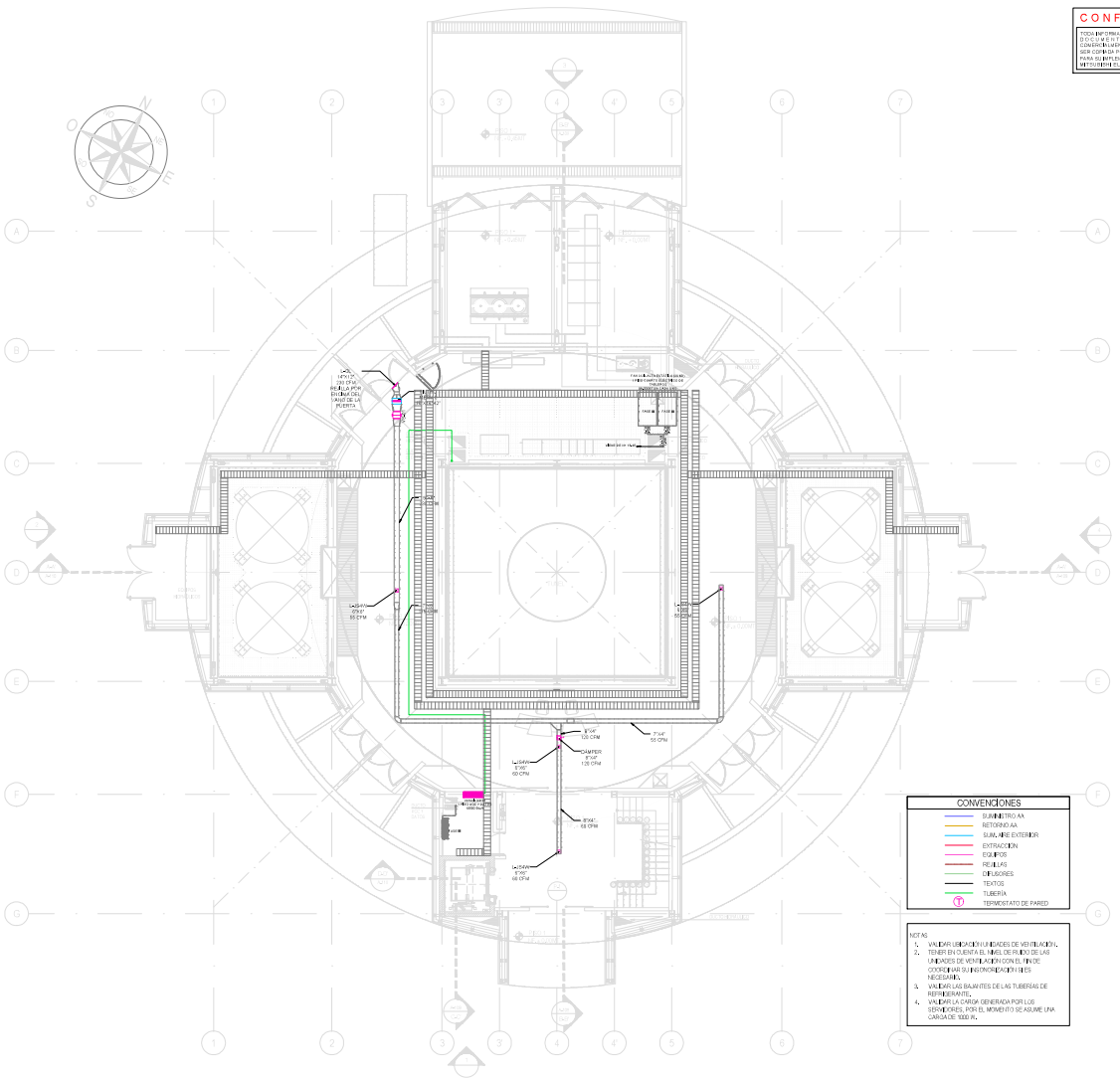
DA-2023-035



NOTAS

1. VALIDAR UBICACIÓN UNIDADES DE VENTILACIÓN.
2. TENER EN CUENTA EL NMS DE FLUJO DE LAS UNIDADES DE VENTILACIÓN CON EL FIN DE COORDINAR SU INSONORIZACIÓN SI ES NECESARIO.
3. VALIDAR LAS BAJANTES DE LAS TUBERÍAS DE REFRIGERANTE.
4. VALIDAR LA CARGA GENERADA POR LOS SERVIDORES, POR EL MOMENTO SE ASUME UNA CARGA DE 1000 W.

CONFIDENCIAL

TODA INFORMACIÓN CONTEMPLADA EN ESTE DOCUMENTO ES CLASIFICADA Y CONFIDENCIALMENTE CONFIDENCIAL, NO PUEDE SER COPIADA POR NINGÚN MÉTODO UTILIZADA PARA SU IMPLEMENTACIÓN SIN EL PERMISO DE MITSUBISHI ELECTRIC DE COLOMBIA LTDA.

PROYECTO

TÚNEL DE VIENTO FAC

CIUDAD / UBICACIÓN

ZIPAQUIRA

CONVENCIONES

	DUCTO DE SUMINISTRO AIRE ACONDICIONADO
	DUCTO DE SUMINISTRO AIRE FRESCO
	DUCTO DE EXTRACCIÓN
	DUCTO DE RETORNO
	TUBERÍA DE REFRIGERANTE/GAS
	TUBERÍA DE CONTROL
	DIFUSOR 4 VÍAS
	DIFUSOR 3 VÍAS
	DIFUSOR 2 VÍAS
	REJILLA
	REJILLA VISTA EN PERFIL
	TERMOSTATO
	EVAPORADORA TIPO CASSETTE
	EVAPORADORA TIPO FANCOIL DESNUDO / DDAS
	EVAPORADORA TIPO PARED
	EVAPORADORA DE TECHO SUSPENDIDO
	EVAPORADOR A MULTIPOSICIÓN
	CONDENSADORA SERIES M&P, CITY MULTI, SERIE S
	CONDENSADORA SERIE CITY MULTI
	CAJA DE DISTRIBUCIÓN
	CAJA DE VENTILACIÓN
	VENTILADOR CENTRÍFUGO
	UNIDAD RECUPERADORA DE ENERGÍA

CONTROL DE MODIFICACIONES

No.	FECHA	DESCRIPCIÓN
V1	30/08/XX	DESCRIPCIÓN / VERSIÓN

PLANO APROBADO POR EL PROPIETARIO:

FIRMA: _____ FECHA: _____

PLANO APROBADO POR ARQ. Y/O INGS.

FIRMA: _____ FECHA: _____

MITSUBISHI ELECTRIC
Changes for the Better

CONTENIDO

SISTEMA DE AIRE ACONDICIONADO Y VENTILACIÓN MECÁNICA PISO 1

PLANO APROBADO POR INELCOL

FIRMA: _____ FECHA: _____

FECHA DE ELABORACIÓN:

12/04/2023

ELABORÓ:

ANTONIO ZORRILLA

FIRMA: _____

REVISÓ:

JHEFERSON OCAMPO

FIRMA: _____

APROBÓ:

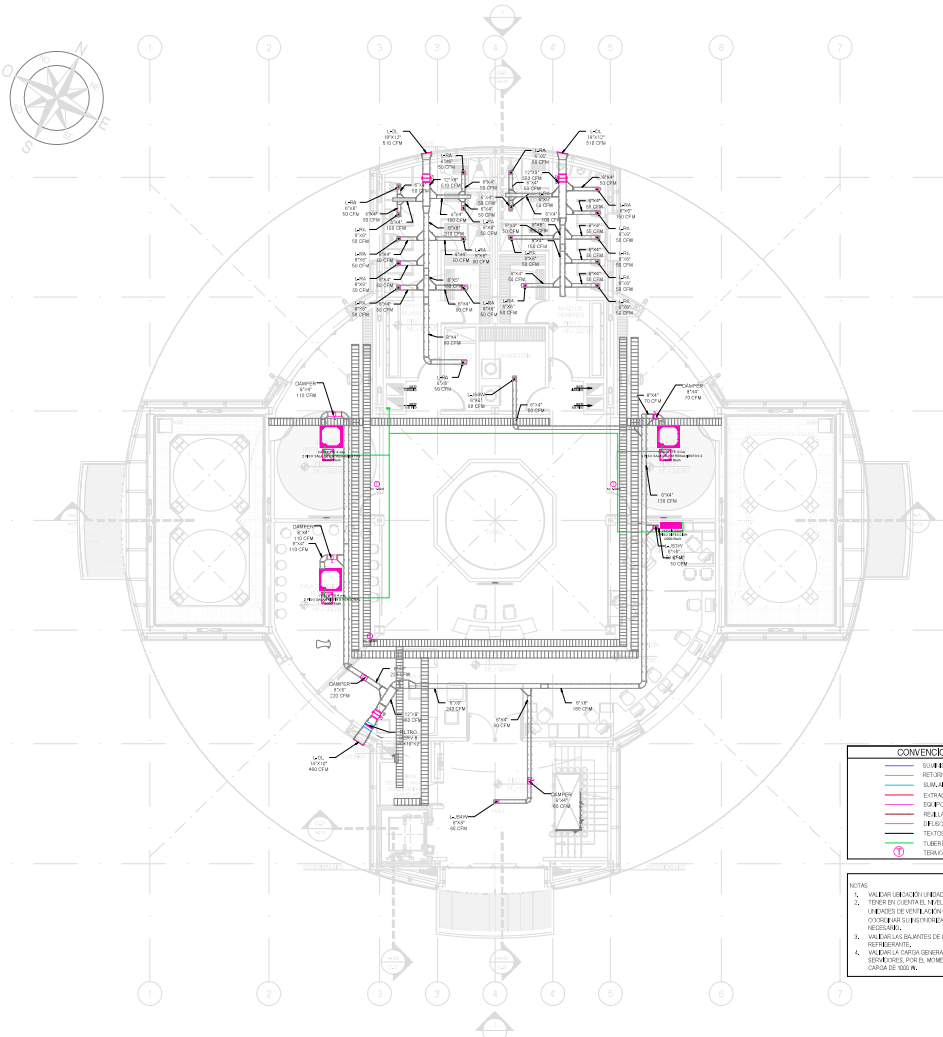
JUAN PABLO BERMUDEZ

FIRMA: _____

ESCALA:	ARCHIVO:
SCL : N/A	M-700 MECANICOS TUNEL 12-2

PLANO:	VERSIÓN:
DA-2023-035	V1
	NÚMERO DEL PLANO: 01

DA-2023-035



NOTAS

1. VALIDAR UBICACIÓN LUMINARIAS DE VENTILACIÓN.
2. TENER EN CUENTA EL NIVEL DE PISO DE LAS UNIDADES DE VENTILACIÓN CON EL FIN DE COORDINAR SU RECOMENDACIÓN (SI ES NECESARIO).
3. VALIDAR LAS BAJANTES DE LAS TUBERÍAS DE REFRIGERANTE.
4. VALIDAR LA CARGA GENERADA POR LOS SENSORES, POR EL MOMENTO SE ASUME UNA CARGA DE 1000 W.

CONFIDENCIAL

TODA INFORMACIÓN CONTEMPLADA EN ESTE DOCUMENTO ES CLASIFICADA Y CONFIDENCIALMENTE CONFIDENCIAL. NO PUEDE SER COPIADA POR NINGÚN MÉTODO UTILIZADA PARA SU IMPLEMENTACIÓN SIN EL PERMISO DE MITSUBISHI ELECTRIC DE COLOMBIA LTDA.

PROYECTO

TÚNEL DE VIENTO FAC

CIUDAD / UBICACIÓN

ZIPAQUIRA

CONVENCIONES

- DUCTO DE SUMINISTRO AIRE ACONDICIONADO
- DUCTO DE SUMINISTRO AIRE FRESCO
- DUCTO DE EXTRACCIÓN
- DUCTO DE RETORNO
- TUBERÍA DE REFRIGERANTE/GAS
- TUBERÍA DE CONTROL
- DIFUSOR 4 VÍAS
- DIFUSOR 3 VÍAS
- DIFUSOR 2 VÍAS
- REJILLA
- REJILLA TIPO PERFIL
- TERMOSTATO
- EVAPORADORA TIPO CASSETTE
- EVAPORADORA TIPO FAN COIL DESNUDO / DDAS
- EVAPORADORA TIPO PARED
- EVAPORADORA DE TECHO SUSPENDIDO
- EVAPORADORA MULTIPOSICIÓN
- CONDENSADORA SERIES M&P, CITY MULTI, SERIE S
- CONDENSADORA SERIE CITY MULTI
- CAJA DE DISTRIBUCIÓN
- CAJA DE VENTILACIÓN
- VENTILADOR CENTRÍFUGO
- UNIDAD RECUPERADORA DE ENERGÍA

CONTROL DE MODIFICACIONES

No.	FECHA	DESCRIPCIÓN
V1	30/08/XXX	DESARROLLO / REVISIÓN

PLANO APROBADO POR EL PROPIETARIO:

FIRMA: _____ FECHA: _____

PLANO APROBADO POR ARQ. Y/O INTEL.

FIRMA: _____ FECHA: _____

MITSUBISHI ELECTRIC
Changes for the Better

CONTENIDO

SISTEMA DE AIRE ACONDICIONADO Y VENTILACIÓN MECÁNICA PISO 2

PLANO APROBADO POR INTELCOL

FIRMA: _____ FECHA: _____

FECHA DE ELABORACIÓN:

12/04/2023

ELABORÓ:

ANTONIO ZAPATA

FIRMA: _____

REVISÓ:

JHEFERSON OCAMPO

FIRMA: _____

APROBÓ:

JUAN PABLO BERMUDEZ

FIRMA: _____

ESCALA: SCL : N/A

ARCHIVO: M-700 MECANICOS TUNEL 13-2

PLANO: DA-2023-035

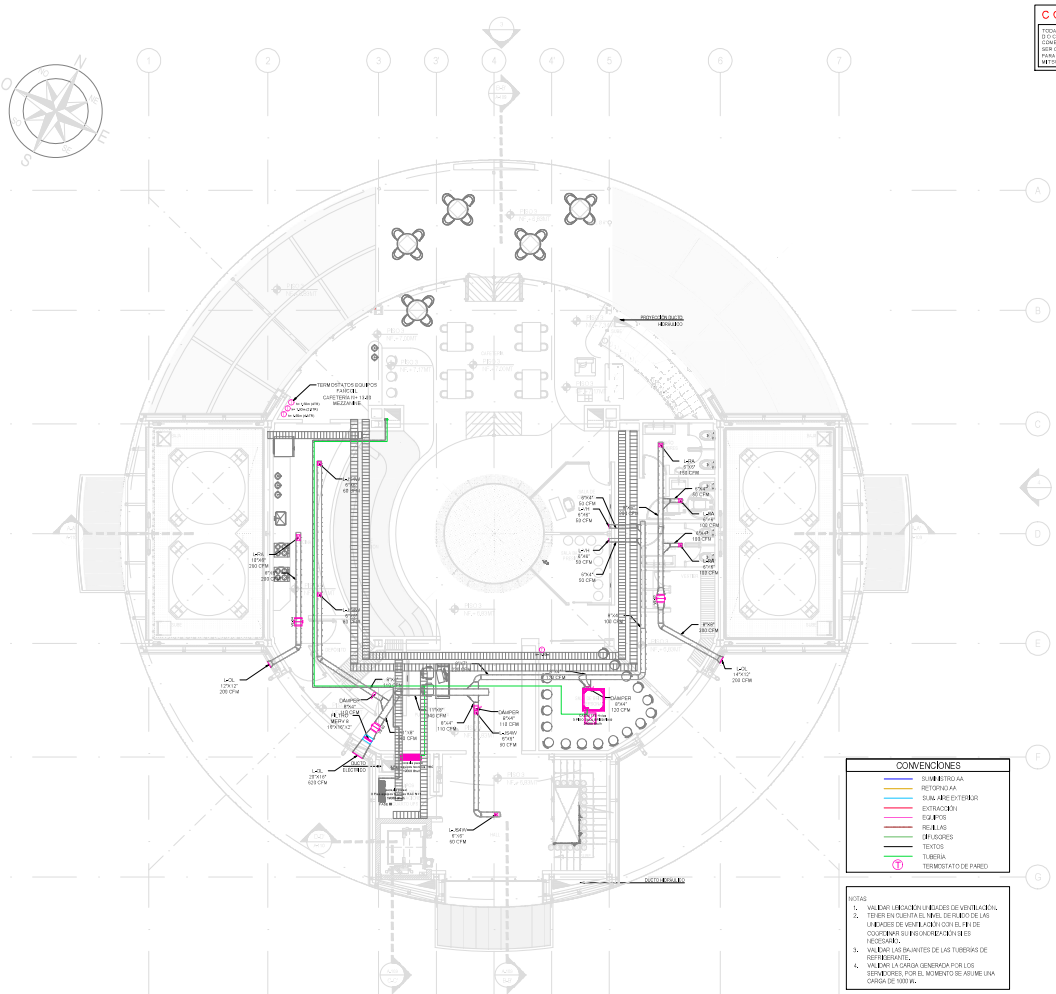
VERSIÓN: V1

NÚMERO DEL PLANO: 02

DA-2023-035

CONFIDENCIAL

TODA INFORMACIÓN CONTEMPLADA EN ESTE DOCUMENTO ES CLASIFICADA Y CONFIDENCIALMENTE CONFIDENCIAL. NO PUEDE SER COPIADA POR NINGUN MÉTODO UTILIZADA PARA SU IMPLEMENTACIÓN SIN EL PERMISO DE MITSUBISHI ELECTRIC DE COLOMBIA LTDA.



NOTAS

1. VALIDAR UBICACION UNIDADES DE VENTILACION.
2. TENER EN CUENTA EL NIVEL DE RUIDO DE LAS UNIDADES DE VENTILACION CON EL FIN DE COORDINAR SUS SONORIZACIONES NECESARIAS.
3. VALIDAR LAS BAJANTES DE LAS TUBERIAS DE REFRIGERANTE.
4. VALIDAR LA CARGA GENERADA POR LOS SERVIDORES, POR EL MOMENTO SE ASUME UNA CARGA DE 1000 W.

PROYECTO

TÚNEL DE VIENTO FAC

CIUDAD / UBICACIÓN

ZIPAQUIRA

CONVENCIONES

- DUCTO DE SUMINISTRO AIRE ACONDICIONADO
- DUCTO DE SUMINISTRO AIRE FRESCO
- DUCTO DE EXTRACCIÓN
- DUCTO DE RETORNO
- TUBERIA DE REFRIGERANTE/GAS
- TUBERIA DE CONTROL
- DIFUSOR 4 VÍAS
- DIFUSOR 3 VÍAS
- DIFUSOR 2 VÍAS
- REJILLA
- REJILLA TIPO EGGCRATE
- TERMOSTATO
- EVAPORADORA TIPO CASSETTE
- EVAPORADORA TIPO FAN COIL DESNUDO / DUCTS
- EVAPORADORA TIPO PARED
- EVAPORADORA DE TECHO SUSPENDIDO
- EVAPORADORA MULTIPOSICIÓN
- CONDENSADORA SERIES M/P CITY MULTI SERIES
- CONDENSADORA SERIES CITY MULTI
- CAJA DE DISTRIBUCIÓN
- CAJA DE VENTILACIÓN
- VENTILADOR CENTRIFUGO
- UNIDAD RECUPERADORA DE ENERGIA

CONTROL DE MODIFICACIONES

No.	FECHA	DESCRIPCIÓN
V1	30/08/XX	DESARROLLO / REVISIÓN

PLANO APROBADO POR EL PROPIETARIO

FIRMA: _____ FECHA: _____

PLANO APROBADO POR ARQ. Y/O INGS.

FIRMA: _____ FECHA: _____

MITSUBISHI ELECTRIC
Changes for the Better

CONTENIDO

SISTEMA DE AIRE ACONDICIONADO Y VENTILACIÓN MECÁNICA PISO 3

PLANO APROBADO POR INELCOL

FIRMA: _____ FECHA: _____

FECHA DE ELABORACIÓN:

12/04/2023

ELABORO:

ANTONIO ZORRO

FIRMA: _____

REVISO:

JHEFERSON OCAMPO

FIRMA: _____

APROBO:

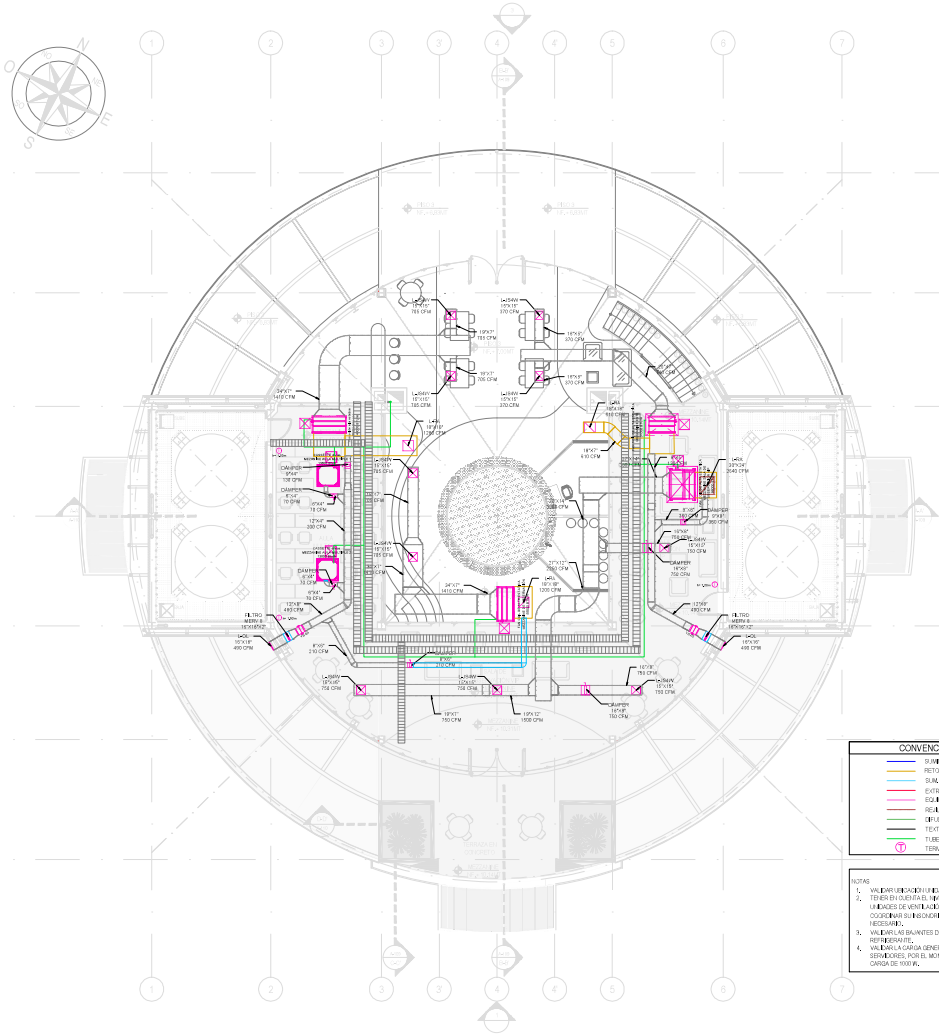
JUAN PABLO BERMUDEZ

FIRMA: _____

ESCALA:	ARCHIVO:
SCL : N/A	M-700 MECANICOS TUNEL 12-2

PLANO:	VERSIÓN:
DA-2023-035	V1
	NÚMERO DEL PLANO: 03

DA-2023-035



CONVENCIONES

- SUMINISTRO AA
- RETORNO AA
- SUM. AIRE EXTERIOR
- EXTRACCIÓN
- EQUIPOS
- REJILLAS
- DIFUSORES
- TEXTOS
- TUBERÍA
- TERMOSTATO DE PARED

NOTAS

1. VALIDAR BALANCEO UNIDADES DE VENTILACIÓN.
2. TENER EN CUENTA EL NIVEL DE RUIDO DE LAS UNIDADES DE VENTILACIÓN CON RELEVO DE COORDINAR SU ENCAMBUCACIÓN SI ES NECESARIO.
3. VALIDAR LAS BAJANTES DE LAS TUBERÍAS DE REFRIGERANTE.
4. VALIDAR LA CARGA GENERADA POR LOS SERVIDORES, POR EL MOMENTO SE ASUME UNA CARGA DE 1000 W.

CONFIDENCIAL

TODA INFORMACIÓN CONTEMPLADA EN ESTE DOCUMENTO ES CLASIFICADA Y CONFIDENCIALMENTE CONFIDENCIAL. NO PUEDE SER COPIADA POR NINGÚN MÉTODO UTILIZADA PARA SU IMPLEMENTACIÓN SIN EL PERMISO DE MITSUBISHI ELECTRIC DE COLOMBIA LTDA.

PROYECTO

TÚNEL DE VIENTO FAC

CIUDAD / UBICACIÓN

ZIPAQUIRA

CONVENCIONES

- DUCTO DE SUMINISTRO AIRE ACONDICIONADO
- DUCTO DE SUMINISTRO AIRE FRESCO
- DUCTO DE EXTRACCIÓN
- DUCTO DE RETORNO
- TUBERÍA DE REFRIGERANTE/GAS
- TUBERÍA DE CONTROL
- DIFUSOR 4 VÍAS
- DIFUSOR 3 VÍAS
- DIFUSOR 2 VÍAS
- REJILLA
- REJILLA TIPO PERFIL
- TERMOSTATO
- EVAPORADORA TIPO CASSETTE
- EVAPORADORA TIPO FAN COIL DESNUDO / DUCT
- EVAPORADORA TIPO PARED
- EVAPORADORA DE TECHO SUSPENDIDO
- EVAPORADOR A MULTIPOSICIÓN
- CONDENSADORA SERIES M&P, CITY MULTI, SERIE S
- CONDENSADORA SERIE CITY MULTI
- CAJA DE DISTRIBUCIÓN
- CAJA DE VENTILACIÓN
- VENTILADOR CENTRÍFUGO
- UNIDAD RECUPERADORA DE ENERGÍA

CONTROL DE MODIFICACIONES

No.	FECHA	DESCRIPCIÓN
V1	30/08/XXX	DESCRIPCIÓN / VERSIÓN

PLANO APROBADO POR EL PROPIETARIO

FIRMA: _____ FECHA: _____

PLANO APROBADO POR ARQ. Y/O INGS.

FIRMA: _____ FECHA: _____

MITSUBISHI ELECTRIC
Changes for the Better

CONTENIDO

SISTEMA DE AIRE ACONDICIONADO Y VENTILACIÓN MECÁNICA MEZZANINE

PLANO APROBADO POR INELCOL

FIRMA: _____ FECHA: _____

FECHA DE ELABORACIÓN:

12/04/2023

ELABORÓ:

ANTONIO ZORRO

FIRMA: _____

REVISÓ:

JHEFERSON OCAMPO

FIRMA: _____

APROBÓ:

JUAN PABLO BERMUDEZ

FIRMA: _____

ESCALA: SCL : N/A

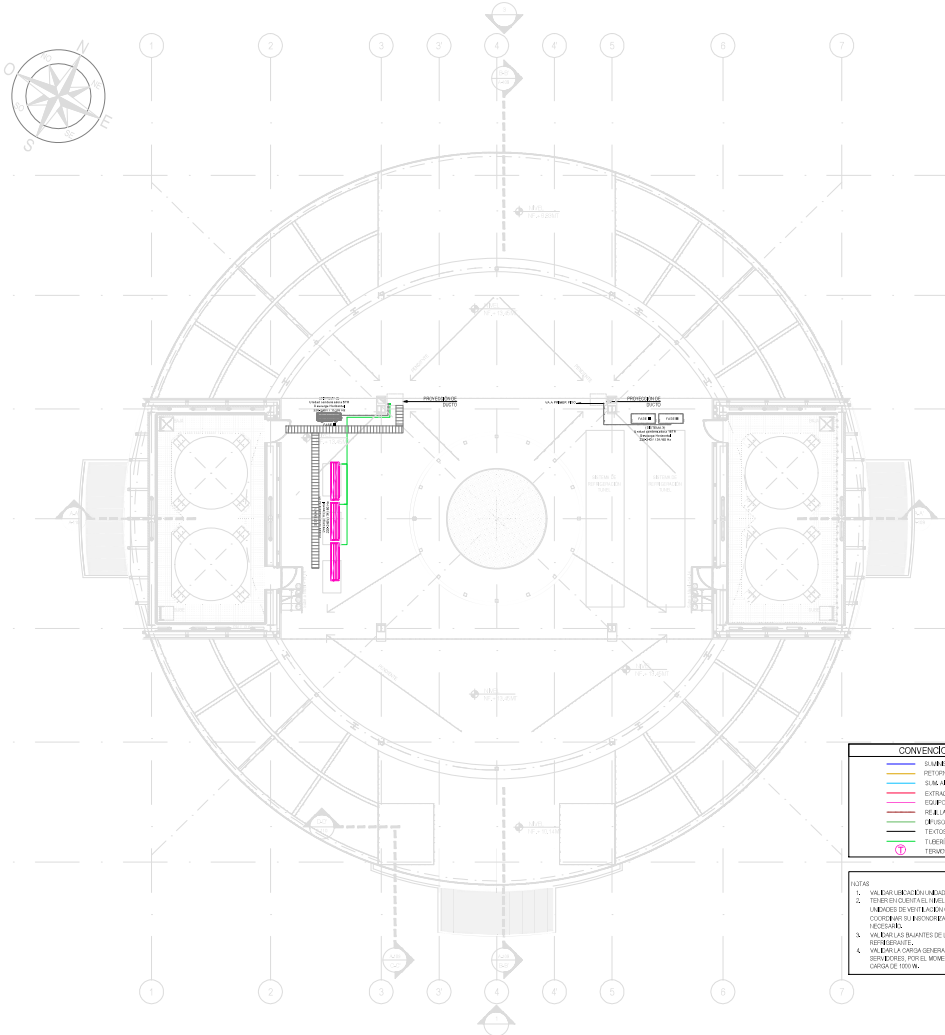
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PLANO: DA-2023-035

VERSIÓN: V1

NÚMERO DEL PLANO: 04

DA-2023-035



CONVENCIONES

- SUMINISTRO AA
- RETORNO AA
- SUMINISTRO EXTERIOR
- EXTRACCIÓN
- EQUIPOS
- REJILLAS
- DIFUSORES
- TEXTOS
- TUBERÍA
- TERMOSTATO DE PARED

NOTAS

1. VALIDAR UBICACIÓN UNIDADES DE VENTILACIÓN.
2. TENER EN CUENTA EL NIVEL DE RUIDO DE LAS UNIDADES DE VENTILACIÓN CON EL FIN DE COORDINAR SU UBICACIÓN SI ES NECESARIO.
3. VALIDAR LAS BAJANTES DE LAS TUBERÍAS DE REFRIGERANTE.
4. VALIDAR LA CARGA GENERADA POR LOS SERVIDORES, POR EL MOMENTO SE ASUME UNA CARGA DE 1000 W.

CONFIDENCIAL

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PROYECTO

TÚNEL DE VIENTO FAC

CIUDAD / UBICACIÓN

ZIPAQUIRA

CONVENCIONES

- DUCTO DE SUMINISTRO AIRE ACONDICIONADO
- DUCTO DE SUMINISTRO AIRE FRESCO
- DUCTO DE EXTRACCIÓN
- DUCTO DE RETORNO
- TUBERÍA DE REFRIGERANTE/GAS
- TUBERÍA DE CONTROL
- DIFUSOR 4 VÍAS
- DIFUSOR 3 VÍAS
- DIFUSOR 2 VÍAS
- REJILLA
- REJILLA VISTA EN PERFIL
- TERMOSTATO
- EVAPORADORA TIPO CASSETTE
- EVAPORADORA TIPO FAN COIL DESNUDO / DUAS
- EVAPORADORA TIPO PARED
- EVAPORADORA DE TECHO SUSPENDIDO
- EVAPORADORA MULTIPOSICIÓN
- CONDENSADORA SERIES M&P, CITY MULTI SERIES S
- CONDENSADORA SERIE CITY MULTI
- CAJA DE DISTRIBUCIÓN
- CAJA DE VENTILACIÓN
- VENTILADOR CENTRÍFUGO
- UNIDAD RECUPERADORA DE ENERGÍA

CONTROL DE MODIFICACIONES

No.	FECHA	DESCRIPCIÓN
V1	30/08/XX	DESCRIPCIÓN VERSIÓN

PLANO APROBADO POR EL PROPIETARIO

FIRMA: _____ FECHA: _____

PLANO APROBADO POR ARQ. Y/O INGS.

FIRMA: _____ FECHA: _____

MITSUBISHI ELECTRIC
Changes for the Better

CONTENIDO

UBICACIÓN UNIDADES EXTERIORES

PLANO APROBADO POR MELCOL

FIRMA: _____ FECHA: _____

FECHA DE ELABORACIÓN:

12/04/2023

ELABORÓ:

ANTONIO ZAPATA

FIRMA: _____

REVISÓ:

JHEFERSON OCAMPO

FIRMA: _____

APROBÓ:

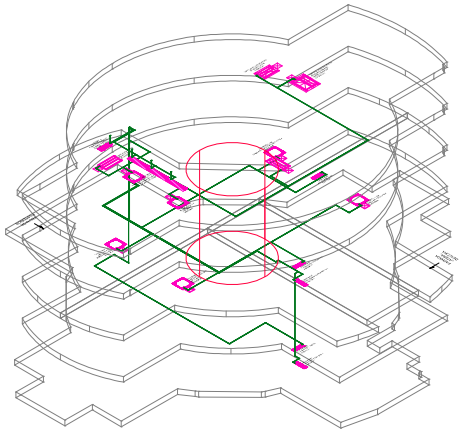
JUAN PABLO BERMUDEZ

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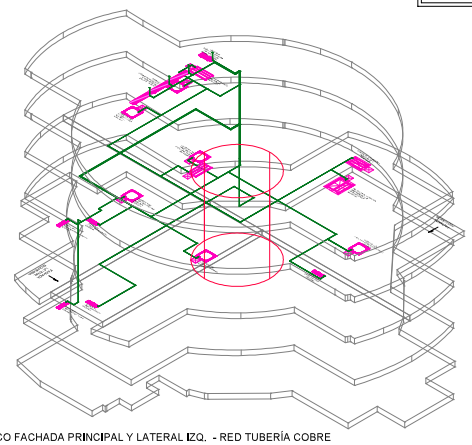
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SCL : N/A	16-700 MECANICOS TUNEL 12-2

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DA-2023-035	V1
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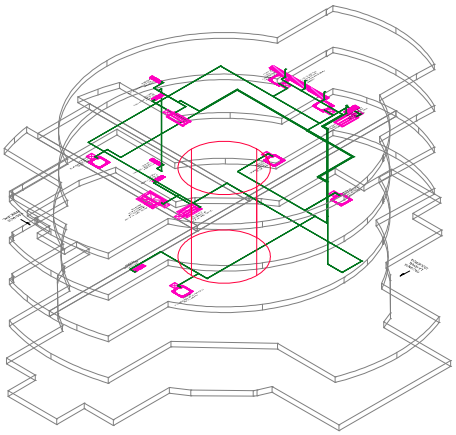
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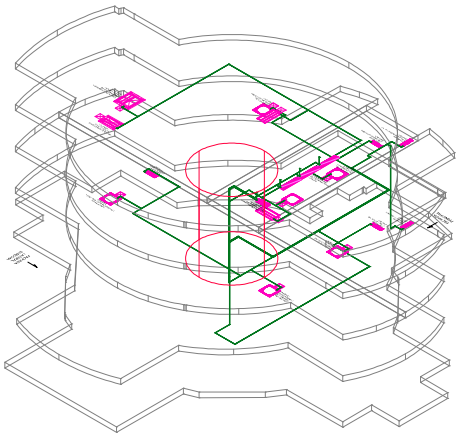
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ESCALA 1:150



3 ISOMÉTRICO FACHADA PRINCIPAL Y LATERAL IZQ. - RED TUBERÍA COBRE
ESCALA 1:150



2 ISOMÉTRICO FACHADA POSTERIOR Y LATERAL DER. -RED TUBERÍA COBRE
ESCALA 1:150



4 ALZADO FACHADA POSTERIOR Y LAT. IZQ. - RED TUBERÍA COBRE
ESCALA 1:150

CONFIDENCIAL
TODA INFORMACIÓN CONTEMPLADA EN ESTE DOCUMENTO ES CLASIFICADA Y CONFIDENCIALMENTE CONFIDENCIAL. NO PUEDE SER COPIADA POR NINGUN MÉTODO UTILIZADA PARA SU IMPLEMENTACIÓN SIN EL PERMISO DE MITSUBISHI ELECTRIC DE COLOMBIA LTDA.

PROYECTO
TÚNEL DE VIENTO FAC

CIUDAD / UBICACIÓN
ZIPAQUIRA

CONVENCIONES

	DUCTO DE SUMINISTRO AIRE ACONDICIONADO
	DUCTO DE SUMINISTRO AIRE FRESCO
	DUCTO DE EXTRACCIÓN
	DUCTO DE RETORNO
	TUBERIA DE REFRIGERANTE/GAS
	TUBERIA DE CONTROL
	DIFUSOR 4 VÍAS
	DIFUSOR 3 VÍAS
	DIFUSOR 2 VÍAS
	REJILLA
	REJILLA TIPO RANURA
	TERMOSTATO
	EVAPORADORA TIPO CASSETTE
	EVAPORADORA TIPO FAN COIL DESNUDO / DUCTS
	EVAPORADORA TIPO PARED
	EVAPORADORA DE TECHO SUSPENDIDO
	EVAPORADORA MULTIPOSICIÓN
	CONDENSADORA SERIES M/P, CITY MULTI SERIES
	CONDENSADORA SERIE CITY MULTI
	CAJA DE DISTRIBUCIÓN
	CAJA DE VENTILACIÓN
	VENTILADOR CENTRÍFUGO
	UNIDAD RECUPERADORA DE ENERGÍA

CONTROL DE MODIFICACIONES

No.	FECHA	DESCRIPCIÓN
01	30/08/XX	DESCRIPCIÓN MODIFICACIÓN

PLANO APROBADO POR EL PROPIETARIO
FIRMA: _____ FECHA: _____

PLANO APROBADO POR ARQ. Y/O INGS.
FIRMA: _____ FECHA: _____

MITSUBISHI ELECTRIC
Changes for the Better

CONTENIDO
UBICACIÓN UNIDADES EXTERIORES

PLANO APROBADO POR MELCOL
FIRMA: _____ FECHA: _____

FECHA DE ELABORACIÓN:
12/04/2023

ELABORO:
ANTONIO ZORRO
FIRMA: _____

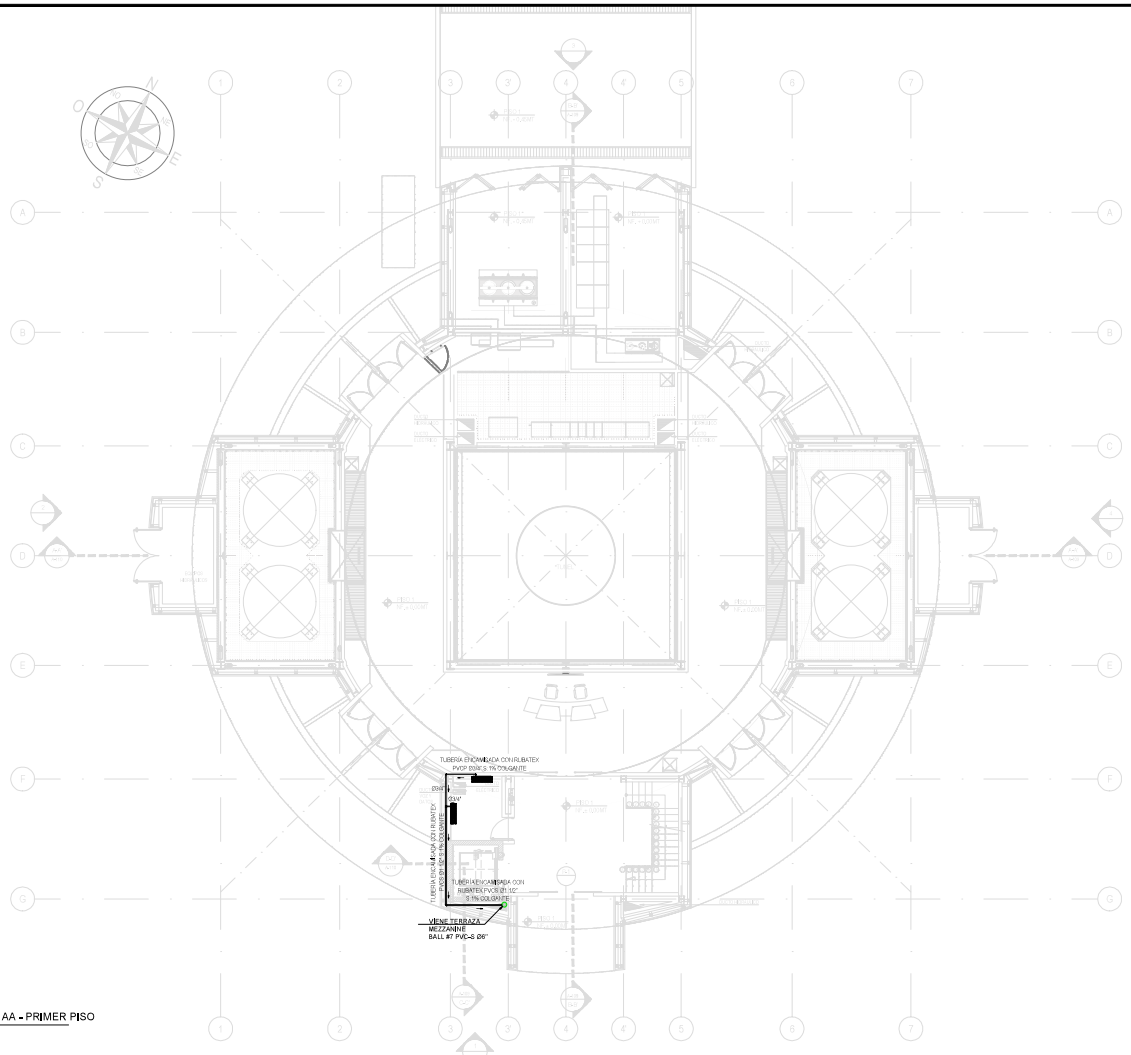
REVISO:
JHEFERSON OCAMPO
FIRMA: _____

APROBO:
JUAN PABLO BERMUDEZ
FIRMA: _____

ESCALA: SCL : N/A
ARCHIVO: 16-700 MECANICOS TUNEL 12-2

PLANO: DA-2023-035
VERSIÓN: V1
NÚMERO DEL PLANO: 05

VERSION FORMATO: 18 MAYO 2021



1 RED DE DESAGUES AA - PRIMER PISO
ESCALA 1:100

FUERZAS MILITARES DE COLOMBIA

FUERZA AÉREA COLOMBIANA

JEFATURA LOGÍSTICA
DIRECCIÓN DE INFRAESTRUCTURA

UNIDAD O GUARNICION
MUSEO AEROESPACIAL COLOMBIANO

TOCANCIPA - CUNDINAMARCA

PROYECTO:
CENTRO DE INSTRUCCIÓN EN CAÍDA LIBRE E INVESTIGACIÓN AERONÁUTICA PARA LA FAC

OBSERVACIONES:

DISEÑO:
TE. DANIELA AYALA GAMBOA
ING. AMBIENTAL Y SANITARIA SUTEP
MP 15231-415868 BYS

REVISO:
MY. GENNY RODRÍGUEZ MARTINEZ
ING. AMBIENTAL Y SANITARIA SUTEP
MP- 252015270 CND

DIBUJO:
TZ LUIS MIGUEL JIMENEZ A.
DELINEANTE DE ARQUITECTURA E INGENIERÍA
MP T129302014-1013639688

CÓDIGO DIBUJO:
FAC2023-06

CONTIENE:
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RED DE DESAGUES AA PRIMER PISO

FECHA:
13 DE FEBRERO DE 2026

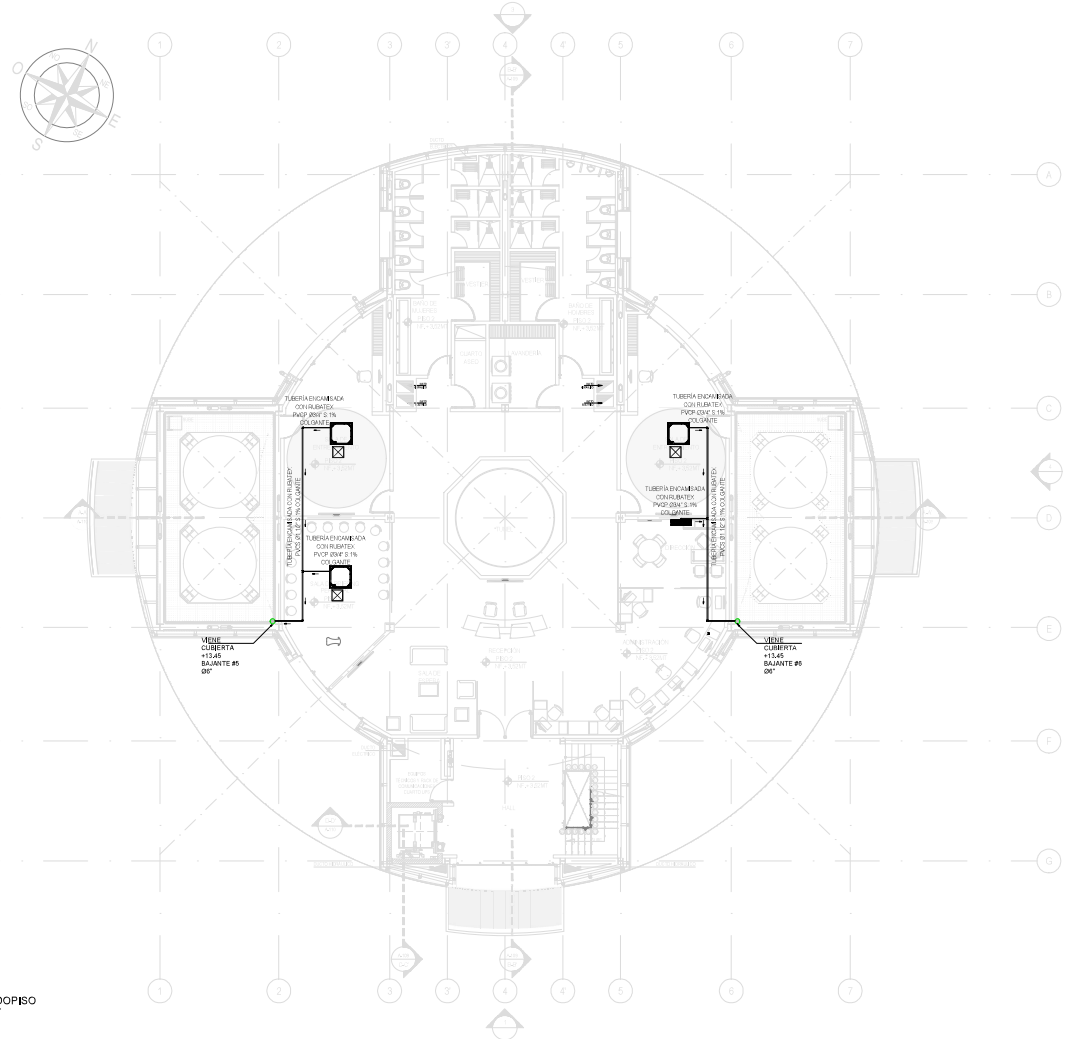
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VERSION: .1.

ESCALA:
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PLANCHA No:
06 DE 09PL

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Impreso por: TZ LUIS MIGUEL JIMENEZ AGUDELO
Impreso el: 18 febrero 2026

VERSION FORMATO: 18 MAYO 2021



1 RED DE DESAGUES AA - SEGUNDOPISO
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FUERZAS MILITARES DE COLOMBIA

FUERZA AÉREA COLOMBIANA

JEFATURA LOGÍSTICA
DIRECCIÓN DE INFRAESTRUCTURA

UNIDAD O GUARNICION
MUSEO AEROESPACIAL COLOMBIANO

TOCANCIPA - CUNDINAMARCA

PROYECTO:
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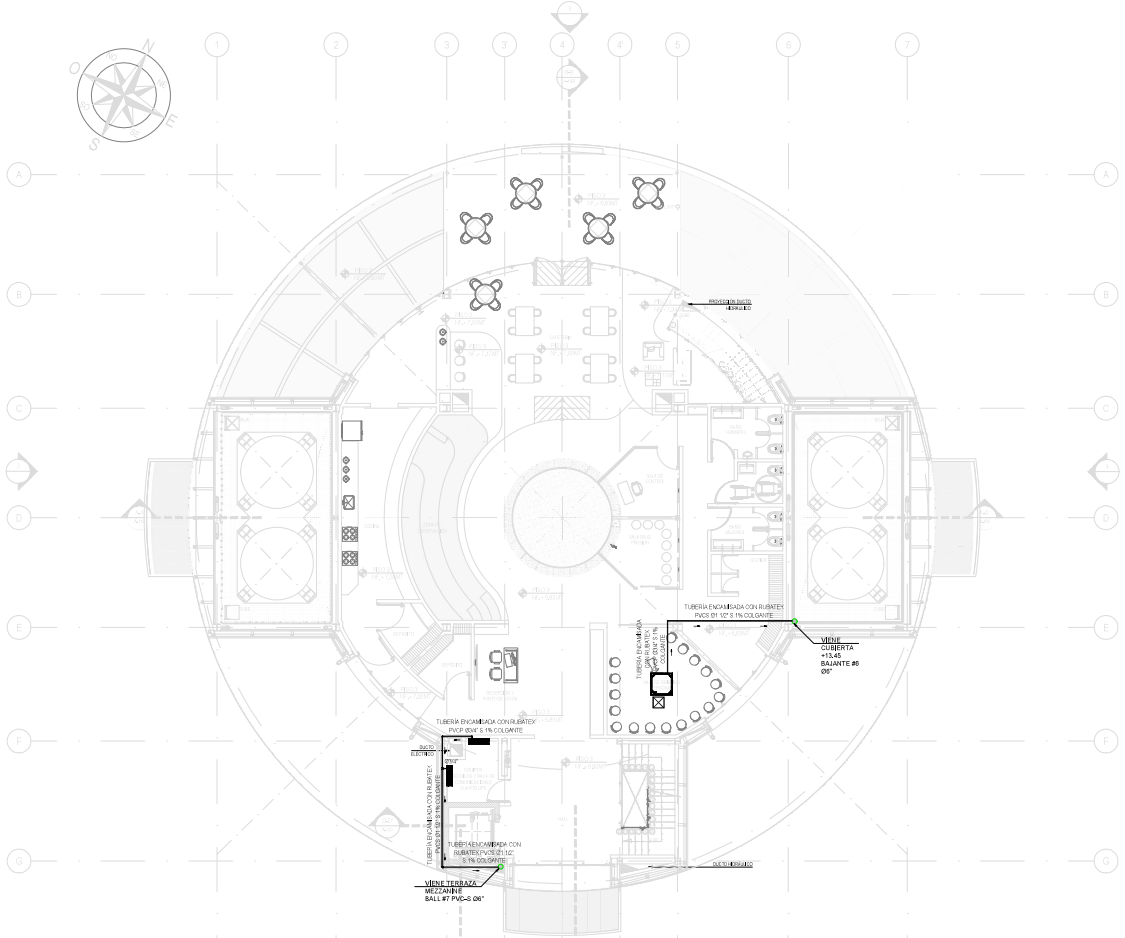
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Impreso por: TZ LUIS MIGUEL JIMENEZ AGUDELO
Impreso el 18 febrero 2026



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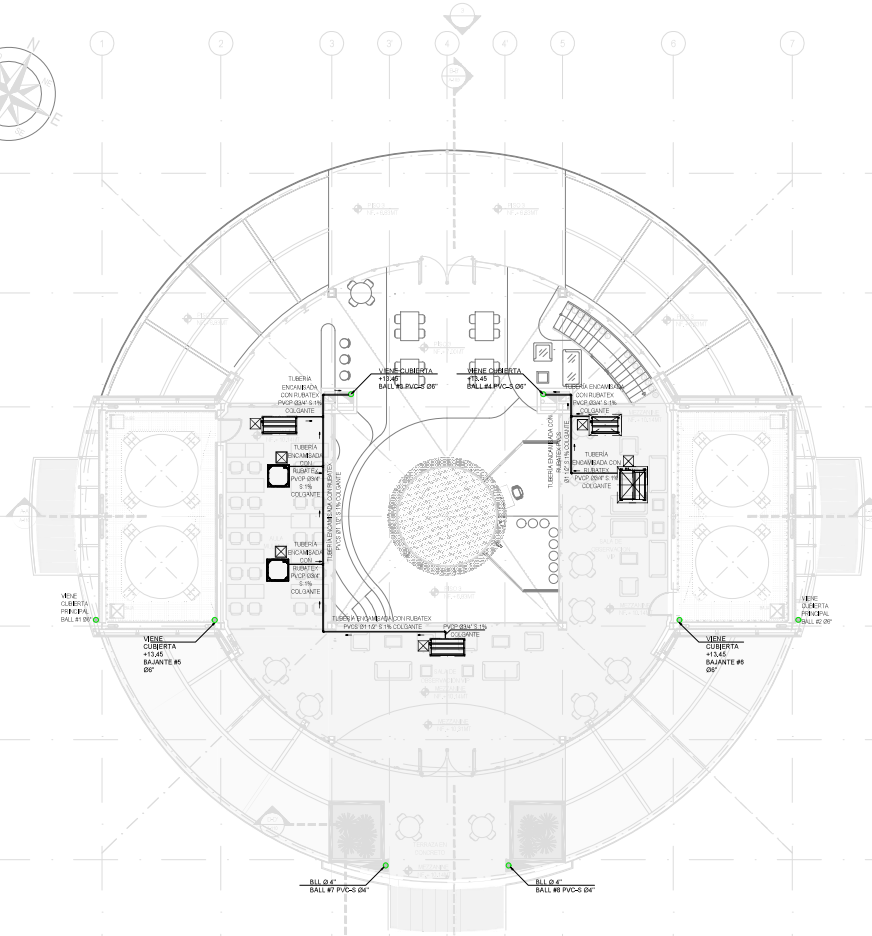
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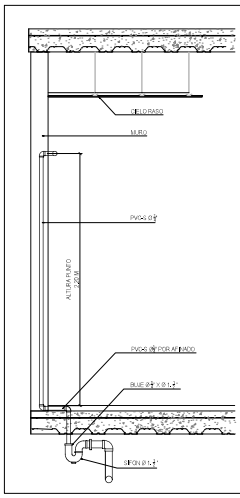
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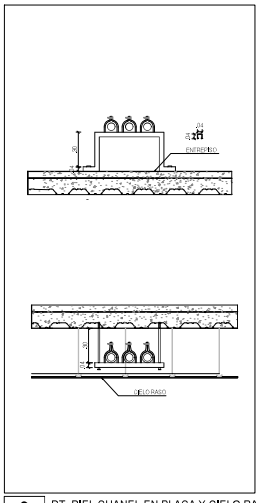
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FAC2023-06

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VERSION: .1.

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ANEXO TÉCNICO INTEGRAL DE SUBSANACIÓN HVAC

NP-28, NP-29, NP-38, NP-39 Y NP-40

Contrato No. 072-00-A-COFAC-DIFRA-2026

Proyecto	Fase IV – Centro de Instrucción en Caída Libre e Investigación Aeronáutica FAC – Museo Aeroespacial, Tocancipá
Contratista	UNIÓN TEMPORAL COFAC MDM
Objeto del anexo	Consolidar la identificación de equipos, parámetros técnicos, alcance contractual y soportes requeridos para subsanar los NP HVAC observados.

1. CRITERIO GENERAL DE SUBSANACIÓN

Los NP HVAC deberán quedar soportados por equipo y por alcance. La documentación definitiva debe permitir identificar el equipo realmente especificado, su referencia, capacidad, cantidad y ubicación, y separar de manera expresa el suministro contractual de las actividades de instalación, transporte, descarga, izaje, posicionamiento, montaje, soportes, conexiones, pruebas y puesta en marcha. En la versión de radicación no deberán permanecer expresiones como “por verificar”, “pendiente” o referencias genéricas cuando exista un modelo definitivo.

2. NP-28 – INSTALACIÓN DE EQUIPOS MECÁNICOS – UNIDADES EXTERIORES

El soporte aportado identifica una familia HITACHI SET FREE SideSmart MSF E Series – Outdoor Units, correspondiente a unidades exteriores inverter, condensadas por aire, para sistema de climatización. En la portada revisada aparecen familias RAS-080HNCELW a RAS-180HNCELW y RAS-080HNCERW a RAS-180HNCERW.

Para cerrar la subsanación no debe presentarse únicamente la familia comercial. Se deberá identificar la referencia exacta del equipo del proyecto y relacionarla con el cuadro HVAC, la planimetría, el APU y la cotización.

Parámetro	Dato actualmente respaldado	Soporte	Acción de cierre
Tipo	Unidad exterior VRF / bomba de calor	Ficha HITACHI aportada	Mantener
Referencia base	SET FREE SideSmart MSF E Series	Ficha HITACHI aportada	Definir modelo exacto
Capacidad	Según modelo definitivo	Tabla técnica del modelo	Incorporar valor exacto
Peso y dimensiones	Según modelo definitivo	Tabla técnica del modelo	Necesarios también para NP-29
Cantidad y ubicación	No consolidada en la ficha general	Cuadro equipos / plano	Diligenciar y conciliar
Alcance NP	Instalación/montaje	APU/cotización	Excluir actividades ya incluidas en suministro contractual

3. NP-29 – IZAJE Y POSICIONAMIENTO DE UNIDAD CONDENSADORA

Como referencia de estructuración se verificó la grúa torre autoerigible POTAIN Igo T 85 A. El fabricante reporta capacidad máxima nominal de 6 t, radio máximo de 45 m, capacidad de 1,4 t a 45 m y altura bajo gancho de hasta 38 m.

La cota aproximada de instalación indicada para el proyecto es +13,45 m. Sin embargo, la selección definitiva de la grúa no puede sustentarse únicamente en la altura o en las 6 t nominales: debe verificarse la tabla de cargas para el radio horizontal real de la maniobra y para la carga total suspendida.

Parámetro	Dato actualmente respaldado	Soporte	Acción de cierre
Cota de instalación	+13,45 m	Información de obra	Representar en plano de izaje
Grúa referencia	POTAIN Igo T 85 A o equivalente	Fabricante Manitowoc/Potain	No amarrar aprobación hasta validar maniobra
Capacidad máxima	6 t	Ficha oficial	Verificar capacidad al radio

			real
Radio máximo	45 m	Ficha oficial	Medir radio efectivo
Capacidad a 45 m	1,4 t	Tabla oficial	Comparar contra carga suspendida
Altura bajo gancho	Hasta 38 m	Ficha oficial	Compatible por altura; falta validar geometría
Carga suspendida	Peso condensadora + aparejos/balancín	Ficha NP-28 + plan de izaje	Calcular
Documentos	Plan de izaje, tabla cargas, implantación, aparejos, personal y registros	Expediente NP-29	Anexar completos

4. NP-38 – INSTALACIÓN DE UNIDAD INTERIOR PARED

El catálogo HITACHI SET-FREE Indoor Units aportado identifica la configuración Wall Type y la familia RPK-0.8~2.5HNBUSQ, por lo que constituye soporte de familia para el NP-38.

La subsanación debe bajar de la familia al modelo realmente seleccionado: referencia exacta, capacidad, caudal, dimensiones, peso, cantidad y ubicación.

Parámetro	Dato actualmente respaldado	Soporte	Acción de cierre
Configuración	Wall Type	Ficha HITACHI Indoor Units	Respaldado
Familia	RPK-0.8~2.5HNBUSQ	Ficha aportada	Definir modelo exacto
Capacidad / caudal	Según referencia definitiva	Tabla técnica	Incorporar valores
Peso / dimensiones	Según referencia definitiva	Tabla técnica	Incorporar valores
Cantidad / ubicación	Por conciliar	Cuadro HVAC / plano	Diligenciar
Alcance instalación	Solo actividades no incluidas en suministro	APU/cotización	Conciliar

5. NP-39 – INSTALACIÓN DE UNIDAD INTERIOR TIPO FAN COIL DE MEDIA ESTÁTICA

El catálogo HITACHI SET-FREE Indoor Units aportado identifica unidades In-the-Ceiling Type (Middle Static Pressure), con familias RPIM-0.8~2.5HNAUN1Q y RPIM-0.8~2.5HNAUB1Q. Esta correspondencia es técnicamente pertinente para el NP-39.

El cierre exige identificar el modelo exacto y marcar en la ficha las tablas que acrediten capacidad, caudal de aire y presión estática externa. No basta con anexar únicamente la portada general de Indoor Units.

Parámetro	Dato actualmente respaldado	Soporte	Acción de cierre
Configuración	Middle Static Pressure	Ficha HITACHI Indoor Units	Respaldado
Familias	RPIM-0.8~2.5HNAUN1Q / HNAUB1Q	Ficha aportada	Definir modelo exacto
Capacidad	Según referencia definitiva	Tabla técnica	Incorporar
Caudal	Según referencia definitiva	Tabla técnica	Incorporar y señalar folio
Presión estática externa	Según referencia definitiva	Tabla técnica	Incorporar y señalar folio
Cantidad / ubicación	Por conciliar	Cuadro HVAC / plano	Diligenciar

6. NP-40 – INSTALACIÓN DE UNIDAD DE VENTILACIÓN HELICO-CENTRÍFUGO EN LÍNEA

Las fichas HITACHI revisadas de Outdoor Units, Wall Type y Middle Static Pressure no acreditan un ventilador helico-centrífugo en línea. Por tanto, no deben reutilizarse para subsanar el NP-40.

Se requiere la ficha específica del equipo realmente definido en el diseño mecánico. El documento debe permitir verificar fabricante, referencia, caudal, presión estática, potencia, alimentación eléctrica, velocidad, dimensiones o diámetro de conexión, cantidad y ubicación.

Parámetro	Dato actualmente respaldado	Soporte	Acción de cierre

Tipo requerido	Ventilador helico-centrífugo en línea	Descripción NP-40	Respaldado como requisito
Fabricante / modelo	No acreditado	Ficha específica	Aportar
Caudal	No acreditado	Diseño + ficha	Aportar
Presión estática	No acreditada	Diseño + ficha	Aportar
Potencia / alimentación	No acreditadas	Ficha específica	Aportar
Dimensiones / conexión	No acreditadas	Ficha específica	Aportar
Cantidad / ubicación	Por conciliar	Cuadro HVAC / plano	Diligenciar

7. MATRIZ INTEGRAL DE CONTROL

NP	Equipo	Referencia base	Soporte actual	Estado	Cierre requerido
NP-28	Unidad exterior	Hitachi SideSmart MSF E	Ficha familia	EN SUBSANACIÓN	Modelo exacto + cantidad + peso/dimensiones + alcance
NP-29	Izaje condensadora	Potain Igo T 85 A (referencia)	Ficha + tabla cargas oficial	EN SUBSANACIÓN	Peso + radio real + plan de izaje
NP-38	Unidad interior pared	Hitachi RPK Wall Type	Ficha familia	EN SUBSANACIÓN	Modelo exacto + parámetros + cantidad
NP-39	Fan Coil media estática	Hitachi RPIM Middle Static Pressure	Ficha familia	EN SUBSANACIÓN	Modelo exacto + caudal + presión + cantidad
NP-40	Ventilador helico-centrífugo	Pendiente	No acreditado	NO CERRADO	Ficha específica + diseño + parámetros + cantidad

8. CONCLUSIÓN PARA RADICACIÓN

El expediente HVAC deberá presentarse con una ficha y matriz individual por NP, acompañadas de una matriz integral de control. Los datos no acreditados en los anexos revisados no deben completarse por inferencia. Antes de la radicación deberán sustituirse todos los campos de control por los valores de la referencia realmente seleccionada y conciliarse con cuadro de equipos, planimetría, APU, cotización y balance.

9. FUENTES DE REFERENCIA

• Fichas técnicas HITACHI aportadas por el contratista: SET FREE SideSmart MSF E Series – Outdoor Units y SET-FREE Indoor Units.

• Manitowoc/POTAIN Igo T 85 A – ficha oficial del fabricante y tabla de cargas.

• En el NP-40 no se identificó, entre las fichas revisadas, una ficha específica que acredite el ventilador helico-centrífugo en línea.

MEMORIA DE CÁLCULO NP-38 | SISTEMA HVAC

UT COFAC MDM · Contrato 072-00-A-COFAC-DIFRA-2026 · 30/09/2026

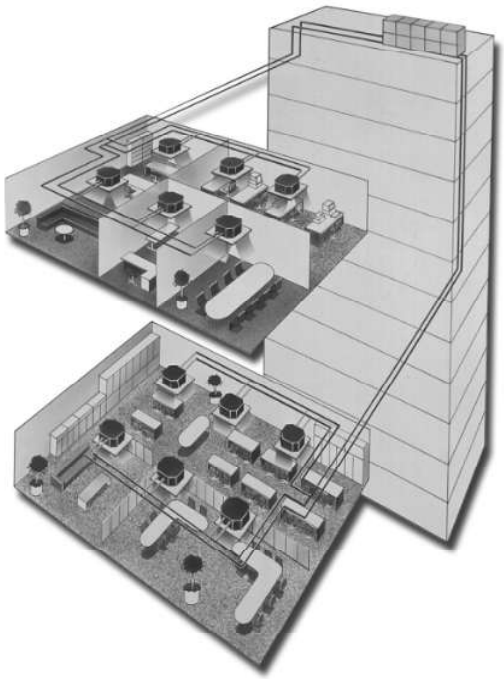
Instalación de unidades interiores HVAC – consolidado solicitado | UND

Código	Ítem cotización	Denominación técnica (sin marca)	Capacidad BTU/h	Caudal CFM	Presión inWG	Cantidad UND	Nota de conciliación
UI-01	27.3.1	Interior pared	9600			1	NP-38
UI-02	27.3.2	Interior pared	15400			1	NP-38
UI-03	27.3.2	Interior pared	15400			1	NP-38
UI-04	27.3.3	Interior cassette 4 vías	12300			1	NP-38
UI-05	27.3.3	Interior cassette 4 vías	12300			1	NP-38
UI-06	27.3.4	Interior cassette 4 vías	24200			1	NP-38
UI-07	27.3.5	Interior cassette 4 vías	19100			1	NP-38
UI-08	27.3.5	Interior cassette 4 vías	19100			1	NP-38
UI-09	27.3.6	Interior cassette 4 vías	38200			1	NP-38
					TOTAL UND	**9**	

HITACHI
VRF AIR CONDITIONERS (HEAT PUMP)

- SET-FREE INDOOR UNITS -

HITACHI



Models:

- **In-the-Ceiling Type (Low Static Pressure)**
  RPIL-0.8~6.0HNAUN1Q
  RPI-8.0 , 10.0FSN3Q
- **In-the-Ceiling Type (Middle Static Pressure)**
  RPIM-0.8~2.5HNAUN1Q
- **In-the-Ceiling Type (Middle Static Pressure)**
  RPIM-0.8~2.5HNAUB1Q
- **In-the-Ceiling Type (High Static Pressure)**
  RPIH-3.0~6.0HNAUN1Q
- **In-the-Ceiling Type (High Static Pressure)**
  RPIH-3.0~6.0HNAUB1Q
  RPI-8.0, 10.0FSNQ
  RPIH-8.0, 10.0HNDUSQ
- **Low-Height In-the-Ceiling Type(AC)**
  RPIZ-0.8~2.5HNATN1Q
- **Low-Height In-the-Ceiling Type(DC)**
  RPIZ-0.8~2.5HNDTS1Q
- **1-Way Cassette Type**
  RCIS-1.0~2.5FSKDNQ
- **4-Way Cassette Type**
  RCI-1.0~6.0FSKDN1Q
- **Wall Type**
  RPK-0.8~2.5HNBUSQ
- **Floor Concealed Type**
  RPFI-1.0~2.5FSNQ
- **Ceiling & Floor Type**
  RPFC-1.8~5.0FSNQ

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IMPORTANT NOTICE

- HITACHI pursues a policy of continuing improvement in design and performance of products. The right is therefore reserved to vary specifications without notice
- HITACHI cannot anticipate every possible circumstance that might involve a potential hazard.
- This heat pump air conditioner is designed for standard air conditioning only. Do not use this heat pump air conditioner for other purposes such as drying clothes, refrigerating foods or for any other cooling or heating process.
- The installer and system specialist shall secure safety against leakage according to local regulations or standards. The following standards may be applicable, if local regulations are not available. International Organization for Standardization, ISO5149 or European Standard, EN378 or Japan Standard, KHKS0010.
- No part of this manual may be reproduced without written permission.
- The following words (DANGER, WARNING and CAUTION) are used to identify levels of hazard seriousness. Definitions for identifying hazard levels are provided below with their respective signal words.

⚠DANGER	:	Immediate hazards which WILL result in severe personal injury or death.
⚠WARNING	:	Hazards or unsafe practices which COULD result in severe personal injury or death.
⚠CAUTION	:	Hazards or unsafe practices which COULD result in minor personal injury or product or property damage.
NOTE	:	Useful information for operation and/or maintenance.

- It is assumed that this heat pump air conditioner will be operated and serviced by English speaking people. If this is not the case, the customer should add safety, caution and operating signs in the native language.
- If you have any questions, contact your distributor or dealer of HITACHI.
- This manual gives a common description and information for this heat pump air conditioner which you operate as well as for other models.
- Refer to Installation & Maintenance Manual of outdoor unit for temperature operation range.

Attention

This system has been designed for only cooling or heating operation.
Do not apply this system to the rooms where individual cooling and heating operation are required at the same time. If applied, it will result in uncomfortable air conditioning due to big temperature changes when the operation mode is changed.

This manual should be considered as a permanent part of the air conditioning equipment and should remain with the air conditioning equipment.

SAFETY SUMMARY

⚠ DANGER

- Use the specified non-flammable refrigerant to the outdoor unit in the refrigerant cycle. Do not charge material other than specified refrigerant into the unit such as hydrocarbon refrigerants (propane or etc.), oxygen, flammable gases (acetylene or etc.) or poisonous gases when installing, maintaining and moving. These flammables are extremely dangerous and may cause an explosion, a fire, and injury.
- Do not pour water into the indoor or outdoor unit. These products are equipped with electrical parts. If poured, it will cause a serious electrical shock.
- Do not touch or adjust safety devices inside the indoor or outdoor units. If these devices are touched or readjusted, it may cause a serious accident.
- Do not open the service cover or access panel for the indoor or outdoor units without turning OFF the main power supply.
- Refrigerant leakage can cause difficulty with breathing due to insufficient air. Turn OFF the main switch, extinguish any naked flames and contact your service contractor, if refrigerant leakage occurs.
- The installer and system specialist shall secure safety against refrigerant leakage according to local regulations or standards.
- Use an ELB (Electric Leakage Breaker). In the event of a fault, there is danger of an electric shock or a fire if it is not used.
- Do not install the outdoor unit where there is a high level of oil mist, flammable gases, salty air or harmful gases such as sulphur.

⚠ WARNING

- Do not use any sprays such as insecticide, lacquer, hair spray or other flammable gases within approximately one (1) meter from the system.
- If circuit breaker or fuse is often activated, stop the system and contact your service contractor.
- Do not perform installation work, refrigerant piping work, drain piping and electrical wiring connection without referring to our installation manual. If the instructions are not followed, it may result in a water leakage, electric shock or a fire.
- Check that the ground wire is securely connected. If the unit is not correctly grounded, it lead electric shock. Do not connect the ground wiring to gas piping, water piping, lightning conductor or ground wiring for telephone.
- Connect a fuse of specified capacity.
- Do not put any foreign material on the unit or inside the unit.
- Make sure that the outdoor unit is not covered with snow or ice, before operation.
- Before performing any brazing work, check to ensure that there is no flammable material around.
  When using refrigerant be sure to wear leather gloves to prevent cold injuries.
- Protect the wires, electrical parts, etc. from rats or other small animals.
  If not protected, rats may gnaw at unprotected parts and which may lead to a fire.
- Fix the cables securely. External forces on the terminals could lead to a fire.

SAFETY SUMMARY

⚠CAUTION

- **Do not install the indoor unit, outdoor unit, remote control switch and cable within approximately 3 meters from strong electromagnetic wave radiators such as medical equipment.**
- **Supply electrical power to the system to energize the oil heater for 12 hours before start-up after a long shutdown.**
- **Do not step or put any material on the product.**
- **Provide a strong and correct foundation so that;**
  a. The outdoor unit is not on an incline.
  b. Abnormal sound does not occur.
  c. The outdoor unit will not fall down due to a strong wind or earthquake.

NOTES:

- **It is recommended that the room be ventilated every 3 to 4 hours.**
- **The heating capacity of the heat pump unit is decreased according to the outdoor air temperature. Therefore, it is recommended that auxiliary heating equipment be used in the field when the unit is installed in a low temperature region.**

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1. General Data

Indoor Unit Type			In-the-Ceiling Type (Low Static Pressure)				
Model			RPIL-0.8HNAUN1Q	RPIL-1.0HNAUN1Q	RPIL-1.3HNAUN1Q	RPIL-1.5HNAUN1Q	RPIL-1.8HNAUN1Q
Indoor Unit Power Supply			220-240V～50Hz				
Nominal Cooling Capacity *1)		kW	2.2	2.8	3.6	4.3	5.0
Nominal Cooling Capacity *2)		kW	2.3	2.9	3.8	4.4	5.2
Nominal Heating Capacity		kW	2.8	3.3	4.2	4.9	5.6
Sound Pressure Level (Overall A Scale)		dB	28/25/22	28/25/22	34/32/30	34/32/30	34/32/29
Outer Dimensions	Height	mm	270	270	270	270	270
	Width	mm	650+75	650+75	650+75	650+75	900+75
	Depth	mm	720	720	720	720	720
Air Outlet Dimensions	Height	mm	138	138	138	138	138
	Width	mm	582	582	582	582	832
Air Inlet Dimensions	Height	mm	225	225	225	225	225
	Width	mm	606	606	606	606	856
Net Weight		kg	23	23	24	24	30
Refrigerant		—	R410A(Nitrogen-Charged for Corrosion-Resistance)				
Indoor Fan Air Flow Rate*3)		m^3/min.	9/8/7	9/8/7	13/11/9	13/11/9	15/14/12
External Pressure*4)		Pa	30	30	30	30	30
Refrigerant pipe connection			Flare-Nut Connection (with Flare Nuts)				
Refrigerant Pipe Size	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7	Φ15.88
Condensate Drain		—	VP25	VP25	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.22	0.22	0.22	0.22	0.28

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.

   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.0°C WB (66.2°F WB)
   *2) 19.5°C WB (67°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.4m under the unit.
   With discharge duct (2.0m) and return duct (1.0m).
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1~2 dB.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The air flow rate is based on following conditions.
   Voltage of the power source for the indoor fan motor is 220V.

4. The data for external pressure *4) indicate "Standard Pressure Setting" values when a filter is not used.

Indoor Unit Type			In-the-Ceiling Type (Low Static Pressure)				
Model			RPIL-2.0HNAUN1Q	RPIL-2.3HNAUN1Q	RPIL-2.5HNAUN1Q	RPIL-3.0HNAUN1Q	RPIL-3.3HNAUN1Q
Indoor Unit Power Supply			220-240V～50Hz				
Nominal Cooling Capacity *1)		kW	5.6	6.3	7.1	8.4	9.0
Nominal Cooling Capacity *2)		kW	5.8	6.5	7.3	8.7	9.3
Nominal Heating Capacity		kW	6.5	7.5	8.5	9.6	10.0
Sound Pressure Level (Overall A Scale)		dB	34/32/29	36.5/30.5/25	36.5/30.5/25	38/30/24	38/30/24
Outer Dimensions	Height	mm	270	270	270	300	300
	Width	mm	900+75	900+75	900+75	1100+75	1100+75
	Depth	mm	720	720	720	800	800
Air Outlet Dimensions	Height	mm	138	138	138	195	195
	Width	mm	832	832	832	1036	1036
Air Inlet Dimensions	Height	mm	225	225	225	256	256
	Width	mm	856	856	856	1047	1047
Net Weight		kg	30	30	30	44	44
Refrigerant		—	R410A (Nitrogen-Charged for Corrosion-Resistance)				
Indoor Fan Air Flow Rate*3)		m^3/min.	15/14/12	21/14/11	21/14/11	29/25/21	29/25/21
External Pressure *4)		Pa	30	30	30	60	60
Refrigerant pipe connections			Flare-Nut Connection (with Flare Nuts)				
Refrigerant Pipe Size	Liquid	mm	Φ6.35	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	Gas	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		—	VP25	VP25	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.28	0.28	0.28	0.4	0.4

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.0°C WB (66.2°F WB)
   *2) 19.5°C WB (67°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.4m under the unit.
   With discharge duct (2.0m) and return duct (1.0m).
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1~2 dB.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. The air flow rate is based on following conditions.
   Voltage of the power source for the indoor fan motor is 220V.
4. The data for external pressure *4) indicate "Standard Pressure Setting" values when a filter is not used.

Indoor Unit Type			In-the-Ceiling Type (Low Static Pressure)		
Model			RPIL-4.0HNAUN1Q	RPIL-5.0HNAUN1Q	RPIL-6.0HNAUN1Q
Indoor Unit Power Supply			220-240V~50Hz		
Nominal Cooling Capacity *1)		kW	11.2	14.2	16.0
Nominal Cooling Capacity *2)		kW	11.6	14.5	16.5
Nominal Heating Capacity		kW	13.0	16.3	18.0
Sound Pressure Level (Overall A Scale)		dB	38/35/31	44/39/35	46/41/35
Outer Dimensions	Height	mm	300	300	300
	Width	mm	1100+75	1,400+75	1,400+75
	Depth	mm	800	800	800
Air Outlet Dimensions	Height	mm	195	195	195
	Width	mm	1036	1336	1336
Air Inlet Dimensions	Height	mm	256	256	256
	Width	mm	1047	1347	1347
Net Weight		kg	44	51	51
Refrigerant		—	R410A (Nitrogen-Charged for Corrosion-Resistance)		
Indoor Fan Air Flow Rate*3)		m^3/min.	29/25/21	36/31/26	42/34/26
External Pressure *4)		Pa	60	60	60
Refrigerant Pipe Connection			Flare-Nut Connection (with Flare Nuts)		
Refrigerant Pipe Size	Liquid	mm	Φ9.53	Φ9.53	Φ9.53
	Gas	mm	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		—	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.4	0.49	0.49

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.

   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.0°C WB (66.2°F WB)
   *2) 19.5°C WB (67°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.4m under the unit.
   With discharge duct (2.0m) and return duct (1.0m).
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1~2 dB.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The air flow rate is based on following conditions.
   Voltage of the power source for the indoor fan motor is 220V.

4. The data for external pressure *4) indicate "Standard Pressure Setting" values when a filter is not used.

Indoor Unit Type			In-the-Ceiling Type (Low Static Pressure)	
Model			RPI-8.0FSN3Q	RPI-10.0FSN3Q
Indoor Unit Power Supply			AC 3Φ, 380~415V/50Hz/380V60HZ	
Nominal Cooling Capacity *1)		kW kcal/h	23.2 20,000	28.6 24,600
Nominal Cooling Capacity *2)		kW kcal/h	22.4 19,300	28.0 24,100
Nominal Heating Capacity		kW kcal/h	25.0 21,500	31.5 27,100
Sound Pressure Level (Overall A Scale)		dB	50	52
Outer Dimensions	Height	mm	470	470
	Width	mm	1,060	1,250
	Depth	mm	1,120	1,120
Net Weight		kg	96	104
Refrigerant		—	R410A (Nitrogen-Charged for Corrosion-Resistance)	
Indoor Fan Air Flow Rate (Hi/Me/Lo)		m^3/min.	58(56*)	72(70*)
External Pressure *3)		Pa	100	100
Refrigerant Pipe Connection			Flare-Nut Connection (with Flare Nuts)	
Refrigerant Pipe Size	Liquid	mm	Φ9.53	Φ9.53
	Gas	mm	Φ19.05	Φ22.2
Condensate Drain		—	VP25	VP25
Approximate Packing Measurement		m^3	0.90	1.06

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.

   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.5°C WB (67°F WB)
   *2) 19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)

   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.5m under the unit.
   With discharge duct (2.0m) and return duct (1.0m).
   Voltage of the power source for the indoor fan motor is 220V.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. The data for external pressure *3) indicates "Standard Pressure Setting values when a filter is not used.
4. *: The in door fan data in brackets () are rated output power when the power supply is 60Hz.

Indoor Unit Type			In-the-Ceiling Type (Middle Static Pressure)			
Model			RPIM-0.8HNAUN1Q	RPIM-1.0HNAUN1Q	RPIM-1.3HNAUN1Q	RPIM-1.5HNAUN1Q
Indoor Unit Power Supply			220-240V~50Hz			
Nominal Cooling Capacity *1)		kW	2.2	2.8	3.6	4.3
Nominal Cooling Capacity *2)		kW	2.3	2.9	3.8	4.4
Nominal Heating Capacity		kW	2.8	3.3	4.2	4.9
Sound Pressure Level (Overall A Scale)		dB	32/27/24	32/27/24	35/33/28	35/33/28
Outer Dimensions	Height	mm	270	270	270	270
	Width	mm	650+75	650+75	650+75	650+75
	Depth	mm	720	720	720	720
Air Outlet Dimensions	Height	mm	138	138	138	138
	Width	mm	582	582	582	582
Air Inlet Dimensions	Height	mm	225	225	225	225
	Width	mm	606	606	606	606
Net Weight		kg	23	23	25	25
Refrigerant		—	R410A (Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate*3)		m^3/min.	10/8/7	10/8/7	12/11/9	12/11/9
External Pressure *4)		Pa	50(80)	50(80)	50(80)	50(80)
Refrigerant Pipe Connection			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Pipe Size	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7
Condensate Drain		—	VP25	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.22	0.22	0.22	0.22

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.

   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.0°C WB (66.2°F WB)
   *2) 19.5°C WB (67°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.4m under the unit.
   With discharge duct (2.0m) and return duct (1.0m).
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1~2 dB.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The air flow rate is based on following conditions.
   Voltage of the power source for the indoor fan motor is 220V.

4. The data for external pressure *4) indicate "Standard Pressure Setting" values when a filter is not used.

Indoor Unit Type			In-the-Ceiling Type (Middle Static Pressure)			
Model			RPIM-1.8HNAUN1Q	RPIM-2.0HNAUN1Q	RPIM-2.3HNAUN1Q	RPIM-2.5HNAUN1Q
Indoor Unit Power Supply			220-240V～50Hz			
Nominal Cooling Capacity *1)		kW	5.0	5.6	6.3	7.1
Nominal Cooling Capacity *2)		kW	5.2	5.8	6.5	7.3
Nominal Heating Capacity		kW	5.6	6.5	7.5	8.5
Sound Pressure Level (Overall A Scale)		dB	35.5/33/28	35.5/33/28	39/34/26	39/34/26
Outer Dimensions	Height	mm	270	270	270	270
	Width	mm	900+75	900+75	900+75	900+75
	Depth	mm	720	720	720	720
Air Outlet Dimensions	Height	mm	138	138	138	138
	Width	mm	832	832	832	832
Air Inlet Dimensions	Height	mm	225	225	225	225
	Width	mm	856	856	856	856
Net Weight		kg	31	31	31	31
Refrigerant		—	R410A (Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate *3)		m^3/min.	16/14/11.5	16/14/11.5	20/16/11	20/16/11
External Pressure *4)		Pa	50(80)	50(80)	50(80)	50(80)
Refrigerant Piping Connection			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping Size	Liquid	mm	Φ6.35	Φ6.35	Φ9.53	Φ9.53
	Gas	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		—	VP25	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.28	0.28	0.28	0.28

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.

   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.0°C WB (66.2°F WB)
   *2) 19.5°C WB (67°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.4m under the unit.
   With discharge duct (2.0m) and return duct (1.0m).
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1~2 dB.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The air flow rate is based on following conditions.
   Voltage of the power source for the indoor fan motor is 220V.

4. The data for external pressure *4) indicate "Standard Pressure Setting" values when a filter is not used.

Indoor Unit Type			In-the-Ceiling Type (High Static Pressure)				
Model			RPIH-3.0HNAUN1Q	RPIH-3.3HNAUN1Q	RPIH-4.0HNAUN1Q	RPIH-5.0HNAUN1Q	RPIH-6.0HNAUN1Q
Indoor Unit Power Supply			220-240V~50Hz				
Nominal Cooling Capacity *1)		kW	8.4	9.0	11.2	14.2	16.0
Nominal Cooling Capacity *2)		kW	8.7	9.3	11.6	14.5	16.5
Nominal Heating Capacity		kW	9.6	10.0	13.0	16.3	18.0
Sound Pressure Level (Overall A Scale)		dB	42/39/34	42/39/34	43/39/34	44/41/37	48/42/37
Outer Dimensions	Height	mm	300	300	300	300	300
	Width	mm	1100+75	1100+75	1100+75	1400+75	1400+75
	Depth	mm	800	800	800	800	800
Air Outlet Dimensions	Height	mm	195	195	195	195	195
	Width	mm	1036	1036	1036	1336	1336
Air Inlet Dimensions	Height	mm	256	256	256	256	256
	Width	mm	1047	1047	1047	1347	1347
Net Weight		kg	44	44	44	52	52
Refrigerant		—	R410A (Nitrogen-Charged for Corrosion-Resistance)				
Indoor Fan Air Flow Rate*3)		m^3/min.	30/28/23	30/28/23	30/28/23	35.5/32/27	41/33/26
External Pressure *4)		Pa	120(90)	120(90)	120(90)	120(90)	120(90)
Refrigerant Piping Connection			Flare-Nut Connection (with Flare Nuts)				
Refrigerant Piping Size	Liquid	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	Gas	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		—	VP25	VP25	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.4	0.4	0.4	0.49	0.49

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.

   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.0°C WB (66.2°F WB)
   *2) 19.5°C WB (67°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.4m under the unit.
   With discharge duct (2.0m) and return duct (1.0m).
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1~2 dB.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The air flow rate is based on following conditions.
   Voltage of the power source for the indoor fan motor is 220V.

4. The data for external pressure *4) indicate "Standard Pressure Setting" values when a filter is not used.

Indoor Unit Type			In-the-Ceiling Type (Middle Static Pressure)			
Model			RPIM-0.8HNAUB1Q	RPIM-1.0HNAUB1Q	RPIM-1.3HNAUB1Q	RPIM-1.5HNAUB1Q
Indoor power supply			220V~60Hz			
Nominal cooling capacity Capacity*1)		kW	2.2	2.8	3.6	4.3
Nominal cooling capacity Capacity*2)		kW	2.3	2.9	3.8	4.4
Nominal heating capacity Capacity		kW	2.8	3.3	4.2	4.9
Sound Pressure level (Overall A Scale)		dB	34/29.5/25	34/29.5/25	38.5/35/31	38.5/35/31
Outer Dimensions	Height	mm	270	270	270	270
	Width	mm	650+75	650+75	650+75	650+75
	Depth	mm	720	720	720	720
Air Outlet Dimensions	Height	mm	138	138	138	138
	Width	mm	582	582	582	582
Air Inlet Dimensions	Height	mm	225	225	225	225
	Width	mm	606	606	606	606
Net Weight		kg	23	23	24	24
Refrigerant		-	R410A(Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate		m^3/min	10.5/8/6.5	10.5/8/6.5	14/12/10	14/12/10
External static pressure*3)		Pa	50（80）	50（80）	50（80）	50（80）
Refrigerant Pipe Connection			Flare-nut Connection (with Flare Nuts)			
Refrigerant Pipe Size	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7
Condensate drain		-	VP25	VP25	VP25	VP25
Approximate Packing measurement		m^3	0.30	0.30	0.30	0.30

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.

   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.0°C WB (66.2°F WB)
   *2) 19.5°C WB (67°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.4m under the unit.
   With discharge duct (2.0m) and return duct (1.0m).
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1~2 dB.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The data for external pressure *4) indicate "Standard Pressure Setting" values when a filter is not used.

Indoor Unit Type			In-the-Ceiling Type (Middle Static Pressure)			
Model			RPIM-1.8HNAUB1Q	RPIM-2.0HNAUB1Q	RPIM-2.3HNAUB1Q	RPIM-2.5HNAUB1Q
Indoor power supply			220V~60Hz			
Nominal cooling capacity Capacity*1)		kW	5.0	5.6	6.3	7.1
Nominal cooling capacity Capacity*2)		kW	5.2	5.8	6.5	7.3
Nominal heating capacity Capacity		kW	5.6	6.5	7.5	8.5
Sound Pressure level (Overall A Scale)		dB	38.5/36.3/29.5	38.5/36.3/29.5	41/34/27	41/34/27
Outer Dimensions	Height	mm	270	270	270	270
	Width	mm	900+75	900+75	900+75	900+75
	Depth	mm	720	720	720	720
Air Outlet Dimensions	Height	mm	138	138	138	138
	Width	mm	832	832	832	832
Air Inlet Dimensions	Height	mm	225	225	225	225
	Width	mm	856	856	856	856
Net Weight		kg	31	31	31	31
Refrigerant		-	R410A(Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate		m^3/min	18/15.5/12	18/15.5/12	21/15.5/11.5	21/15.5/11.5
External static pressure*3)		Pa	50（80）	50（80）	50（80）	50（80）
Refrigerant Pipe Connection			Flare-nut Connection (with Flare Nuts)			
Refrigerant Pipe Size	Liquid	mm	Φ6.35	Φ6.35	Φ9.53	Φ9.53
	Gas	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate drain		-	VP25	VP25	VP25	VP25
Approximate Packing measurement		m^3	0.38	0.38	0.38	0.38

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.

   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.0°C WB (66.2°F WB)
   *2) 19.5°C WB (67°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.4m under the unit.
   With discharge duct and return duct.
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1~2 dB.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The data for external pressure *4) indicate "Standard Pressure Setting" values when a filter is not used.

Indoor Unit Type			In-the-Ceiling Type (High Static Pressure)				
Model			RPIH-3.0HNAUB1Q	RPIH-3.3HNAUB1Q	RPIH-4.0HNAUB1Q	RPIH-5.0HNAUB1Q	RPIH-6.0HNAUB1Q
Indoor power supply			220V~60Hz				
Nominal cooling capacity Capacity*1)		kW	8.4	9.0	11.2	14.2	16.0
Nominal cooling capacity Capacity*2)		kW	8.7	9.3	11.6	14.5	16.5
Nominal heating capacity Capacity		kW	9.6	10.0	13.0	16.3	18.0
Sound Pressure level (Overall A Scale)		dB	43/40/34	43/40/34	43/40/34	46/41/36	48/42/37
Outer Dimensions	Height	mm	300	300	300	300	300
	Width	mm	1100+75	1100+75	1100+75	1400+75	1400+75
	Depth	mm	800	800	800	800	800
Air Outlet Dimensions	Height	mm	195	195	195	195	195
	Width	mm	1036	1036	1036	1336	1336
Air Inlet Dimensions	Height	mm	256	256	256	256	256
	Width	mm	1047	1047	1047	1347	1347
Net Weight		kg	44	44	44	51	52
Refrigerant		-	R410A(Nitrogen-Charged for Corrosion-Resistance)				
Indoor Fan Air Flow Rate		m^3/min	32/27.5/22.5	32/27.5/22.5	32/27.5/22.5	41/34/27.5	43/34.5/27
External pressure*3)		Pa	120（90）	120（90）	120（90）	120（90）	120（90）
Refrigerant Pipe Connection			Flare-nut Connection (with Flare Nuts)				
Refrigerant Pipe Size	Liquid	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	Gas	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate drain		-	VP25	VP25	VP25	VP25	VP25
Approximate Packing measurement		m^3	0.53	0.53	0.53	0.65	0.65

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.

   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.0°C WB (66.2°F WB)
   *2) 19.5°C WB (67°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.4m under the unit.
   With discharge duct and return duct.
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1~2 dB.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The data for external pressure *4) indicate "Standard Pressure Setting" values when a filter is not used.

Indoor Unit Type			In-the-Ceiling Type (High Static Pressure)	
Model			RPI-8.0FSNQ	RPI-10.0FSNQ
Indoor Unit Power Supply			AC 3φ, 380~415V/50Hz, 380V/60Hz	
Nominal Cooling Capacity *1)		kW kcal/h	23.2 20,000	28.6 24,600
Nominal Cooling Capacity *2)		kW kcal/h	22.4 19,300	28.0 24,100
Nominal Heating Capacity		kW kcal/h	25.0 21,500	31.5 27,100
Sound Pressure Level (Overall A Scale)		dB	50	52
Outer Dimensions	Height	mm	470	470
	Width	mm	1,060	1,250
	Depth	mm	1,120	1,120
Net Weight		kg	96	104
Refrigerant		—	R410A (Nitrogen-Charged for Corrosion-Resistance)	
Indoor Fan Air Flow Rate (Hi/Me/Lo)		m^3/min.	58	72
External Pressure *3)		Pa	180	180
Refrigerant Pipe Connection			Flare-Nut Connection (with Flare Nuts)	
Refrigerant Pipe Size	Liquid	mm	Φ9.53	Φ9.53
	Gas	mm	Φ19.05	Φ22.2
Condensate Drain		—	VP25	VP25
Approximate Packing Measurement		m^3	0.90	1.06

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.

   Cooling Operation Conditions
   - Indoor Air Inlet Temperature: 27°C DB (80°F DB)
     *1) 19.5°C WB (67°F WB)
     *2) 19.0°C WB (66.2°F WB)
   - Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

   Heating Operation Conditions
   - Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   - Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
     6°C WB (43°F WB)

   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.5m under the unit.
   With discharge duct (2.0m) and return duct (1.0m).
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1 dB.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The data for external pressure *3) indicates "Standard Pressure Setting values when a filter is not used.

Indoor Unit Type		In-the-Ceiling Type (High Static Pressure)	
Model		RPIH-8.0HNDUSQ	RPIH-10.0HNDUSQ
Indoor Unit Power Supply		AC,1Φ,220~240V,50Hz; 1Φ,220V,60Hz	
Nominal Cooling Capacity *1)	kW	23.2	28.6
	kcal/h	20,000	24,600
	Btu/h	79,200	97,600
Nominal Cooling Capacity *2)	kW	22.4	28.0
	kcal/h	19,300	24,100
	Btu/h	76,500	95,600
Cooling Power Consumption	kW	0.49	0.83
Nominal Heating Capacity	kW	25.0	31.5
	kcal/h	21,500	27,100
	Btu/h	85,300	107,500
Heating Power Consumption	kW	0.49	0.83
Sound Pressure Level (Overall A Scale) *4)	dB	49/48/47/46/45/44	53/52/50/49/47/45
Height	mm	470	470
	(in.)	(18-1/2)	(18-1/2)
Width	mm	1,250	1,250
	(in.)	(49-1/4)	(49-1/4)
Depth	mm	1,120	1,120
	(in.)	(44-1/12)	(44-1/12)
Net Weight	kg	104	104
	(lbs.)	(229)	(229)
Refrigerant	—	R410A (Nitrogen-Charged for Corrosion-Resistance)	
Indoor Fan Air Flow Rate	m^3/h	3420/3240/3120/3060/ 2940/2850	4320/4080/3900/3660/ 3450/3000
	(cfm)	(2012/1906/1835/1800/ 1730/1677)	(2541/2400/2294/2153/ 2030/1765)
External Pressure *3)	Pa	150(50/250)	150(50/250)
Piping Connection	—	Brazing	
Liquid Line	mm	Φ9.53	Φ9.53
	(in.)	(3/8)	(3/8)
Gas Line	mm	Φ22.2	Φ22.2
	(in.)	(7/8)	(7/8)
Condensate Drain	—	VP25	VP25
Approximate Packing Measurement	m^3	1.08	1.08

NOTES:

1. The nominal cooling capacity is the combined capacity of the standard split system.

Cooling Operation Conditions

Indoor Air Inlet Temperature: 27℃ DB (80℉ DB)
*1) 19.5℃ WB (67℉ WB)
*2) 19.0℃ WB (66.2℉ WB)

Outdoor Air Inlet Temperature: 35℃ DB (95℉ DB)

Heating Operation Conditions

Indoor Air Inlet Temperature: 20℃ DB (68℉ DB)

Outdoor Air Inlet Temperature: 7℃ DB (45℉ DB)
6℃ WB (43℉ WB)

Piping Lift: 0 Meter

Piping Length: 7.5 Meters

2. The sound pressure level is based on the following conditions.

1.5m under the unit.
With Discharge Duct (2.0m) and Return Duct (1.0m).
Voltage of the power source for the indoor fan motor is 220V.
In case of the power source of 240V, the sound pressure level increases by about 1 dB.
The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The data for external pressure *3) indicates Standard Pressure Setting values when a filter is not used.

4.*4) The noise value is 150Pa corresponding value.

Indoor Unit Type			Low-Height In-the-Ceiling Type(DC)			
Model			RPIZ-0.8HNDTS1Q	RPIZ-1.0HNDTS1Q	RPIZ-1.3HNDTS1Q	RPIZ-1.5HNDTS1Q
Indoor Unit Power Supply			220-240V~50Hz, 220V~60Hz			
Nominal Cooling Capacity *1)		kW	2.2	2.8	3.6	4.0
Nominal Cooling Capacity *2)		kW Btu/h	2.3	2.9 9,900	3.8	4.2
Nominal Heating Capacity		kW	2.5	3.2	4	4.5
Sound Pressure Level (Overall A Scale)		dB	32/30/29/27 /25/24	33/31/28/25/ 23.5/22.5	33/31/28/25/ 23.5/22.5	31/30/28/ 25/22/20
Outer Dimensions	Height	mm	192	192	192	192
	Width	mm	700	700	700	910
	Depth	mm	447	447	447	447
Air Outlet Dimensions	Height	mm	130	130	130	130
	Width	mm	540	540	540	750
Air Inlet Dimensions	Height	mm	171	171	171	171
	Width	mm	549	549	549	759
Net Weight		kg	17	17	17	20
Refrigerant		—	R410A(Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate *3)		m^3/min.	7/6.3/5.7/5.3/4.8/4.5	8.5/8/7/6/5.5/5	8.5/8/7/6/5.5/5	10/9/8/7.5/6.5/6
External Pressure *4)		Pa	10(0-10-30)	10(0-10-30)	10(0-10-30)	10(0-10-30)
Refrigerant Pipe Connection			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Pipe Size	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7
Condensate Drain		—	VP25	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.14	0.14	0.14	0.15

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.

   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.0°C WB (66.2°F WB)
   *2) 19.5°C WB (67°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.4m under the unit.
   With discharge duct (2.0m) and return duct (1.0m).
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1~2 dB.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

3. The air flow rate is based on following conditions.
   Voltage of the power source for the indoor fan motor is 230V.

4. The data for external pressure *4) indicate "Standard Pressure Setting" values when a filter is not used.

Indoor Unit Type			Low-Height In-the-Ceiling Type(DC)			
Model			RPIZ-1.8HNDTS1Q	RPIZ-2.0HNDTS1Q	RPIZ-2.3HNDTS1Q	RPIZ-2.5HNDTS1Q
Indoor Unit Power Supply			220-240V~50Hz, 220V~60Hz			
Nominal Cooling Capacity *1)		kW	5.0	5.6	6.3	7.1
Nominal Cooling Capacity *2)		kW	5.2	5.8	6.5	7.3
Nominal Heating Capacity		kW	5.6	6.3	7.1	8.0
Sound Pressure Level (Overall A Scale)		dB	36/33.5/31/28/24.5/22.5	36/33.5/31/28/24.5/22.5	37/36/33/30/28/25	37/36/33/30/28/25
Outer Dimensions	Height	mm	192	192	192	192
	Width	mm	1,180	1,180	1,180	1,180
	Depth	mm	447	447	447	447
Air Outlet Dimensions	Height	mm	130	130	130	130
	Width	mm	1020	1020	1020	1020
Air Inlet Dimensions	Height	mm	171	171	171	171
	Width	mm	1029	1029	1029	1029
Net Weight		kg	25	25	25	25
Refrigerant		—	R410A(Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate *3)		m^3/min.	14.5/13.2/11.8/10.5/9.2/8	14.5/13.2/11.8/10.5/9.2/8	16.5/15/13/12/10/9	16.5/15/13/12/10/9
External Pressure *4)		Pa	10(0-10-50)	10(0-10-50)	10(0-10-50)	10(0-10-50)
Refrigerant Pipe Connection			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Pipe Size	Liquid	mm	Φ6.35	Φ6.35	Φ9.53	Φ9.53
	Gas	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		—	VP25	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.18	0.18	0.18	0.18

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.0°C WB (66.2°F WB)
   *2) 19.5°C WB (67°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.4m under the unit.
   With discharge duct (2.0m) and return duct (1.0m).
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1~2 dB.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. The air flow rate is based on following conditions.
   Voltage of the power source for the indoor fan motor is 230V.
4. The data for external pressure *4) indicate "Standard Pressure Setting" values when a filter is not used.

Indoor Unit Type			Low-Height In-the-Ceiling Type(AC)			
Model			RPIZ-0.8HNATN1Q	RPIZ-1.0HNATN1Q	RPIZ-1.3HNATN1Q	RPIZ-1.5HNATN1Q
Indoor Unit Power Supply			220-240V~50Hz			
Nominal Cooling Capacity *1)		kW	2.2	2.8	3.6	4.0
Nominal Cooling Capacity *2)		kW	2.3	2.9	3.8	4.2
Nominal Heating Capacity		kW	2.5	3.2	4	4.5
Sound Pressure Level (Overall A Scale)		dB	30/23/20	30/23/20	34/25/22	32.5/26/23
Outer Dimensions	Height	mm	192	192	192	192
	Width	mm	700	700	700	910
	Depth	mm	447	447	447	447
Air Outlet Dimensions	Height	mm	130	130	130	130
	Width	mm	539	539	539	750
Air Inlet Dimensions	Height	mm	158	158	158	171
	Width	mm	573	573	573	759
Net Weight		kg	17	17	17	21
Refrigerant		—	R410A(Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate*3)		m^3/min.	9.5/6.5/5.5	9.5/6.5/5.5	9.5/6.5/5.5	10/7/6
External Pressure *4)		Pa	10(30)	10(30)	10(30)	10(30)
Refrigerant Pipe Connection			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Pipe Size	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7	Φ12.7
Condensate Drain		—	VP25	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.142	0.142	0.142	0.15

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.0°C WB (66.2°F WB)
   *2) 19.5°C WB (67°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.4m under the unit.
   With discharge duct (2.0m) and return duct (1.0m).
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1~2 dB.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. The air flow rate is based on following conditions.
   Voltage of the power source for the indoor fan motor is 230V.
4. The data for external pressure *4) indicate "Standard Pressure Setting" values when a filter is not used.

Indoor Unit Type			Low-Height In-the-Ceiling Type(AC)			
Model			RPIZ-1.8HNATN1Q	RPIZ-2.0HNATN1Q	RPIZ-2.3HNATN1Q	RPIZ-2.5HNATN1Q
Indoor Unit Power Supply			220-240V~50Hz			
Nominal Cooling Capacity *1)		kW	5.0	5.6	6.3	7.1
Nominal Cooling Capacity *2)		kW	5.2	5.8	6.5	7.3
Nominal Heating Capacity		kW	5.6	6.3	7.1	8
Sound Pressure Level (Overall A Scale)		dB	34/26/25	34/26/25	37/29/27	37/29/27
Outer Dimensions	Height	mm	192	192	192	192
	Width	mm	1,180	1,180	1,180	1,180
	Depth	mm	447	447	447	447
Air Outlet Dimensions	Height	mm	130	130	130	130
	Width	mm	1020	1020	1020	1020
Air Inlet Dimensions	Height	mm	171	171	171	171
	Width	mm	1029	1029	1029	1029
Net Weight		kg	27	27	28	28
Refrigerant		—	R410A(Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate *3)		m^3/min.	15/10/9	15/10/9	17/10/9	17/10/9
External Pressure *4)		Pa	10(30)	10(30)	10(30)	10(30)
Refrigerant Pipe Connection			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Pipe Size	Liquid	mm	Φ6.35	Φ6.35	Φ9.53	Φ9.53
	Gas	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		—	VP25	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.18	0.18	0.18	0.18

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.0°C WB (66.2°F WB)
   *2) 19.5°C WB (67°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.4m under the unit.
   With discharge duct (2.0m) and return duct (1.0m).
   Voltage of the power source for the indoor fan motor is 220V.
   In case of the power source of 240V, the sound pressure level increases by about 1~2 dB.
   The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
3. The air flow rate is based on following conditions.
   Voltage of the power source for the indoor fan motor is 230V.
4. The data for external pressure *4) indicate "Standard Pressure Setting" values when a filter is not used.

Indoor Unit Type			1-Way Cassette Type		
Model			RCIS-1.0FSKDNQ	RCIS-1.3FSKDNQ	RCIS-1.6FSKDNQ
Power Supply			AC 1 Φ, 220-240V/50Hz AC 1Φ , 220V/60Hz		
Nominal Cooling Capacity		kW kcal/h	2.8 2,400	3.6 3,100	4.5 3,900
Cooling Power Consumption		kW	0.02	0.03	0.04
Nominal Heating Capacity		kW kcal/h	3.2 2,800	4.0 3,400	5.0 4,300
Heating Power Consumption		kW	0.03	0.04	0.05
Sound Pressure Level Nominal Cooling		dB (A)	32/31/30/29/28/27	37/35/34/32/30/28	41/37/34/33/31/30
Nominal Heating		dB (A)	35/34/32/31/29/28	40/36/35/33/30/29	43/39/35/33/31/29
Outer Dimensions	Height	mm	192	192	192
	Width	mm	910	910	910
	Depth	mm	470	470	470
Net Weight		kg	19	20	20
Refrigerant		—	R410A (Nitrogen-Charged for Corrosion-Resistance)		
Indoor Fan Air Flow Rate		m^3/h	396/372/336/306/288/276	498/438/408/372/336/306	600/498/408/378/342/312
Refrigerant Pipe Connection			Flare-Nut Connection (with Flare Nuts)		
Refrigerant Pipe Size	Liquid	mm	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ12.7	Φ12.7	Φ12.7
Condensate Drain		—	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.19	0.19	0.19
Adaptable Panel Model		—	P-N45SNKQAE		
Color		—	Neutral White		
Outer Dimensions Height		mm	55	55	55
Width		mm	1100	1100	1100
Depth		mm	550	550	550
Net Weight		kg	5	5	5
Approximate Packing Measurement		m^3	0.10	0.10	0.10

NOTES:

1.The nominal cooling capacity is the combined capacity of the Hitachi standard split system.

Cooling Operation Conditions

Indoor Air Inlet Temperature: 27°C DB (80°F DB)
19.0°C WB (66.2°F WB)

Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

Heating Operation Conditions

Indoor Air Inlet Temperature: 20°C DB (68°F DB)

Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
6°C WB (43°F WB)

Piping Length:7.5 Meters Piping Lift:0 Meter

2.The sound pressure level is based on following conditions.

1.5m below the unit.

The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Unit Type			1-Way Cassette Type	
Model			RCIS-2.0FSKDNQ	RCIS-2.5FSKDNQ
Power Supply			AC 1Φ, 220-240V/50Hz AC 1 Φ, 220V/60Hz	
Nominal Cooling Capacity		kW kcal/h	5.6 4,800	7.1 6,100
Cooling Power Consumption		kW	0.04	0.08
Nominal Heating Capacity		kW kcal/h	6.3 5,400	8.0 6,900
Heating Power Consumption		kW	0.05	0.10
Sound Pressure Level Nominal Cooling		dB (A)	40/38/35/33/32/31	46/42/40/37/34/32
Nominal Heating		dB (A)	41/39/36/35/33/31	48/46/43/40/37/33
Outer Dimensions	Height	mm	192	192
	Width	mm	1180	1180
	Depth	mm	470	470
Net Weight		kg	24	24
Refrigerant		—	R410A(Nitrogen-Charged for Corrosion-Resistance)	
Indoor Fan Air Flow Rate		m^3/h	726/594/528/492/468/396	936/756/672/594/504/426
Refrigerant Pipe Connection			Flare-Nut Connection (with Flare Nuts)	
Refrigerant Pipe Size	Liquid	mm	Φ6.35	Φ9.53
	Gas	mm	Φ15.88	Φ15.88
Condensate Drain		—	VP25	VP25
Approximate Packing Measurement		m^3	0.24	0.24
Adaptable Panel Model		—	P-N71SNKQAE	
Color		—	Neutral White	
Outer Dimensions	Height	mm	55	55
	Width	mm	1370	1370
	Depth	mm	550	550
Net Weight		kg	6	6
Approximate Packing Measurement		m^3	0.12	0.12

NOTES:

1. The nominal cooling capacity is the combined capacity of the Hitachi standard split system.

Cooling Operation Conditions

Indoor Air Inlet Temperature: 27°C DB (80°F DB)
19.0°C WB (66.2°F WB)

Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

Heating Operation Conditions

Indoor Air Inlet Temperature: 20°C DB (68°F DB)

Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
6°C WB (43°F WB)

Piping Length:7.5 Meters Piping Lift:0 Meter

2. The sound pressure level is based on following conditions.
1.5m below the unit.
The above data were measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Unit Type			4-Way Cassette Type		
MODEL			RCI-1.0FSKDN1Q	RCI-1.5FSKDN1Q	RCI-2.0FSKDN1Q
Power supply			AC 1Φ 220~240V/50Hz, 220V/60Hz		
Nominal cooling capacity		kW	2.8	4.0	5.6
Nominal heating capacity		kW	3.2	4.8	6.3
Air flow	Speed	m^3/min	15 / 13 / 11 / 9	21 / 17 / 14 / 11	22 / 17 / 14 / 11
Sound pressure level	Speed	dB(A)	33 / 30 / 28 / 27	35 / 31 / 30 / 27	37 / 32 / 30 / 27
Outer measurements	Height	mm	238	238	238
	Width	mm	840	840	840
	Depth	mm	840	840	840
Net weight		kg	20	21	21
Refrigerant			R410A (factory-charged corrosion-proof nitrogen)		
Refrigerant pipe connection			Flare nuts		
Refrigerant pipe size	Liquid	mm	ø6.35	ø6.35	ø6.35
	Gas	mm	ø12.7	ø12.7	ø12.7
Condensate drain connection		mm	VP25	VP25	VP25
Packaging measurements		m^3	0.26	0.26	0.26

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F
   Piping Length: 7.5 Meters WB) Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.5 Meters Beneath the Unit.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Unit Type			4-Way Cassette Type		
MODEL			RCI-2.3FSKDN1Q	RCI-2.5FSKDN1Q	RCI-3.0FSKDN1Q
Power supply			AC 1Φ 220～240V/50Hz, 220V/60Hz		
Nominal cooling capacity		kW	6.3	7.1	8.0
Nominal heating capacity		kW	7.1	8.5	9.0
Air flow	Speed	m^3/min	27 / 23 / 18 / 14	27 / 23 / 18 / 14	27 / 23 / 18 / 14
Sound pressure level	Speed	dB(A)	42 / 36 / 32 / 28	42 / 36 / 32 / 28	42 / 36 / 32 / 28
Outer measurements	Height	mm	238	238	288
	Width	mm	840	840	840
	Depth	mm	840	840	840
Net weight		kg	23	23	26
Refrigerant			R410A (factory-charged corrosion-proof nitrogen)		
Refrigerant pipe connection			Flare nuts		
Refrigerant pipe size	Liquid	mm	ø9.52	ø9.52	ø9.52
	Gas	mm	ø15.88	ø15.88	ø15.88
Condensate drain connection		mm	VP25	VP25	VP25
Maximum current		A	5	5	5
Packaging measurements		m^3	0.26	0.26	0.31

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F
   Piping Length: 7.5 Meters WB) Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.5 Meters Beneath the Unit.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Unit Type			4-Way Cassette Type		
MODEL			RCI-4.0FSKDN1Q	RCI-5.0FSKDN1Q	RCI-6.0FSKDN1Q
Power supply			AC 1Φ 220～240V/50Hz, 220V/60Hz		
Nominal cooling capacity		kW	11.2	14.0	16.0
Nominal heating capacity		kW	12.5	16.0	18.0
Air flow	Speed	m³/min	37 / 31 / 24 / 20	37 / 33 / 26 / 21	37 / 35 / 28 / 22
Fan motor type (output)		W	127	127	127
Sound pressure level	Speed	dB(A)	48 / 43 / 39 / 33	48 / 45 / 40 / 35	48 / 46 / 41 / 37
Outer measurements	Height	mm	288	288	288
	Width	mm	840	840	840
	Depth	mm	840	840	840
Net weight		kg	26	26	26
Refrigerant			R410A (factory-charged corrosion-proof nitrogen)		
Refrigerant Pipe Connection			Flare nuts		
Refrigerant Pipe Size	Liquid	mm	ø9.52	ø9.52	ø9.52
	Gas	mm	ø15.88	ø15.88	ø15.88
Condensate drain connection		mm	VP25	VP25	VP25
Maximum current		A	5	5	5
Packaging measurements		m³	0.31	0.31	0.31

NOTES:

1. The nominal cooling capacity is the combined capacity of the HITACHI standard split system, and is based on the JIS standard B8616.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F
   Piping Length: 7.5 Meters WB) Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.5 Meters Beneath the Unit.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Unit Type			Wall Type			
Model			RPK-0.8HNBUSQ	RPK-1.0HNBUSQ	RPK-1.3HNBUSQ	RPK-1.5HNBUSQ
Indoor Unit Power supply			AC 1φ,220~240V/50Hz;AC 1φ,220V/60Hz;			
Nominal Cooling Capacity		kW	2.2	2.8	3.6	4.0
Nominal Heating Capacity		kW	2.5	3.3	4.0	4.5
Sound Pressure Level (Overall A Scale)		dB(A)	36/35/33/32/30/28	36/35/33/32/30/28	38/35/33/32/30/28	38/37/36/32/31/29
Outer Dimensions	Height	mm	270	270	270	315
	Width	mm	815	815	815	915
	Depth	mm	203	203	203	230
Net Weight		kg	9	9	9	12.5
Refrigerant			R410A (Nitrogen charged in case of corrosion)			
Indoor Fan Air Flow Rate		m^3/h	590/550/520/ 490/450/420	590/550/520/ 490/450/420	620/550/520/ 490/450/420	690/660/620/ 540/520/480
Refrigerant Pipe Connection		-	Flare-Nut Connection (with Flare Nuts)			
Refrigerant Pipe Size	Liquid	mm	Φ6.35	Φ6.35	Φ6.35	Φ6.35
	Gas	mm	Φ9.53	Φ9.53	Φ9.53	Φ12.7
Condensate Drain		_	VP16	VP16	VP16	VP16
Packaging Dimensions	Height	mm	375	375	375	430
	Width	mm	920	920	920	1013
	Depth	mm	310	310	310	330
Packing Volume		m^3	0.11	0.11	0.11	0.15
Standard Accessories			Wall Mounting Bracket			

NOTES:

1. The nominal cooling capacity and heating capacity are based on following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   19°C WB (66°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (44°F DB)
   6°C WB (42°F WB)
   Piping Length: 7.5m(2.6ft.) Piping Lift: 0m(0ft.)
2. The sound pressure level is based on following conditions:
   0.8m below the unit and 1m in front of the unit.
   The above data were measured in an anechoic chamber so that reflected sound should b taken into consideration in the field
   The above noise values are measured under the condition of air supply.

Indoor Unit Type			Wall Type			
Model			RPK-1.8HNBUSQ	RPK-2.0HNBUSQ	RPK-2.3HNBUSQ	RPK-2.5HNBUSQ
Indoor Unit Power supply			AC 1φ,220~240V/50Hz; AC 1φ,220V/60Hz;			
Nominal Cooling Capacity		kW	5.0	5.6	6.3	7.1
Nominal Heating Capacity		kW	5.6	6.3	7.1	8.0
Sound Pressure Level (Overall A Scale)		dB(A)	44/42/41/38/31/29	40/38/36/35/33/31	41/40/38/35/33/31	45/42/41/38/35/31
Outer Dimensions	Height	mm	315	315	315	315
	Width	mm	915	1085	1085	1085
	Depth	mm	230	230	230	230
Net Weight		kg	12.5	14	14	14
Refrigerant			R410A (Nitrogen charged in case of corrosion)			
Indoor Fan Air Flow Rate		m^3/h	860/810/770/ 690/520/480	970/900/850/ 800/730/690	1020/970/900/ 800/730/690	1200/1080/1020/ 900/800/700
Refrigerant Pipe Connection		-	Flare-Nut Connection (with Flare Nuts)			
Refrigerant Pipe Size	Liquid	mm	Φ6.35	Φ9.53	Φ9.53	Φ9.53
	Gas	mm	Φ12.7	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		–	VP16	VP16	VP16	VP16
Packaging Dimensions	Height	mm	430	430	430	430
	Width	mm	1013	1178	1178	1178
	Depth	mm	330	330	330	330
Packing Volume		m^3	0.15	0.17	0.17	0.17
Standard Accessories			Wall Mounting Bracket			

NOTES:

1. The nominal cooling capacity and heating capacity are based on following conditions:
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   19°C WB (66°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (44°F DB)
   6°C WB (42°F WB)
   Piping Length: 7.5m(2.6ft.) Piping Lift: 0m(0ft.)
2. The sound pressure level is based on following conditions:
   0.8m below the unit and 1m in front of the unit.
   The above data were measured in an anechoic chamber so that reflected sound should b taken into consideration in the field
   The above noise values are measured under the condition of air supply.

Indoor Unit Type			Floor Concealed Type			
Model			RPFI-1.0FSNQ	RPFI-1.5FSNQ	RPFI-2.0FSNQ	RPFI-2.5FSNQ
Power Supply			AC 1ϕ, 220-240V/50Hz, 220V/60Hz			
Nominal Cooling Capacity *1)		kW kcal/h	2.9 2,500	4.1 3,500	5.8 5,000	7.3 6,300
Nominal Cooling Capacity *2)		kW kcal/h	2.8 2,400	4.3 3,700	5.6 4,800	7.1 6,100
Nominal Heating Capacity		kW kcal/h	3.3 2,800	4.9 4,200	6.5 5,600	8.5 7,300
Sound Pressure Level (Overall A Scale)		dB	37-34-31	40-38-35	42-38-36	45-43-40
Cabinet Color		—	--			
Outer Dimensions	Height	mm	620	620	620	620
	Width	mm	900	900	1170	1170
	Depth	mm	202	202	202	202
Net Weight		kg	25	26	34	34
Refrigerant		—	R410A (Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate (Hi/Me/Lo)		m^3/h	8.5/7/6	12/8/7	16/12.5/10.5	16/14/12
Refrigerant Pipe Connection			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Pipe Size	Liquid	mm	ϕ6.35	ϕ6.35	ϕ6.35	ϕ9.53
	Gas	mm	ϕ12.7	ϕ12.7	ϕ15.88	ϕ15.88
Condensate Drain		—	VP25	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.19	0.19	0.23	0.23

NOTES:

1. The nominal cooling capacity is the combined capacity of the Hitachi standard split system.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.5°C WB (67°F WB)
   *2) 19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.5m under the unit and 1.5m from inlet grille.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.

Indoor Unit Type			Ceiling & Floor Type			
Model			RPFC-1.8FSNQ	RPFC-2.0FSNQ	RPFC-2.3FSNQ	RPFC-2.5FSNQ
Power Supply			AC 1 , 220-240V/50Hz, 220V/60Hz			
Nominal Cooling Capacity *1)		kW kcal/h	5.2 4,500	5.8 5,000	6.5 5,600	7.3 6,300
Nominal Cooling Capacity *2)		kW kcal/h	5.0 4,300	5.6 4,800	6.3 5,400	7.1 6,100
Nominal Heating Capacity		kW kcal/h	5.6 4,800	6.5 5,600	7.5 6,500	8.5 7,300
Sound Pressure Level (Ceiling Type) (Overall A Scale)		dB	39-35-30	39-35-30	45-41-37	45-41-37
Sound Pressure Level (Floor Type) (Overall A Scale)		dB	43-38-35	43-38-35	48-44-40	48-44-40
Outer Dimensions	Height	mm	230	230	230	230
	Width	mm	990	990	990	990
	Depth	mm	680	680	680	680
Net Weight		kg	31	31	32	32
Refrigerant		—	R410A (Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate (Hi/Me/Lo)		m^3/h	780/660/540	780/660/540	966/840/678	966/840/678
Refrigerant Piping Connection			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping Size	Liquid	mm	Φ6.35	Φ6.35	Φ9.53	Φ9.53
	Gas	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		—	VP25	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.31	0.31	0.31	0.31

NOTES:

1. The nominal cooling capacity is the combined capacity of the Hitachi standard split system.

   Cooling Operation Conditions

   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.5°C WB (67°F WB)
   *2) 19.0°C WB (66.2°F WB)

   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)

   Heating Operation Conditions

   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)

   Piping Length: 7.5 Meters Piping Lift: 0 Meter

2. The sound pressure level is based on following conditions.
   1.0 Meter under the Unit. 1.0 Meter from Discharge Grille.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
   When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.

Indoor Unit Type			Ceiling & Floor Type			
Model			RPFC-3.0FSNQ	RPFC-3.3FSNQ	RPFC-4.0FSNQ	RPFC-5.0FSNQ
Power Supply			AC 1φ, 220-240V/50Hz, 220V/60Hz			
Nominal Cooling Capacity *1)		kW kcal/h	8.7 7,500	9.3 8,000	11.6 10,000	14.5 12,500
Nominal Cooling Capacity *2)		kW kcal/h	8.4 7,200	9.0 7,700	11.2 9,600	14.2 12,200
Nominal Heating Capacity		kW kcal/h	9.6 8,300	10.0 8,600	13.0 11,200	16.3 14,000
Sound Pressure Level (Ceiling Type) (Overall A Scale)		dB	43-39-34	45-40-36	51-46-40	50-46-42
Sound Pressure Level (Floor Type) (Overall A Scale)		dB	46-41-37	48-43-39	54-49-43	55-50-46
Outer Dimensions	Height	mm	230	230	230	230
	Width	mm	1285	1285	1285	1580
	Depth	mm	680	680	680	680
Net Weight		kg	39	40	41	47
Refrigerant		—	R410A (Nitrogen-Charged for Corrosion-Resistance)			
Indoor Fan Air Flow Rate (Hi/Me/Lo)		m^3/h	1092/912/732	1164/978/798	1488/1230/978	1980/1680/1380
Refrigerant Piping Connection			Flare-Nut Connection (with Flare Nuts)			
Refrigerant Piping Size	Liquid	mm	Φ9.53	Φ9.53	Φ9.53	Φ9.53
	Gas	mm	Φ15.88	Φ15.88	Φ15.88	Φ15.88
Condensate Drain		—	VP25	VP25	VP25	VP25
Approximate Packing Measurement		m^3	0.40	0.40	0.40	0.48

NOTES:

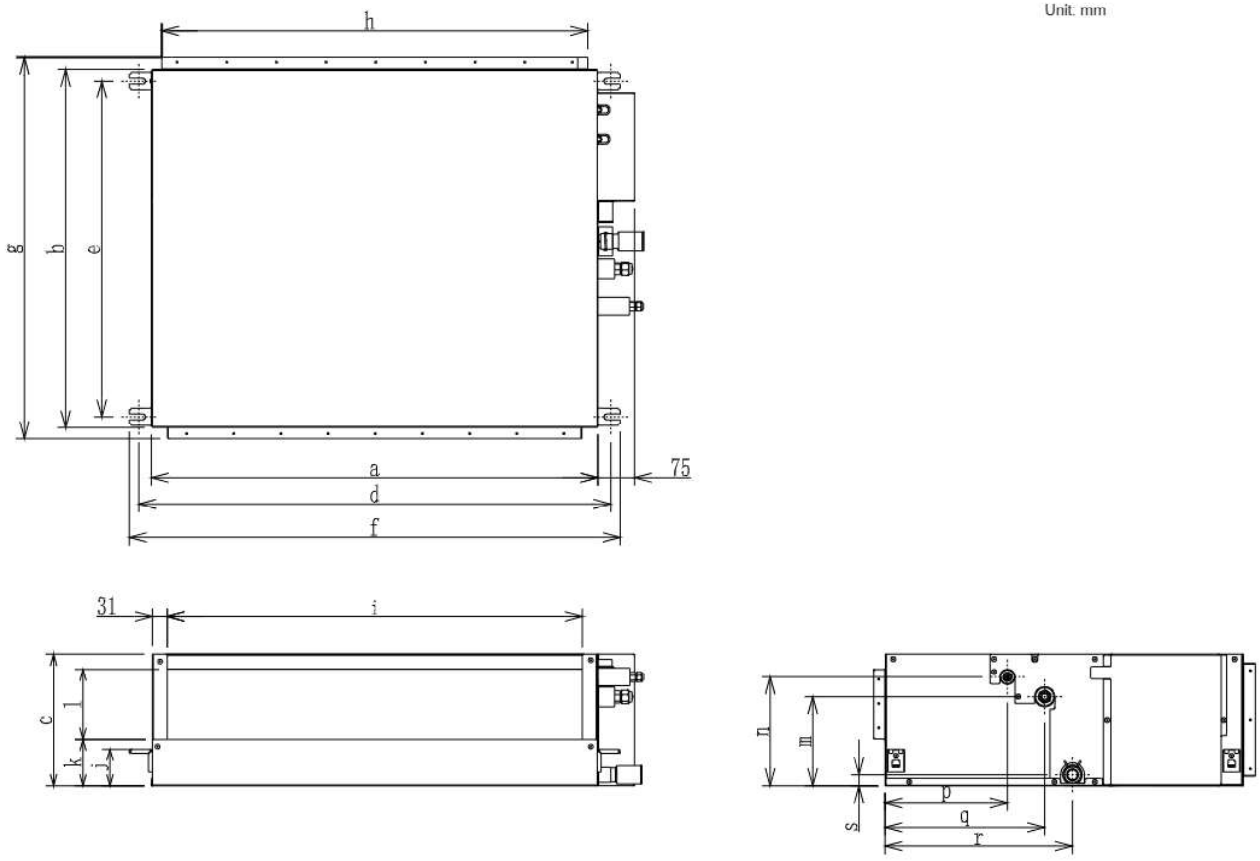
1. The nominal cooling capacity is the combined capacity of the Hitachi standard split system.
   Cooling Operation Conditions
   Indoor Air Inlet Temperature: 27°C DB (80°F DB)
   *1) 19.5°C WB (67°F WB)
   *2) 19.0°C WB (66.2°F WB)
   Outdoor Air Inlet Temperature: 35°C DB (95°F DB)
   Heating Operation Conditions
   Indoor Air Inlet Temperature: 20°C DB (68°F DB)
   Outdoor Air Inlet Temperature: 7°C DB (45°F DB)
   6°C WB (43°F WB)
   Piping Length: 7.5 Meters Piping Lift: 0 Meter
2. The sound pressure level is based on following conditions.
   1.0 Meter under the Unit. 1.0 Meter from Discharge Grille.
   The above data was measured in an anechoic chamber so that reflected sound should be taken into consideration in the field.
   When bottom air inlet is adopted, sound pressure will increase according to factors such as installation mode and the room structure.

3. Dimensional Data

■ In-the-Ceiling Type

Models: RPIL-0.8~6.0HNAUN1Q

Unit: mm



Unit: mm

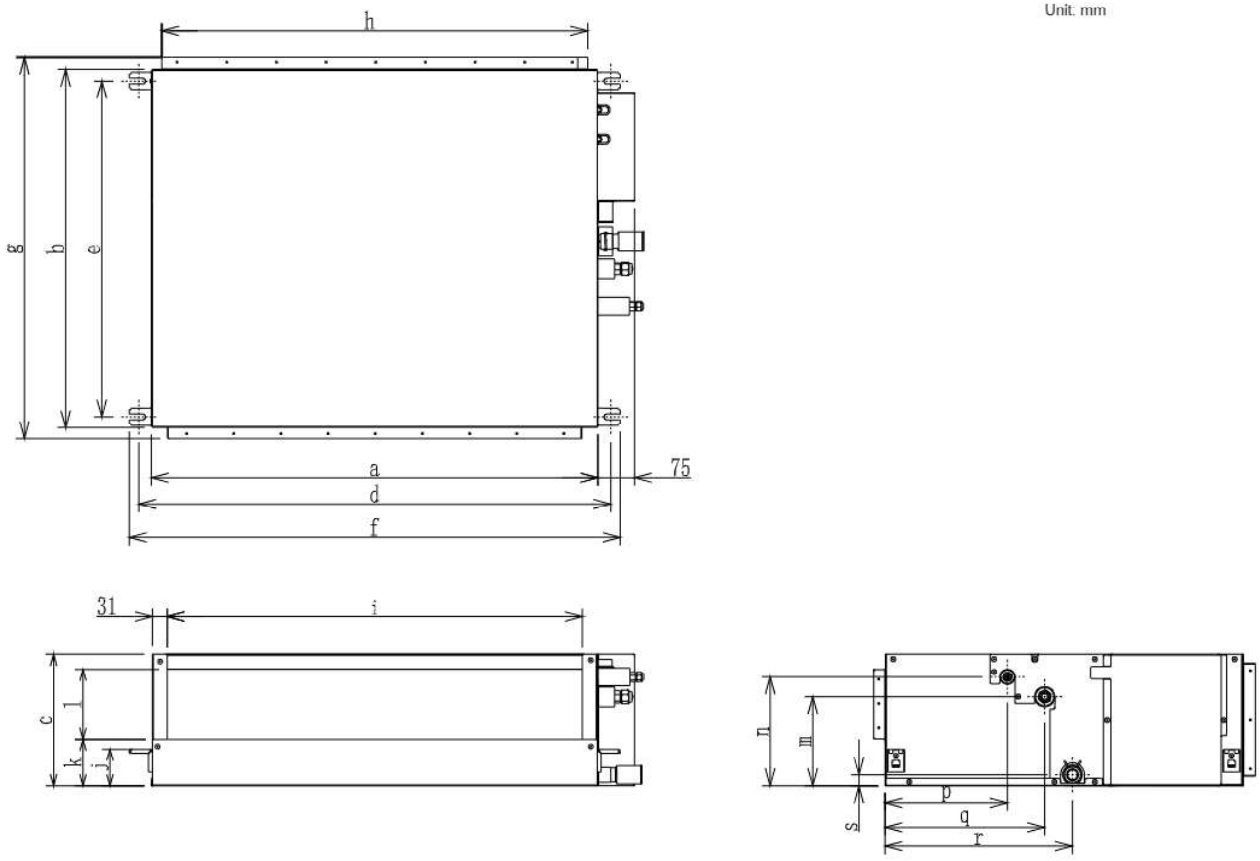
Dimension / Model	a	b	c	d	e	f	g	h	i	j	k	l	m	n	p	q	r	s
0.8	650	720	270	700	676	740	768	606	582	74	95	138	182	222	321	377	23	20
1.0	650	720	270	700	676	740	768	606	582	74	95	138	182	222	321	377	23	20
1.3	650	720	270	700	676	740	768	606	582	74	95	138	182	222	321	377	23	20
1.5	650	720	270	700	676	740	768	606	582	74	95	138	182	222	321	377	23	20
1.8	900	720	270	950	676	990	768	856	832	74	95	138	182	222	321	377	23	20
2.0	900	720	270	950	676	990	768	856	832	74	95	138	182	222	321	377	23	20
2.3	900	720	270	950	676	990	768	856	832	74	95	138	182	222	321	377	23	20
2.5	900	720	270	950	676	990	768	856	832	74	95	138	182	222	321	377	23	20
3.0	1100	800	300	1150	756	1190	848	1047	1036	74	72	195	150	190	345	401	22	25
3.3	1100	800	300	1150	756	1190	848	1047	1036	74	72	195	150	190	345	401	22	25
4.0	1100	800	300	1150	756	1190	848	1047	1036	74	72	195	150	190	345	401	22	25
5.0	1400	800	300	1450	756	1490	848	1347	1336	74	72	195	150	190	345	401	22	25
6.0	1400	800	300	1450	756	1490	848	1347	1336	74	72	195	150	190	345	401	22	25

2. Dimensional Data

■ In-the-Ceiling Type

Models: RPIL-0.8~6.0HNAUN1Q

Unit: mm

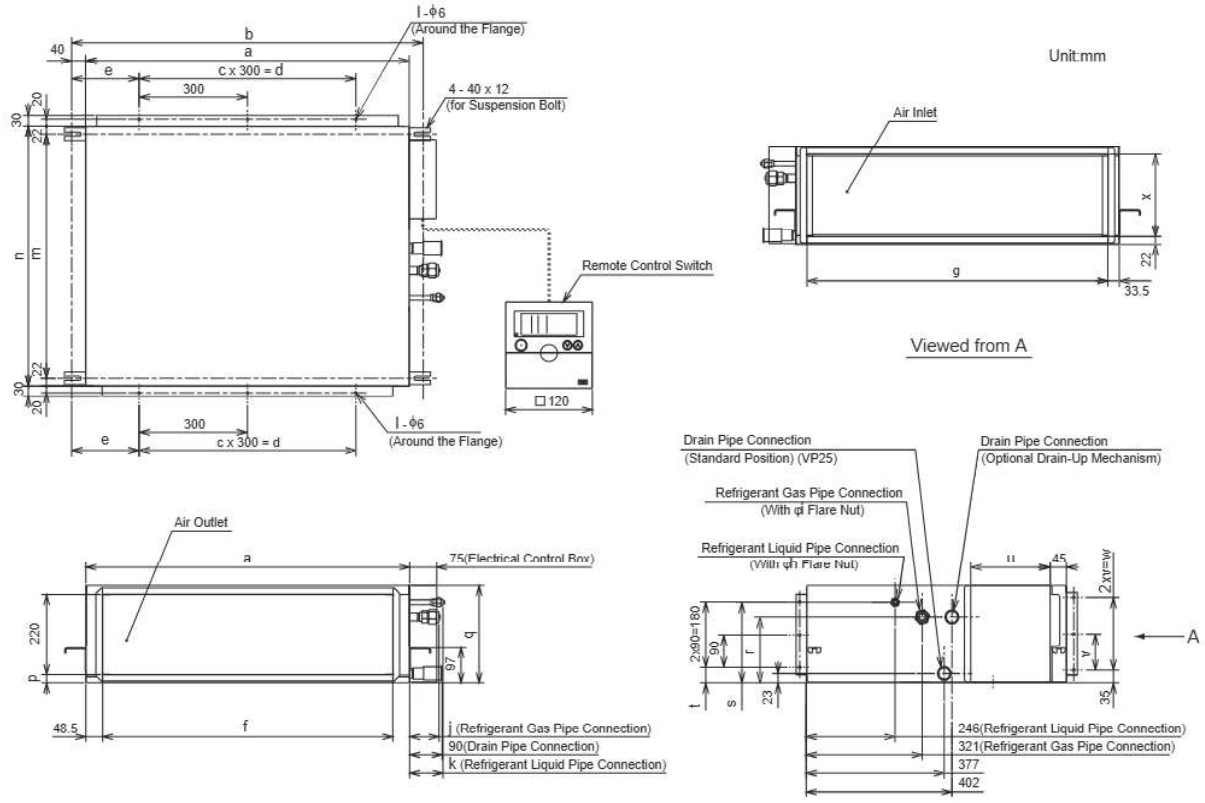


Unit: mm

Dimension / Model	a	b	c	d	e	f	g	h	i	j	k	l	m	n	p	q	r	s
0.8	650	720	270	700	676	740	768	606	582	74	95	138	182	222	321	377	23	20
1.0	650	720	270	700	676	740	768	606	582	74	95	138	182	222	321	377	23	20
1.3	650	720	270	700	676	740	768	606	582	74	95	138	182	222	321	377	23	20
1.5	650	720	270	700	676	740	768	606	582	74	95	138	182	222	321	377	23	20
1.8	900	720	270	950	676	990	768	856	832	74	95	138	182	222	321	377	23	20
2.0	900	720	270	950	676	990	768	856	832	74	95	138	182	222	321	377	23	20
2.3	900	720	270	950	676	990	768	856	832	74	95	138	182	222	321	377	23	20
2.5	900	720	270	950	676	990	768	856	832	74	95	138	182	222	321	377	23	20
3.0	1100	800	300	1150	756	1190	848	1047	1036	74	72	195	150	190	345	401	22	25
3.3	1100	800	300	1150	756	1190	848	1047	1036	74	72	195	150	190	345	401	22	25
4.0	1100	800	300	1150	756	1190	848	1047	1036	74	72	195	150	190	345	401	22	25
5.0	1400	800	300	1450	756	1490	848	1347	1336	74	72	195	150	190	345	401	22	25
6.0	1400	800	300	1450	756	1490	848	1347	1336	74	72	195	150	190	345	401	22	25

■ In-the-Ceiling Type

Models: RPI- 0.8~6.0FSNQH



Unit:mm

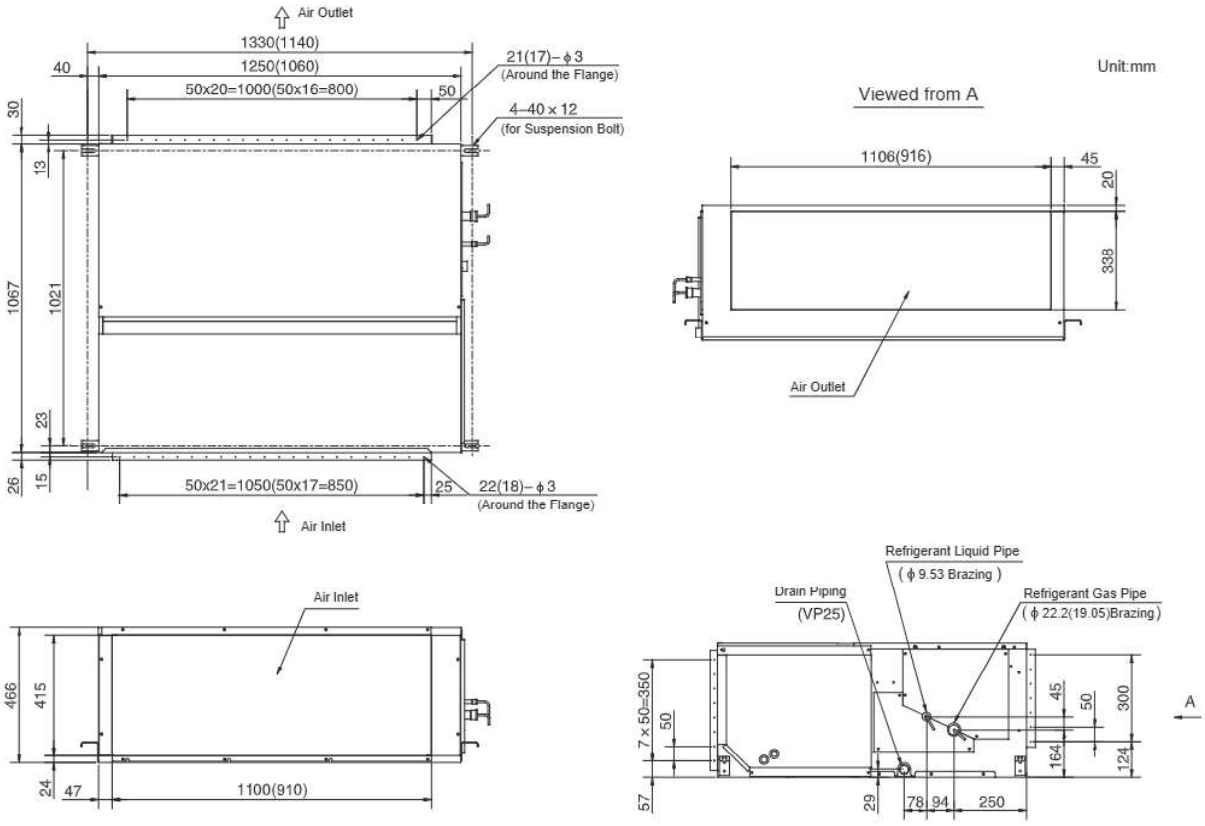
Model \ Dimension	a	b	c	d	e	f	g	h	i	j	k	l
0.8~1.5HP	650	730	1	300	215	553	583	6.35	12.7	70	92	10
1.8/2.0HP	900	980	2	600	190	803	833	6.35	15.88	77	92	12
2.3/2.5HP	900	980	2	600	190	803	833	9.53	15.88	77	95	12
3.0/3.3HP	900	980	2	600	190	803	833	9.53	15.88	78	95	12
4.0HP	900	980	2	600	190	803	833	9.53	15.88	81	95	12
5.0/6.0HP	1300	1380	3	900	240	1203	1233	9.53	15.88	81	95	14

Model \ Dimension	m	n	p	q	r	s	t	u	v	w	x
0.8~2.5HP	676	720	23	270	182	222	43	220	100	200	226
3.0~6.0HP	756	800	103	350	204	244	123	300	140	280	306

■ In-the Ceiling Type

Models: RPI-8.0FSN(3)Q ， RPI-10.0FSN(3)Q，RPI-8.0FSNQH, RPI-10.0FSNQH

RPIH-8.0HNDUSQ，RPIH-10.0HNDUSQ



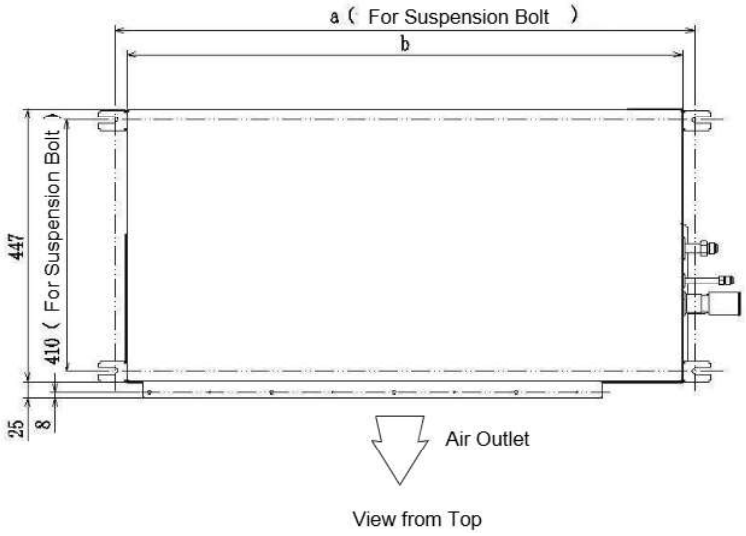
NOTES: Data in the bracket is for RPI-8.0FSN(3)Q.

Data of RPI-8.0FSNQH, RPI-10.0FSNQH, RPI-10.0FSN(3)Q, RPIH-8.0HNDUSQ and RPIH-10.0HNDUSQ are the same.

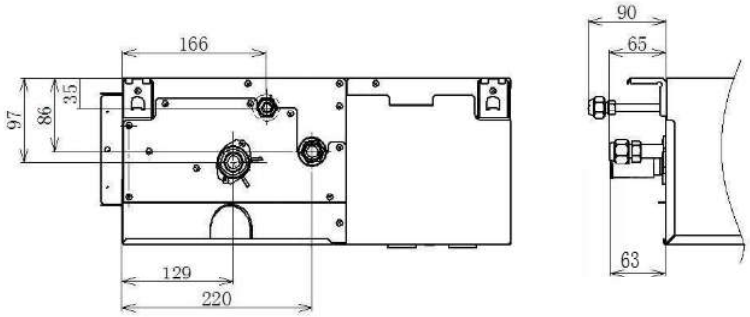
■ Low-Height in-the Ceiling Type

Models: RPIZ-0.8~2.5HNATN1Q/HNDTS1Q

Unit: mm



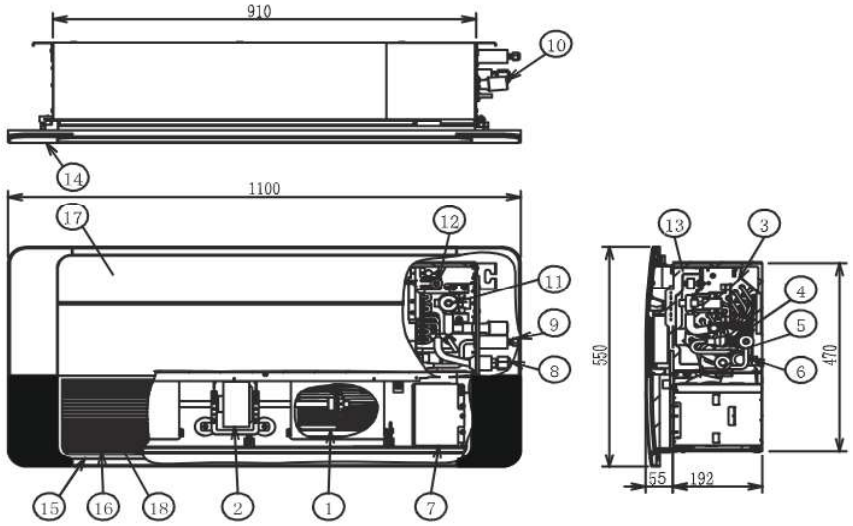
Model \ Dimension	a	b
RPIZ-0.8~1.3HNATN1Q/HNDTS1Q	740	700
RPIZ-1.5HNATN1Q/HNDTS1Q	950	910
RPIZ-1.8~2.5HNATN1Q/HNDTS1Q	1220	1180



■ 1-Way Cassette Type

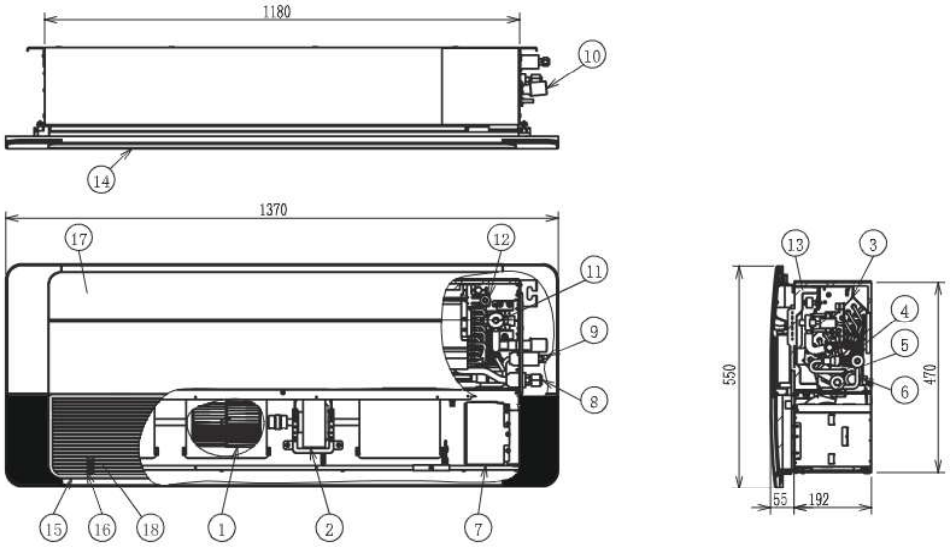
Models：RCIS-1.0~1.6FSKDNQ

Unit:mm



Models：RCIS-2.0~2.5FSKDNQ

Unit:mm

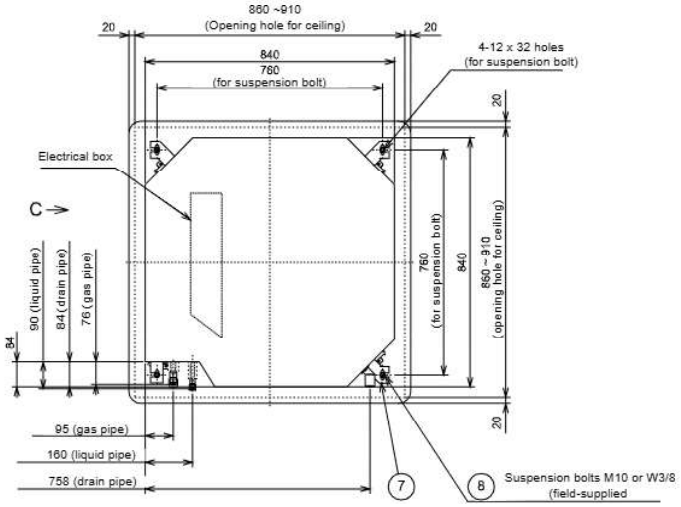


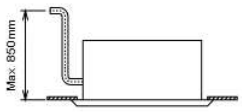
No.	Name	Remark
1	Turbo Fan	
2	Motor	
3	Heat Exchanger	
4	Splitter	
5	Filter	
6	Micro-Computer Control Expansion Valve	
7	Power Source	
8	Refrigerant Gas Pipe Connection	with ϕa Flare Nut
9	Refrigerant Liquid Pipe Connection	with ϕb Flare Nut
10	Drain Pipe Connection	VP25
11	Pump	
12	Float SW	
13	Water Connecting Plate	
14	Panel P-N45SNKQA with Model 1.0~1.6 P-N71SNKQA with Model2.0~2.5	Optional
15	Air Inlet Grille	
16	Air Filter	
17	Air Outlet	
18	Air Inlet	

Model	a	b
1.0	12.7	6.35
1.3	12.7	6.35
1.6	12.7	6.35
2.0	15.88	6.35
2.5	15.88	9.53

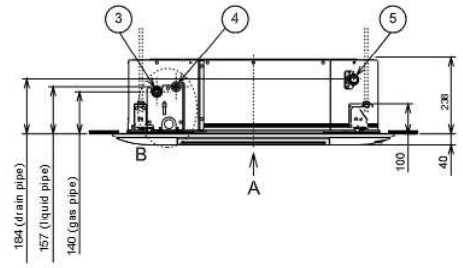
■ 4-Way Cassette Type
Model: RCI-1.0~2.5FSKDN1Q

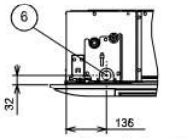
Unit:mm



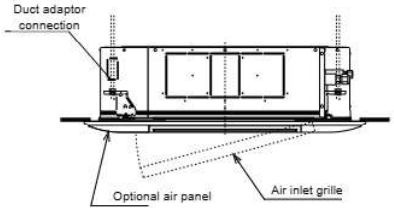


Lifting drain piping

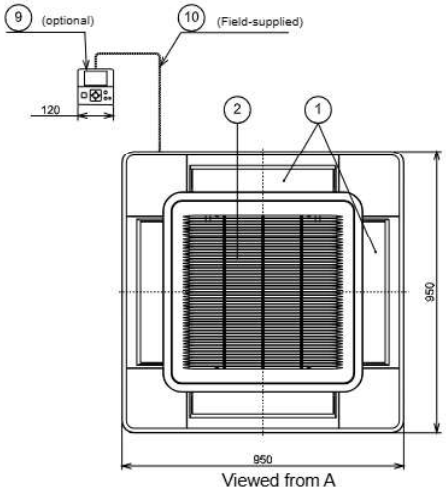




Viewed from B



Viewed from C



Viewed from A

Nº	Description	Remarks
1	Air outlet	4-way
2	Air inlet	
3	Refrigerant connection (gas)	Flare nut. (1.0/1.5): ø12.7, (2.0/2.5):ø15,88
4	Refrigerant connection (liquid)	Flare nut. (1.0/1.5/2.5): ø6.35, (2.5):ø9.52
5	Drain connection	ø32 (VP25)
6	Wiring hole	Die cut hole ø30
7	Unit suspension bracket	(4x) M10 or W3/8
8	Unit suspension bolt	(4x) M10 or W3/8
9	Remote Control Switch	Optional (recommended PC-ARF1)
10	Shielded Twist-Pair Cable	For Remote Control Switch

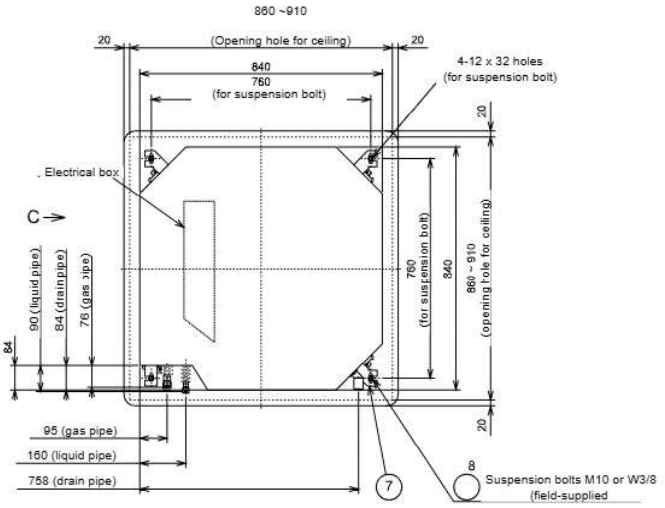
NOTE

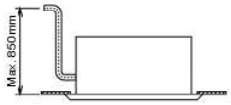
Distance between the wall and panel edge must be min. 1500mm to prevent short circuiting of the air flow.

■ 4-Way Cassette Type

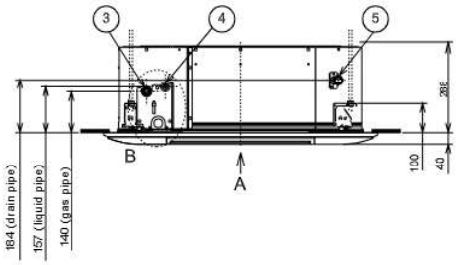
Unit:mm

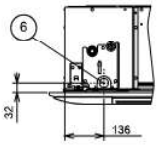
Model: RCI-3.0~6.0FSKDN1Q



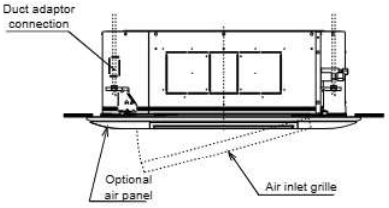


Lifting drain piping

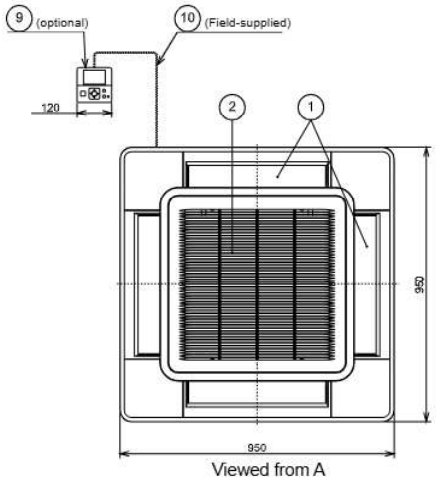




Viewed from B



Viewed from C



Viewed from A

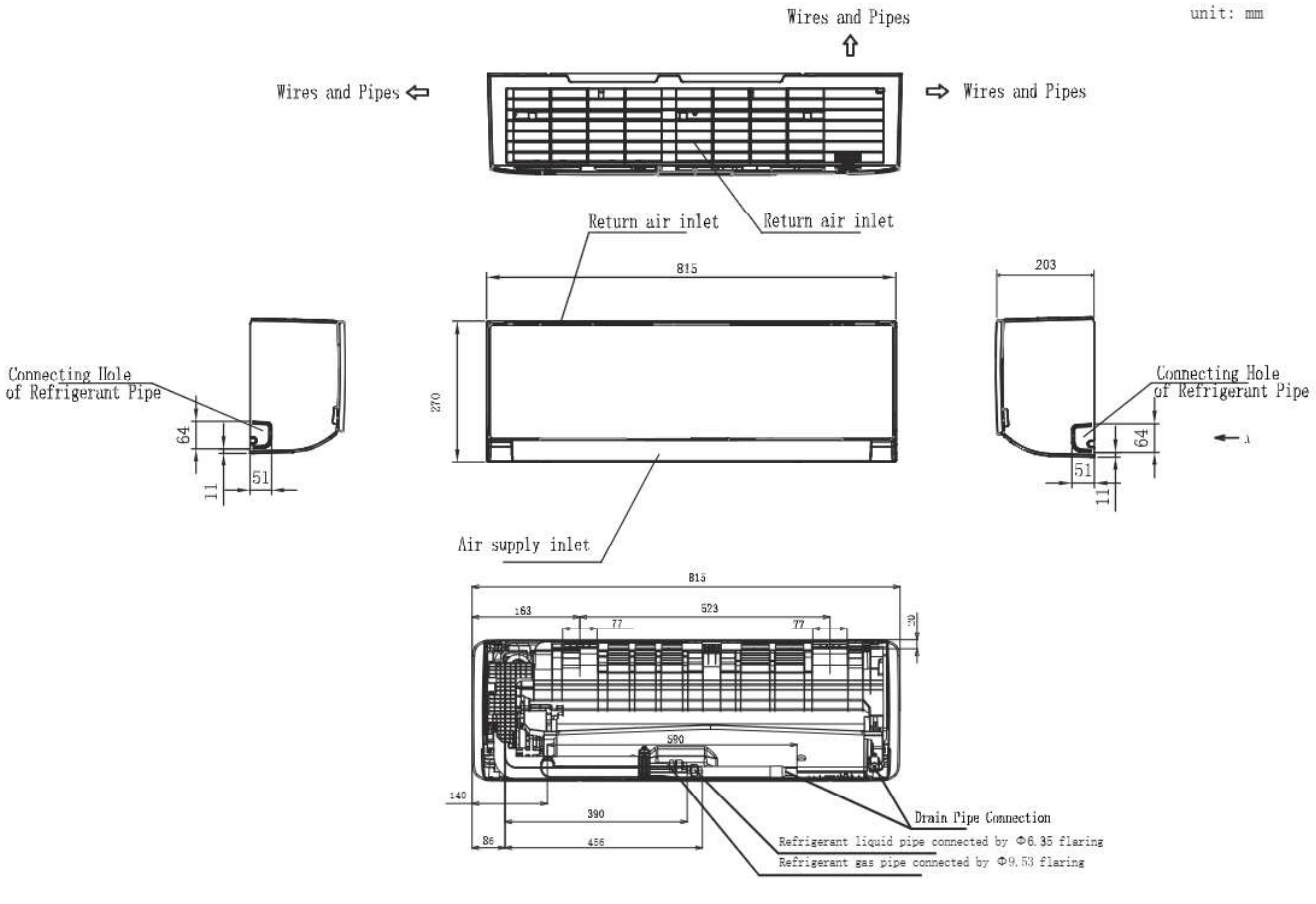
N°	Description	Remarks
1	Air outlet	4-way
2	Air inlet	
3	Refrigerant connection (gas)	Flare nut. ø15,88
4	Refrigerant connection (liquid)	Flare nut. ø9.52
5	Drain connection	ø32 (VP25)
6	Wiring hole	Die cut hole. ø30
7	Unit suspension bracket	(4x) M10 or W3/8
8	Unit suspension bolt	(4x) M10 or W3/8
9	Remote Control Switch	Optional (recommended PC-ARF1)
10	Shielded Twist-Pair Cable	For Remote Control Switch

NOTE

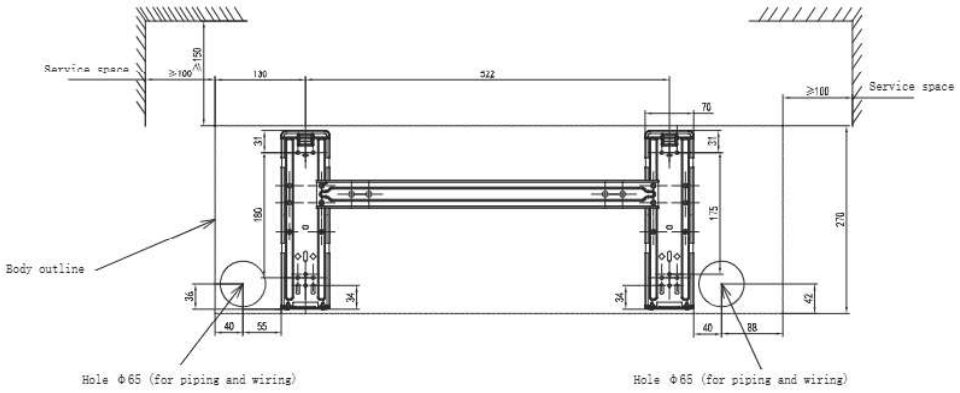
Distance between the wall and panel edge must be min. 1500mm to prevent short circuiting of the air flow.

■ Wall Type

Models: RPK-0.8~1.3HNBUSQ



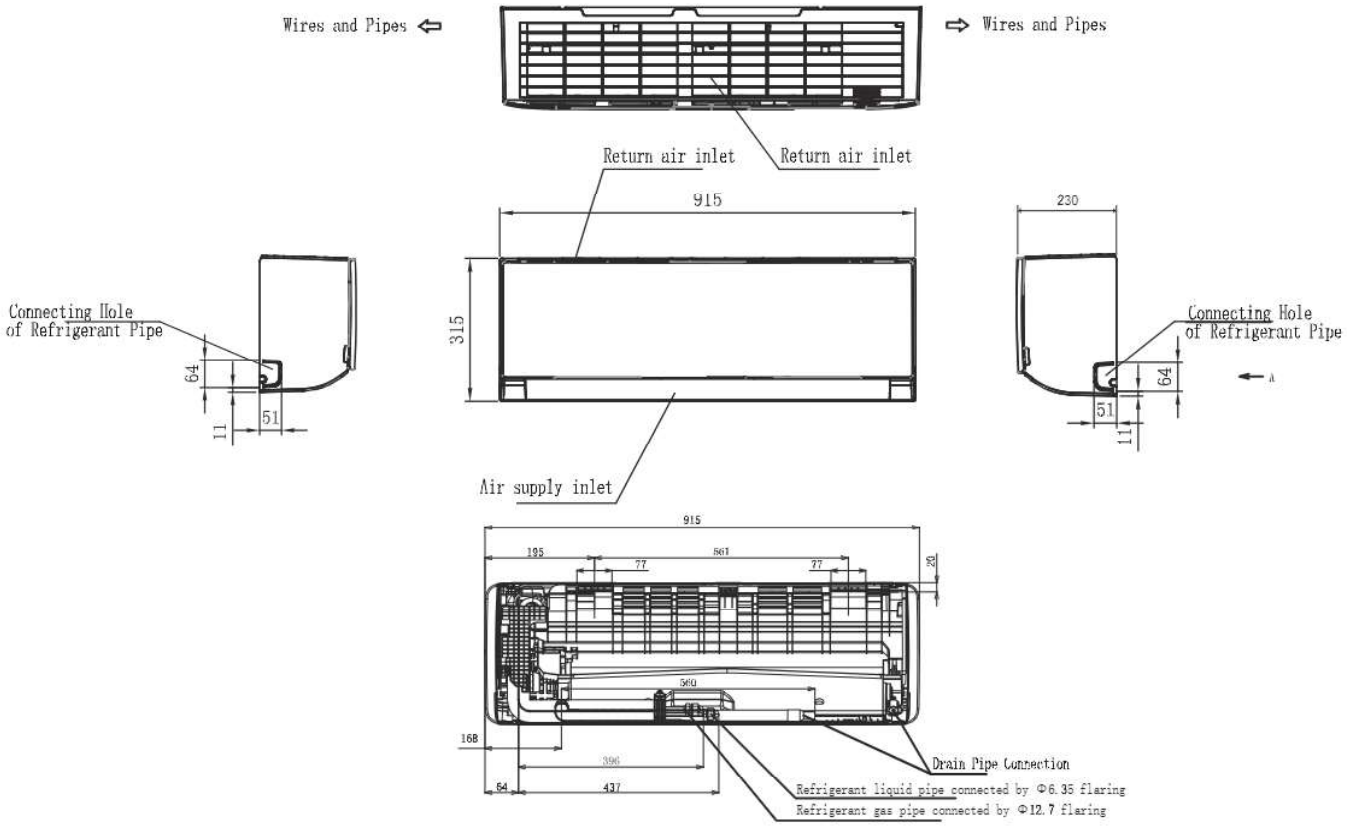
Side A



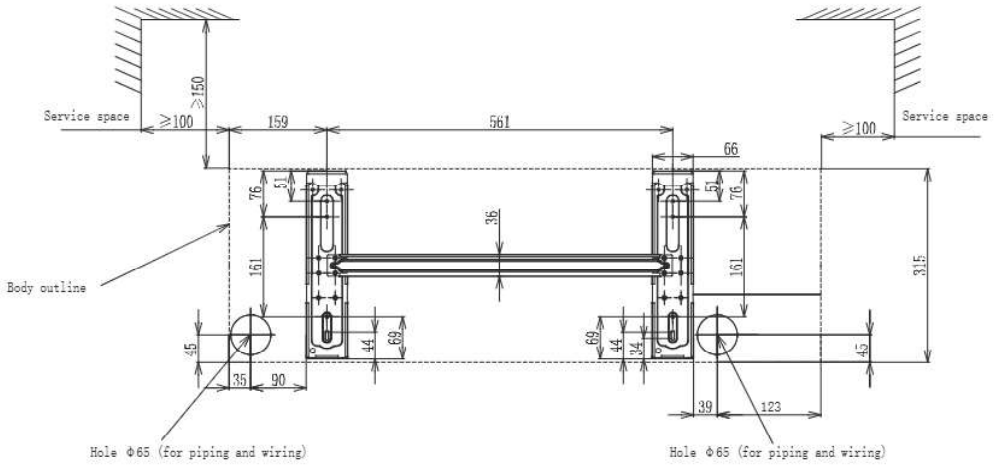
■ Wall Type

Models: RPK-1.5~1.8HNBUSQ

unit: mm



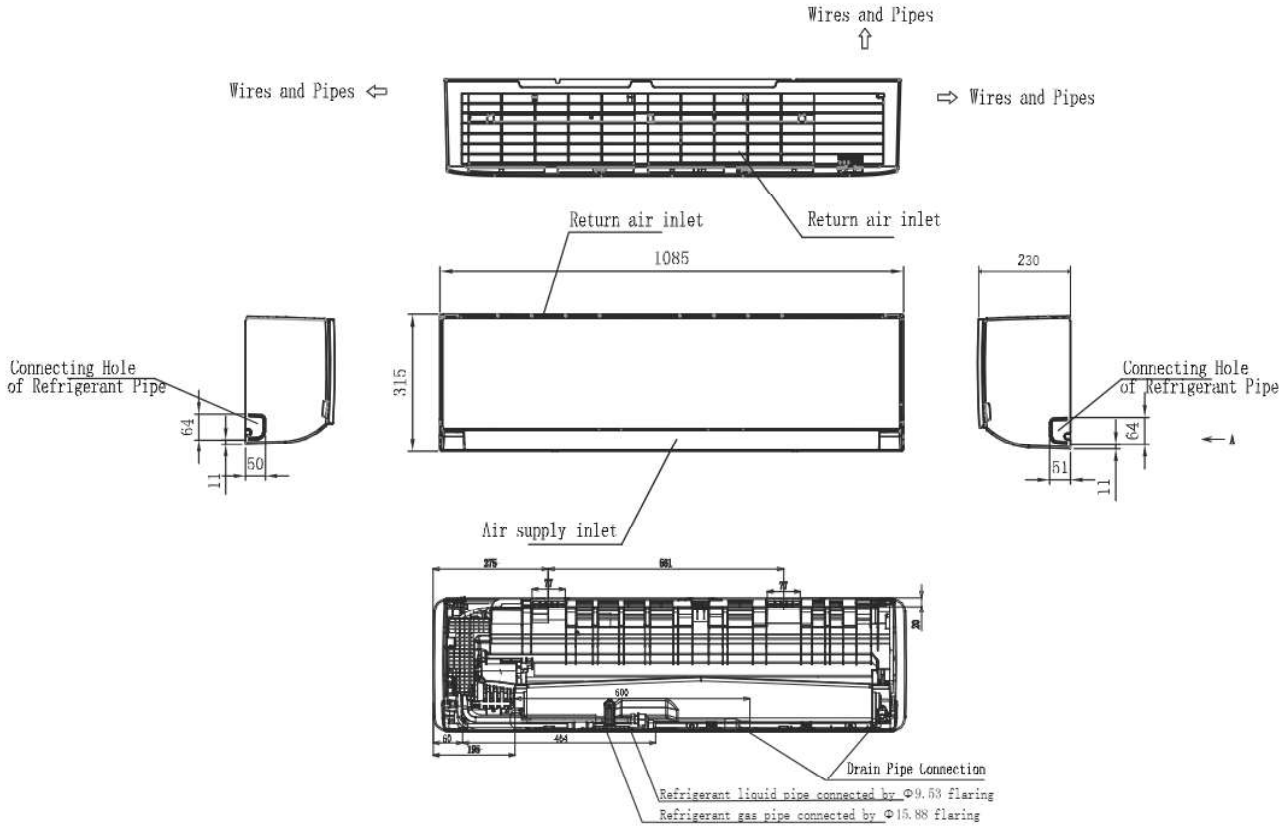
Side A



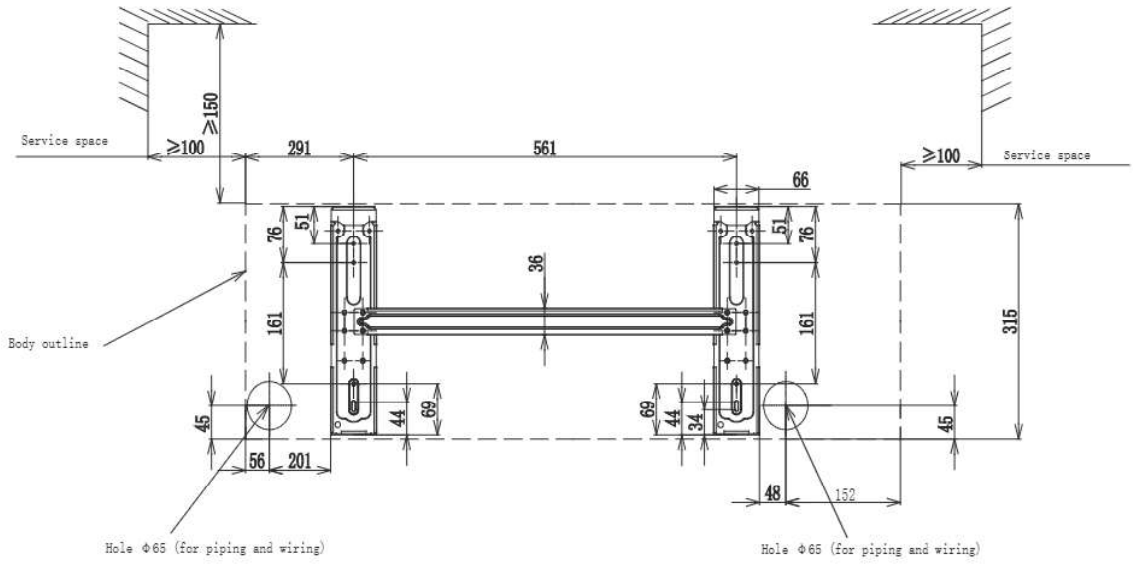
■ Wall Type

Models: RPK-2.0~2.5HNBUSQ

unit: mm



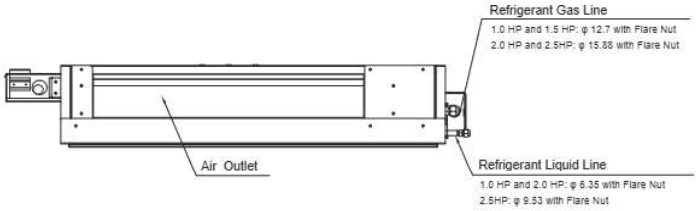
Side A

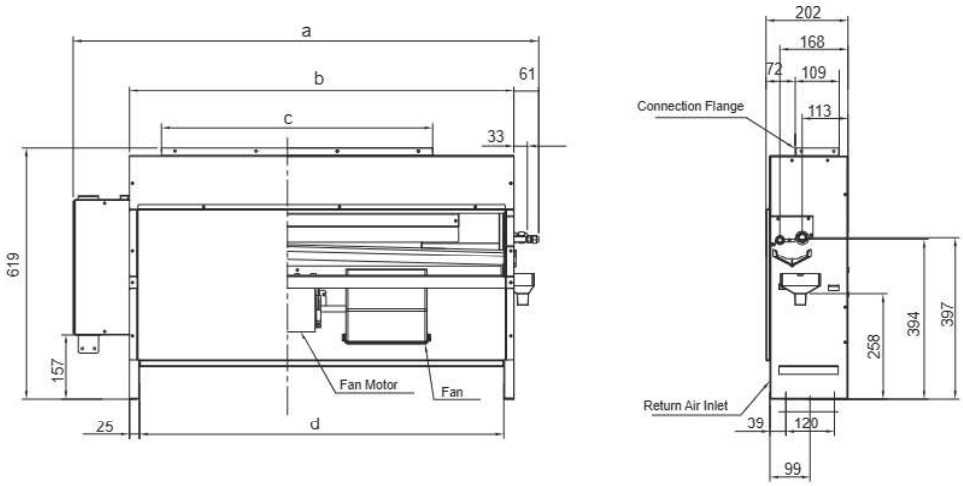


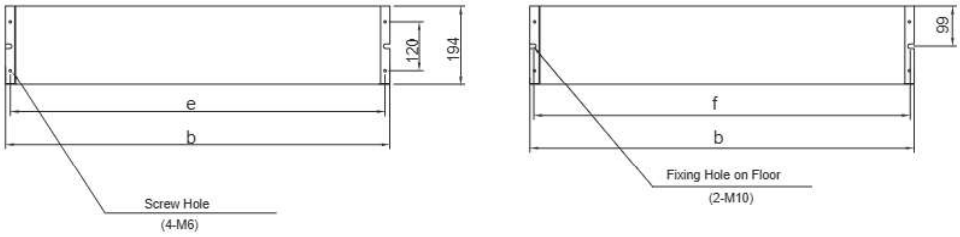
■ Floor Concealed Type

Models: RPFI-1.0~2.5FSNQ

Unit:mm







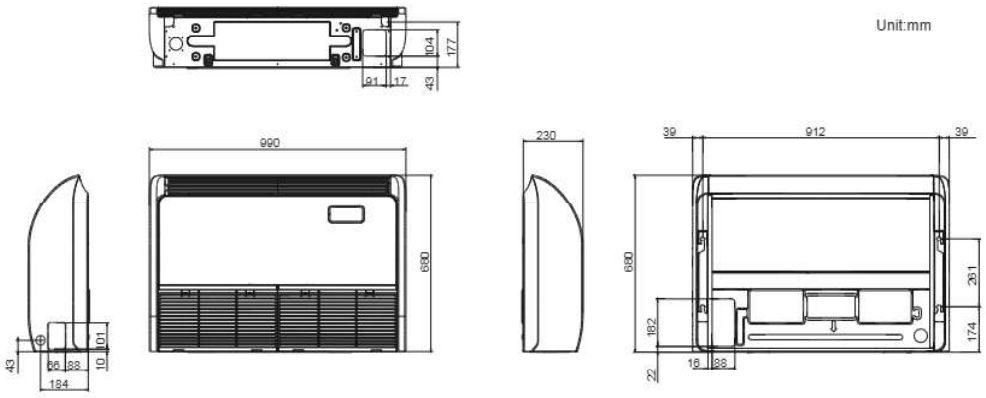
Unit ： mm

Model \ Dimension	a	b	c	d	e	f
RPFI-1.0FSNQ	1154	948	669	898	924	928
RPFI-1.5FSNQ	1154	948	669	898	924	928
RPFI-2.0FSNQ	1424	1218	939	1168	1194	1198
RPFI-2.5FSNQ	1424	1218	939	1168	1194	1198

■ Ceiling & Floor Type

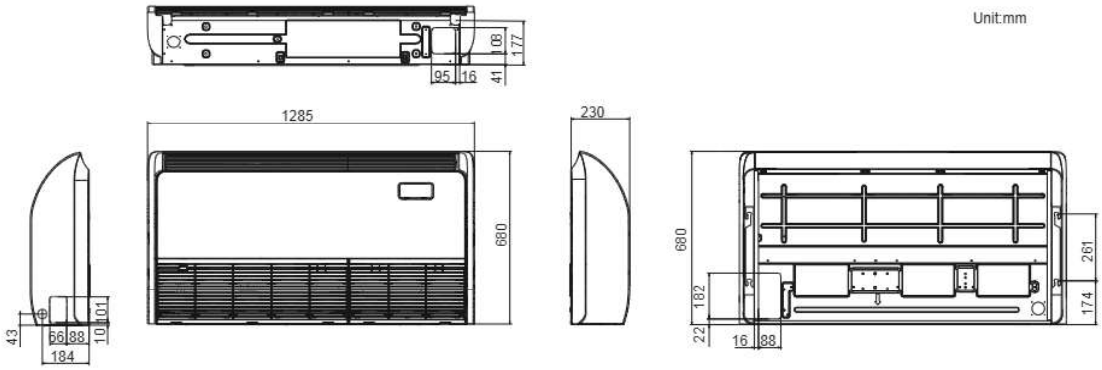
Models: RPFC-1.8~2.5FSNQ

Unit:mm



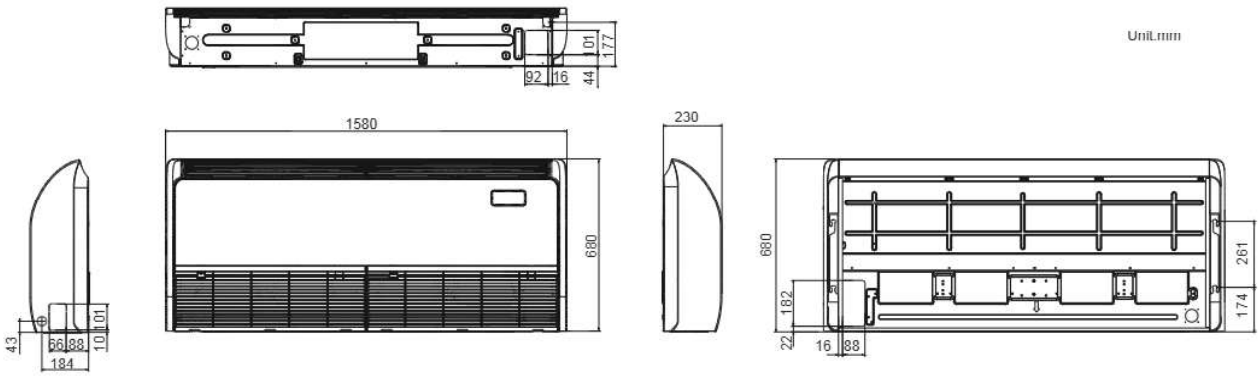
Models: RPFC-3.0~4.0FSNQ

Unit:mm



Models: RPFC-5.0FSNQ

Unit:mm



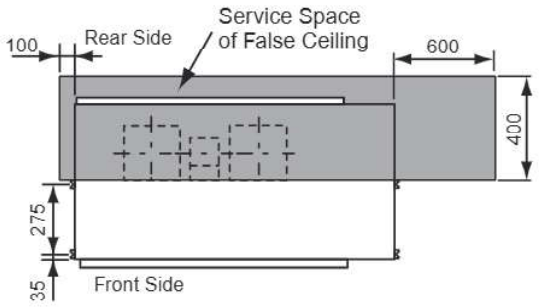
3. Selection Data

3.1 Operation Space

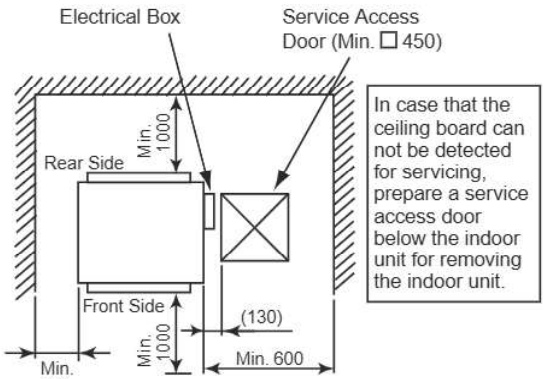
■ In-the-Ceiling Type

Models: RPIL-0.8~6.0HNAUN1Q, RPIM-0.8~2.5HNAUN1Q, RPIH-3.0~6.0HNAUN1Q
RPIM-0.8~2.5HNAUB1Q, RPIH-3.0~6.0HNAUB1Q

Unit: mm

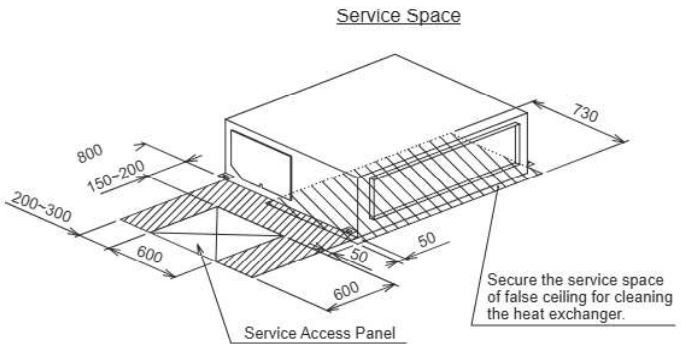


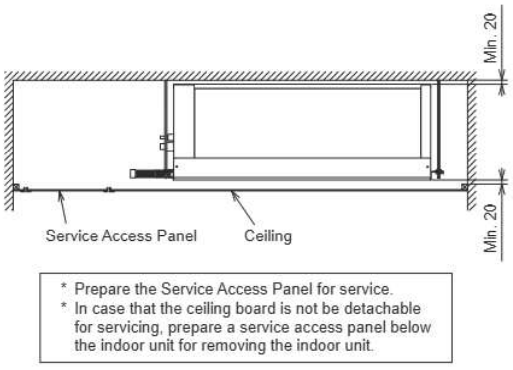
View from Bottom



View from Top

Models: RPI-8.0/10.0FSN(3)Q, RPIH-8.0HNDUSQ, RPIH-10.0HNDUSQ

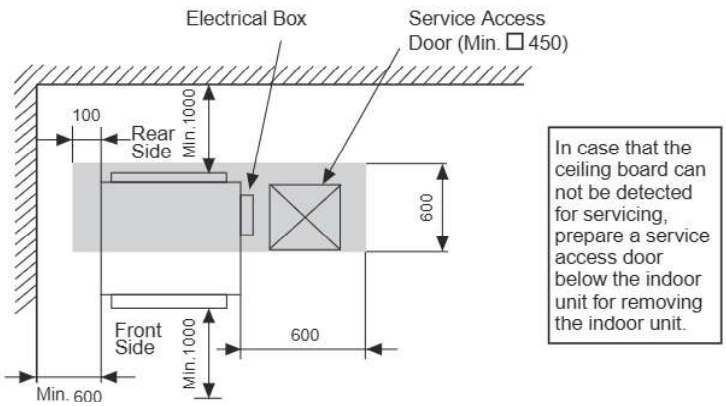




■ Low-Height In-the-Ceiling Type

Models: RPIZ-0.8~2.5HNATN1Q/HNDTS1Q

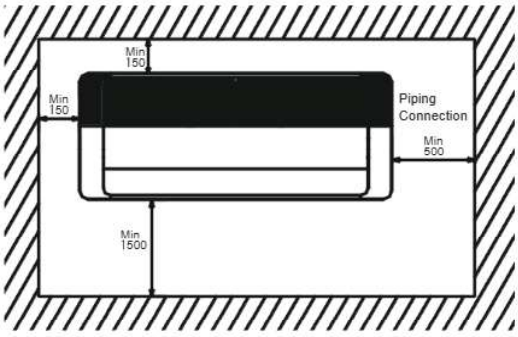
Unit: mm



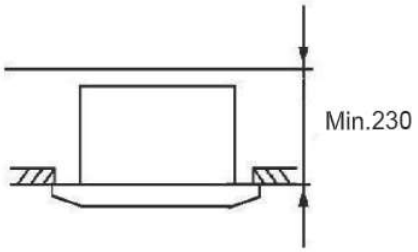
View from Top

■ **1-Way Cassette Type**
Models: RCIS-1.0~2.5FSKDNQ

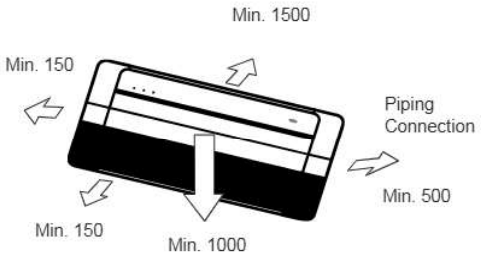
Unit:mm



Distance to Wall



Unit Hight in False Celling

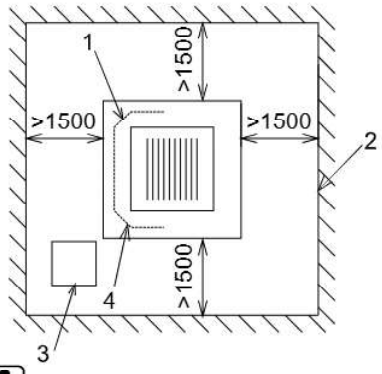


Service Space

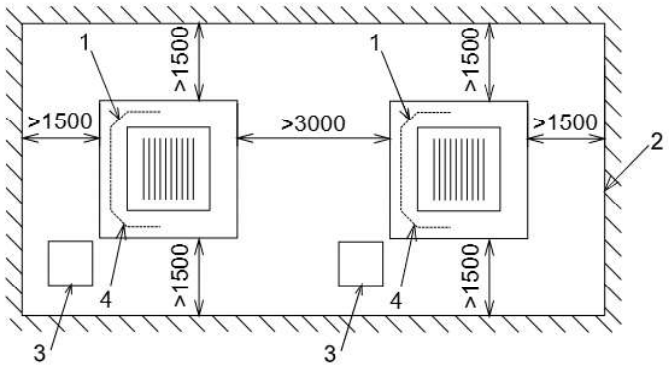
■ 4-Way Cassette Type
Models: RCI-1.0~6.0FSKDN1Q

Unit:mm

Single installation



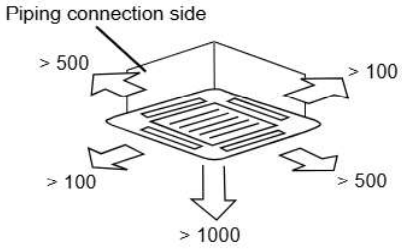
Combined installation

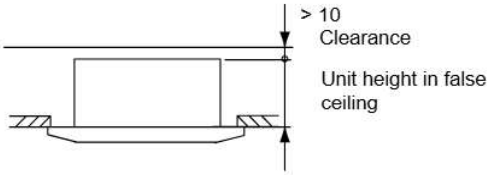


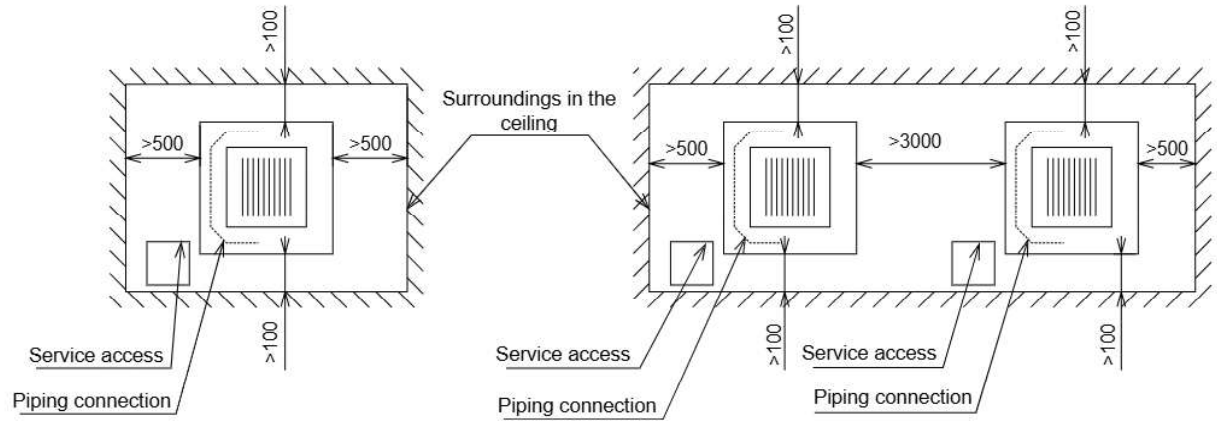
NOTE

- *1. Drain piping connection.*
- *2. Walls close to the unit.*
- *3. Service access door for unit inspection and maintenance access.*
- *4. Piping connection.*

◆ Service space







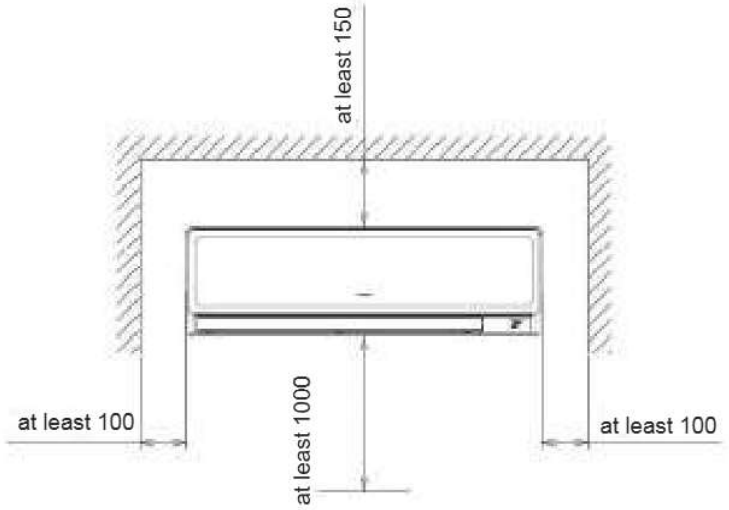
NOTE

All measurements are in mm.

■ Wall Type

Unit: mm

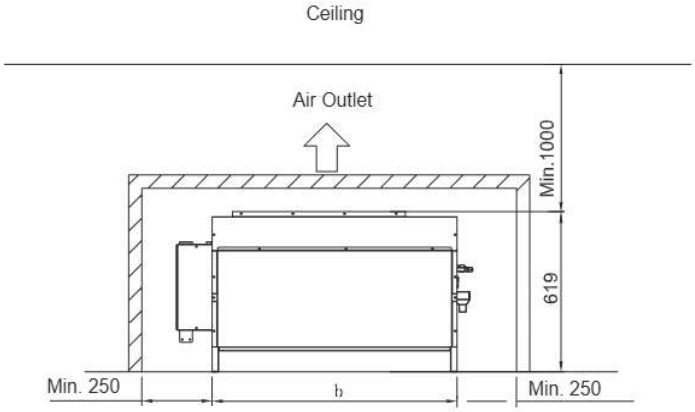
Models: RPK-0.8~2.5HNBUSQ



Operation and Maintenance Space

■ Floor Concealed Type

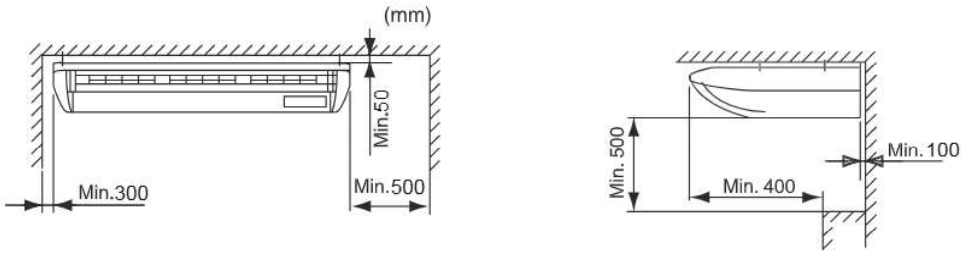
Models: RPFI-1.0~2.5FSNQ



Model \ Dimension	b
RPFI-1.0FSNQ	948
RPFI-1.5FSNQ	948
RPFI-2.0FSNQ	1218
RPFI-2.5FSNQ	1218

■ Ceiling & Floor Type

Models: RPFC-1.8~5.0FSNQ



3.2 Selection Guide

(1) Tips for selection

Select the indoor units and outdoor unit so as the total indoor horsepower is near to the outdoor horsepower.

(2) Nominal Capacity of Indoor Units

Horsepower(HP) / Capacity		0.8	1.0	1.3	1.5	1.6	1.8	2.0	2.3	2.5
Cooling Capacity	kW	2.2	2.8	3.6	4.3	4.5	5.0	5.6	6.3	7.1
	kcal/h	1,900	2,400	3,100	3,700	3,900	4,300	4,800	5,400	6,100
	Btu/h	7,500	9,600	12,300	14,700	15,400	17,100	19,100	21,500	24,200
Heating Capacity	kW	2.8	3.3	4.2	4.9	5.0	5.6	6.5	7.5	8.5
	kcal/h	2,400	2,800	3,600	4,200	4,300	4,800	5,600	6,500	7,300
	Btu/h	9,600	11,300	14,300	16,700	17,100	19,100	22,200	25,600	29,000

Horsepower(HP) / Capacity		3.0	3.3	4.0	5.0	6.0	8.0	10.0
Cooling Capacity	kW	8.4	9.0	11.2	14.2	16.0	22.4	28.0
	kcal/h	7,200	7,700	9,600	12,200	13,800	19,300	24,100
	Btu/h	28,700	30,700	38,200	48,500	54,600	76,500	95,600
Heating Capacity	kW	9.6	10.0	13.0	16.3	18.0	25.0	31.5
	kcal/h	8,300	8,600	11,200	14,000	15,500	21,500	27,100
	Btu/h	32,800	34,100	44,400	55,600	61,400	85,300	107,500

(3) Selecting Matching Indoor Units and Nominal Capacity

Select In-the-Ceiling Type Indoor Units (Example)

Item		Room (1)	Room (2)	Room (3)	(1)+(2)+(3)	Outdoor Unit
Selected Model		RPIL-1.5*	RPIL-2.0*	RPIL-2.5*	-	RAS-5FSVN1Q
Nominal Cooling Capacity	kW	4.3	5.6	7.1	17.0	14.0
	kcal/h	3,700	4,800	6,100	14,600	12,000
Nominal Heating Capacity	kW	4.9	6.5	8.5	19.9	16.0
	kcal/h	4,200	5,600	7,300	17,100	13,800

(4) Actual Capacity

In the case of the example, the total indoor horsepower is 6.0HP (=1.5HP+2.0HP+2.5HP). Therefore, the outdoor unit capacity at the nominal temperature which is selected from the "Capacity Characteristic Curve" is 14.3kW (12,300kcal/h) at the cooling operation, 18.0kW (15,480kcal/h) at the heating operation under nominal conditions.

1. Actual Capacity of Outdoor Unit

Maximum Actual Capacity of Outdoor Unit

= [Outdoor Unit Capacity at Nominal Temperature
×Correction Factor According to Total Indoor Unit Capacity]
×Correction Factor According to Piping Length and Lift
×Correction Factor According to Temperature Condition

Refer to the Correction Factor in Technical Catalog of outdoor unit

<Example>.

Cooling: [14.3kW (12,300kcal/h)] × 0.85 × 1.02 = 12.40kW (10,665kcal/h)

Heating: [18.0kW (15,480kcal/h)] × 0.92 × 0.94 = 15.57kW (13,390kcal/h)

2. Actual Capacity of Each Indoor Unit

Actual Capacity of Each Indoor Unit

= Actual Capacity of Outdoor Unit
×[Each Indoor Unit's Horsepower
÷ Summation of Each Indoor Unit Horsepower]

ex.

<RPI-1.5FSNQL>

Cooling Capacity: 12.40×(1.5[HP]÷(1.5[HP]+2.0[HP]+2.5[HP])=3.10kW (2,665kcal/h)

Heating Capacity: 15.57×(1.5[HP]÷(1.5[HP]+2.0[HP]+2.5[HP])=3.89kW (3,345kcal/h)

<RPI-2.0FSNQL>

Cooling Capacity: 12.40×(2.0[HP]÷(1.5[HP]+2.0[HP]+2.5[HP])=4.13kW (3,550kcal/h)

Heating Capacity: 15.57×(2.0[HP]÷(1.5[HP]+2.0[HP]+2.5[HP])=5.19kW (4,465kcal/h)

<RPI-2.5FSNQL>

Cooling Capacity: 12.40×(2.5[HP]÷(1.5[HP]+2.0[HP]+2.5[HP])=5.17kW (4,445kcal/h)

Heating Capacity: 15.57×(2.5[HP]÷(1.5[HP]+2.0[HP]+2.5[HP])=6.49kW (5,580kcal/h)

< Result >

Item			Room (1)	Room (2)	Room (3)	(1)+(2)+(3)
Selected Model			RPIL-1.0*	RPIL-2.0*	RPIL-2.5*	-
Actual Capacity	Actual Maximum Cooling Capacity	kW	3.10	4.13	5.17	12.40
		kcal/h	2,665	3,550	4,445	10,660
	Actual Maximum Heating Capacity	kW	3.89	5.19	6.49	15.57
		kcal/h	3,345	4,465	5,580	13,390
Design Load	Estimated Cooling Load	kW	3.04	4.14	5.25	12.43
		kcal/h	2,615	3,560	4,515	10,690
	Estimated Heating Load	kW	3.27	4.67	5.90	13.84
		kcal/h	2,810	4,015	5,075	11,900

3.3 Sensible Heat Factor (SHF)

The sensible heat factor of indoor units at each fan speed based on the JIS Standard B8616, is given in the below.

Indoor Unit Model	SHF		
	Hi	Me	Lo
RPIL-0.8HNAUN1Q	0.75	0.71	0.68
RPIL-1.0HNAUN1Q	0.75	0.71	0.68
RPIL-1.3HNAUN1Q	0.75	0.71	0.68
RPIL-1.5HNAUN1Q	0.75	0.71	0.68
RPIL-1.8HNAUN1Q	0.74	0.70	0.67
RPIL-2.0HNAUN1Q	0.74	0.70	0.67
RPIL-2.3HNAUN1Q	0.74	0.70	0.67
RPIL-2.5HNAUN1Q	0.74	0.70	0.67
RPIL-3.0HNAUN1Q	0.73	0.69	0.65
RPIL-3.3HNAUN1Q	0.73	0.69	0.65
RPIL-4.0HNAUN1Q	0.73	0.69	0.65
RPIL-5.0HNAUN1Q	0.73	0.69	0.65
RPIL-6.0HNAUN1Q	0.73	0.69	0.65
RPIM-0.8HNAUN/B1Q	0.75	0.71	0.68
RPIM-1.0HNAUN/B1Q	0.75	0.71	0.68
RPIM-1.3HNAUN/B1Q	0.75	0.71	0.68
RPIM-1.5HNAUN/B1Q	0.75	0.71	0.68
RPIM-1.8HNAUN/B1Q	0.74	0.70	0.67
RPIM-2.0HNAUN/B1Q	0.74	0.70	0.67
RPIM-2.3HNAUN/B1Q	0.74	0.70	0.67
RPIM-2.5HNAUN/B1Q	0.74	0.70	0.67
RPIH-3.0HNAUN/B1Q	0.73	0.69	0.65
RPIH-3.3HNAUN/B1Q	0.73	0.69	0.65
RPIH-4.0HNAUN/B1Q	0.73	0.69	0.65
RPIH-5.0HNAUN/B1Q	0.73	0.69	0.65
RPIH-6.0HNAUN/B1Q	0.73	0.69	0.65
RPI-8.0FSN(3)Q	0.80	–	–
RPI-10.0FSN(3)Q	0.82	–	–
RPI-8.0FSNQH	0.80	–	–
RPI-10.0FSNQH	0.82	–	–
RPIH-8.0HNDUSQ	0.72	–	–
RPIH-10.0HNDUSQ	0.74	–	–
RPIZ-0.8HNATN1Q	0.73	0.7	0.68
RPIZ-1.0HNATN1Q	0.73	0.7	0.68
RPIZ-1.3HNATN1Q	0.73	0.7	0.68
RPIZ-1.5HNATN1Q	0.73	0.7	0.67
RPIZ-1.8HNATN1Q	0.73	0.7	0.67
RPIZ-2.0HNATN1Q	0.72	0.69	0.67
RPIZ-2.3HNATN1Q	0.72	0.69	0.68
RPIZ-2.5HNATN1Q	0.75	0.71	0.66

Indoor Unit Model	SHF					
	HHi2	HHi1	Hi	ME	Lo	Slo
RPIZ-0.8HNDTS1Q	0.73	0.71	0.7	0.69	0.69	0.68
RPIZ-1.0HNDTS1Q	0.73	0.71	0.7	0.69	0.69	0.68
RPIZ-1.3HNDTS1Q	0.73	0.71	0.7	0.69	0.69	0.68
RPIZ-1.5HNDTS1Q	0.73	0.71	0.7	0.69	0.69	0.67
RPIZ-1.8HNDTS1Q	0.73	0.71	0.7	0.69	0.69	0.67
RPIZ-2.0HNDTS1Q	0.72	0.7	0.69	0.69	0.68	0.67
RPIZ-2.3HNDTS1Q	0.72	0.7	0.69	0.69	0.68	0.68
RPIZ-2.5HNDTS1Q	0.75	0.73	0.71	0.69	0.68	0.66

Indoor Unit Model	SHF					
	Super-Hi	Hi	Me	Lo	Super-Lo	Mute
RCIS-1.0FSKDNQ	0.81	0.69	0.69	0.69	0.69	0.69
RCIS-1.3FSKDNQ	0.77	0.72	0.68	0.72	0.72	0.72
RCIS-1.6FSKDNQ	0.75	0.71	0.67	0.71	0.71	0.71
RCIS-2.0FSKDNQ	0.74	0.70	0.67	0.70	0.69	0.70
RCIS-2.5FSKDNQ	0.70	0.68	0.66	0.69	0.68	0.68

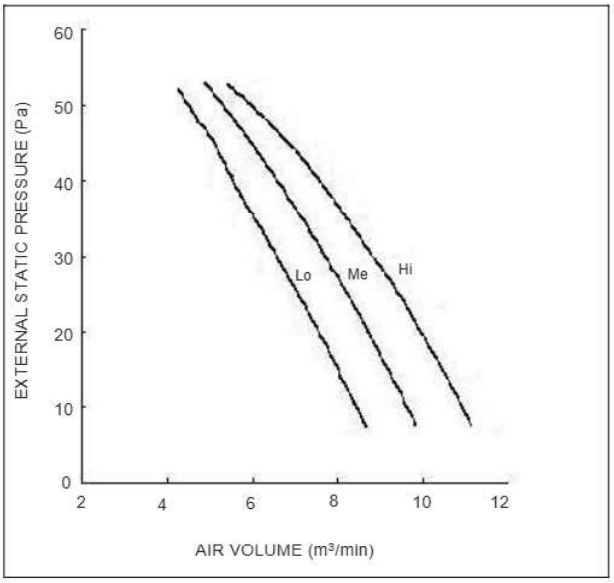
Indoor Unit Model	SHF		
	Hi	Me	Lo
RCI-1.0FSKDN1Q	0.85(0.86)*	0.81	0.80
RCI-1.5FSKDN1Q	0.83(0.89)*	0.80	0.71
RCI-2.0FSKDN1Q	0.78(0.89)*	0.71	0.67
RCI-2.3FSKDN1Q	0.81(0.87)*	0.73	0.67
RCI-2.5FSKDN1Q	0.81(0.87)*	0.73	0.67
RCI-3.0FSKDN1Q	0.76(0.81)*	0.67	0.64
RCI-4.0FSKDN1Q	0.71(0.77)*	0.68	0.65
RCI-5.0FSKDN1Q	0.69(0.72)*	0.65	0.62
RCI-6.0FSKDN1Q	0.68(0.69)*	0.64	0.61
RPFI-1.0FSNQ	0.73	0.69	0.65
RPFI-1.5FSNQ	0.73	0.69	0.65
RPFI-2.0FSNQ	0.73	0.69	0.65
RPFI-2.5FSNQ	0.73	0.69	0.65
RPFC-1.8FSNQ	0.71	0.68	0.64
RPFC-2.0FSNQ	0.71	0.68	0.64
RPFC-2.3FSNQ	0.73	0.69	0.66
RPFC-2.5FSNQ	0.73	0.69	0.66
RPFC-3.0FSNQ	0.74	0.69	0.65
RPFC-3.3FSNQ	0.76	0.71	0.68
RPFC-4.0FSNQ	0.75	0.70	0.66
RPFC-5.0FSNQ	0.76	0.72	0.69

Indoor Unit Model	SHF					
	Super-Hi	Hi	Me	Lo	Super-Lo	Mute
RPK-0.8HNBUSQ	0.70	0.69	0.69	0.68	0.67	0.66
RPK-1.0HNBUSQ	0.70	0.69	0.69	0.68	0.67	0.66
RPK-1.3HNBUSQ	0.71	0.69	0.69	0.68	0.67	0.66
RPK-1.5HNBUSQ	0.71	0.71	0.70	0.69	0.69	0.68
RPK-1.8HNBUSQ	0.73	0.72	0.72	0.71	0.69	0.68
RPK-2.0HNBUSQ	0.71	0.70	0.70	0.69	0.68	0.68
RPK-2.3HNBUSQ	0.72	0.71	0.70	0.69	0.68	0.68
RPK-2.5HNBUSQ	0.74	0.73	0.72	0.70	0.69	0.69

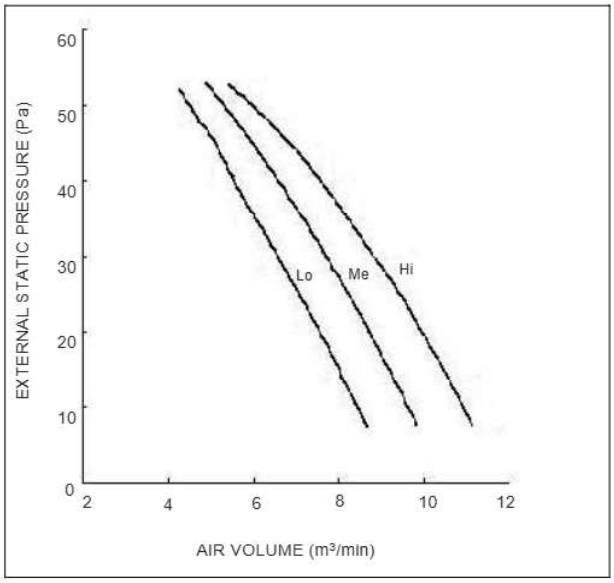
3.4 Fan Performance

In the Ceiling Type(Low Static Pressure)

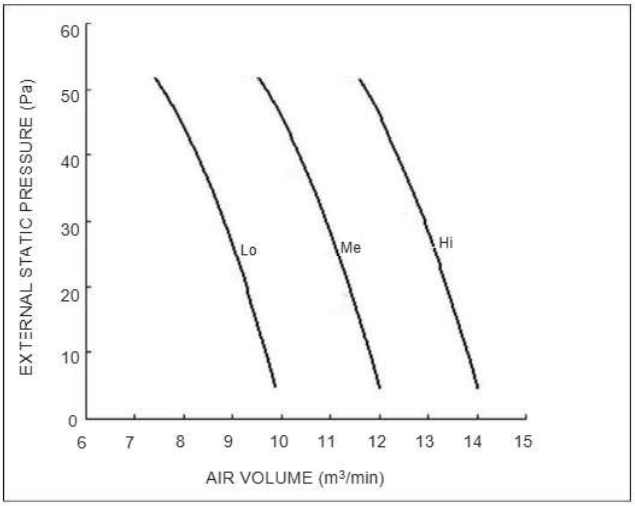
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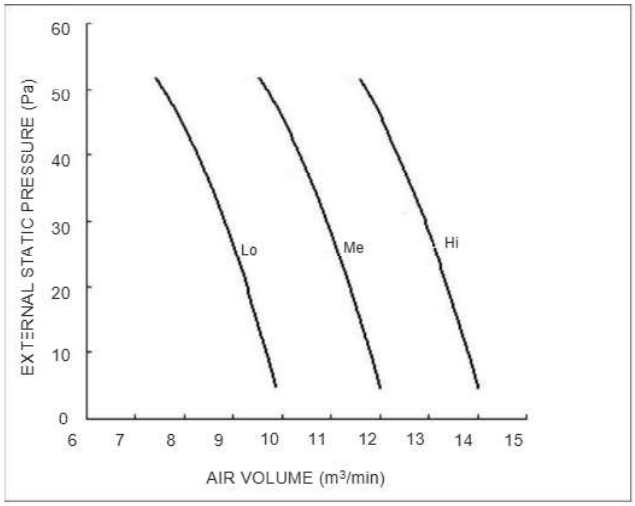
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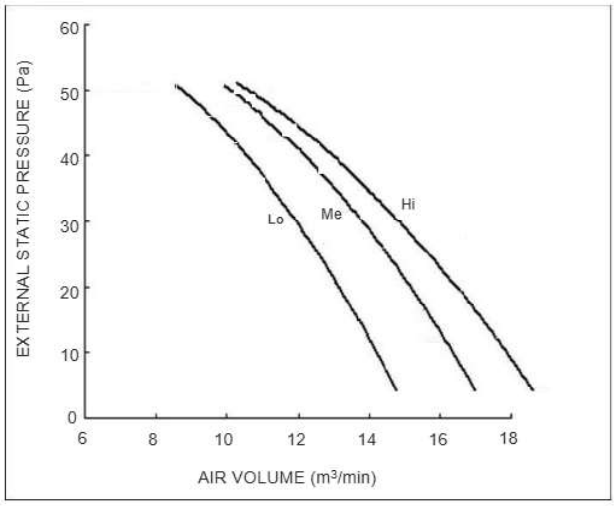
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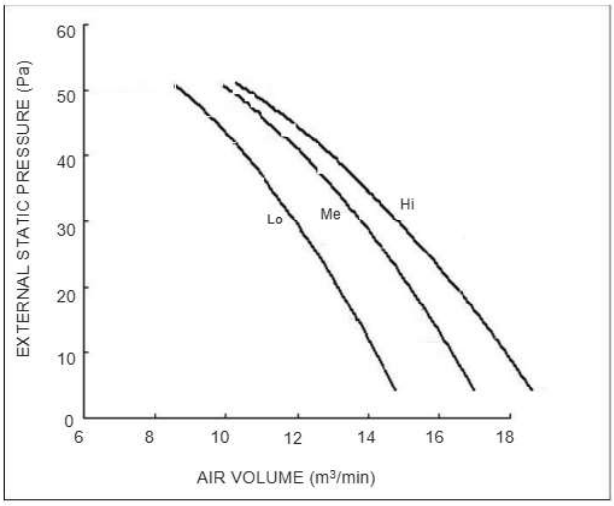
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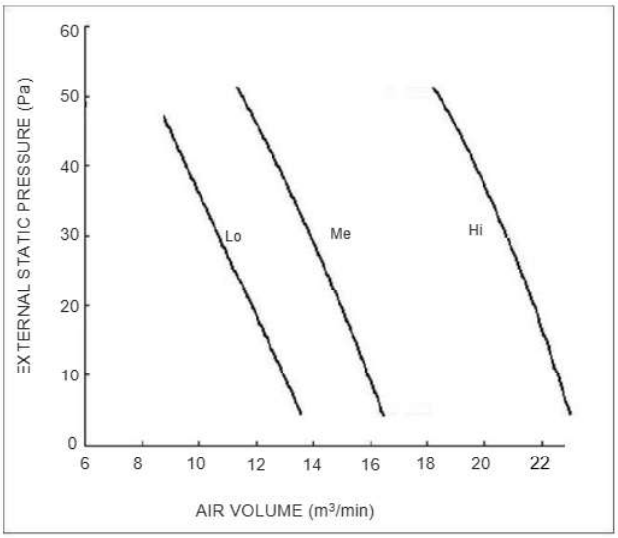
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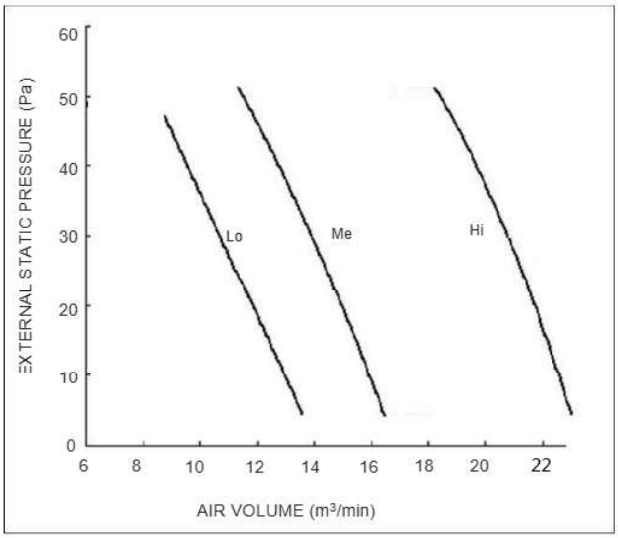
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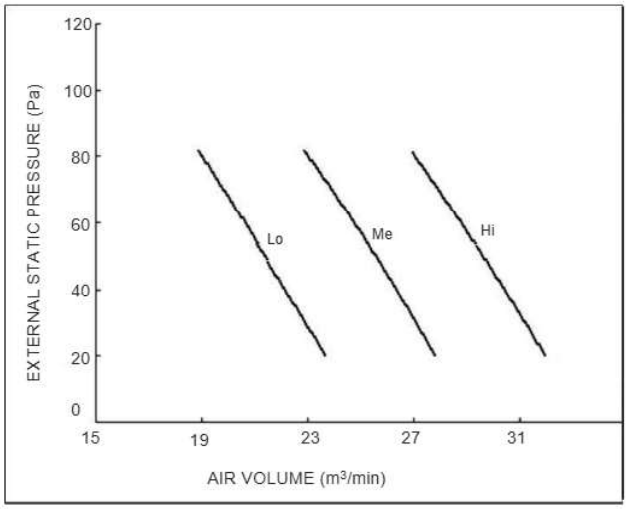
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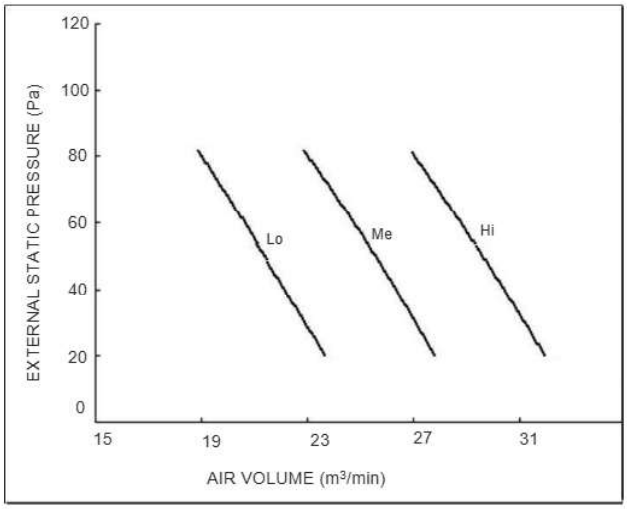
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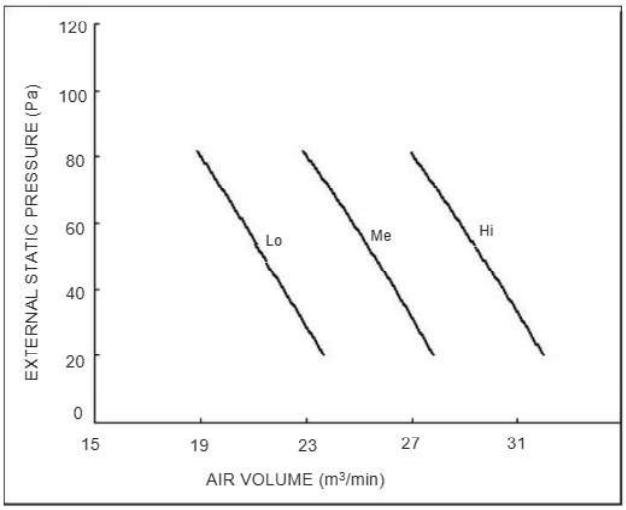
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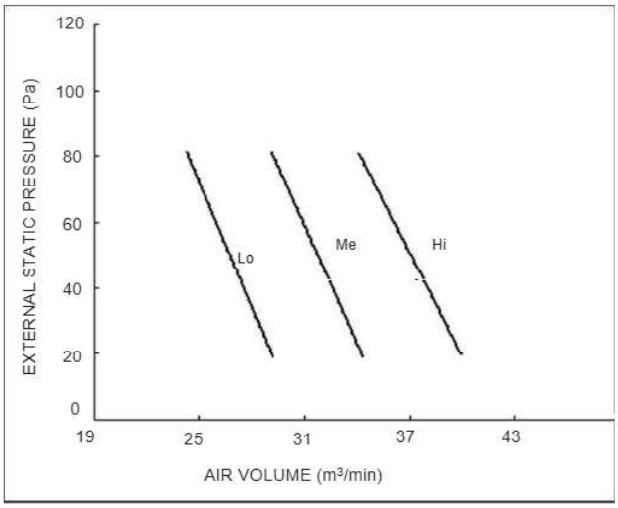
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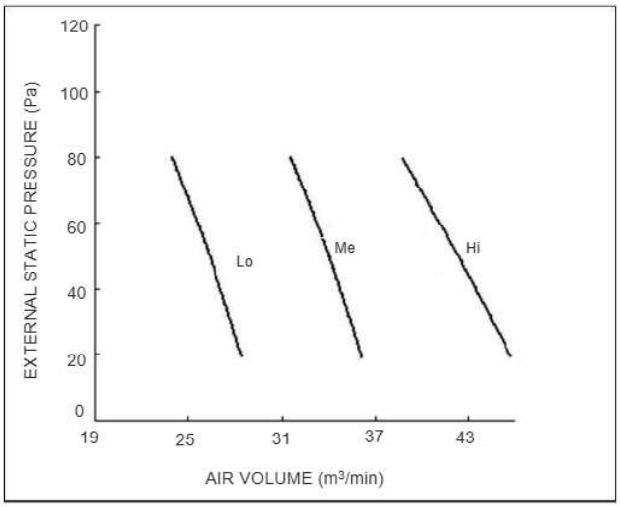
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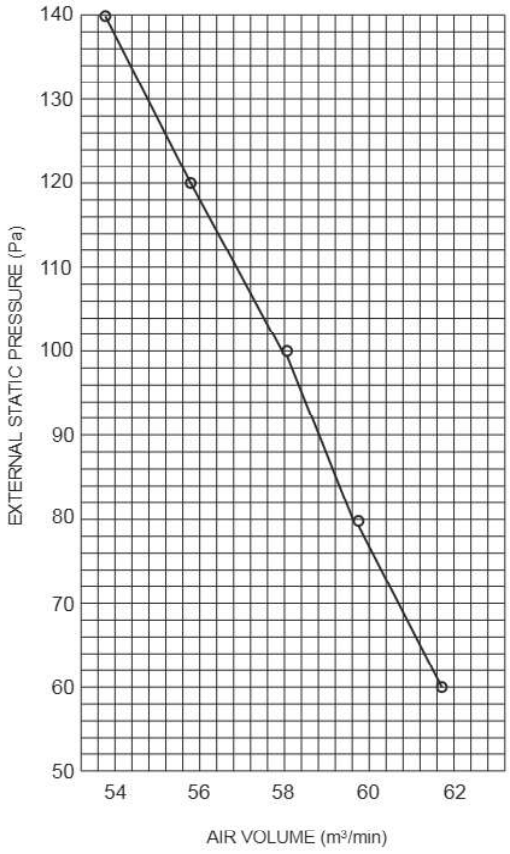
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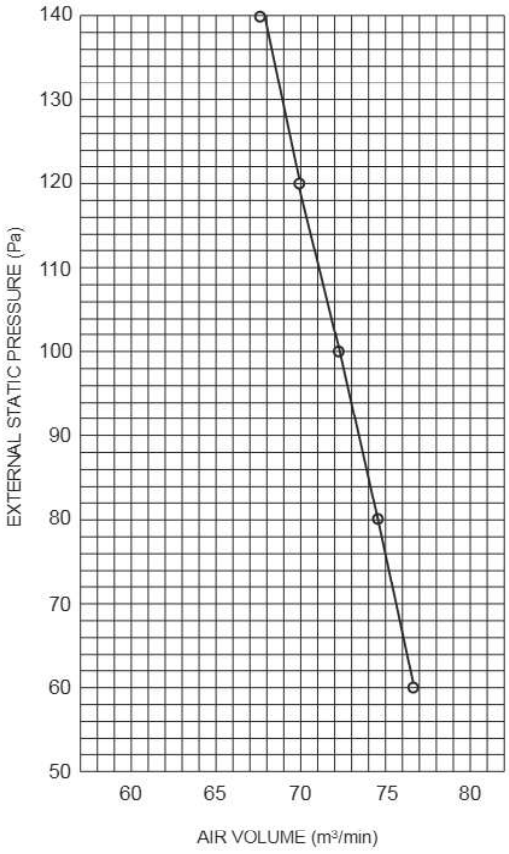
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RPI-8.0FSN3Q

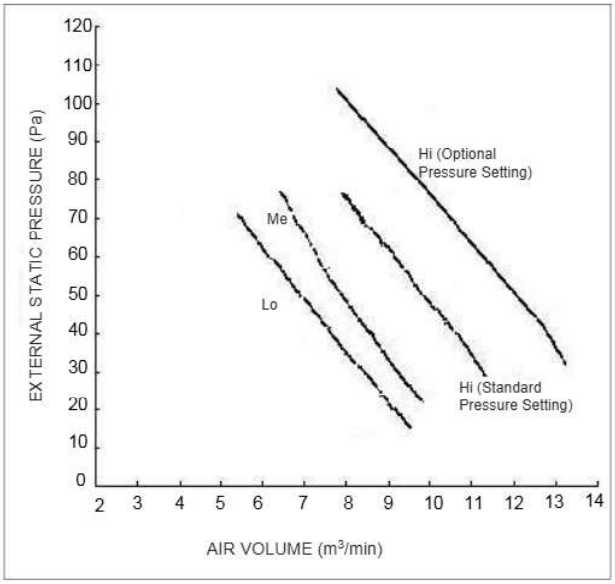


RPI-10.0FSN3Q

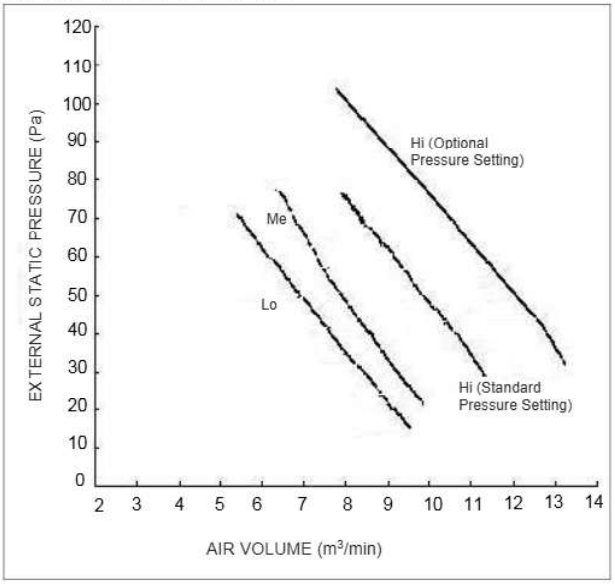


In-the-Ceiling Type (Middle Static Pressure)

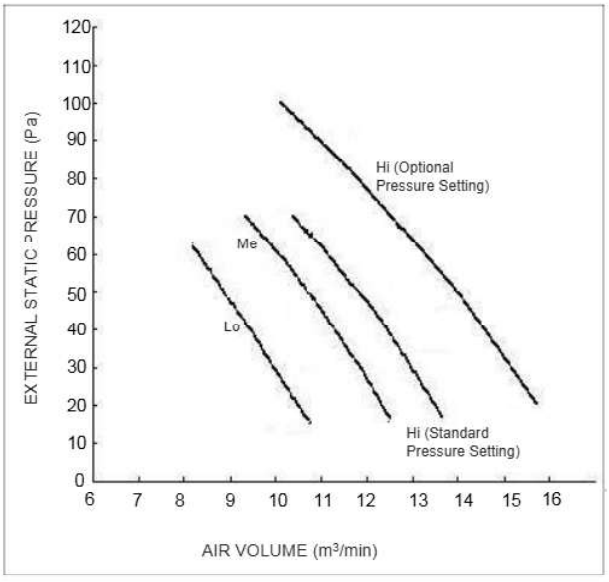
RPIM–0.8HNAUN1Q



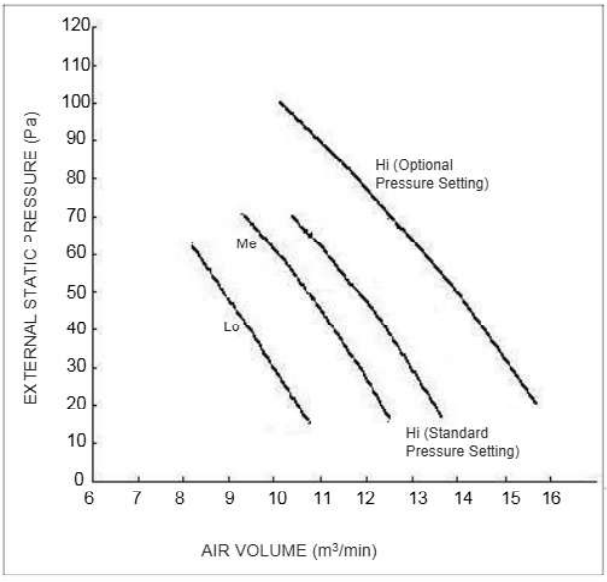
RPIM–1.0HNAUN1Q



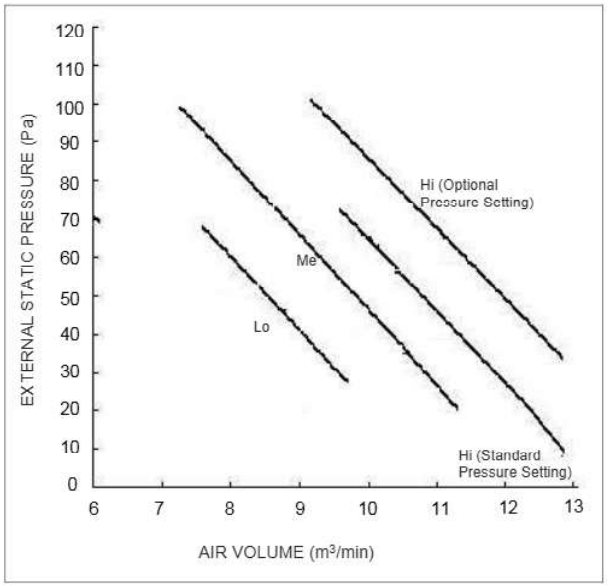
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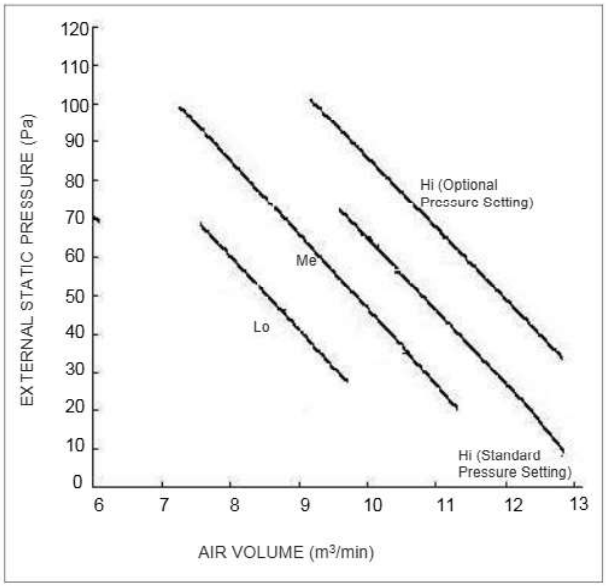
RPIM–1.5HNAUN1Q



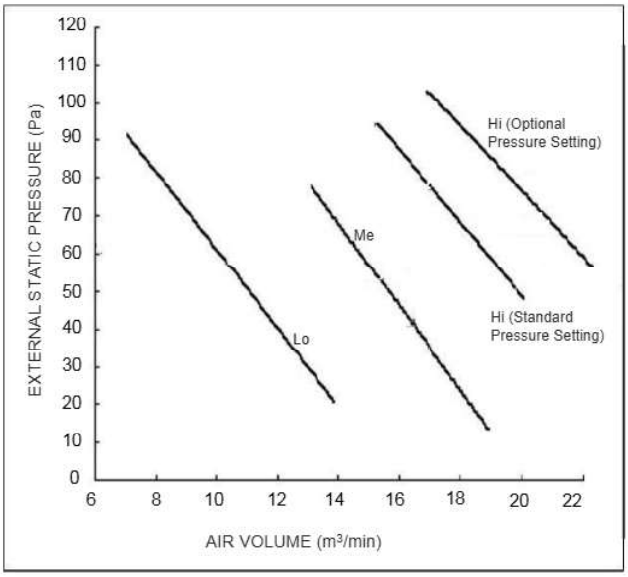
RPIM–1.8HNAUN1Q



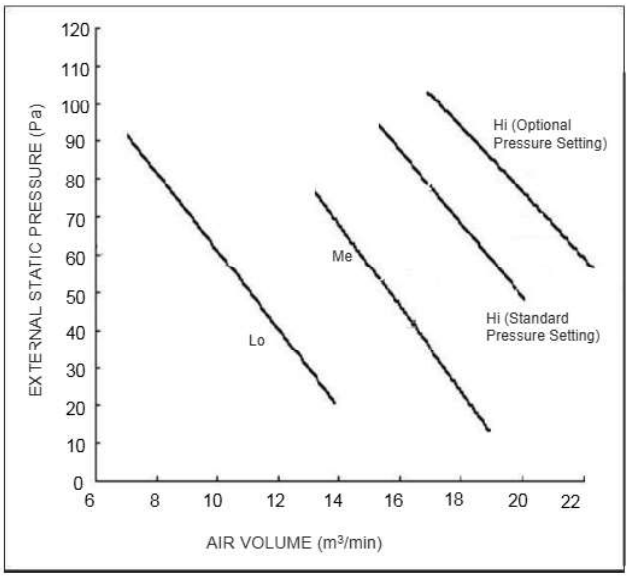
RPIM–2.0HNAUN1Q



RPIM–2.3HNAUN1Q

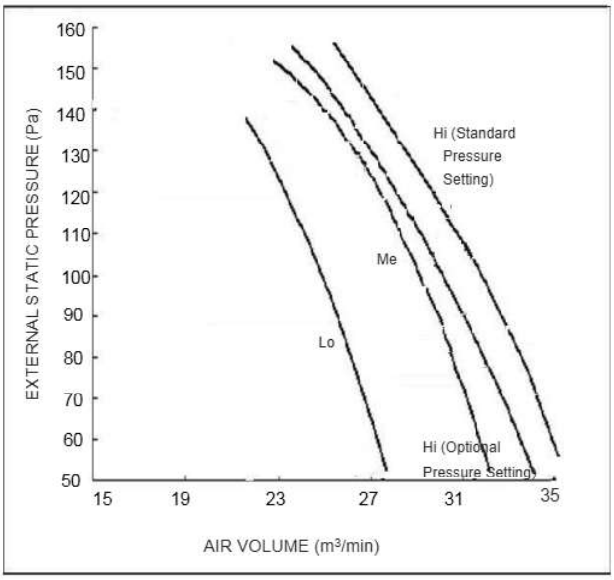


RPIM–2.5HNAUN1Q

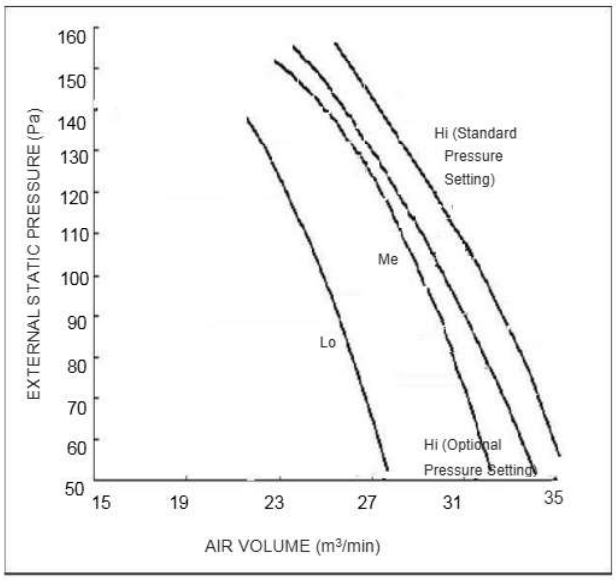


In-the-Ceiling Type (High Static Pressure)

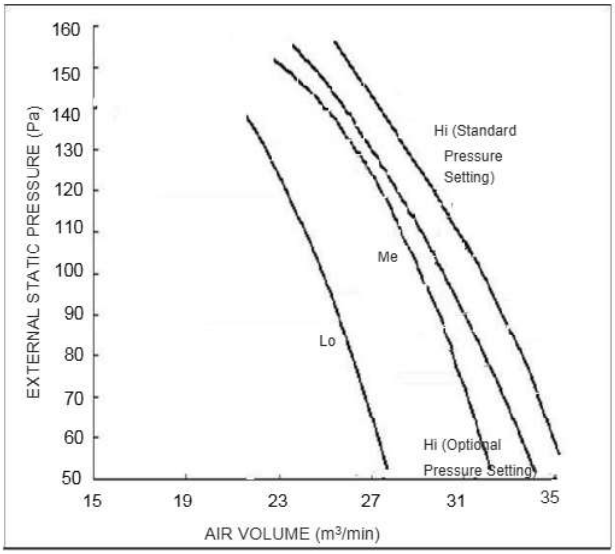
RPIH–3.0HNAUN1Q



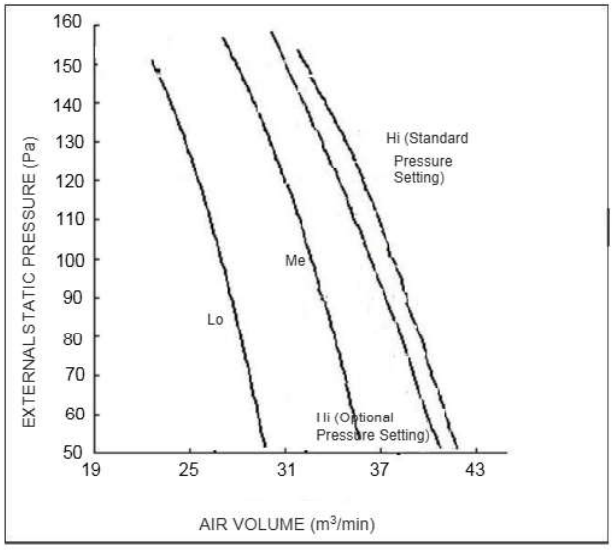
RPIH–3.3HNAUN1Q



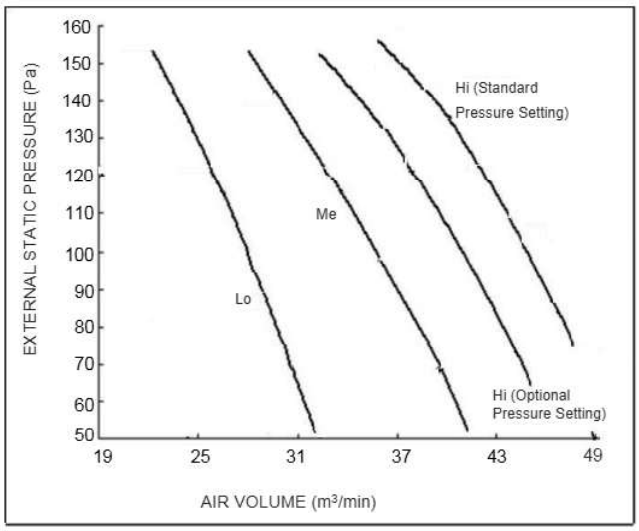
RPIH–4.0HNAUN1Q



RPIH–5.0HNAUN1Q

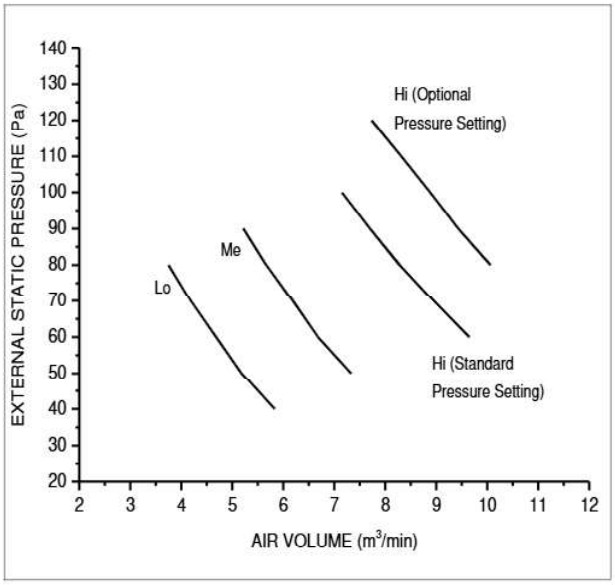


RPIH–6.0HNAUN1Q

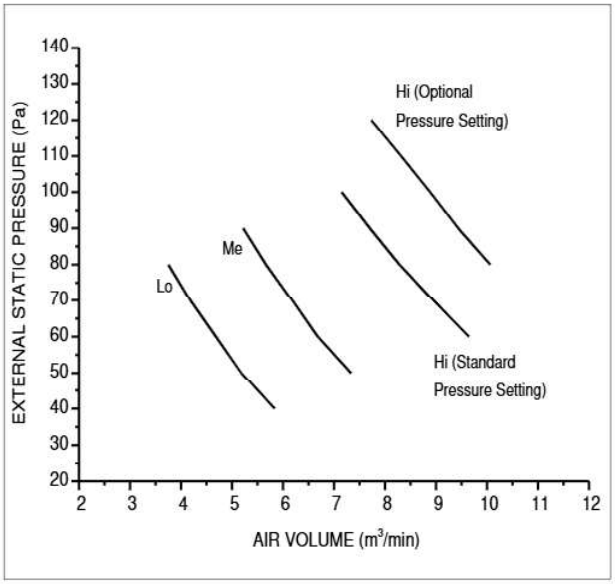


In-the-Ceiling Type (Middle Static Pressure)

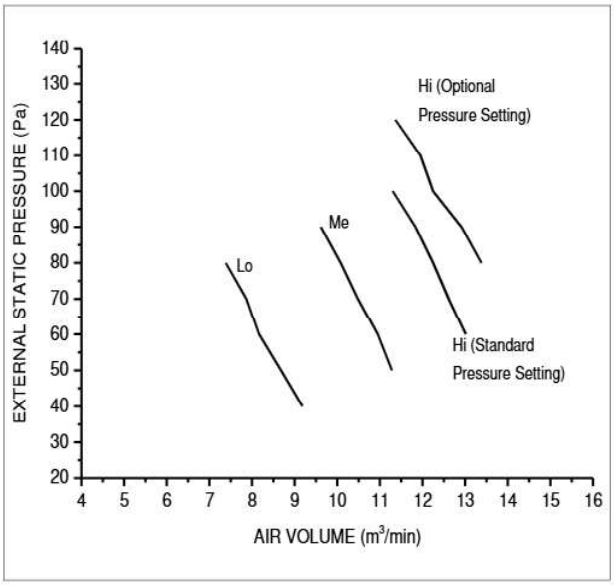
RPIM–0.8HNAUB1Q



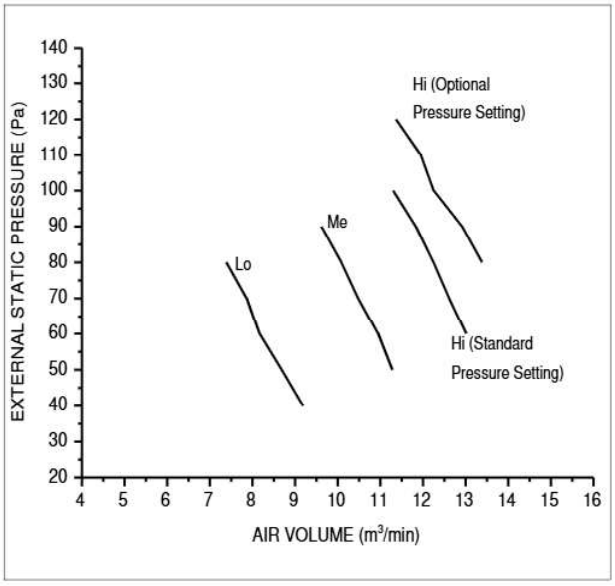
RPIM–1.0HNAUB1Q



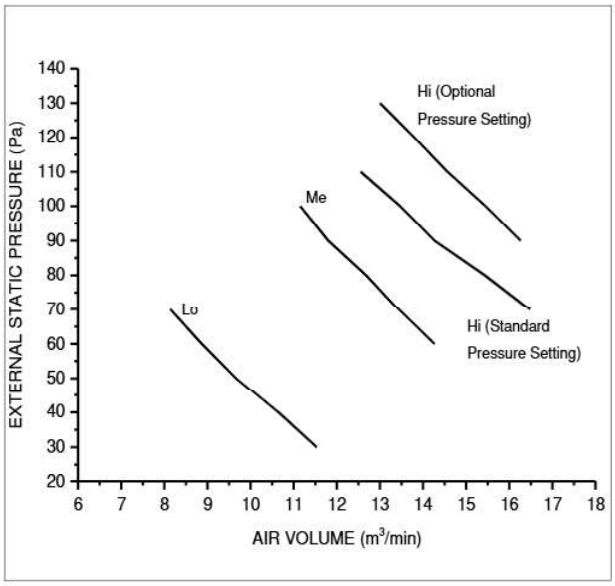
RPIM–1.3HNAUB1Q



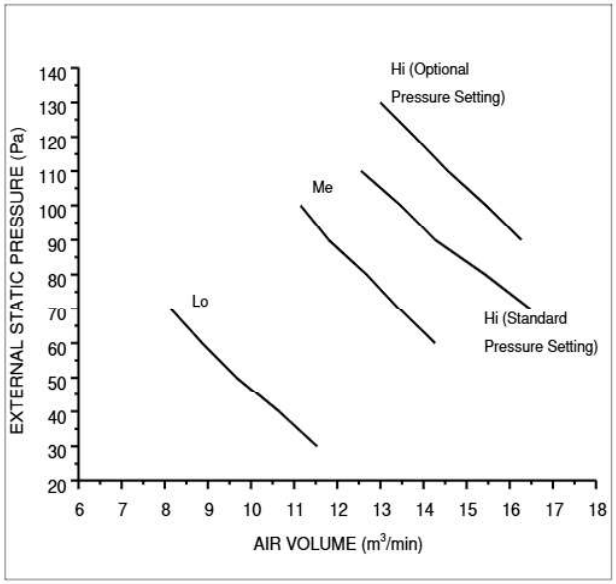
RPIM–1.5HNAUB1Q



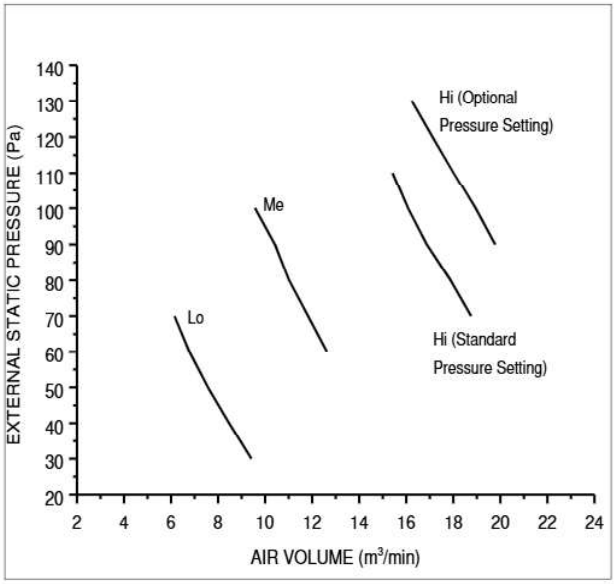
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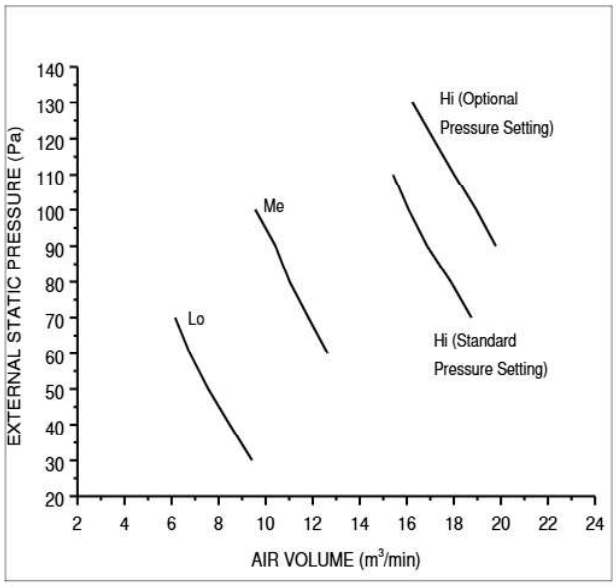
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RPIM–2.3HNAUB1Q

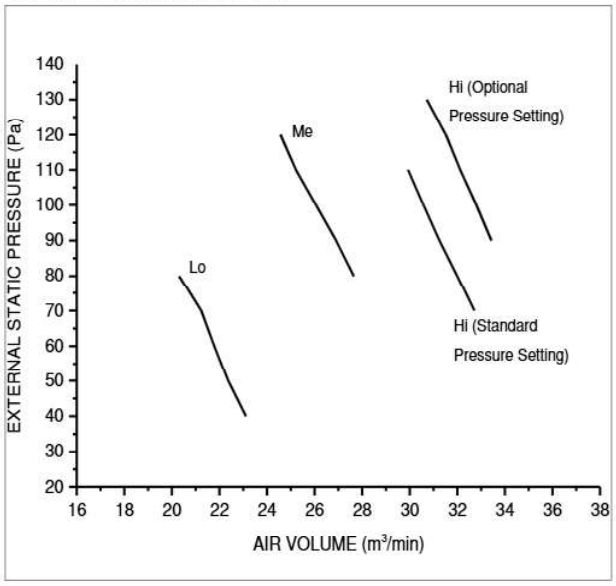


RPIM–2.5HNAUB1Q

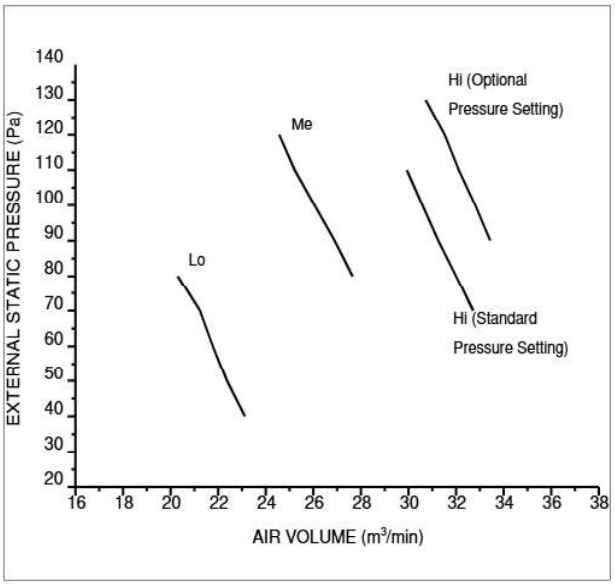


In-the-Ceiling Type (High Static Pressure)

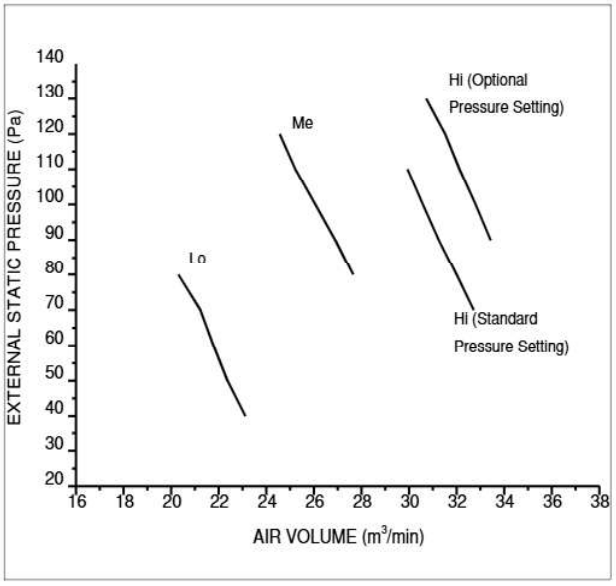
RPIH–3.0HNAUB1Q



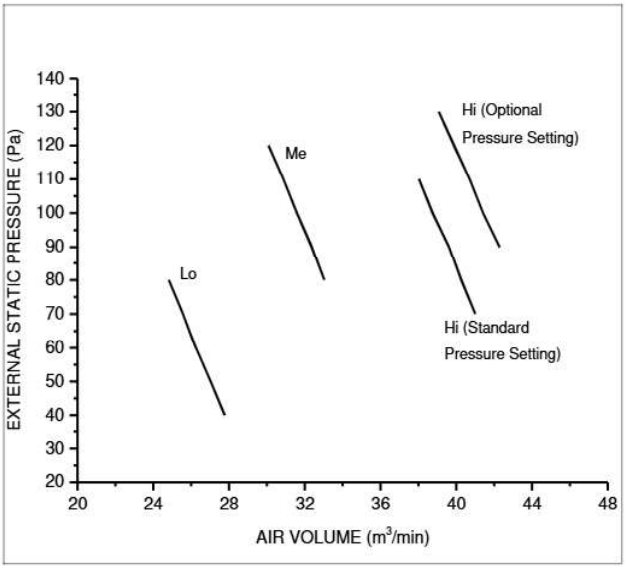
RPIH–3.3HNAUB1Q



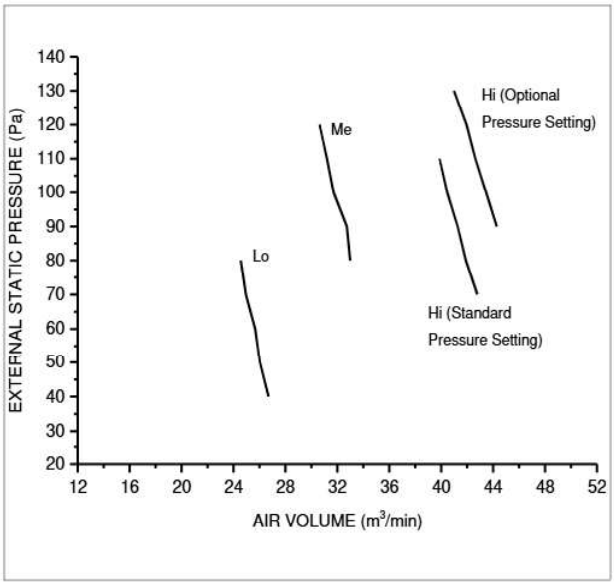
RPIH–4.0HNAUB1Q



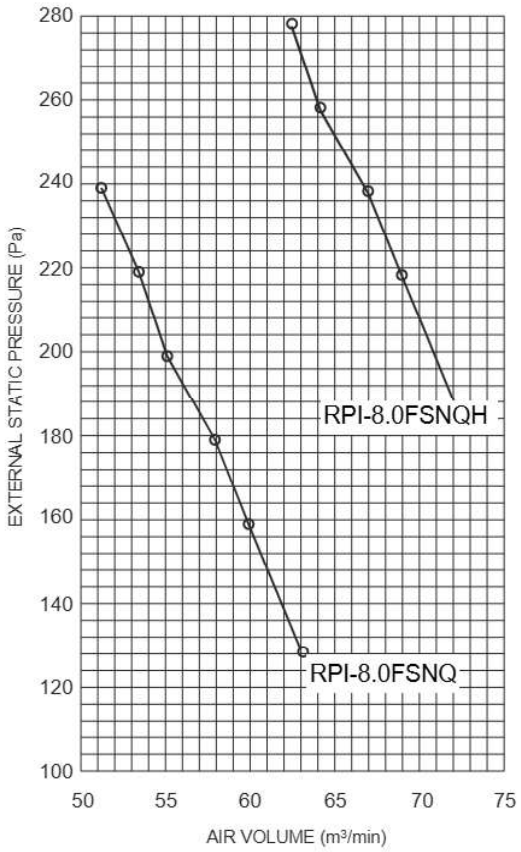
RPIH–5.0HNAUB1Q



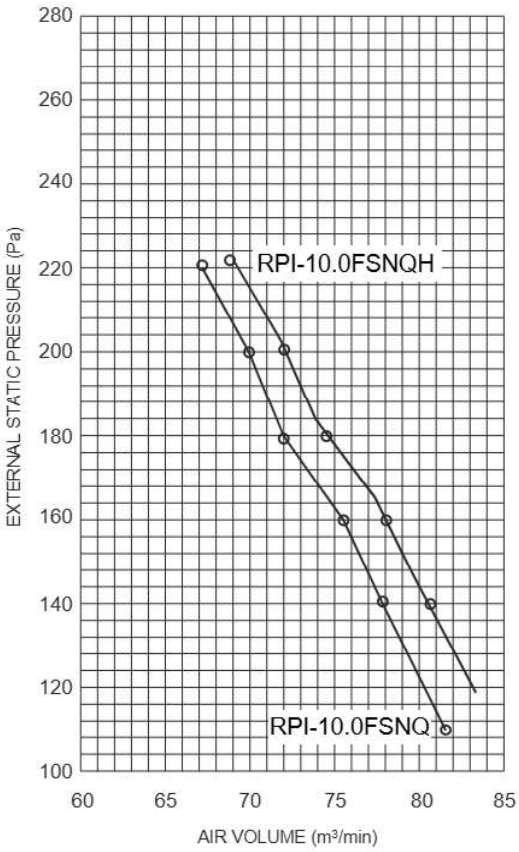
RPIH-6.0HNAUB1Q



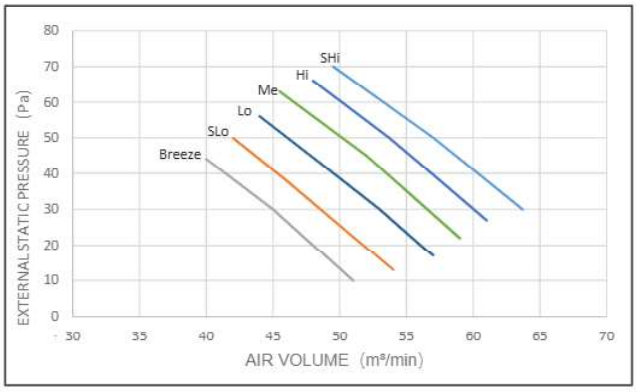
RPI-8.0FSNQ



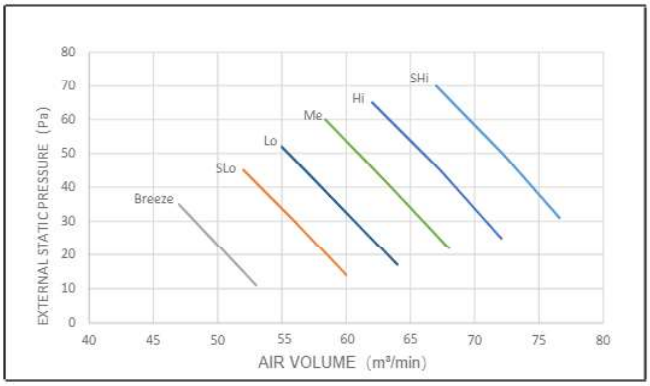
RPI-10.0FSNQ



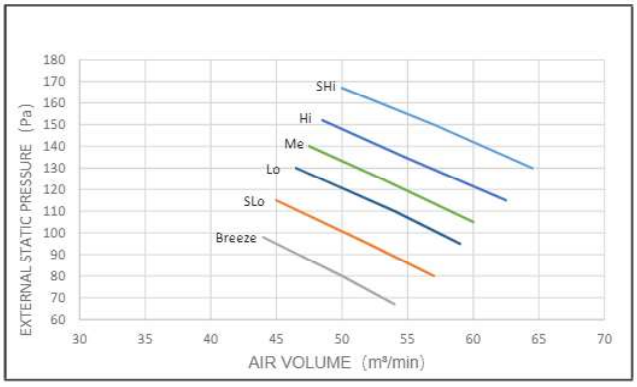
RPIH-8.0HNDUSQ (50 Pa)



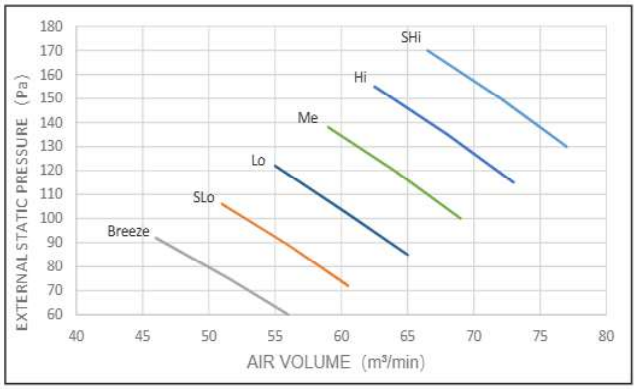
RPIH-10.0HNDUSQ (50Pa)



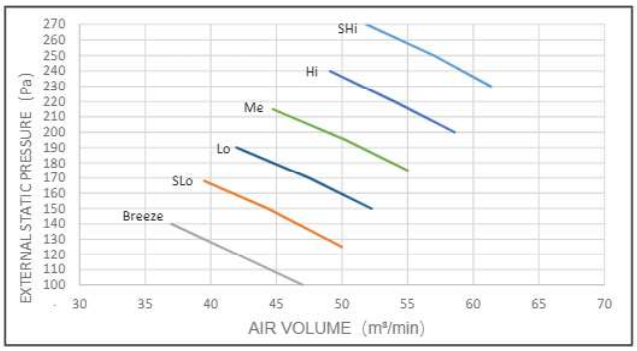
RPIH-8.0HNDUSQ (150Pa)



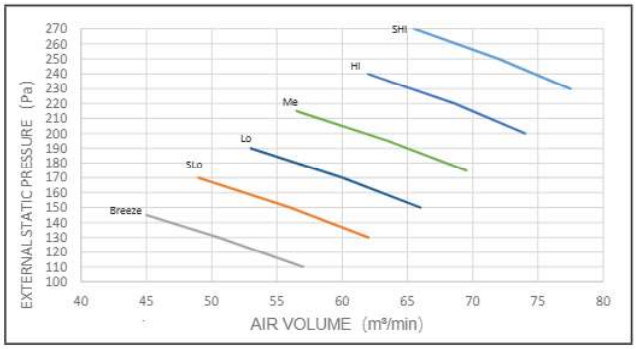
RPIH-10.0HNDUSQ (150 Pa)



RPIH-8.0HNDUSQ (250Pa)

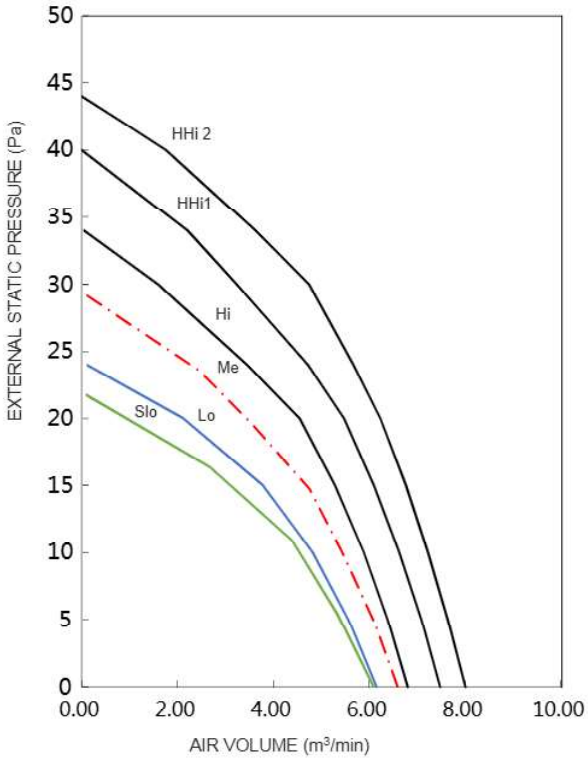


RPIH-10.0HNDUSQ (250 Pa)

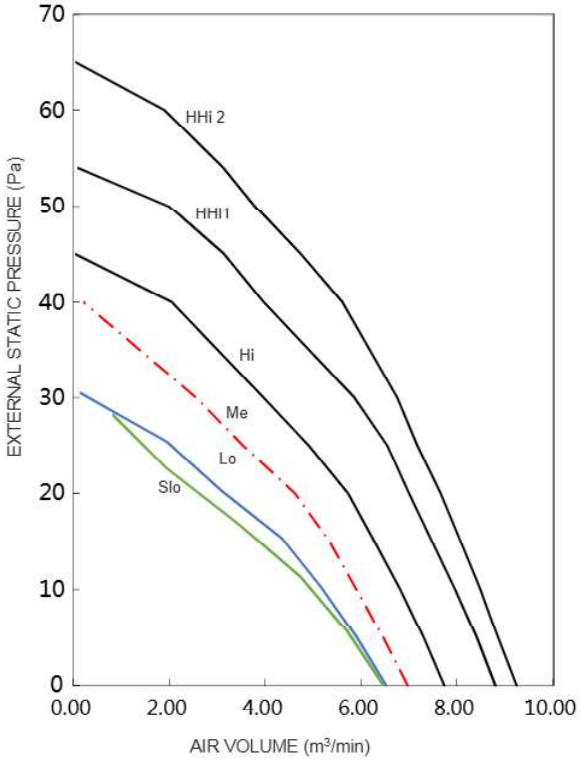


Low-Height In-the-Ceiling Type(DC)

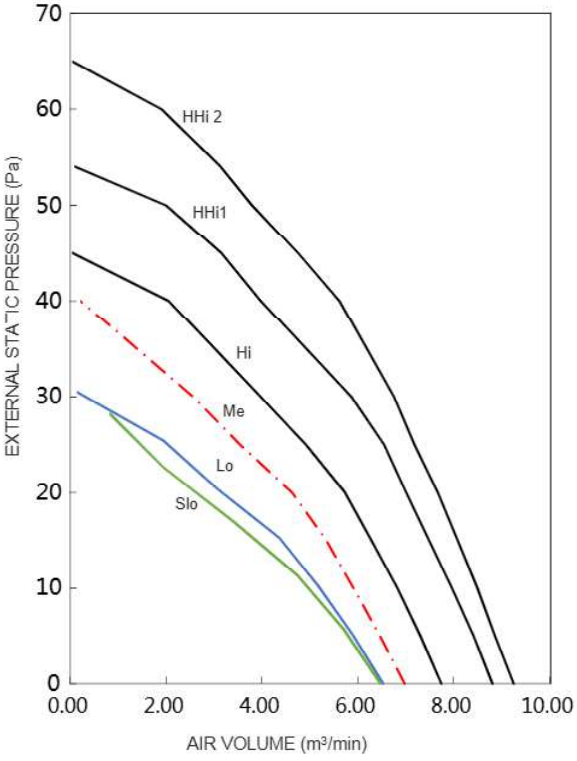
RPIZ-0.8HNDTS1Q



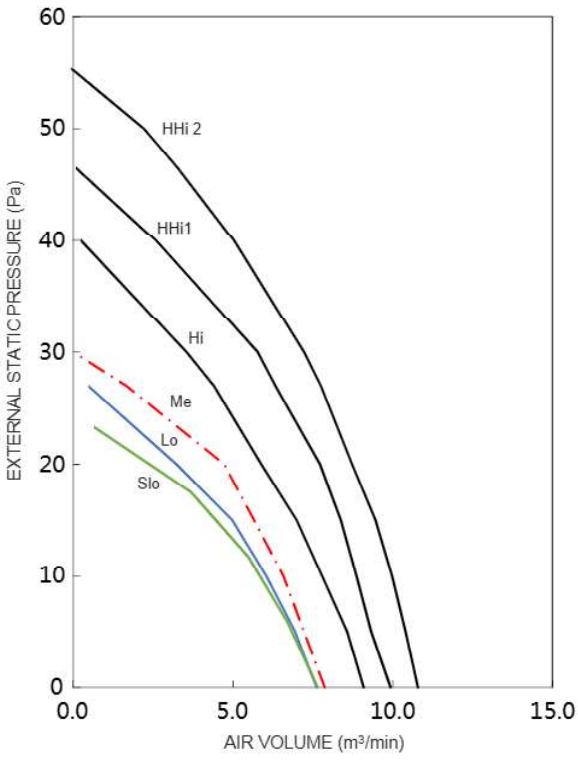
RPIZ-1.0HNDTS1Q



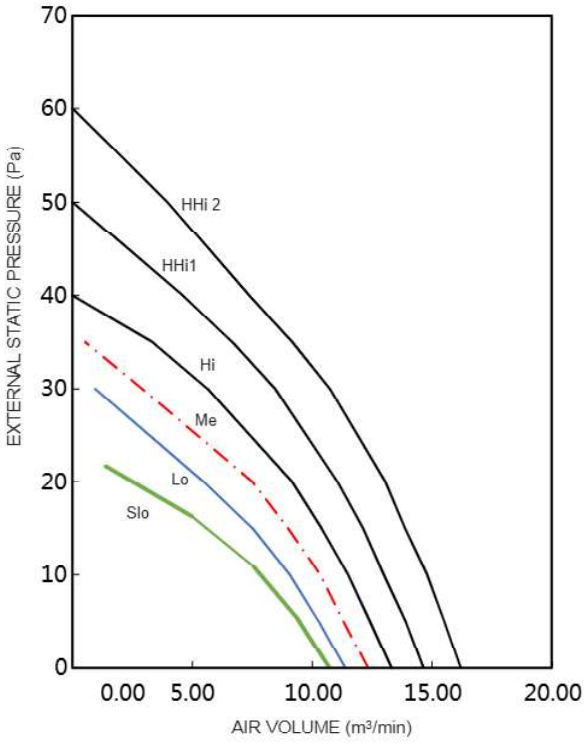
RPIZ-1.3HNDTS1Q



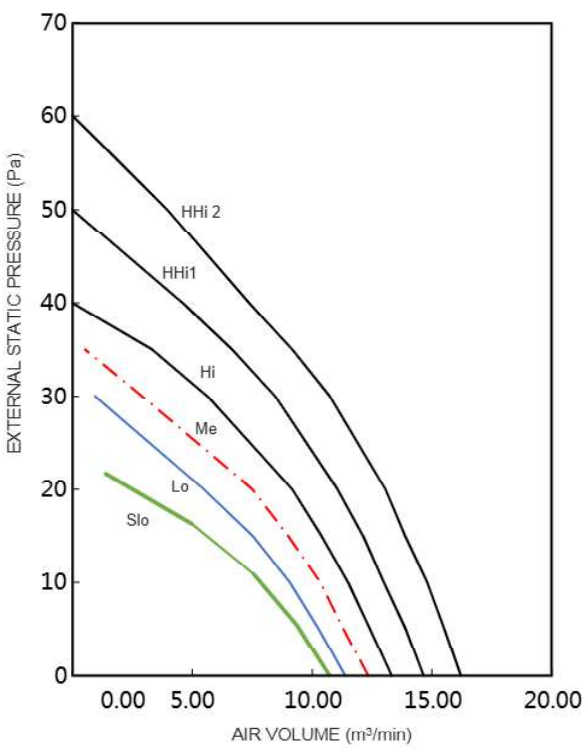
RPIZ-1.5HNDTS1Q



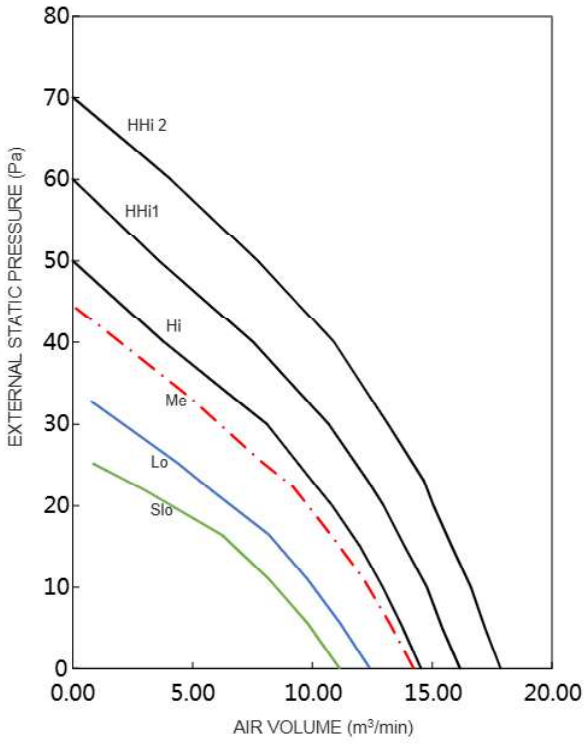
RPIZ-1.8HNDTS1Q



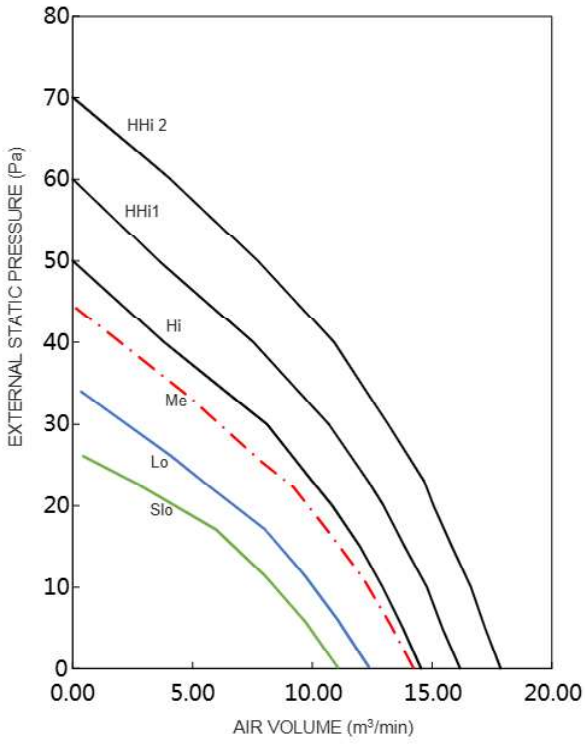
RPIZ-2.0HNDTS1Q



RPIZ-2.3HNDTS1Q

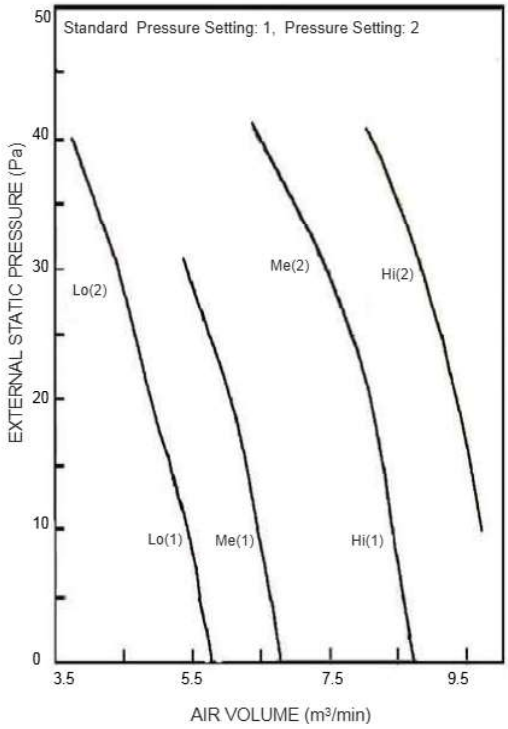


RPIZ-2.5HNDTS1Q

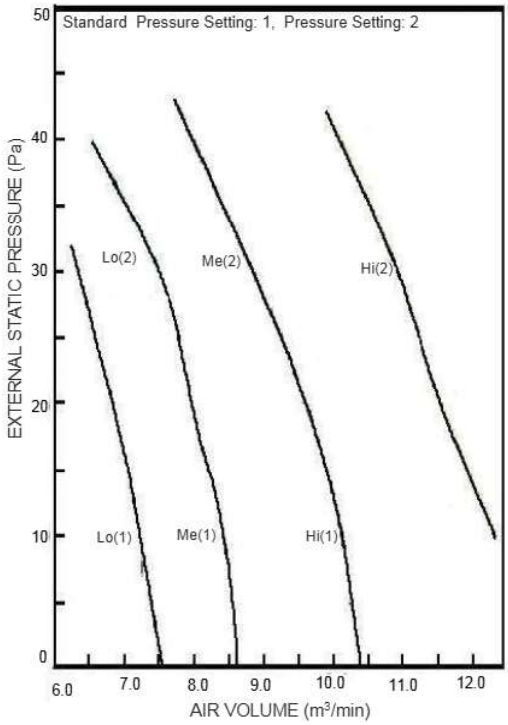


Low-Height In-the-Ceiling Type(AC)

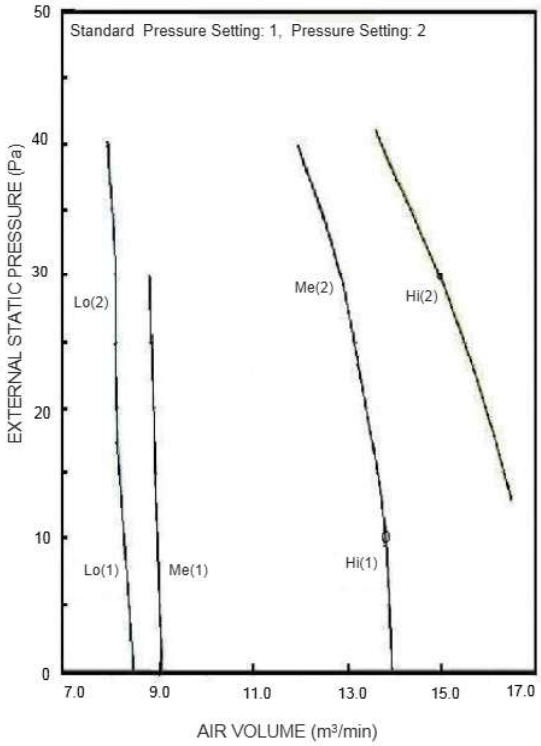
RPIZ-0.8/1.0/1.3HNATN1Q



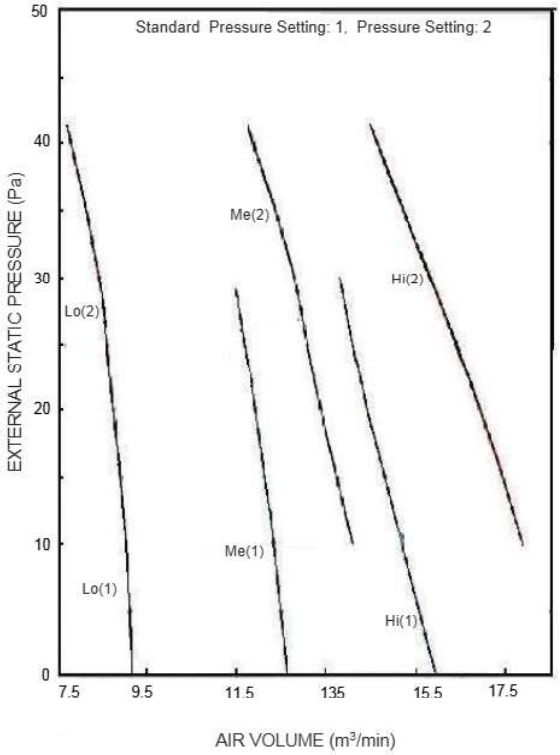
RPIZ-1.5HNATN1Q



RPIZ-1.8/2.0HNATN1Q



RPIZ-2.3/2.5HNATN1Q



4. Electrical Data

< 50 Hz >

Indoor Unit

Model		Unit Main Power			Applicable Voltage		Indoor Fan Motor		
		VOL	PH	HZ	Maximum	Minimum	PH	RNC	IPT
In-the-Ceiling Type (Low Static Pressure)	RPIL-0.8HNAUN1Q	220–240	1	50	264	198	1	0.27/0.27	0.06/0.06
	RPIL-1.0HNAUN1Q							0.27/0.27	0.06/0.06
	RPIL-1.3HNAUN1Q							0.51/0.51	0.12/0.12
	RPIL-1.5HNAUN1Q							0.51/0.51	0.12/0.12
	RPIL-1.8HNAUN1Q							0.41/0.41	0.09/0.09
	RPIL-2.0HNAUN1Q							0.41/0.41	0.09/0.09
	RPIL-2.3HNAUN1Q							0.75/0.75	0.16/0.16
	RPIL-2.5HNAUN1Q							0.75/0.75	0.16/0.16
	RPIL-3.0HNAUN1Q							1.13/1.13	0.25/0.25
	RPIL-3.3HNAUN1Q							1.13/1.13	0.25/0.25
	RPIL-4.0HNAUN1Q							1.13/1.13	0.25/0.25
	RPIL-5.0HNAUN1Q							1.32/1.32	0.29/0.29
	RPIL-6.0HNAUN1Q							1.64/1.64	0.38/0.38
	RPI-8.0FSN3Q	380~415	3	50	456	342	3	1.70	1.10
	RPI-10.0FSN3Q							2.20	1.40
In-the-Ceiling Type (Middle) Static Pressure)	RPIM-0.8HNAUN1Q	220–240	1	50	264	198	1	0.44/0.44	0.10/0.10
	RPIM-1.0HNAUN1Q							0.44/0.44	0.10/0.10
	RPIM-1.3HNAUN1Q							0.53/0.53	0.12/0.12
	RPIM-1.5HNAUN1Q							0.53/0.53	0.12/0.12
	RPIM-1.8HNAUN1Q							0.63/0.63	0.14/0.14
	RPIM-2.0HNAUN1Q							0.63/0.63	0.14/0.14
	RPIM-2.3HNAUN1Q							0.88/0.88	0.19/0.19
	RPIM-2.5HNAUN1Q							0.88/0.88	0.19/0.19
In-the-Ceiling Type (High Static Pressure)	RPIH-3.0HNAUN1Q	220–240	1	50	264	198	1	1.14/1.14	0.25/0.25
	RPIH-3.3HNAUN1Q							1.14/1.14	0.25/0.25
	RPIH-4.0HNAUN1Q							1.14/1.14	0.25/0.25
	RPIH-5.0HNAUN1Q							1.72/1.72	0.34/0.34
	RPIH-6.0HNAUN1Q							2.02/2.02	0.45/0.45
	RPI-8.0FSNQ	380~415	3	50	456	342	3	1.90	1.00
	RPI-10.0FSNQ							2.38	1.24
	RPIH-8.0HNDUSQ	220~240	1	50	264	198	1	2.67	0.49
	RPIH-10.0HNDUSQ							4.49	0.83

VOL: Rated Unit Power Supply Voltage (Plated)(V)
PH: Phase (φ)
HZ: Frequency (Hz)

RNC: Running Current (A)
IPT: Input (kW)

Model		Unit Main Power			Applicable Voltage		Indoor Fan Motor		
		VOL	PH	Hz	Maximum	Minimum	PH	RNC	IPT
Low-Height In-the-Ceiling Type(DC)	RPIZ-0.8HNDTS1Q	220–240	1	50	264	198	1	0.32/0.32	0.04/0.04
	RPIZ-1.0HNDTS1Q							0.32/0.32	0.04/0.04
	RPIZ-1.3HNDTS1Q							0.32/0.32	0.04/0.04
	RPIZ-1.5HNDTS1Q							0.29/0.29	0.03/0.03
	RPIZ-1.8HNDTS1Q							0.54/0.54	0.06/0.06
	RPIZ-2.0HNDTS1Q							0.54/0.54	0.06/0.06
	RPIZ-2.3HNDTS1Q							0.54/0.54	0.06/0.06
	RPIZ-2.5HNDTS1Q							0.54/0.54	0.06/0.06
Low-Height In-the-Ceiling Type(AC)	RPIZ-0.8HNATN1Q	220–240	1	50	264	198	1	0.32/0.32	0.07/0.07
	RPIZ-1.0HNATN1Q							0.32/0.32	0.07/0.07
	RPIZ-1.3HNATN1Q							0.32/0.32	0.07/0.07
	RPIZ-1.5HNATN1Q							0.32/0.32	0.07/0.07
	RPIZ-1.8HNATN1Q							0.42/0.42	0.09/0.09
	RPIZ-2.0HNATN1Q							0.42/0.42	0.09/0.09
	RPIZ-2.3HNATN1Q							0.44/0.44	0.10/0.10
	RPIZ-2.5HNATN1Q							0.44/0.44	0.10/0.10
Ceiling & Floor Type	RPFC-1.8FSNQ	220–240	1	50	264	198	1	0.23	0.04
	RPFC-2.0FSNQ							0.23	0.04
	RPFC-2.3FSNQ							0.41	0.07
	RPFC-2.5FSNQ							0.41	0.07
	RPFC-3.0FSNQ							0.41	0.07
	RPFC-3.3FSNQ							0.47	0.08
	RPFC-4.0FSNQ							0.75	0.13
	RPFC-5.0FSNQ							0.93	0.16

VOL: Rated Unit Power Supply Voltage (Plated)(V)
PH: Phase (ϕ)
HZ: Frequency (Hz)

RNC: Running Current (A)
IPT: Input (kW)

Model		Unit Main Power			Applicable Voltage		Indoor Fan Motor		
		VOL	PH	HZ	Maximum	Minimum	PH	RNC	IPT
4-Way Cassette Type	RCI-1.0FSKDN1Q	220~240	1	50	264	198	1	0.02	0.02
	RCI-1.5FSKDN1Q							0.03	0.04
	RCI-2.0FSKDN1Q							0.04	0.04
	RCI-2.3FSKDN1Q							0.07	0.07
	RCI-2.5FSKDN1Q							0.07	0.07
	RCI-3.0FSKDN1Q							0.07	0.07
	RCI-4.0FSKDN1Q							0.13	0.12
	RCI-5.0FSKDN1Q							0.13	0.12
	RCI-6.0FSKDN1Q							0.13	0.12
Wall Type	RPK-0.8HNBUSQ	220~240	1	50	264	198	1	0.29/0.29	0.02/0.02
	RPK-1.0HNBUSQ							0.29/0.29	0.02/0.02
	RPK-1.3HNBUSQ							0.30/0.34	0.03/0.03
	RPK-1.5HNBUSQ							0.30/0.30	0.02/0.02
	RPK-1.8HNBUSQ							0.37/0.41	0.04/0.04
	RPK-2.0HNBUSQ							0.32/0.36	0.03/0.03
	RPK-2.3HNBUSQ							0.36/0.46	0.03/0.05
	RPK-2.5HNBUSQ							0.46/0.60	0.05/0.07
Floor Concealed Type	RPFI-1.0FSNQ	220~240	1	50	264	198	1	0.40	0.08
	RPFI-1.5FSNQ							0.40	0.09
	RPFI-2.0FSNQ							0.40	0.09
	RPFI-2.5FSNQ							0.40	0.09

Model		Unit Main Power			Applicable Voltage		Indoor Fan Motor		
		VOL	PH	Hz	Maximum	Minimum	PH	RNC	IPT
1-Way Cassette Type	RCIS-1.0*	220~240	1	50	264	198	1	0.17/0.27	0.014/0.024
	RCIS-1.3*							0.27/0.37	0.024/0.034
	RCIS-1.6*							0.37/0.47	0.034/0.044
	RCIS-2.0*							0.37/0.47	0.034/0.044
	RCIS-2.5*							0.57/0.67	0.074/0.094

VOL: Rated Unit Power Supply Voltage (Plated)(V) PH: Phase (ϕ) Hz: Frequency (Hz)
RNC: Running Current (A) IPT: Input (kW)

< 60 Hz >

Indoor Unit

Model		Unit Main Power			Applicable Voltage		Indoor Fan Motor		
		VOL	PH	HZ	Maximum	Minimum	PH	RNC	IPT
In-the-Ceiling Type	RPIM-0.8HNAUB1Q	220	1	60	242	198	1	0.50/0.50	0.11/0.11
	RPIM-1.0HNAUB1Q							0.50/0.50	0.11/0.11
	RPIM-1.3HNAUB1Q							0.72/0.72	0.16/0.16
	RPIM-1.5HNAUB1Q							0.72/0.72	0.16/0.16
	RPIM-1.8HNAUB1Q							0.86/0.86	0.19/0.19
	RPIM-2.0HNAUB1Q							0.86/0.86	0.19/0.19
	RPIM-2.3HNAUB1Q							1.05/1.05	0.23/0.23
	RPIM-2.5HNAUB1Q							1.05/1.05	0.23/0.23
	RPIH-3.0HNAUB1Q	220	1	60	242	198	1	1.68/1.68	0.36/0.36
	RPIH-3.3HNAUB1Q							1.68/1.68	0.36/0.36
	RPIH-4.0HNAUB1Q							1.68/1.68	0.36/0.36
	RPIH-5.0HNAUB1Q							2.22/2.22	0.47/0.47
	RPIH-6.0HNAUB1Q							2.79/2.79	0.61/0.61
	RPI-8.0FSNQ	380	3	60	418	342	3	2.19	1.15
	RPI-10.0FSNQ							2.74	1.43

Model		Unit Main Power			Applicable Voltage		Indoor Fan Motor		
		VOL	PH	Hz	Maximum	Minimum	PH	RNC	IPT
Low-Height In-the-Ceiling Type(DC)	RPIZ-0.8HNDTS1Q	220-240	1	60	264	198	1	0.32/0.32	0.04/0.04
	RPIZ-1.0HNDTS1Q							0.32/0.32	0.04/0.04
	RPIZ-1.3HNDTS1Q							0.32/0.32	0.04/0.04
	RPIZ-1.5HNDTS1Q							0.29/0.29	0.03/0.03
	RPIZ-1.8HNDTS1Q							0.54/0.54	0.06/0.06
	RPIZ-2.0HNDTS1Q							0.54/0.54	0.06/0.06
	RPIZ-2.3HNDTS1Q							0.54/0.54	0.06/0.06
	RPIZ-2.5HNDTS1Q							0.54/0.54	0.06/0.06

Model		Unit Main Power			Applicable Voltage		Indoor Fan Motor		
		VOL	PH	Hz	Maximum	Minimum	PH	RNC	IPT
1-Way Cassette Type	RCIS-1.0*	220~240	1	60	264	198	1	0.17/0.27	0.014/0.024
	RCIS-1.3*							0.27/0.37	0.024/0.034
	RCIS-1.6*							0.37/0.47	0.034/0.044
	RCIS-2.0*							0.37/0.47	0.034/0.044
	RCIS-2.5*							0.57/0.67	0.074/0.094

VOL: Rated Unit Power Supply Voltage (Plated)(V)
PH: Phase (ϕ)
HZ: Frequency (Hz)

RNC: Running Current (A)
IPT: Input (kW)

Model		Unit Main Power			Applicable Voltage		Indoor Fan Motor		
		VOL	PH	HZ	Maximum	Minimum	PH	RNC	IPT
4-Way Cassette Type	RCI-1.0FSKDN1Q	220	1	60	242	198	1	0.02	0.2
	RCI-1.5FSKDN1Q							0.03	0.4
	RCI-2.0FSKDN1Q							0.04	0.4
	RCI-2.3FSKDN1Q							0.07	0.7
	RCI-2.5FSKDN1Q							0.07	0.7
	RCI-3.0FSKDN1Q							0.07	0.7
	RCI-4.0FSKDN1Q							0.13	1.2
	RCI-5.0FSKDN1Q							0.13	1.2
	RCI-6.0FSKDN1Q							0.13	1.2
Wall Type	RPK-0.8HNBUSQ	220~240	1	60	264	198	1	0.29/0.29	0.02/0.02
	RPK-1.0HNBUSQ							0.29/0.29	0.02/0.02
	RPK-1.3HNBUSQ							0.30/0.34	0.03/0.03
	RPK-1.5HNBUSQ							0.30/0.30	0.02/0.02
	RPK-1.8HNBUSQ							0.37/0.41	0.04/0.04
	RPK-2.0HNBUSQ							0.32/0.36	0.03/0.03
	RPK-2.3HNBUSQ							0.36/0.46	0.03/0.05
	RPK-2.5HNBUSQ							0.46/0.60	0.05/0.07
Floor Concealed Type	RPFI-1.0FSNQ	220	1	60	264	198	1	0.28	0.06
	RPFI-1.5FSNQ							0.44	0.09
	RPFI-2.0FSNQ							0.48	0.10
	RPFI-2.5FSNQ							0.61	0.13
Ceiling & Floor Type	RPFC-1.8FSNQ	220	1	60	264	198	1	0.23	0.04
	RPFC-2.0FSNQ							0.23	0.04
	RPFC-2.3FSNQ							0.41	0.07
	RPFC-2.5FSNQ							0.41	0.07
	RPFC-3.0FSNQ							0.41	0.07
	RPFC-3.3FSNQ							0.47	0.08
	RPFC-4.0FSNQ							0.75	0.13
	RPFC-5.0FSNQ							0.93	0.16

VOL: Rated Unit Power Supply Voltage (Plated)(V)
PH: Phase (ϕ)
HZ: Frequency (Hz)

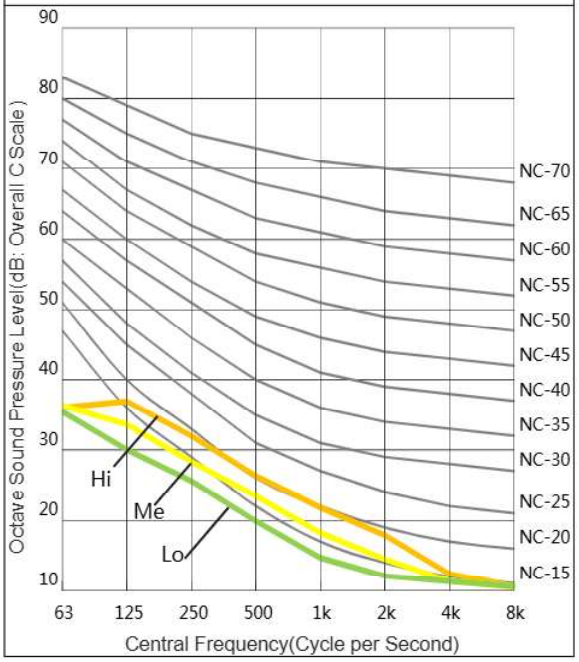
RNC: Running Current (A)
IPT: Input (kW)

5. Sound Data

In-the-Ceiling Type (Low Static Pressure)

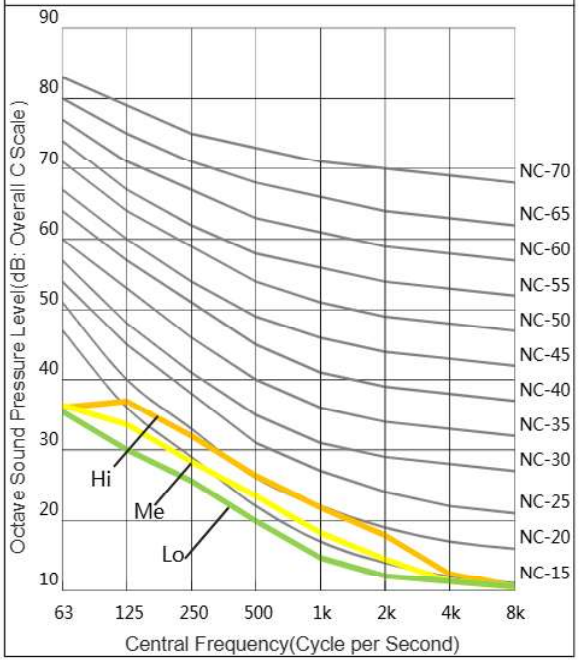
Model: RPIL-0.8HNAUN1Q | Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



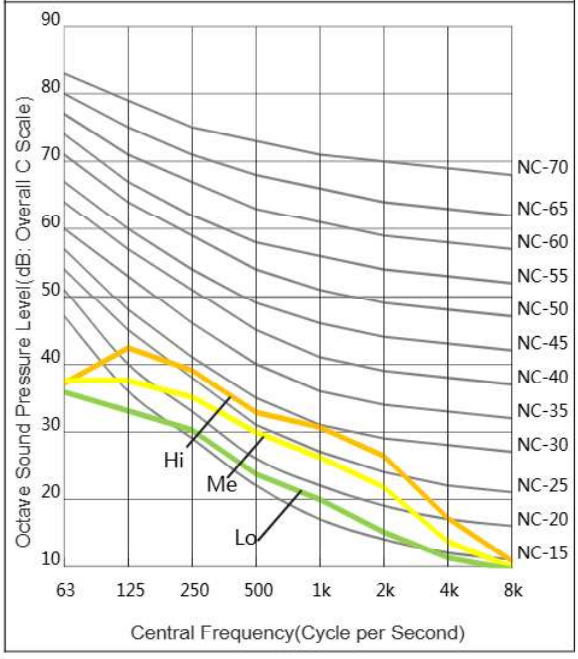
Model: RPIL-1.0HNAUN1Q | Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



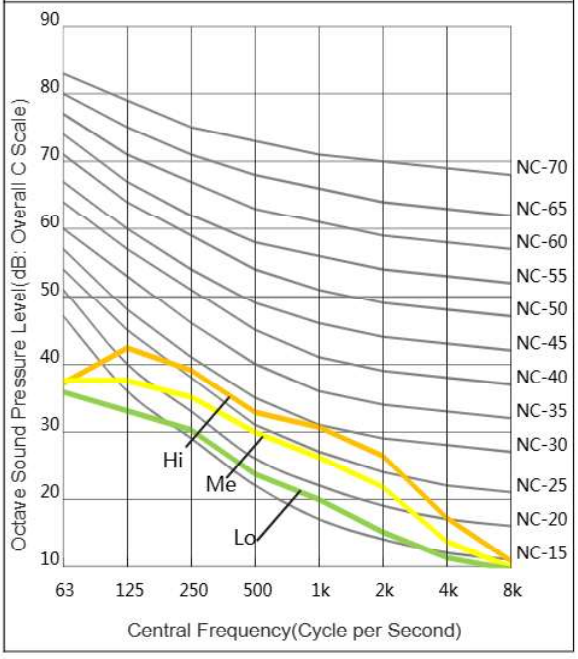
Model: RPIL-1.3HNAUN1Q | Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



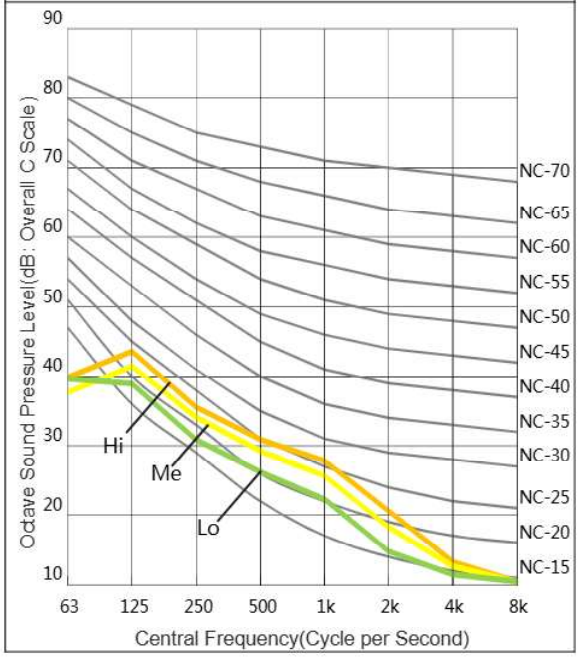
Model: RPIL-1.5HNAUN1Q | Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



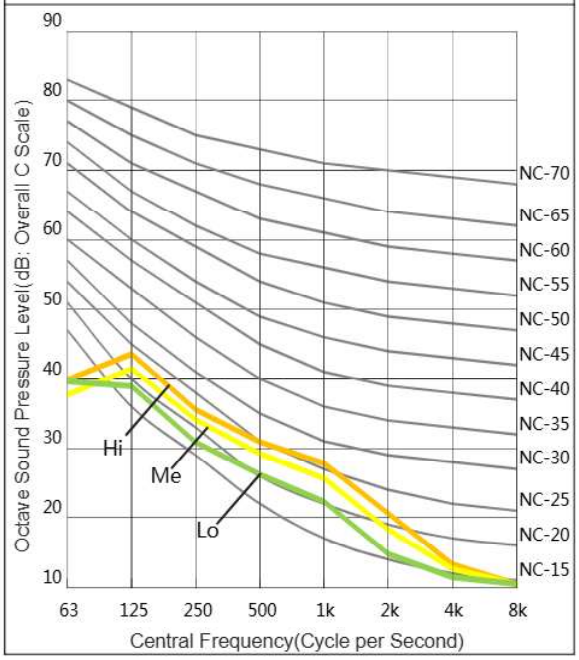
Model: RPIL-1.8HNAUN1Q | Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



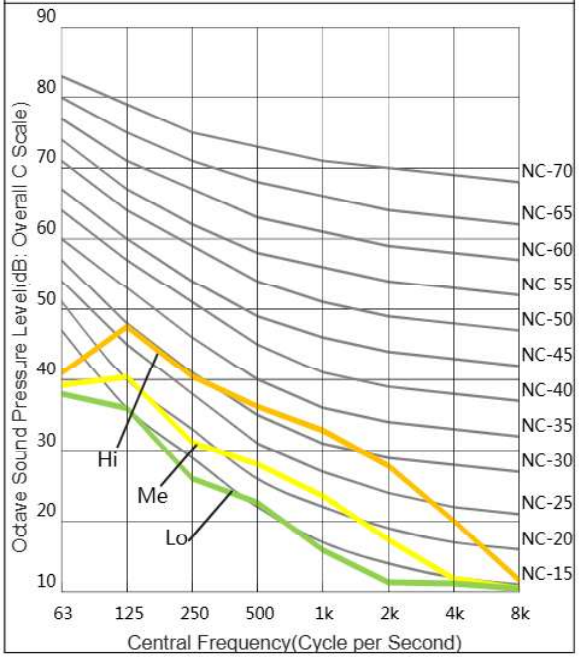
Model: RPIL-2.0HNAUN1Q | Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



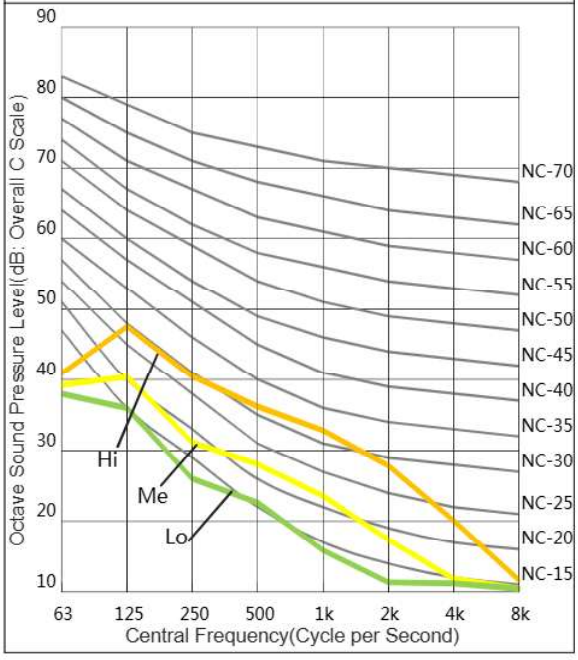
Model: RPIL-2.3HNAUN1Q | Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



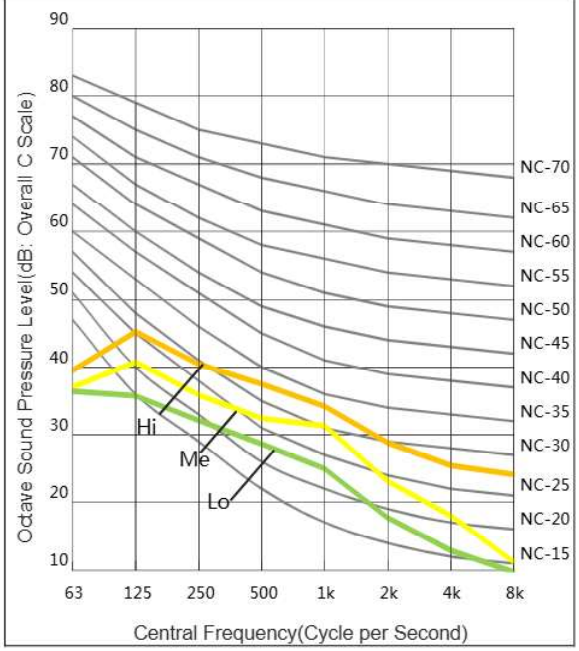
Model: RPIL-2.5HNAUN1Q | Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



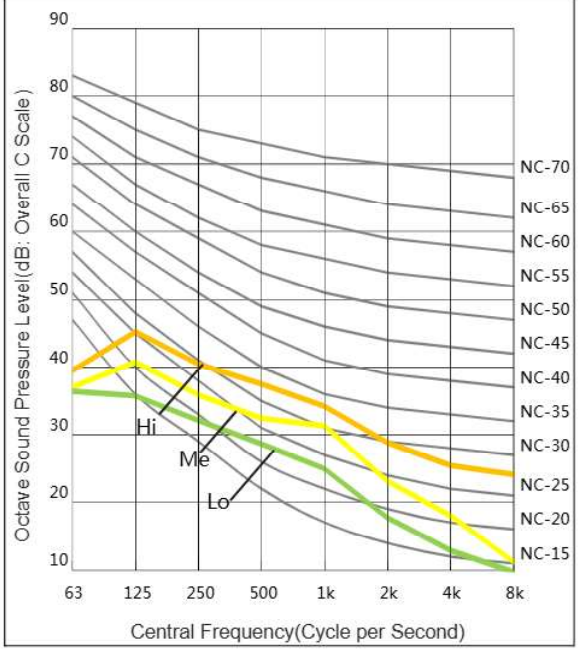
Model: RPIL-3.0HNAUN1Q	Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



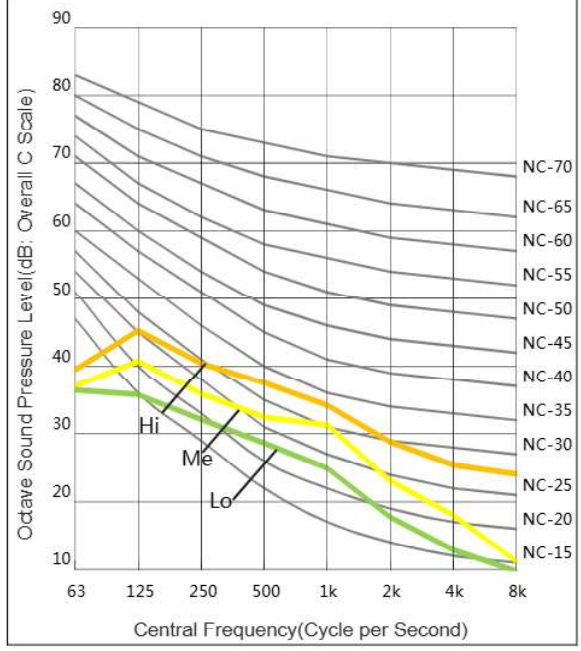
Model: RPIL-3.3HNAUN1Q	Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



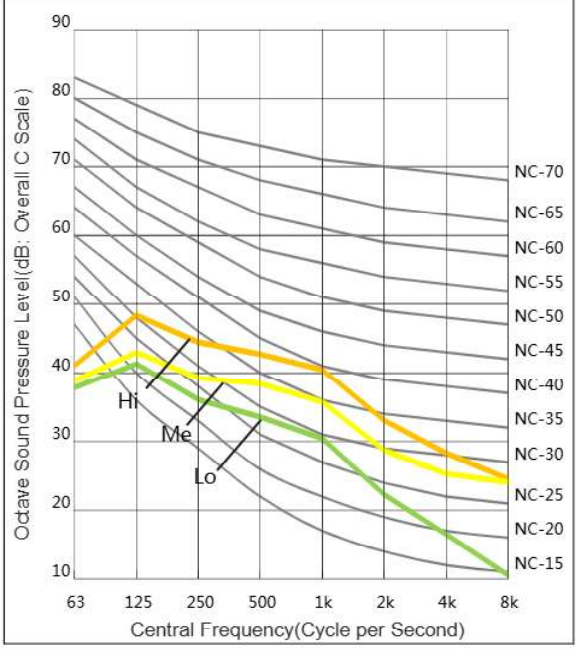
Model: RPIL-4.0HNAUN1Q	Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



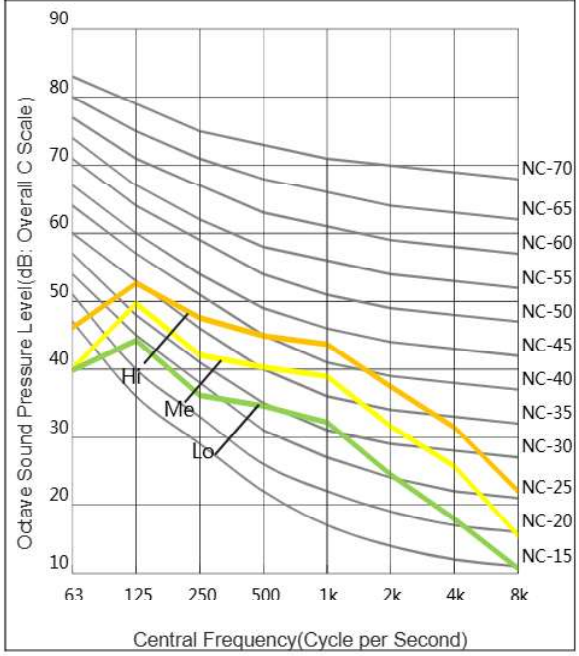
Model: RPIL-5.0HNAUN1Q	Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



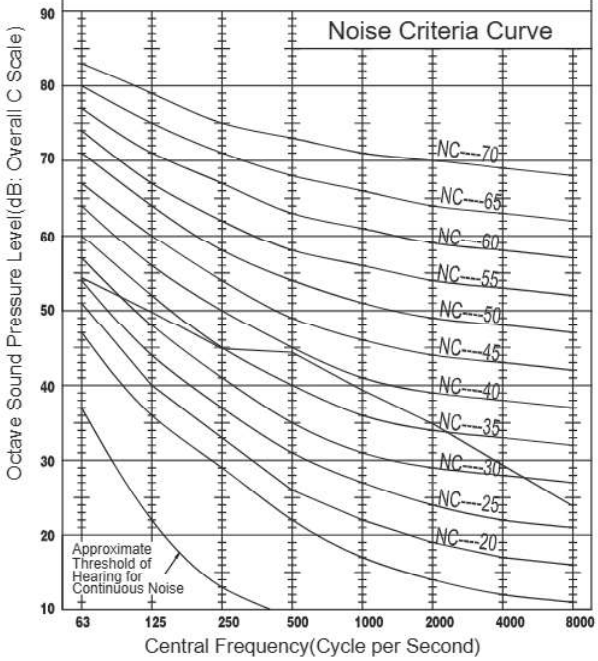
Model: RPIL-6.0HNAUN1Q	Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



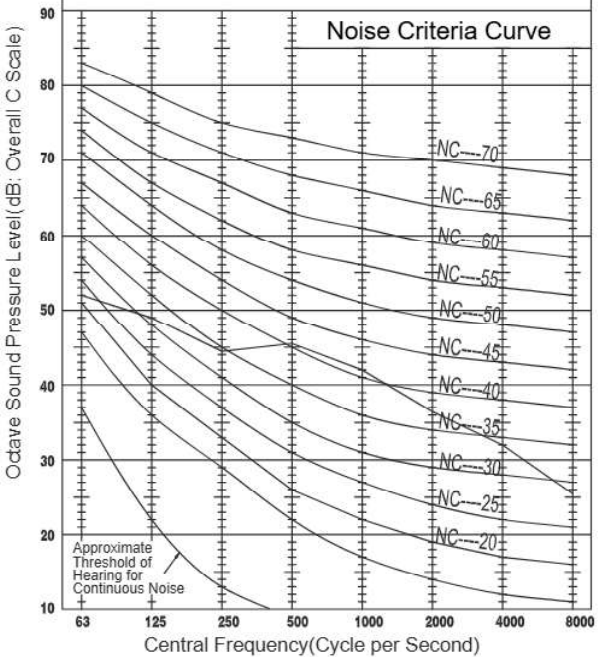
Model: RPI-8.0FSN3Q	Power Supply: 380~415V/50Hz,380V/60HZ

Measurement Point: 1.5 Meters Beneath the Unit



Model: RPI-10.0FSN3Q	Power Supply: 380~415V/50Hz,380V/60HZ

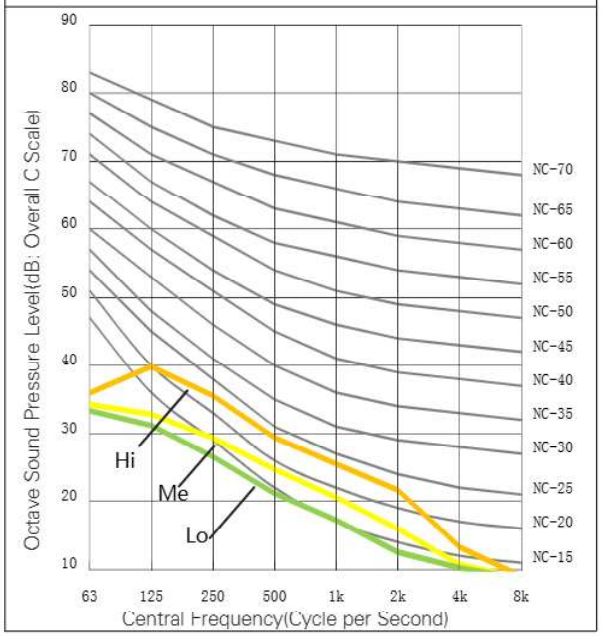
Measurement Point: 1.5 Meters Beneath the Unit



In-the-Ceiling Type (Middle Static Pressure)

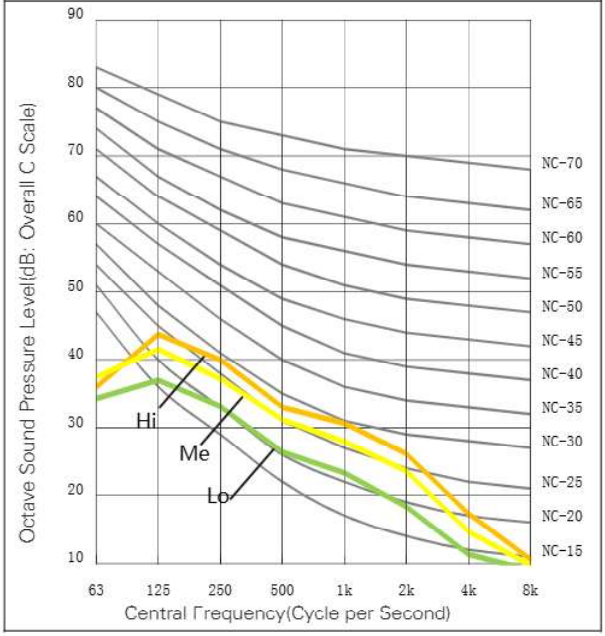
Model: RPIM-0.8/1.0HNAUN1Q | Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



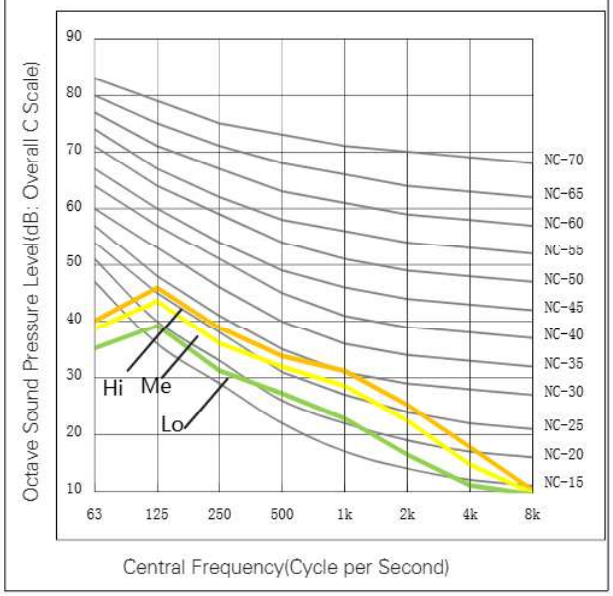
Model: RPIM-1.3/1.5HNAUN1Q | Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



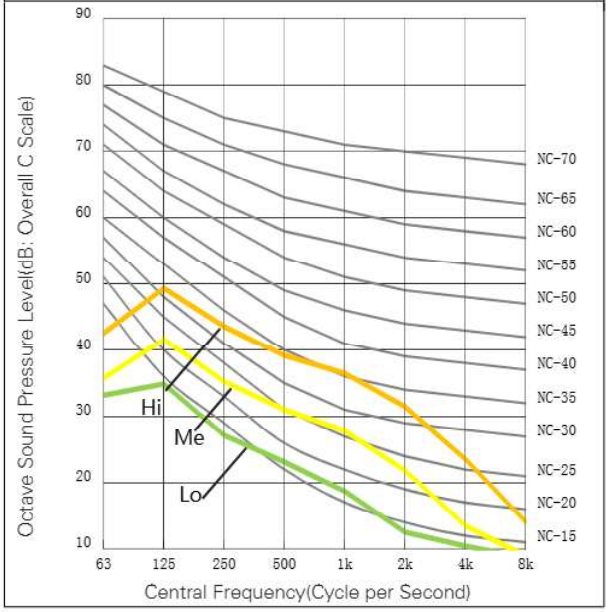
Model: RPIM-1.8/2.0HNAUN1Q | Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



Model: RPIM-2.3/2.5HNAUN1Q | Power Supply: 220-240V/50Hz

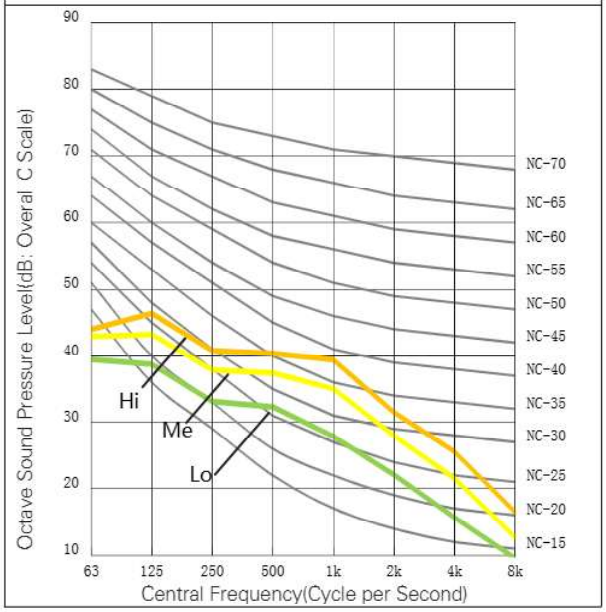
Measurement Point: 1.4 Meters Beneath the Unit



In-the-Ceiling Type (High Static Pressure)

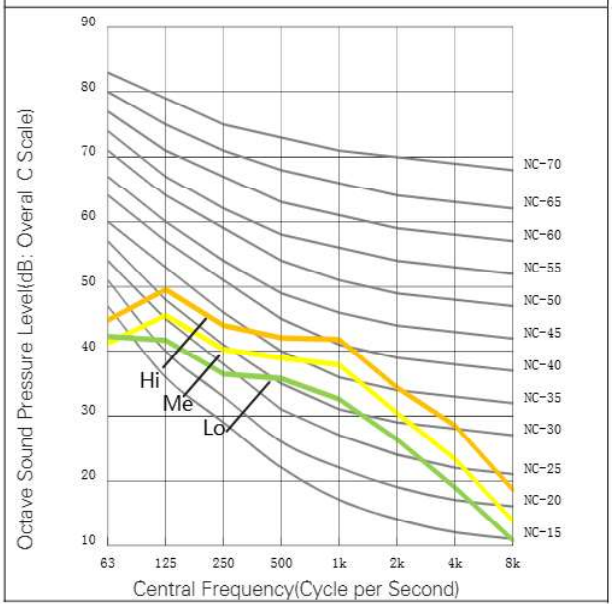
Model: RPIH-3.0/3.3/4.0HNAUN1Q	Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



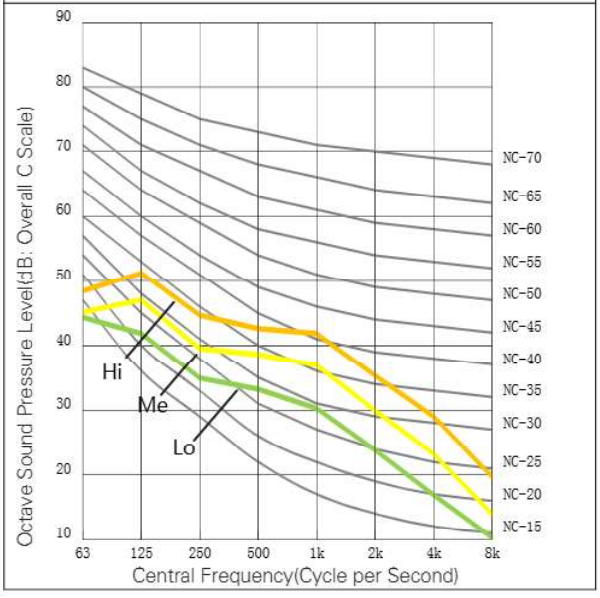
Model: RPIH-5.0HNAUN1Q	Power Supply: 220-240V/50Hz

Measurement Point: 1.4 Meters Beneath the Unit



Model: RPIH-6.0HNAUN1Q	Power Supply: 220-240V/50Hz

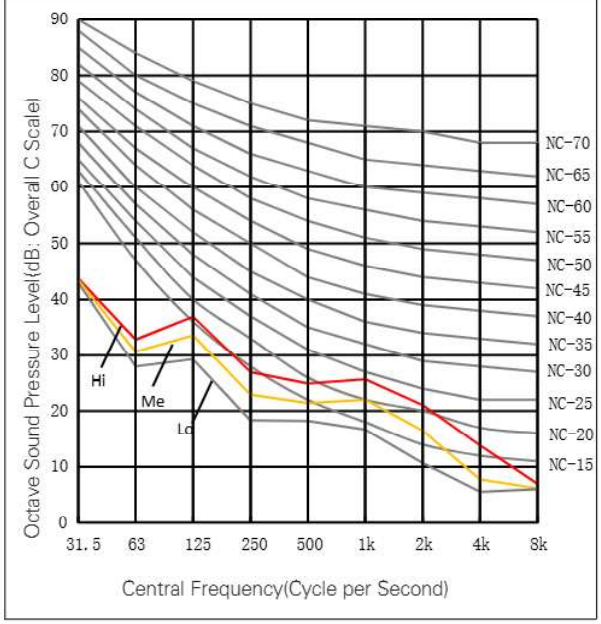
Measurement Point: 1.4 Meters Beneath the Unit



In-the-Ceiling Type (Middle Static Pressure)

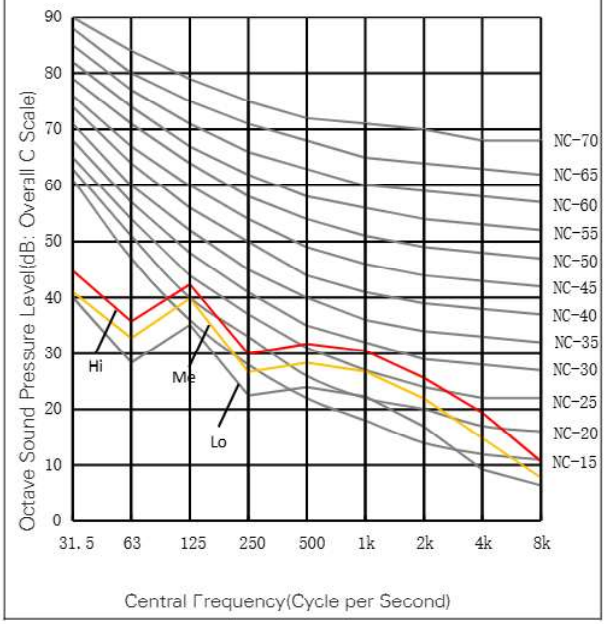
Model: RPIM-0.8/1.0HNAUB1Q	Power Supply: 220V/60Hz

Measurement Point: 1.4 Meters Beneath the Unit



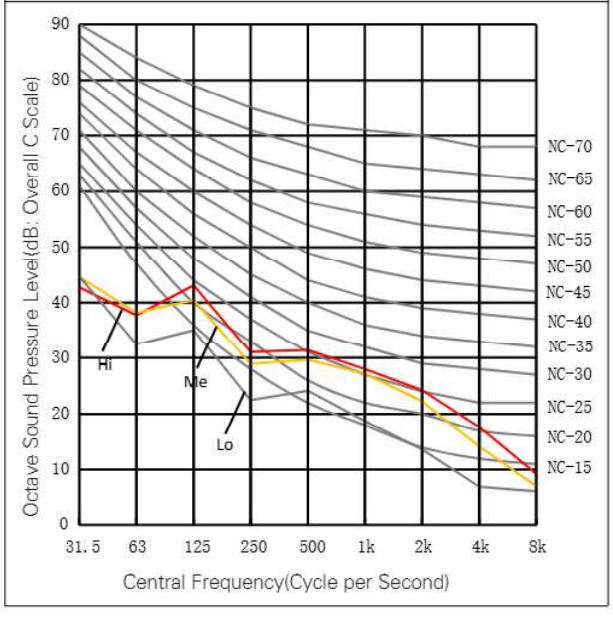
Model: RPIM-1.3/1.5HNAUB1Q	Power Supply: 220V/60Hz

Measurement Point: 1.4 Meters Beneath the Unit



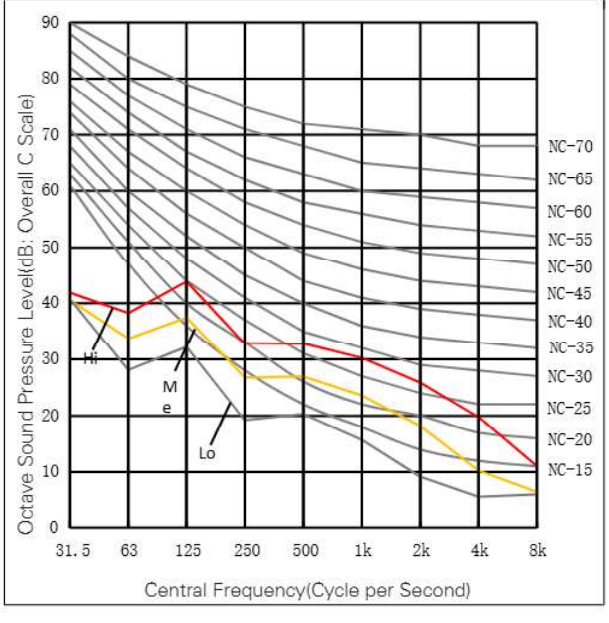
Model: RPIM-1.8/2.0HNAUB1Q	Power Supply: 220V/60Hz

Measurement Point: 1.4 Meters Beneath the Unit



Model: RPIM-2.3/2.5HNAUB1Q	Power Supply: 220V/60Hz

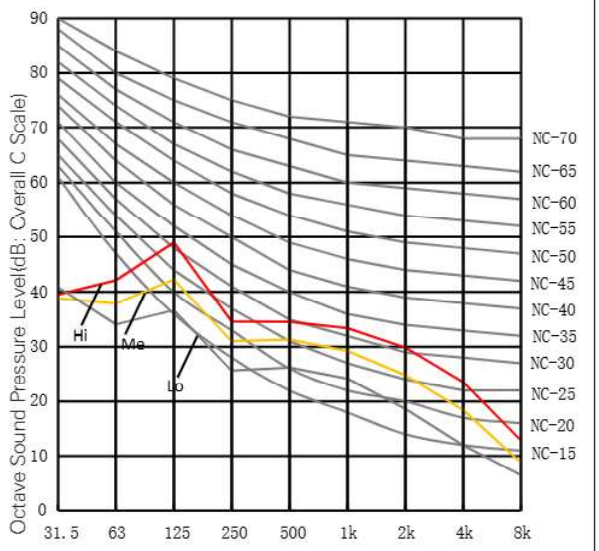
Measurement Point: 1.4 Meters Beneath the Unit



In-the-Ceiling Type (High Static Pressure)

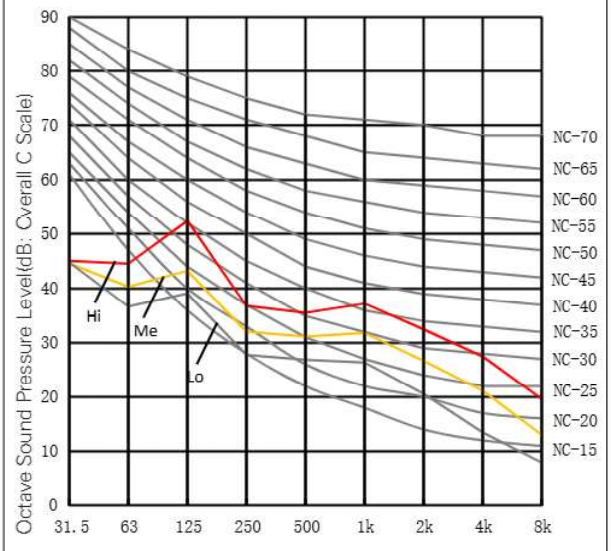
Model: RPIH-3.0/3.3/4.0HNAUB1Q | Power Supply: 220V/60Hz

Measurement Point: 1.4 Meters Beneath the Unit



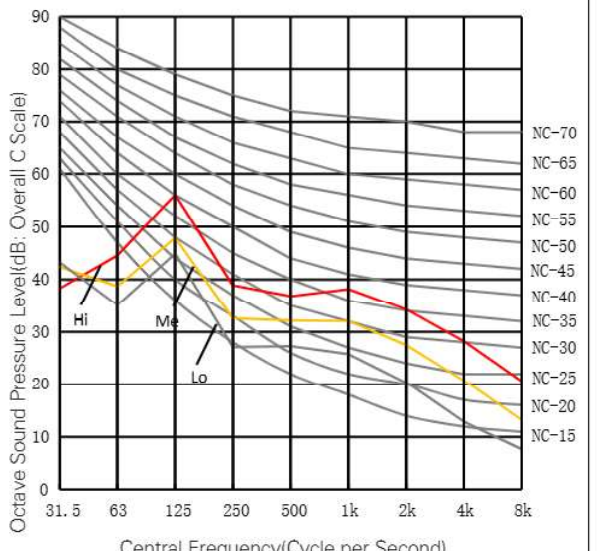
Model: RPIH-5.0HNAUB1Q | Power Supply: 220V/60Hz

Measurement Point: 1.4 Meters Beneath the Unit



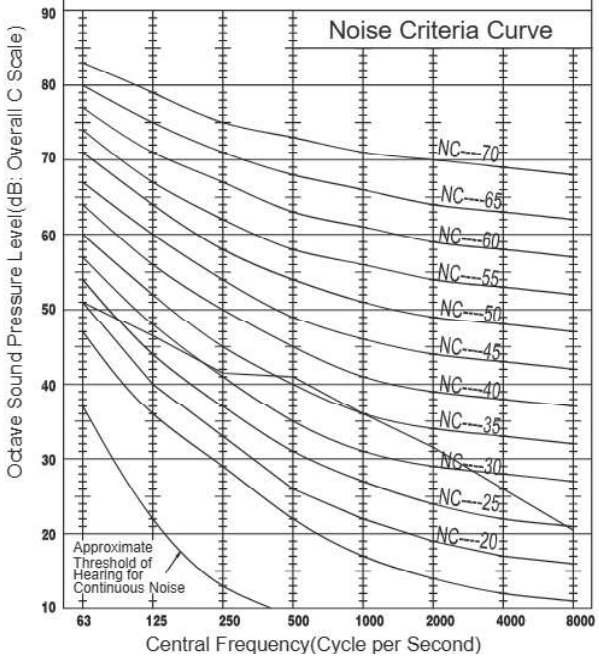
Model: RPIH-6.0HNAUB1Q | Power Supply: 220V/60Hz

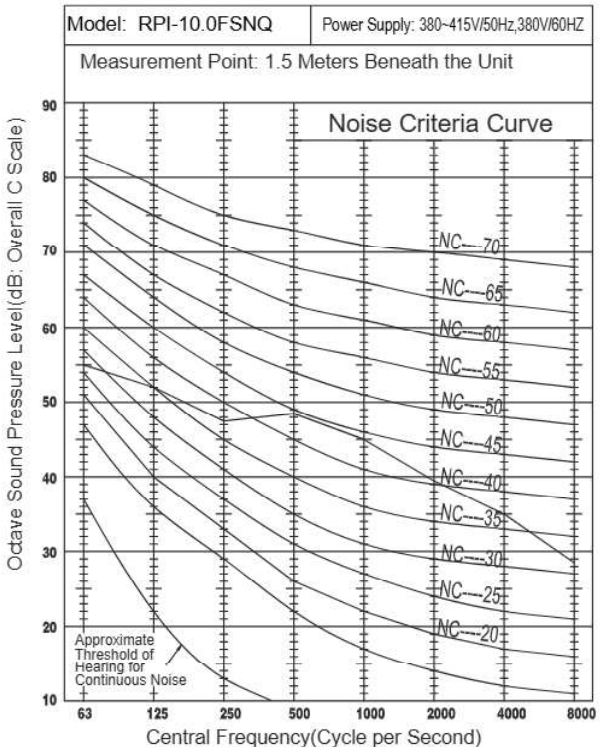
Measurement Point: 1.4 Meters Beneath the Unit

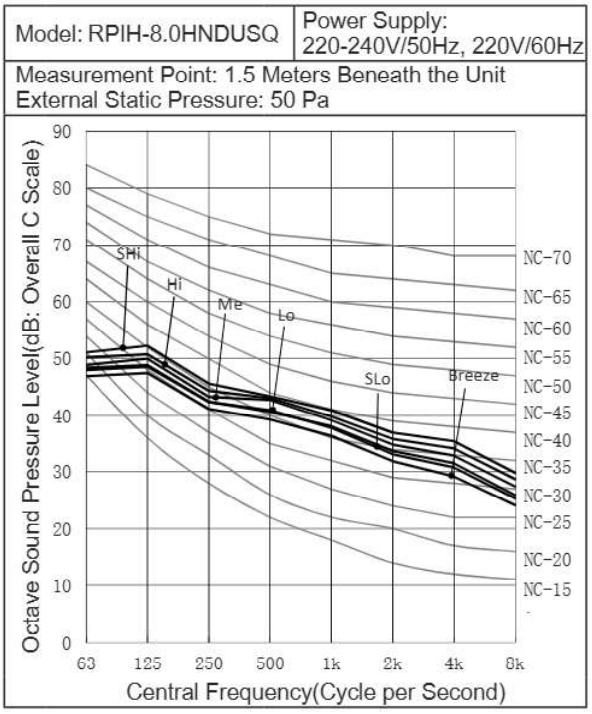


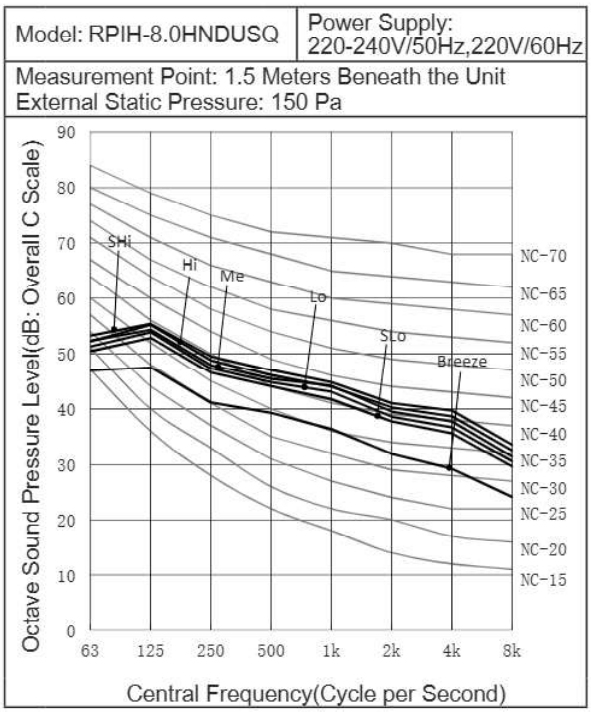
Model: RPI-8.0FSNQ | Power Supply: 380~415V/50Hz,380V/60HZ

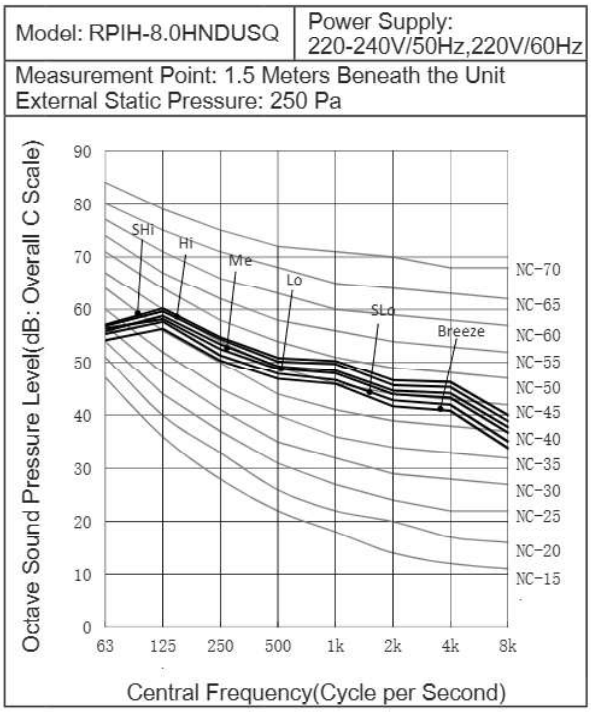
Measurement Point: 1.5 Meters Beneath the Unit




Model: RPI-10.0FSNQ
Power Supply: 380~415V/50Hz,380V/60HZ
Measurement Point: 1.5 Meters Beneath the Unit
Noise Criteria Curve
Octave Sound Pressure Level(dB: Overall C Scale)
NC---70
NC---65
NC---60
NC---55
NC---50
NC---45
NC---40
NC---35
NC---30
NC---25
NC---20
Approximate Threshold of Hearing for Continuous Noise
63 125 250 500 1000 2000 4000 8000
Central Frequency(Cycle per Second)

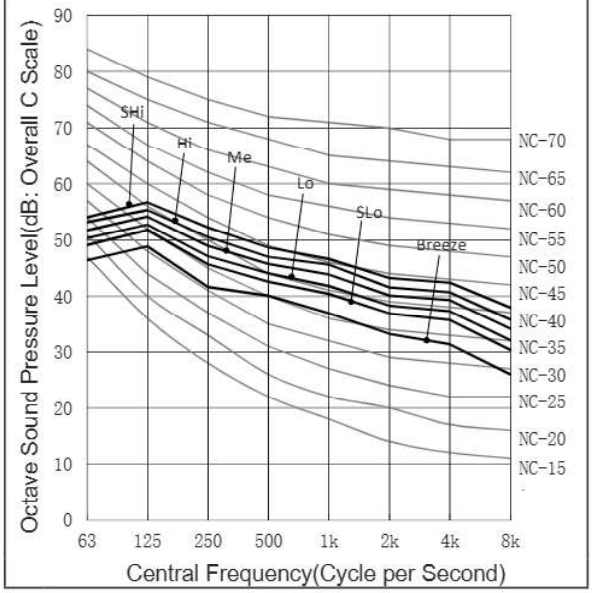

Model: RPIH-8.0HNDUSQ
Power Supply: 220-240V/50Hz, 220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
External Static Pressure: 50 Pa
Octave Sound Pressure Level(dB: Overall C Scale)
SHi
Hi
Me
Lo
SLo
Breeze
NC-70
NC-65
NC-60
NC-55
NC-50
NC-45
NC-40
NC-35
NC-30
NC-25
NC-20
NC-15
63 125 250 500 1k 2k 4k 8k
Central Frequency(Cycle per Second)


Model: RPIH-8.0HNDUSQ
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
External Static Pressure: 150 Pa
Octave Sound Pressure Level(dB: Overall C Scale)
SHi
Hi
Me
Lo
SLo
Breeze
NC-70
NC-65
NC-60
NC-55
NC-50
NC-45
NC-40
NC-35
NC-30
NC-25
NC-20
NC-15
63 125 250 500 1k 2k 4k 8k
Central Frequency(Cycle per Second)


Model: RPIH-8.0HNDUSQ
Power Supply: 220-240V/50Hz,220V/60Hz
Measurement Point: 1.5 Meters Beneath the Unit
External Static Pressure: 250 Pa
Octave Sound Pressure Level(dB: Overall C Scale)
SHi
Hi
Me
Lo
SLo
Breeze
NC-70
NC-65
NC-60
NC-55
NC-50
NC-45
NC-40
NC-35
NC-30
NC-25
NC-20
NC-15
63 125 250 500 1k 2k 4k 8k
Central Frequency(Cycle per Second)

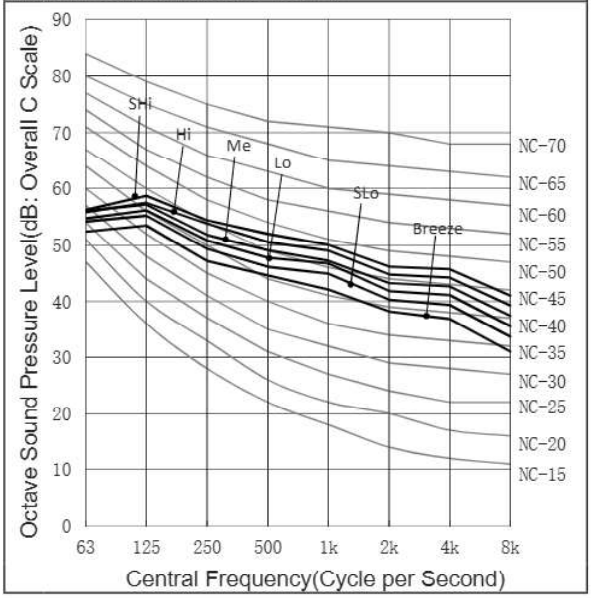
Model: RPIH-10.0HNDUSQ	Power Supply: 220-240V/50Hz, 220V/60Hz

Measurement Point: 1.5 Meters Beneath the Unit
External Static Pressure: 50 Pa



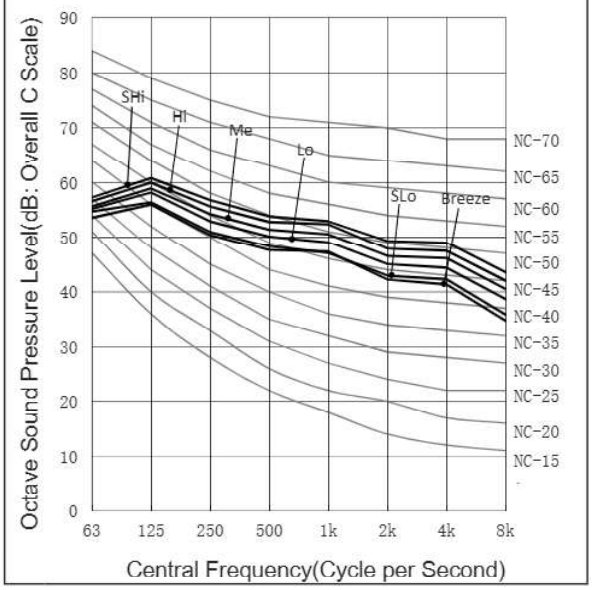
Model: RPIH-10.0HNDUSQ	Power Supply: 220-240V/50Hz,220V/60Hz

Measurement Point: 1.5 Meters Beneath the Unit
External Static Pressure: 150 Pa



Model: RPIH-10.0HNDUSQ	Power Supply: 220-240V/50Hz,220V/60Hz

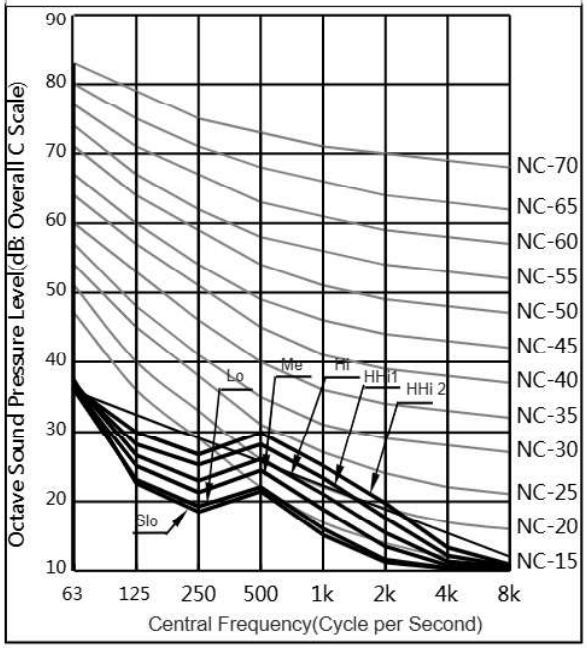
Measurement Point: 1.5 Meters Beneath the Unit
External Static Pressure: 250 Pa



Low-Height In-the-Ceiling Type

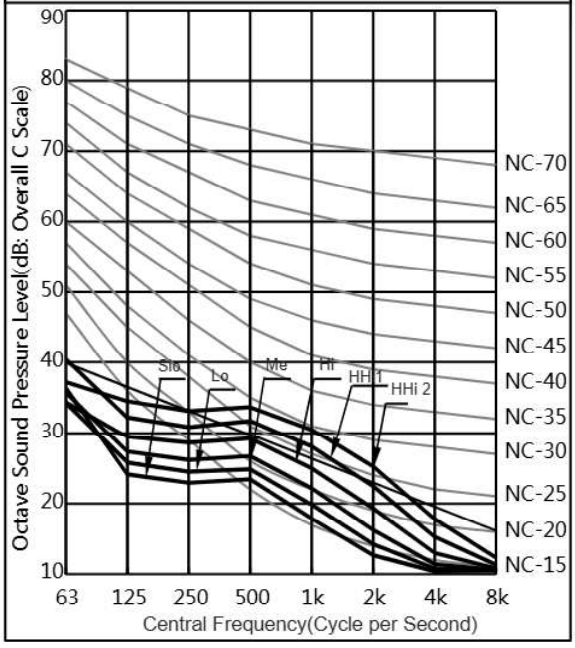
Model: RPIZ-0.8HNDTS1Q	Power Supply: 220-240V/50Hz, 220V~60Hz

Measurement Point: 1.4 Meters Beneath the Unit



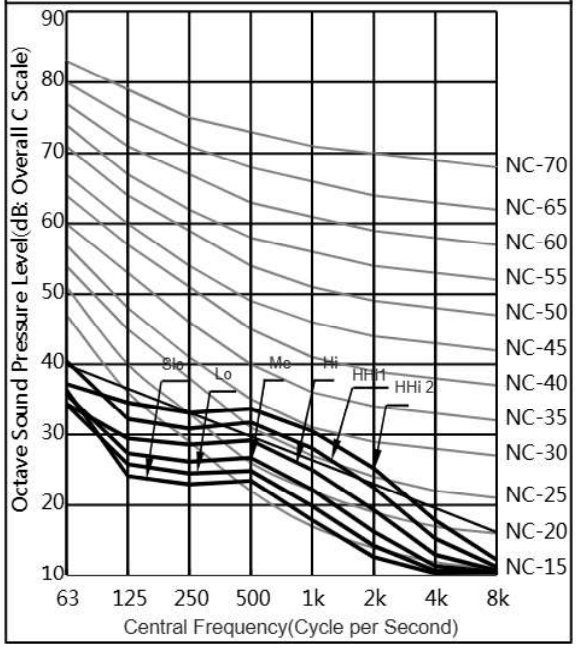
Model: RPIZ-1.0HNDTS1Q	Power Supply: 220-240V/50Hz, 220V~60Hz

Measurement Point: 1.4 Meters Beneath the Unit



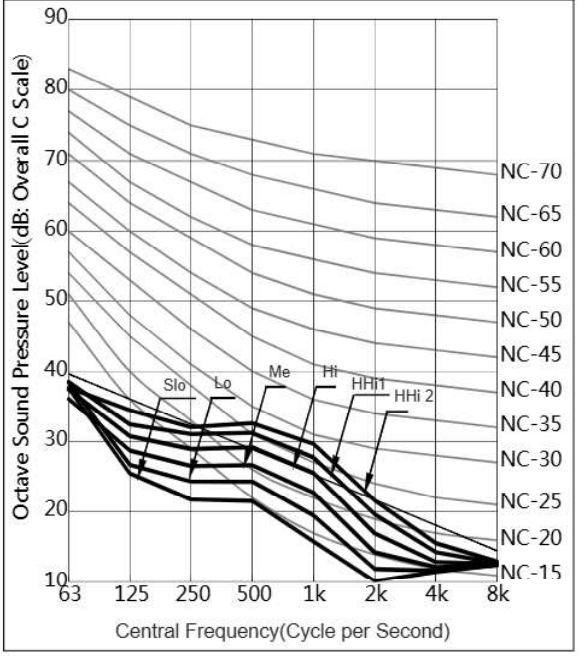
Model: RPIZ-1.3HNDTS1Q	Power Supply: 220-240V/50Hz, 220V~60Hz

Measurement Point: 1.4 Meters Beneath the Unit



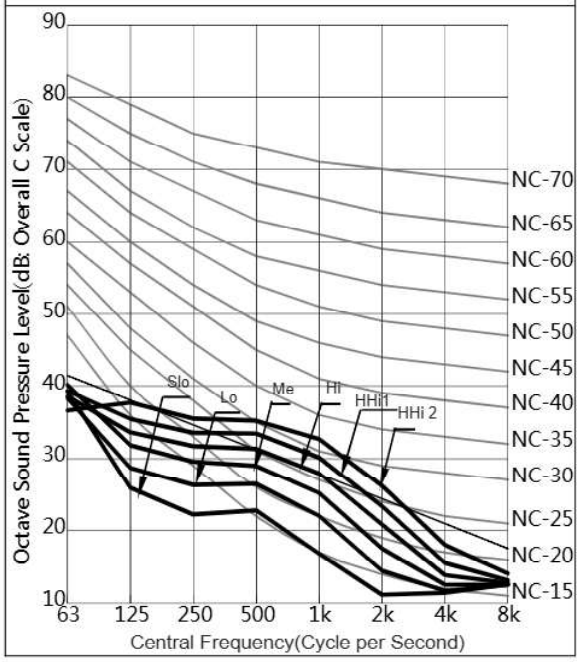
Model: RPIZ-1.5HNDTS1Q	Power Supply: 220-240V/50Hz, 220V~60Hz

Measurement Point: 1.4 Meters Beneath the Unit



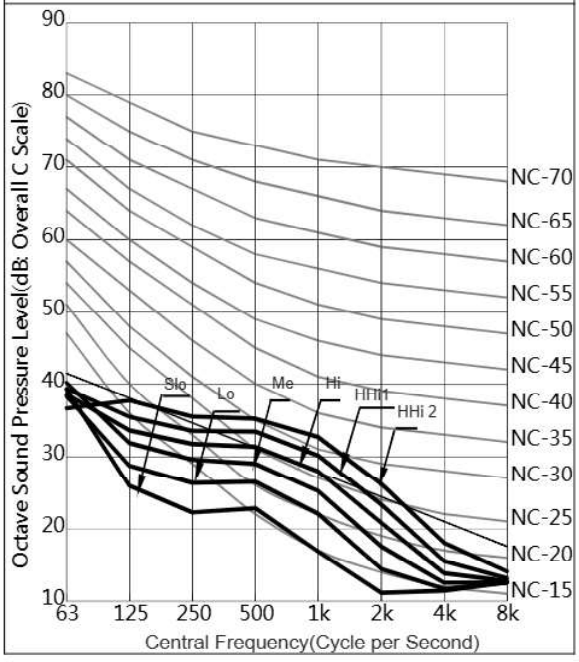
Model: RPIZ-1.8HNDTS1Q	Power Supply: 220-240V/50Hz, 220V~60Hz

Measurement Point: 1.4 Meters Beneath the Unit



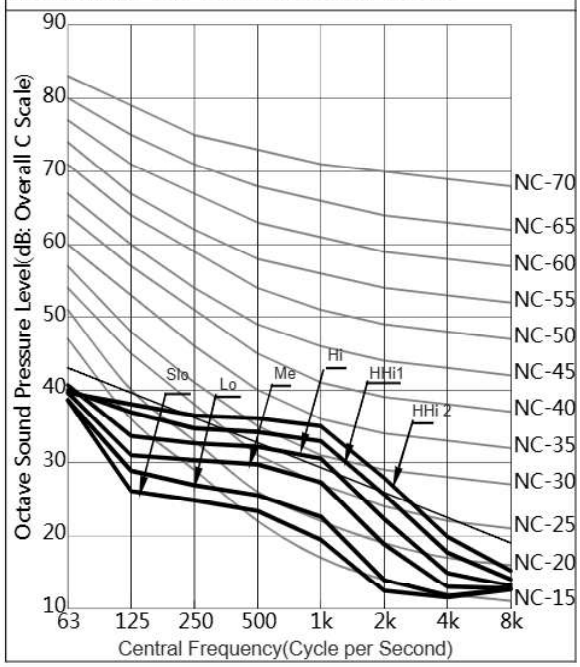
Model: RPIZ-2.0HNDTS1Q	Power Supply: 220-240V/50Hz, 220V~60Hz

Measurement Point: 1.4 Meters Beneath the Unit



Model: RPIZ-2.3HNDTS1Q	Power Supply: 220-240V/50Hz, 220V~60Hz

Measurement Point: 1.4 Meters Beneath the Unit



Model: RPIZ-2.5HNDTS1Q	Power Supply: 220-240V/50Hz, 220V~60Hz

Measurement Point: 1.4 Meters Beneath the Unit

