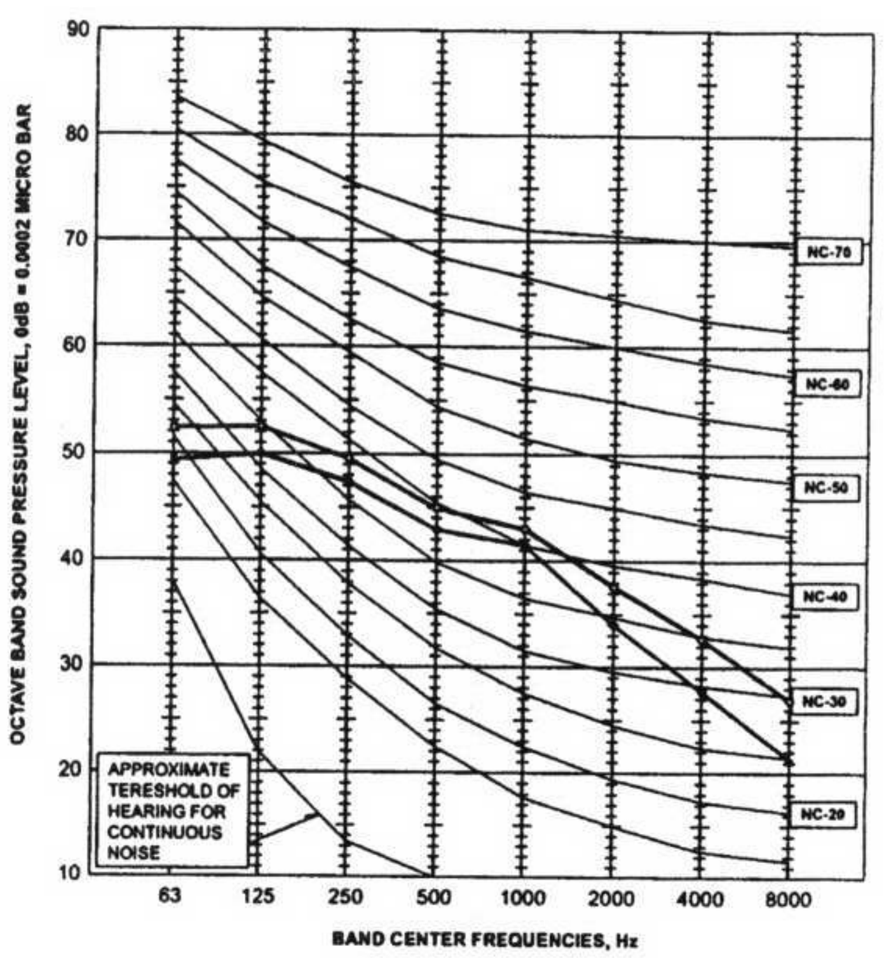
MXZ-2A52VA

FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	49	●—●
High	Heating	50	○—○



MXZ-3A54VA

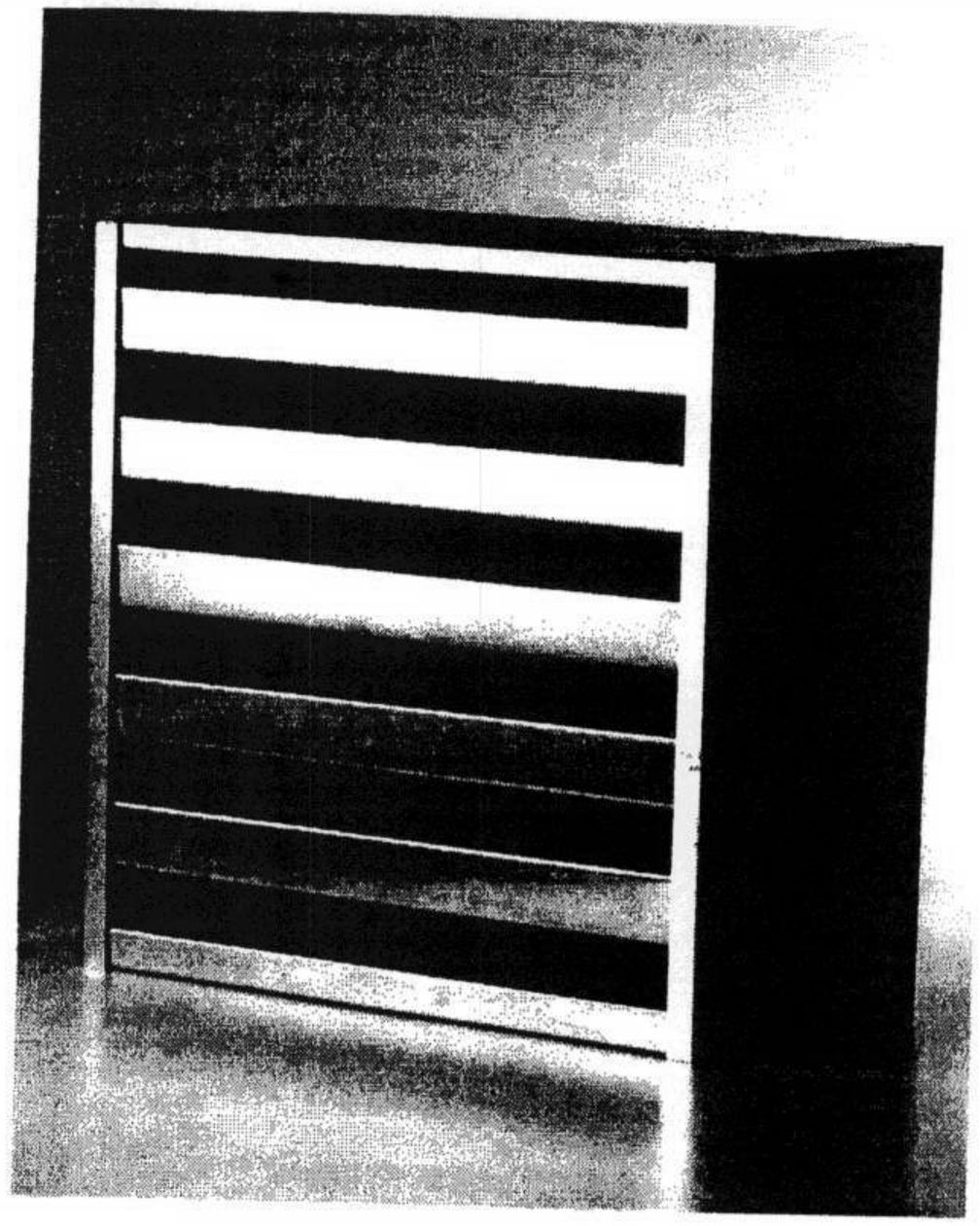
FAN SPEED	FUNCTION	SPL(dB(A))	LINE
High	Cooling	46	●—●
High	Heating	48	○—○



Acoustic Louvres

Description

For supply or extract air, the Acoustic Louvre is designed to attenuate medium and high frequency noise breakout from ductwork and plantroom openings. Available in single bank or, for higher levels of attenuation, double bank.



Construction

Cases and blades formed from aluminium sheet. The attenuation material is glass wool faced with perforated sheet.

Size and Weight

From 500 x 500 to 1200 x 2000 in a single panel, larger units are available in multiple units which bolt together in situ.
Single bank 39kg/m²
Double bank 79kg/m²
Free area approximately 40%

How to Specify

STATE QUANTITY, THE PRODUCT CODING AND THE SIZE WIDTH X HEIGHT
e.g. 10 Qty. AAW1M+1D 1000 x 800.

Product Type	Construction	Options	Mesh Options
A Acoustic Louvre	AW Aluminium	1 Single Bank	M Bird Mesh
		2 Double Bank	I Insect Mesh
			0 None

+

Fixings	Finish
0 Fixings Through Side Casing	D Mill Finish
1 Single Fixing Flange	C PPC BS / RAL Colour
2 Double Fixing Flange	

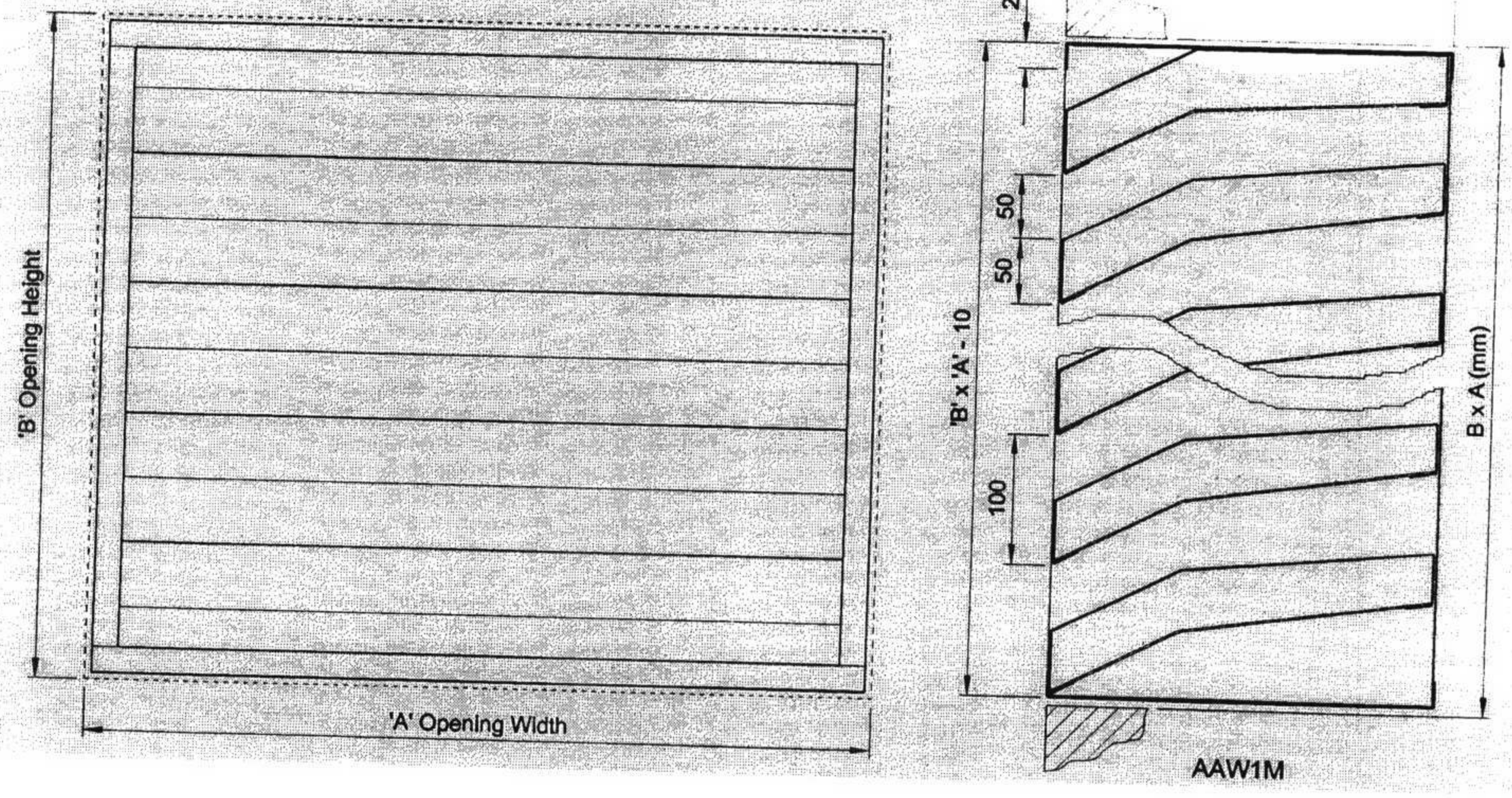
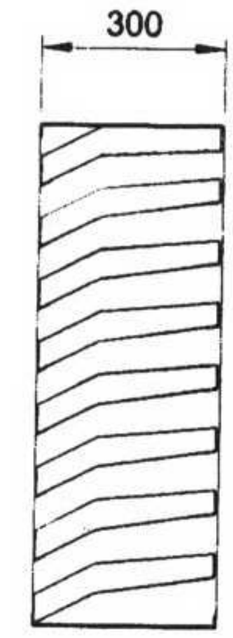


Table .1.

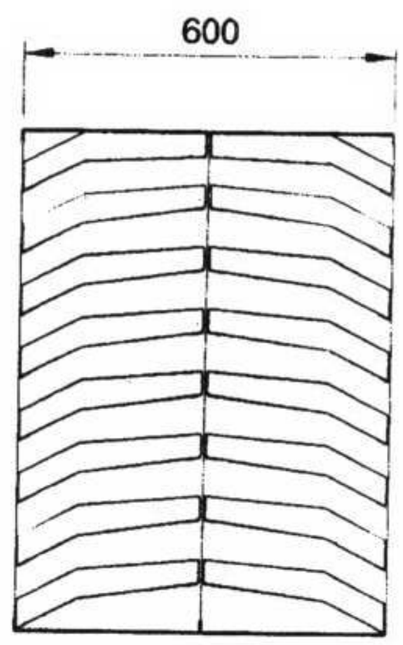
Acoustic Louvre - Static Insertion Loss (dB)								
Octave Band Frequency (Hz)	63	125	250	500	1K	2K	4K	8K
Single Louvre Bank (Standard)	6	7	12	13	14	13	13	11
Double Louvre Bank (Optional)	8	10	18	19	21	20	18	16

Table .2.

Face Velocity And Pressure Drop		
M/s Face Velocity	**Pascals Single Bank**	**Pascals Double Bank**
0.50	2	2
0.75	4	4
1.00	6	7
1.25	9	10
1.50	14	15
1.75	17	19
2.00	23	25
2.25	29	31
2.50	35	39
2.75	43	47
3.00	50	56



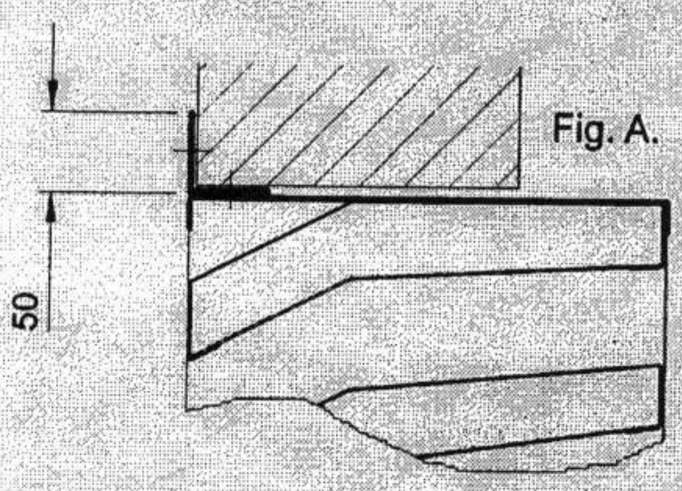
AAW-1M
(Single Bank)

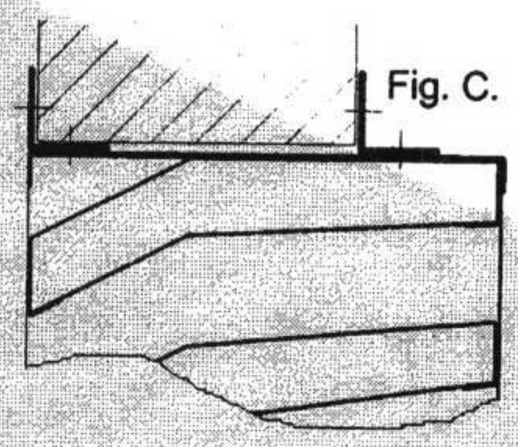


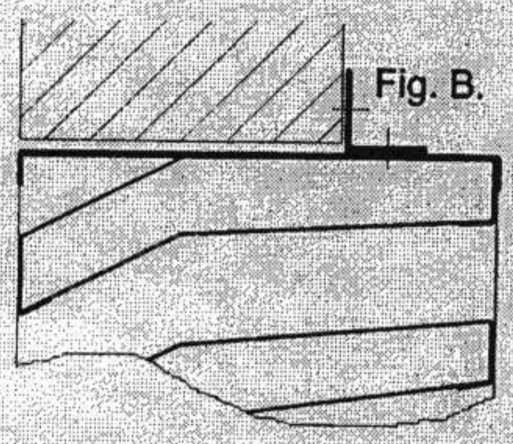
AAW-2M
(Double Bank)

Selection:
Recommended Face Velocity is 1.5 - 2.0 M/s
Air Volume / Face Velocity = M^2 Area of Acoustic Louvre

Acoustic Louvres Fixing Options







The loose flange option can be used either as a fixing method as shown in figures A and B or cosmetically to mask irregularities in the builders work opening, or to perform both functions as depicted in Fig. C. In either event the flange component is finished to match the unit and is furnished undrilled unless otherwise requested. For large sized units the flange is supplied in sections. To specify use fixing code **+1** for the single flange option and code **+2** for the double arrangement.
The flange gauge is dependant upon the unit size.