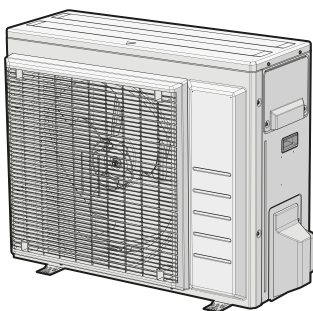


Installation manual

R32 split series



ARXM50N2V1B9
ARXM60N2V1B9
ARXM71N2V1B9

RXM42N2V1B9
RXM50N2V1B9
RXM60N2V1B9

RXM71N2V1B

RXP50M2V1B
RXP60M2V1B
RXP71M2V1B

RXA42B2V1B
RXA50B2V1B

RXF50B2V1B
RXF60B2V1B

RXF71A2V1B

RXJ50N2V1B

ARXF50A2V1B
ARXF60A2V1B
ARXF71A2V1B

- CE - DECLARACION DE CONFORMIDAD
- CE - KONFORMITÄTSSERKLÄRUNG
- CE - DICHAZONAZIONE DI CONFORMITÀ
- CE - ДИКЛОНАЭ ЦИМПАФОНДЭ
- CE - FORSKRÄNING OM SÄMVERKSTÄMMELSE

Daikin Industries Czech Republic s.r.o.

- 01 (en) declares under its sole responsibility that the air conditioning models to which this declaration relates
- 02 (en) erklärt auf seine alleinige Verantwortung, daß die Modelle der Klimaanlage für die diese Erklärung bestimmt ist:
- 03 (en) déclare sous sa seule responsabilité que les appareils dont le conditionnement réside par la présente déclaration:
- 04 (en) vyhlásí na svou vlastní odpovědnost, že zařízení, jejichž klimatizaci popisuje tato deklarační prohlášení, splňují všechny požadavky, které jsou stanoveny v technických podmínkách výrobce.
- 05 (en) declara bajo su única responsabilidad que los modelos de aire acondicionado a los cuales hace referencia a declaración:
- 06 (en) δηλώνει με την αποκλειστική του ευθύνη, ότι τα κλιματιστικά μοντέλα που αναφέρονται στην παρούσα δήλωση:
- 07 (en) ovdje izjavljam na svojom potpunoj odgovornosti da su klimatski uređaji koji su predmet ovog izjave ispunjavaju sve zahtjeve koji su navedeni u tehničkim specifikacijama proizvođača.
- 08 (en) declara sous sa seule responsabilité que les modèles de air conditionné à que essa déclaration se réfère

RXM42N2V1B, RXM50N2V1B, RXM60N2V1B, RXM71N2V1B, RXM50N2V1B, RXA42B2V1B, RXA50B2V1B,

- 01 are in conformity with the following standard(s) or other normative document(s), provided that these are used in accordance with our instructions:
- 02 (en) der oben genannten Normen (oder einem anderen Normdokument) oder 06 (en) dokumenten entspricht(en), unter der Voraussetzung, daß sie gemäß den Anweisungen eingesetzt werden.
- 03 (en) sont conformes à la(s) norme(s) ou autre(s) document(s) normatif(s), pour autant qu'ils soient utilisés conformément à ses instructions:
- 04 (en) conformes a volgend(e) norm(en) of één of meer andere bindende document(en) zijn, op voorwaarde dat ze worden gebruikt overeenkomstig onze instructies:

EN60335-2-40,

- 01 following the provisions of:
- 02 gemäß den Vorschriften der:
- 03 conformément aux stipulations des:
- 04 overeenkomstig de bepalingen van:
- 05 secondo las disposiciones de:
- 06 secondo le prescrizioni per:
- 07 je přílohy (u) daných souvisejících:
- 08 de acordo com o previsto em:
- 09 в соответствии с положениями:

- 01 "as set out in and judged positively by according to the
- 02 "as set out in the Technical Construction File and judged positively by
- 03 "Appliqué module according to the Risk
- 04 "wie in aufgeführt und von positiv beurteilt gemäß
- 05 "deleato nel e giudicato positivamente da secondo
- 06 "demeat nel File Técnico de Construção e giudicato positivamente
- 07 "Module applied) secondo Categoria
- 08 "le que défini dans au vu de la norme conformément au
- 09 "le que stipulé dans le Fichier de Construction Technique et jugé
- 10 "positivement par (Module appliqué conformément au
- 11 "Categoria de risque Se reporter également à la page
- 12 "paks vermeld in en positief beoordeeld door overeenkomstig
- 13 "paks vermeld in het Technisch Constructiebestand en
- 14 "in orde bevonden door (Pergasseite modale overeenkomstig
- 15 "Certificat Risicoanalyse Ze ook de volgende pagina
- 16 "seguite.

- 01*** H DClZ je autorizován k vyplnění Technické Konstrukční File.
- 02*** DClZ hat die Befähigung die Technische Konstruktiondatei zusammenzustellen.
- 03*** DClZ est autorisé à compléter le Dossier de Construction technique.
- 04*** DClZ je svěřeno omnitel Technisn Constructiebestand samen te stellen.
- 05*** DClZ je autorizován k vyplnění Archivu de Konstrukční Technisn.
- 06*** DClZ je autorizován k vyplnění H File Technisn de Ostruzione.

*DClZ = Daikin Industries Czech Republic s.r.o.

- CE - DECLARACIÓN DE CONFORMIDADE
- CE - ЗАЯВЛЕНИЕ О СООТВЕТСТВИИ
- CE - DICHLARAZIONE DI CONFORMITÀ
- CE - ДИКЛОНАЭ ЦИМПАФОНДЭ
- CE - FORSKRÄNING OM SÄMVERKSTÄMMELSE

- 09 (en) заявляет, исключительнo под свою ответственность, что модели кондиционеров воздуха, к которым относится настоящее заявление:
- 10 (en) erklærer under enseskrav, at klimaatværet er i overensstemmelse med de tekniske dokumenter, som er nævnt i denne erklæring.
- 11 (en) déclare sur sa seule responsabilité que les appareils dont le conditionnement réside par la présente déclaration:
- 12 (en) vyhlásí na svou vlastní odpovědnost, že zařízení, jejichž klimatizaci popisuje tato deklarační prohlášení, splňují všechny požadavky, které jsou stanoveny v technických podmínkách výrobce.
- 13 (en) declara bajo su única responsabilidad que los modelos de aire acondicionado a los cuales hace referencia a declaración:
- 14 (en) δηλώνει με την αποκλειστική του ευθύνη, ότι τα κλιματιστικά μοντέλα που αναφέρονται στην παρούσα δήλωση:
- 15 (en) ovdje izjavljam na svojom potpunoj odgovornosti da su klimatski uređaji koji su predmet ovog izjave ispunjavaju sve zahtjeve koji su navedeni u tehničkim specifikacijama proizvođača.
- 16 (en) declara sous sa seule responsabilité que les modèles de air conditionné à que esse declaração se réfère

- CE - IZJAVA O SKLADNOSTI
- CE - VASTAVISEKILÄRÄUS
- CE - DICHLARAZIONE DI CONFORMITÀ
- CE - ДИКЛОНАЭ ЦИМПАФОНДЭ
- CE - FORSKRÄNING OM SÄMVERKSTÄMMELSE

- 17 (en) deklarije na vlastiti odgovornosti, da modelima klimatizatora, kojih ovo izjave odnosi:
- 18 (en) déclare sur propre responsabilité que les modèles de climatiseurs, à qui cette déclaration s'applique:
- 19 (en) deklaer under enseskrav, at klimaatværet er i overensstemmelse med de tekniske dokumenter, som er nævnt i denne erklæring.
- 20 (en) vyhlásí na svou vlastní odpovědnost, že zařízení, jejichž klimatizaci popisuje tato deklarační prohlášení, splňují všechny požadavky, které jsou stanoveny v technických podmínkách výrobce.
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- 23 (en) ovdje izjavljam na svojom potpunoj odgovornosti da su klimatski uređaji koji su predmet ovog izjave ispunjavaju sve zahtjeve koji su navedeni u tehničkim specifikacijama proizvođača.
- 24 (en) declara sous sa seule responsabilité que les modèles de air conditionné à que esse déclaration se réfère

- CE - ATTIKTES-DEKLARACIJA
- CE - ATILISTÄRÄUS
- CE - DICHLARAZIONE DI CONFORMITÀ
- CE - ДИКЛОНАЭ ЦИМПАФОНДЭ
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- CE - DICHLARAZIONE DI CONFORMITÀ
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- 24 (en) declara sous sa seule responsabilité que les modèles de air conditionné à que esse déclaration se réfère

- 21 соответствует на отдельные стандарты или другие нормативные документы, при условии, что используются согласно нашему инструкциям.
- 22 attika zeman nurodytu standartus ir (arba) kitus norminius dokumentus su sąlyga, kad yra naudojami pagal mūsų nurodymus.
- 23 tad, ja faktori atbilstis dažada noradumam, abilibi sekopšiem standartam un citen normatīvam dokumentam.
- 24 sa v zbrode s nasledovny(m) normouj(m) alebo nym(i) normativny(m) dokumentom(a), za predpokladu, že sa používajú v súlade s našimi návodmi.
- 25 ulուն, ևս նախառնա գործողունա մի քանիսն է կցվում է ազդուկի ստանդարտին և ուր նորմ երկերու երադում.
- 01 Directives as amended
- 02 Direktiven, die geändert
- 03 Directives, telles que modifiées
- 04 Richtlijn, zoals gewijzigd
- 05 Directives, según lo emendado
- 06 Directie, zoals de modificatie
- 07 Обнови, отнук доу измєновѣнѣ
- 08 Directiva, conform alterațiilor
- 09 Директива, измененно поправкими.
- 10 Direktiven, med senere ændringer
- 11 Direktiv med forbeholdninger
- 12 Direktiv med forbeholdninger
- 13 Direktiv, med forbeholdninger
- 14 i vateren zborni
- 15 Spjegica, kako je izmjenjeno
- 16 irányelvék/ek és módosítások rendelkezései
- 17 z paznesny(m) popravkami.
- 18 Direktiv, som senere er ændret
- 19 Direktiv med forbeholdninger
- 20 Direktiv med forbeholdninger
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- 24 Spjegica, kako je izmjenjeno
- 25 Irányelvék/ek és módosítások rendelkezései
- 26 Beskrivning av ändringar
- 27 z paznesny(m) popravkami.
- 28 Direktiv, som senere er ændret
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- 43 Irányelvék/ek és módosítások rendelkezései
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- 58 Direktiv med forbeholdninger
- 59 Direktiv med forbeholdninger
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- 90 Direktiv med forbeholdninger
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- 93 Spjegica, kako je izmjenjeno
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- 95 Beskrivning av ändringar
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- 98 Direktiv med forbeholdninger
- 99 Direktiv med forbeholdninger
- 100 Direktiv med forbeholdninger

- 19 "et je dočeno v in dočeno s strani v skladu s
- 20 "je dočeno v tehnični mapi in dočeno s strani uporabljen
- 21 "Appliqué module selon le Risk
- 22 "wie in aufgeführt und von positiv beurteilt gemäß
- 23 "deleato nel e giudicato positivamente da secondo
- 24 "demeat nel File Técnico de Construção e giudicato positivamente
- 25 "Module applied) secondo Categoria
- 26 "le que défini dans au vu de la norme conformément au
- 27 "le que stipulé dans le Fichier de Construction Technique et jugé
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- 33 "Certificat Risicoanalyse Ze ook de volgende pagina
- 34 "seguite.

<A>	DAIKIN.TCF.032D7/07-2018
	DEKRA (NB0344)
<C>	215986.19.0551-EMC
<D>	TCF-0004A-01
<E>	VINCOTTE nv (NB0026)
<F>	D1
<G>	—
<H>	II

- 19*** DClZ je povlašćen za sastavo detaljne i tehnično mapo.
- 20*** DClZ je ovlašten kopsanje tehničke dokumentacije.
- 21*** DClZ je ovlašten za izradu tehničke i tehničke dokumentacije.
- 22*** DClZ je ovlašten za izradu tehničke i tehničke dokumentacije.
- 23*** DClZ je ovlašten za izradu tehničke i tehničke dokumentacije.
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- 25*** DClZ je ovlašten za izradu tehničke i tehničke dokumentacije.

*DClZ = Daikin Industries Czech Republic s.r.o.

CE - DECLARATION OF CONFORMITY
CE - KONFORMITÄTSEKILÄRNING
CE - DICHLARAZIONE DI CONFORMITÀ
CE - ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ
CE - FORSKRIFTER OM SAMSVAR
CE - ERKLÄRUNG ÜBER ÜBEREINSTIMMUNG
CE - ЗАЯВЛЕНИЕ О СООТВЕТСТВИИ
CE - LIIVIITUS VÄRNIKUKASJUHUSTAS
CE - DEKLARACJA ZGODNOŚCI
CE - ДЕКЛАРАЦІЯ ПРО ВІДПОВІДНІСТЬ
CE - ATTIKTES,DEKLARACJA
CE - ATILISTĪBAS,DEKLARĀCIJA
CE - VYHLÁŠENÍ ZKODY
CE - UYGUNLUK BEYANI

01 continuation of previous page;
02 Fortsätning der vorherigen Seite;
03 suite de la page précédente;
04 vervolg van vorige pagina;
05 continuación de la página anterior;
06 Fortsättning der vorherigen Seite;
07 avigleba evo nvn nponononv n obov;
08 continuation of the page anterior;
09 продолжение предыдущей страницы;
10 forstättning från föregående sida;

01 Design Specifications of the models to which this declaration relates;
02 Konstruktionsdaten der Modelle auf die sich diese Erklärung bezieht;
03 Specifications of conception des modèles auxquels se rapporte cette déclaration;
04 Omvæpningsspecifikationer van de modellen waarop deze verklaring betrekking heeft;
05 Especificaciones de diseño de los modelos a los cuales hace referencia esta declaración;
06 Specificite di progetto dei modelli cui fa riferimento la presente dichiarazione;

01 - Maximum allowable pressure (PS): <N> (bar)
- Minimum maximum allowable temperature (TS);
- Minimum temperature at low pressure side <L> (°C)
- Minimum temperature corresponding with the maximum allowable pressure (PS): <M> (°C)
- Refrigerant: <R>
- Setting of pressure safety device: <P> (bar)
- Manufacturing number and manufacturing year: refer to model nameplate;
02 - Maximum zulässiger Druck (PS): <N> (bar)
- Minimum maximal zulässige Temperatur (TS);
- Minimum Mindesttemperatur auf der Niederdruckseite <L> (°C)
- Minimum Sättigungstemperatur bei dem maximal zulässigen Druck (PS) entspricht: <M> (°C)
- Kältemittel: <R>
- Einstellung der Druck-Schutzvorrichtung: <P> (bar)
- Herstellerungsnummer und Herstellungsjahr: siehe Typenschild des Modells

03 - Pressure maxima admissible (PS): <N> (bar)
- Temperature minimum maximum admissible (TS);
- Minimum température minimum côté basse pression: <L> (°C)
- Minimum maximale admissible (PS): <M> (°C)
- Minimum Température de saturation correspondante à la pression maximale admissible (PS): <M> (°C)
- Réfrigérant: <R>
- Réglage du dispositif de sécurité de pression: <P> (bar)
- Numéro de fabrication et année de fabrication: se reporter à la petite signature du modèle

04 - Maximum bearbare druck (PS): <N> (bar)
- Minimumniedrigste zulässige Temperatur (TS);
- Minimumniedrigste Temperatur bei dem niedrigsten mit der maximal bearbare druck (PS): <M> (°C)
- Kältemittel: <R>
- Einstellung der Druck-Schutzvorrichtung: <P> (bar)
- Fabrikationsnummer und Fabrikationsjahr: siehe Nameplatt Modell

05 - Pressure maxima admissible (PS): <N> (bar)
- Temperature minimum maximum admissible (TS);
- Minimum température minimum côté basse pression: <L> (°C)
- Minimum maximale admissible (PS): <M> (°C)
- Minimum Température de saturation correspondante à la pression maximale admissible (PS): <M> (°C)
- Réfrigérant: <R>
- Réglage du dispositif de sécurité de pression: <P> (bar)
- Numéro de fabrication et année de fabrication: se reporter à la petite signature du modèle

06 - Nome e indirizzo dell'Ente notificatore che ha trascritto la conformità alla Direttiva sulle apparecchiature a pressione: <D>
07 Druha adresa del organo notifikator, koje avlaio formalno potvrđenoj conformidade com a diretiva sobre equipamentos pressurizados: <D>
08 Name e morada do organismo notificador, que avlaio formalmente a conformidade com a diretiva sobre equipamentos pressurizados: <D>
09 Название и адрес органа технического регулирования, принявшего нотификационное решение о соответствии Директивы о оборудовании под давлением: <D>

01 Name and address of the Notified body that judged positively on compliance with the Pressure Equipment Directive: <D>
02 Name and address der Organen Stelle, die positiv unter Einhaltung der Druck-Richtlinie urteilt: <D>
03 Name and address of the organism notified qui a évalué positivement la conformité à la directive sur l'équipement de pression: <D>
04 Name and adres van de aangewezen instantie die positief geoordeeld heeft over de conformiteit met de richtlijn Drukapparatuur: <D>
05 Nombre y dirección de Organismo Notificado que juzgó positivamente el cumplimiento con la Directiva en materia de Equipos de Presión: <D>

01 - Najveći dopušten tlak (PS): <N> (bar)
- Najmanja maksimalna dopuštena temperatura (TS);
- Minimum temperatura na niskom pritisku: <L> (°C)
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13 Täti ilmoitusta koskevien mallien rakennuspiirustukset;
14 Specificatie designu modelu, ke kterým se vztahuje toto prohlášení;
15 Specificatie ontwerp van de modellen, waarvan deze verklaring afkomstig is;
16 A plan nylakozat tárgyat képező modellek tervezési rajzai;
17 A plan nylakozat tárgyat képező modellek tervezési rajzai;
18 Specificatie de constructie van de modellen, waarvan deze verklaring afkomstig is;
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2P518197-3D

DAIKIN INDUSTRIES CZECH REPUBLIC S.R.O.

U Nové Hospody 1/1155, 301 00 Plzeň Skvrňany,
Czech Republic

<Q> VINÇOTTE nv
Jan Oleslagerslaan 35
1800 Vilvoorde, Belgium

PS 41.7 bar
Tmin -35 °C
Tmax 63.8 °C
R32
41.7 bar

24. Název a adresa certifikačního úřadu, který klauze posudil zhotovilo směrnicí pro tlakové zařízení: <D>
25. Basissp. Technische Drieklinie ugnukuk, hussamita durnu oboak degelerlendirilim Organizayimn kurulusun ad ve adresi: <D>

19. ime in naslov organa za ugotavljanje skladnosti, ki je pozitivno ocenil skladnost z Direktivo o tlaku: <D>
20. Značilnost Direktive o tlaku: <D>
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Table of Contents

1	About the documentation	14
1.1	About this document.....	14
2	About the box	14
2.1	Outdoor unit.....	14
2.1.1	To remove the accessories from the outdoor unit.....	14
3	Preparation	14
3.1	Preparing the installation site	14
3.1.1	Installation site requirements of the outdoor unit	15
3.1.2	Additional installation site requirements of the outdoor unit in cold climates	15
3.1.3	Refrigerant piping length and height difference	15
4	Installation	15
4.1	Mounting the outdoor unit.....	15
4.1.1	To provide the installation structure	15
4.1.2	To install the outdoor unit.....	16
4.1.3	To provide drainage	16
4.2	Connecting the refrigerant piping	16
4.2.1	To connect the refrigerant piping to the outdoor unit ..	16
4.3	Checking the refrigerant piping	16
4.3.1	To check for leaks.....	16
4.3.2	To perform vacuum drying.....	17
4.4	Charging refrigerant	17
4.4.1	About charging refrigerant	17
4.4.2	About the refrigerant	17
4.4.3	To determine the additional refrigerant amount.....	18
4.4.4	To determine the complete recharge amount.....	18
4.4.5	To charge additional refrigerant.....	18
4.4.6	To fix the fluorinated greenhouse gases label	18
4.5	Connecting the electrical wiring.....	18
4.5.1	Specifications of standard wiring components.....	19
4.5.2	To connect the electrical wiring on the outdoor unit....	19
4.6	Finishing the outdoor unit installation	20
4.6.1	To finish the outdoor unit installation	20
5	Commissioning	20
5.1	Checklist before commissioning	20
5.2	Checklist during commissioning	20
5.3	To perform a test run.....	20
6	Troubleshooting	20
6.1	Fault diagnosis using LED on outdoor unit PCB	20
7	Disposal	21
8	Technical data	21
8.1	Wiring diagram	21
8.1.1	Unified wiring diagram legend.....	21
8.2	Piping diagram	22
8.2.1	Piping diagram: Outdoor unit.....	22

1 About the documentation

1.1 About this document



INFORMATION

Make sure that the user has the printed documentation and ask him/her to keep it for future reference.

Target audience

Authorised installers

Documentation set

This document is part of a documentation set. The complete set consists of:

- **General safety precautions:**
 - Safety instructions that you **MUST** read before installing
 - Format: Paper (in the box of the outdoor unit)
- **Outdoor unit installation manual:**
 - Installation instructions
 - Format: Paper (in the box of the outdoor unit)
- **Installer reference guide:**
 - Preparation of the installation, reference data,...
 - Format: Digital files on <http://www.daikineurope.com/support-and-manuals/product-information/>

Latest revisions of the supplied documentation may be available on the regional Daikin website or via your dealer.

The original documentation is written in English. All other languages are translations.

Technical engineering data

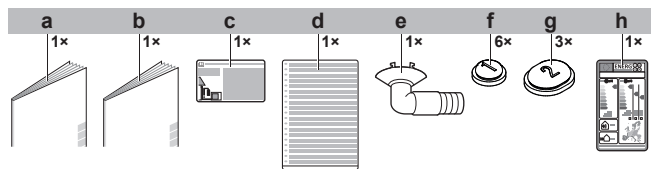
- A **subset** of the latest technical data is available on the regional Daikin website (publicly accessible).
- The **full set** of latest technical data is available on the Daikin Business Portal (authentication required).

2 About the box

2.1 Outdoor unit

2.1.1 To remove the accessories from the outdoor unit

- 1 Lift the outdoor unit.
- 2 Remove the accessories at the bottom of the package.



- a General safety precautions
- b Outdoor unit installation manual
- c Fluorinated greenhouse gases label
- d Multilingual fluorinated greenhouse gases label
- e Drain plug (located on the bottom of the packing case)
- f Drain cap (1)
- g Drain cap (2)
- h Energy label

3 Preparation

3.1 Preparing the installation site

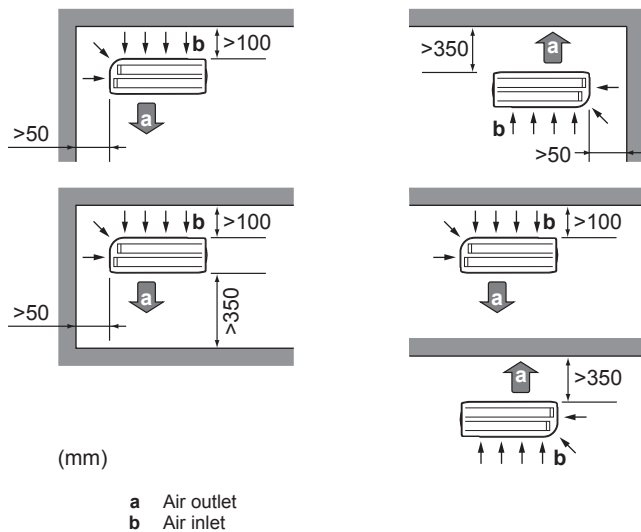


WARNING

The appliance shall be stored in a room without continuously operating ignition sources (example: open flames, an operating gas appliance or an operating electric heater).

3.1.1 Installation site requirements of the outdoor unit

Mind the following spacing guidelines:



NOTICE

The height of the wall on the outlet side of the outdoor unit MUST be ≤ 1200 mm.

Do NOT install the unit in sound sensitive areas (e.g. near a bedroom), so that the operation noise will cause no trouble.

Note: If the sound is measured under actual installation conditions, the measured value might be higher than the sound pressure level mentioned in "Sound spectrum" in the data book due to environmental noise and sound reflections.

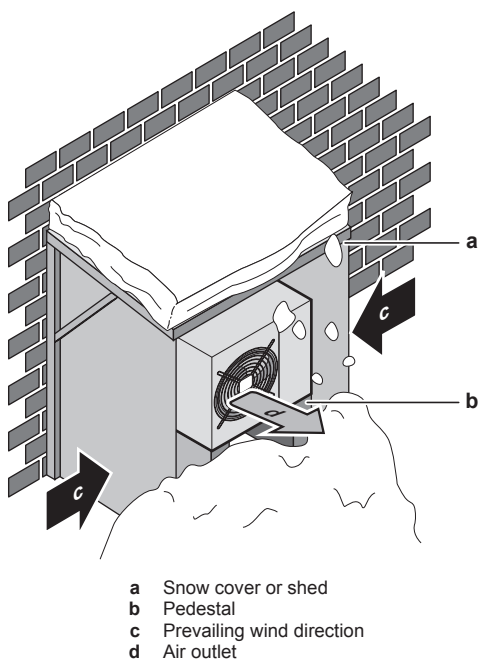


INFORMATION

The sound pressure level is less than 70 dBA.

3.1.2 Additional installation site requirements of the outdoor unit in cold climates

Protect the outdoor unit against direct snowfall and take care that the outdoor unit is NEVER snowed up.



It is recommended to provide at least 150 mm of free space below the unit (300 mm for heavy snowfall areas). Additionally, make sure the unit is positioned at least 100 mm above the maximum expected level of snow. If necessary, construct a pedestal. See "4.1 Mounting the outdoor unit" [p 15] for more details.

In heavy snowfall areas it is very important to select an installation site where the snow will NOT affect the unit. If lateral snowfall is possible, make sure that the heat exchanger coil is NOT affected by the snow. If necessary, install a snow cover or shed and a pedestal.

3.1.3 Refrigerant piping length and height difference

What?	Distance
Maximum allowable pipe length	30 m
Minimum allowable pipe length	3 m
Maximum allowable height distance	20 m

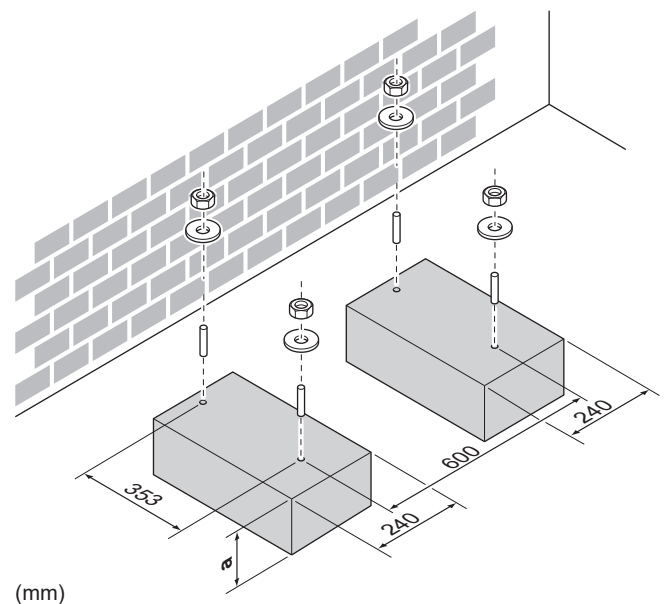
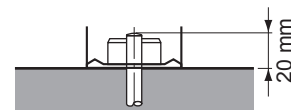
4 Installation

4.1 Mounting the outdoor unit

4.1.1 To provide the installation structure

Use a vibration-proof rubber (field supply) in cases where vibrations may be transmitted to the building.

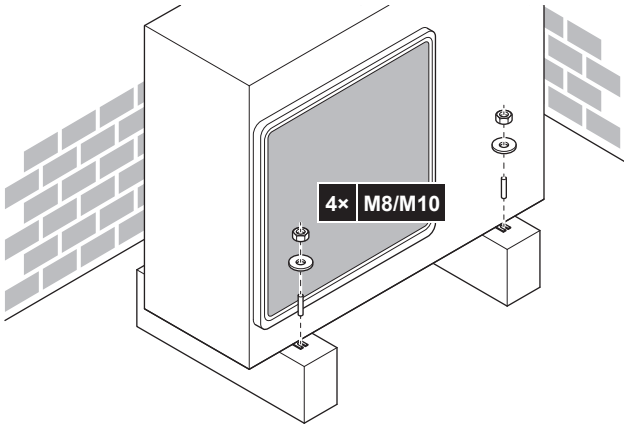
Prepare 4 sets of M8 or M10 anchor bolts, nuts and washers (field supply).



a 100 mm above expected level of snow

4 Installation

4.1.2 To install the outdoor unit



4.1.3 To provide drainage

NOTICE

If the unit is installed in a cold climate, take adequate measures so that the evacuated condensate CANNOT freeze.

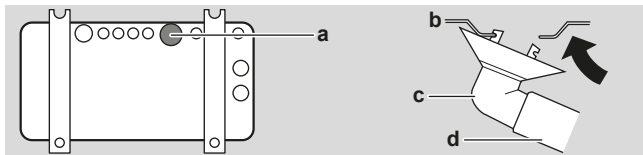
NOTICE

If the drain holes of the outdoor unit are blocked up by a mounting base or floor surface, place additional foot bases ≤ 30 mm under the outdoor unit's feet.

INFORMATION

For information on the available options, contact your dealer.

- 1 Use a drain plug for drainage.
- 2 Use a $\varnothing 16$ mm hose (field supply).



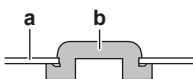
- a Drain port
- b Bottom frame
- c Drain plug
- d Hose (field supply)

To close the drain holes and attach the drain socket

NOTICE

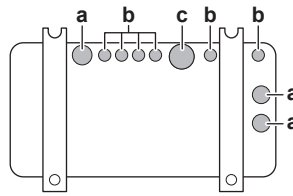
In cold areas, do NOT use a drain socket, hose and caps (1, 2) with the outdoor unit. Take adequate measures so that the evacuated condensate CANNOT freeze.

- 1 Install drain caps 1 and 2 (accessory). Make sure the edges of the drain caps close off the holes completely.



- a Bottom frame
- b Drain cap

- 2 Install the drain socket.



- a Drain hole. Install a drain cap (2).
- b Drain hole. Install a drain cap (1).
- c Drain hole for drain socket

4.2 Connecting the refrigerant piping



DANGER: RISK OF BURNING

4.2.1 To connect the refrigerant piping to the outdoor unit

- **Piping length.** Keep field piping as short as possible.
- **Piping protection.** Protect the field piping against physical damage.



WARNING

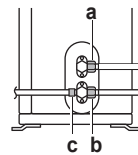
Connect the refrigerant piping securely before running the compressor. If the refrigerant piping is NOT connected and the stop valve is open when the compressor is run, air will be sucked in. This will cause abnormal pressure in the refrigeration cycle, which may result in equipment damage and even injury.



CAUTION

- Use the flare nut fixed to the unit.
- To prevent gas leakage, apply refrigeration oil only to the inside of the flare. Use refrigeration oil for R32.
- Do NOT reuse joints.

- 1 Connect the liquid refrigerant connection from the indoor unit to the liquid stop valve of the outdoor unit.



- a Liquid stop valve
- b Gas stop valve
- c Service port

- 2 Connect the gas refrigerant connection from the indoor unit to the gas stop valve of the outdoor unit.



NOTICE

It is recommended that the refrigerant piping between indoor and outdoor unit is installed in a ducting or the refrigerant piping is wrapped with finishing tape.

4.3 Checking the refrigerant piping

4.3.1 To check for leaks



NOTICE

Do NOT exceed the unit's maximum working pressure (see "PS High" on the unit name plate).



NOTICE

Make sure to use a recommended bubble test solution from your wholesaler. Do not use soap water, which may cause cracking of flare nuts (soap water may contain salt, which absorbs moisture that will freeze when the piping gets cold), and/or lead to corrosion of flared joints (soap water may contain ammonia which causes a corrosive effect between the brass flare nut and the copper flare).

- 1 Charge the system with nitrogen gas up to a gauge pressure of at least 200 kPa (2 bar). It is recommended to pressurize to 3000 kPa (30 bar) in order to detect small leaks.
- 2 Check for leaks by applying the bubble test solution to all connections.
- 3 Discharge all nitrogen gas.

4.3.2 To perform vacuum drying



DANGER: RISK OF EXPLOSION

Do NOT start the unit if it is vacuumed.

- 1 Vacuum the system until the pressure on the manifold indicates -0.1 MPa (-1 bar).
- 2 Leave as is for 4-5 minutes and check the pressure:

If the pressure...	Then...
Does not change	There is no moisture in the system. This procedure is finished.
Increases	There is moisture in the system. Go to the next step.

- 3 Vacuum the system for at least 2 hours to a manifold pressure of -0.1 MPa (-1 bar).
- 4 After turning the pump OFF, check the pressure for at least 1 hour.
- 5 If you do NOT reach the target vacuum or CANNOT maintain the vacuum for 1 hour, do the following:
 - Check for leaks again.
 - Perform vacuum drying again.



NOTICE

Make sure to open the stop valves after installing the refrigerant piping and performing vacuum drying. Running the system with the stop valves closed may break the compressor.

4.4 Charging refrigerant

4.4.1 About charging refrigerant

The outdoor unit is factory charged with refrigerant, but in some cases the following might be necessary:

What	When
Charging additional refrigerant	When the total liquid piping length is more than specified (see later).
Completely recharging refrigerant	Example: <ul style="list-style-type: none"> ▪ When relocating the system. ▪ After a leak.

Charging additional refrigerant

Before charging additional refrigerant, make sure the outdoor unit's **external** refrigerant piping is checked (leak test, vacuum drying).



INFORMATION

Depending on the units and/or the installation conditions, it might be necessary to connect electrical wiring before you can charge refrigerant.

Typical workflow – Charging additional refrigerant typically consists of the following stages:

- 1 Determining if and how much you have to charge additionally.
- 2 If necessary, charging additional refrigerant.
- 3 Filling in the fluorinated greenhouse gases label, and fixing it to the inside of the outdoor unit.

Completely recharging refrigerant

Before completely recharging refrigerant, make sure the following is done:

- 1 All refrigerant is recovered from the system.
- 2 The outdoor unit's **external** refrigerant piping is checked (leak test, vacuum drying).
- 3 Vacuum drying on the outdoor unit's **internal** refrigerant piping is performed.



NOTICE

Before completely recharging, perform vacuum drying on the outdoor unit's **internal** refrigerant piping as well.

Typical workflow – Completely recharging refrigerant typically consists of the following stages:

- 1 Determining how much refrigerant to charge.
- 2 Charging refrigerant.
- 3 Filling in the fluorinated greenhouse gases label, and fixing it to the inside of the outdoor unit.

4.4.2 About the refrigerant

This product contains fluorinated greenhouse gases. Do NOT vent gases into the atmosphere.

Refrigerant type: R32

Global warming potential (GWP) value: 675



WARNING: FLAMMABLE MATERIAL

The refrigerant inside this unit is mildly flammable.



WARNING

The appliance shall be stored in a room without continuously operating ignition sources (example: open flames, an operating gas appliance or an operating electric heater).



WARNING

- Do NOT pierce or burn refrigerant cycle parts.
- Do NOT use cleaning materials or means to accelerate the defrosting process other than those recommended by the manufacturer.
- Be aware that the refrigerant inside the system is odourless.

4 Installation

WARNING

The refrigerant inside the unit is mildly flammable, but normally does NOT leak. If the refrigerant leaks in the room and comes in contact with fire from a burner, a heater, or a cooker, this may result in fire, or the formation of a harmful gas.

Turn off any combustible heating devices, ventilate the room, and contact the dealer where you purchased the unit.

Do NOT use the unit until a service person confirms that the part from which the refrigerant leaked has been repaired.

4.4.3 To determine the additional refrigerant amount

For ARXM71N	
If the total liquid piping length is...	Then...
≤10 m	Do NOT add additional refrigerant.
>10 m	R=(total length (m) of liquid piping-10 m)×0.035 R=Additional charge (kg) (rounded in units of 0.01 kg)

For other outdoor units	
If the total liquid piping length is...	Then...
≤10 m	Do NOT add additional refrigerant.
>10 m	R=(total length (m) of liquid piping-10 m)×0.020 R=Additional charge (kg) (rounded in units of 0.01 kg)

INFORMATION

Piping length is the one-way length of liquid piping.

4.4.4 To determine the complete recharge amount

INFORMATION

If a complete recharge is necessary, the total refrigerant charge is: the factory refrigerant charge (see unit name plate) + the determined additional amount.

4.4.5 To charge additional refrigerant

WARNING

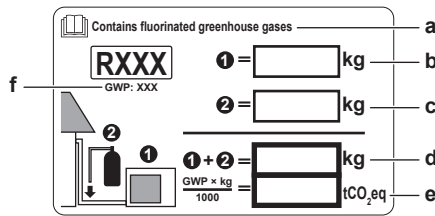
- Only use R32 as refrigerant. Other substances may cause explosions and accidents.
- R32 contains fluorinated greenhouse gases. Its global warming potential (GWP) value is 675. Do NOT vent these gases into the atmosphere.
- When charging refrigerant, ALWAYS use protective gloves and safety glasses.

Prerequisite: Before charging refrigerant, make sure the refrigerant piping is connected and checked (leak test and vacuum drying).

- Connect the refrigerant cylinder to the service port.
- Charge the additional refrigerant amount.
- Open the gas stop valve.

4.4.6 To fix the fluorinated greenhouse gases label

- Fill in the label as follows:



- If a multilingual fluorinated greenhouse gases label is delivered with the unit (see accessories), peel off the applicable language and stick it on top of a.
- Factory refrigerant charge: see unit name plate
- Additional refrigerant amount charged
- Total refrigerant charge
- Quantity of fluorinated greenhouse gases** of the total refrigerant charge expressed as tonnes CO₂ equivalent.
- GWP = Global warming potential

NOTICE

Applicable legislation on **fluorinated greenhouse gases** requires that the refrigerant charge of the unit is indicated both in weight and CO₂ equivalent.

Formula to calculate the quantity in CO₂ equivalent tonnes: GWP value of the refrigerant × total refrigerant charge [in kg] / 1000

Use the GWP value mentioned on the refrigerant charge label. That GWP is based on the current legislation on fluorinated greenhouse gases. The GWP mentioned in the manual might be outdated.

- Fix the label on the inside of the outdoor unit near the gas and liquid stop valves.

4.5 Connecting the electrical wiring

DANGER: RISK OF ELECTROCUTION

WARNING

- All wiring MUST be performed by an authorised electrician and MUST comply with the applicable legislation.
- Make electrical connections to the fixed wiring.
- All components procured on-site and all electrical construction MUST comply with the applicable legislation.

WARNING

ALWAYS use multicore cable for power supply cables.

WARNING

Use an all-pole disconnection type breaker with at least 3 mm between the contact point gaps that provide full disconnection under overvoltage category III.

WARNING

If the supply cord is damaged, it MUST be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

WARNING

Do NOT connect the power supply to the indoor unit. This could result in electrical shock or fire.



WARNING

- Do NOT use locally purchased electrical parts inside the product.
- Do NOT branch the power supply for the drain pump, etc. from the terminal block. This could result in electrical shock or fire.



WARNING

Keep the interconnection wiring away from copper pipes without thermal insulation as such pipes will be very hot.



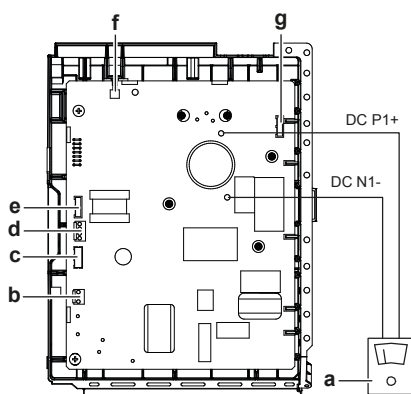
DANGER: RISK OF ELECTROCUTION

All electrical parts (including thermistors) are powered by the power supply. Do not touch them with bare hands.



DANGER: RISK OF ELECTROCUTION

Disconnect the power supply for more than 10 minutes, and measure the voltage at the terminals of main circuit capacitors or electrical components before servicing. The voltage MUST be less than 50 V DC before you can touch electrical components. For the location of the terminals, see the wiring diagram.



- a Multimeter (DC voltage range)
- b S80 – reversing solenoid valve lead wire
- c S20 – electronic expansion valve lead wire
- d S40 – thermal overload relay lead wire
- e S90 – thermistor lead wire
- f LED
- g S70 – fan motor lead wire

4.5.1 Specifications of standard wiring components

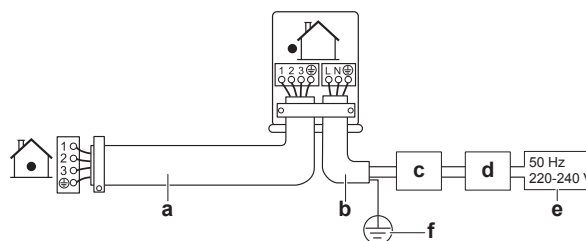
Component		
Power supply cable	Voltage	220~240 V
	Phase	1~
	Frequency	50 Hz
	Wire sizes	3-core cable 2.5 mm ² ~4.0 mm ² H05RN-F (60245 IEC 57)
Interconnection cable (indoor↔outdoor)	4-core cable 1.5 mm ² ~2.5 mm ² and applicable for 220~240 V H05RN-F (60245 IEC 57)	

Component		
Recommended circuit breaker	RXM71N	20 A ^(a)
	RXP50~71M	
	RXF50+60B	
	RXF71A	16 A
	ARXF50~71A	
	ARXM60+71N	
Earth leakage circuit breaker	RXM60N	13 A
	ARXM50N	
	RXM42+50N	
	RXA42+50B	
	RXJ50N	
Earth leakage circuit breaker	MUST comply with applicable legislation	

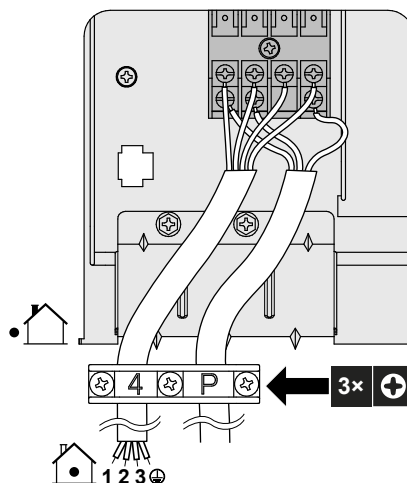
^(a) Electrical equipment complying with EN/IEC 61000-3-12 (European/International Technical Standard setting the limits for harmonic currents produced by equipment connected to public low-voltage systems with input current >16 A and ≤75 A per phase).

4.5.2 To connect the electrical wiring on the outdoor unit

- Remove the switch box cover.
- Open the wire clamp.
- Connect the interconnection cable and power supply as follows:



- a Interconnection cable
- b Power supply cable
- c Circuit breaker
- d Earth leakage circuit breaker
- e Power supply
- f Earth



- Tighten the terminal screws securely. We recommend using a Phillips screwdriver.
- Install the switch box cover.

5 Commissioning

4.6 Finishing the outdoor unit installation

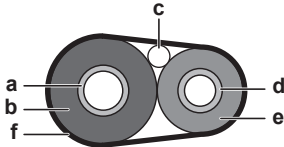
4.6.1 To finish the outdoor unit installation



DANGER: RISK OF ELECTROCUTION

- Make sure that the system is earthed properly.
- Turn off the power supply before servicing.
- Install the switch box cover before turning on the power supply.

- 1 Insulate and fix the refrigerant piping and interconnection cable as follows:



- a Gas pipe
- b Gas pipe insulation
- c Interconnection cable
- d Liquid pipe
- e Liquid pipe insulation
- f Finishing tape

- 2 Install the service cover.

5 Commissioning



NOTICE

ALWAYS operate the unit with thermistors and/or pressure sensors/switches. If NOT, burning of the compressor might be the result.

5.1 Checklist before commissioning

After the installation of the unit, first check the items listed below. Once all checks are fulfilled, the unit must be closed. Power-up the unit after it is closed.

<input type="checkbox"/>	The indoor unit is properly mounted.
<input type="checkbox"/>	The outdoor unit is properly mounted.
<input type="checkbox"/>	The system is properly earthed and the earth terminals are tightened.
<input type="checkbox"/>	The power supply voltage matches the voltage on the identification label of the unit.
<input type="checkbox"/>	There are NO loose connections or damaged electrical components in the switch box.
<input type="checkbox"/>	There are NO damaged components or squeezed pipes on the inside of the indoor and outdoor units.
<input type="checkbox"/>	There are NO refrigerant leaks .
<input type="checkbox"/>	The refrigerant pipes (gas and liquid) are thermally insulated.
<input type="checkbox"/>	The correct pipe size is installed and the pipes are properly insulated.
<input type="checkbox"/>	The stop valves (gas and liquid) on the outdoor unit are fully open.
<input type="checkbox"/>	The following field wiring has been carried out according to this document and the applicable legislation between the outdoor unit and the indoor unit.

<input type="checkbox"/>	Drainage Make sure drainage flows smoothly. Possible consequence: Condensate water might drip.
<input type="checkbox"/>	The indoor unit receives the signals of the user interface .
<input type="checkbox"/>	The specified wires are used for the interconnection cable .
<input type="checkbox"/>	The fuses, circuit breakers , or locally installed protection devices are installed according to this document, and have NOT been bypassed.

5.2 Checklist during commissioning

<input type="checkbox"/>	To perform an air purge .
<input type="checkbox"/>	To perform a test run .

5.3 To perform a test run

Prerequisite: Power supply MUST be in the specified range.

Prerequisite: Test run may be performed in cooling or heating mode.

Prerequisite: Test run should be performed in accordance with the operation manual of the indoor unit to make sure that all functions and parts are working properly.

- 1 In cooling mode, select the lowest programmable temperature. In heating mode, select the highest programmable temperature. Test run can be disabled if necessary.
- 2 When the test run is finished, set the temperature to a normal level. In cooling mode: 26~28°C, in heating mode: 20~24°C.
- 3 The system stops operating 3 minutes after the unit is turned OFF.



INFORMATION

- Even if the unit is turned OFF, it consumes electricity.
- When the power turns back on after a power break, the previously selected mode will be resumed.

6 Troubleshooting

6.1 Fault diagnosis using LED on outdoor unit PCB

LED is...	Diagnosis
flashing	Normal. <ul style="list-style-type: none"> Check the indoor unit.
ON	<ul style="list-style-type: none"> Turn the power OFF and back ON, and check the LED within approximately 3 minutes. If the LED is ON again, the outdoor unit PCB is faulty.
OFF	<ol style="list-style-type: none"> Supply voltage (for power saving). Power supply fault. Turn the power OFF and back ON, and check the LED within approximately 3 minutes. If the LED is OFF again, the outdoor unit PCB is faulty.

**DANGER: RISK OF ELECTROCUTION**

- When the unit is not operating, the LEDs on the PCB are turned off in order to save power.
- Even when the LEDs are off, the terminal block and the PCB may be powered.

7 Disposal

**NOTICE**

Do NOT try to dismantle the system yourself: dismantling of the system, treatment of the refrigerant, oil and other parts MUST comply with applicable legislation. Units MUST be treated at a specialised treatment facility for reuse, recycling and recovery.

8 Technical data

- A **subset** of the latest technical data is available on the regional Daikin website (publicly accessible).
- The **full set** of latest technical data is available on the Daikin Business Portal (authentication required).

8.1 Wiring diagram

The wiring diagram is delivered with the unit, located inside of the outdoor unit (bottom side of the top plate).

8.1.1 Unified wiring diagram legend

For applied parts and numbering, refer to the wiring diagram on the unit. Part numbering is by Arabic numbers in ascending order for each part and is represented in the overview below by "*" in the part code.

Symbol	Meaning	Symbol	Meaning
	Circuit breaker		Protective earth
	Connection		Protective earth (screw)
	Connector		Rectifier
	Earth		Relay connector
	Field wiring		Short-circuit connector
	Fuse		Terminal
	Indoor unit		Terminal strip
	Outdoor unit		Wire clamp

Symbol	Colour	Symbol	Colour
BLK	Black	ORG	Orange
BLU	Blue	PNK	Pink
BRN	Brown	PRP, PPL	Purple
GRN	Green	RED	Red
GRY	Grey	WHT	White
		YLW	Yellow

Symbol	Meaning
A*P	Printed circuit board
BS*	Pushbutton ON/OFF, operation switch
BZ, H*O	Buzzer

Symbol	Meaning
C*	Capacitor
AC*, CN*, E*, HA*, HE*, HL*, HN*, HR*, MR*_A, MR*_B, S*, U, V, W, X*A, K*R*_*	Connection, connector
D*, V*D	Diode
DB*	Diode bridge
DS*	DIP switch
E*H	Heater
FU*, F*U, (for characteristics, refer to PCB inside your unit)	Fuse
FG*	Connector (frame ground)
H*	Harness
H*P, LED*, V*L	Pilot lamp, light emitting diode
HAP	Light emitting diode (service monitor green)
HIGH VOLTAGE	High voltage
IES	Intelligent eye sensor
IPM*	Intelligent power module
K*R, KCR, KFR, KHuR, K*M	Magnetic relay
L	Live
L*	Coil
L*R	Reactor
M*	Stepper motor
M*C	Compressor motor
M*F	Fan motor
M*P	Drain pump motor
M*S	Swing motor
MR*, MRCW*, MRM*, MRN*	Magnetic relay
N	Neutral
n=*, N=*	Number of passes through ferrite core
PAM	Pulse-amplitude modulation
PCB*	Printed circuit board
PM*	Power module
PS	Switching power supply
PTC*	PTC thermistor
Q*	Insulated gate bipolar transistor (IGBT)
Q*DI	Earth leak circuit breaker
Q*L	Overload protector
Q*M	Thermo switch
R*	Resistor
R*T	Thermistor
RC	Receiver
S*C	Limit switch
S*L	Float switch
S*NPH	Pressure sensor (high)
S*NPL	Pressure sensor (low)
S*PH, HPS*	Pressure switch (high)
S*PL	Pressure switch (low)
S*T	Thermostat
S*RH	Humidity sensor
S*W, SW*	Operation switch
SA*, F1S	Surge arrester
SR*, WLU	Signal receiver
SS*	Selector switch

8 Technical data

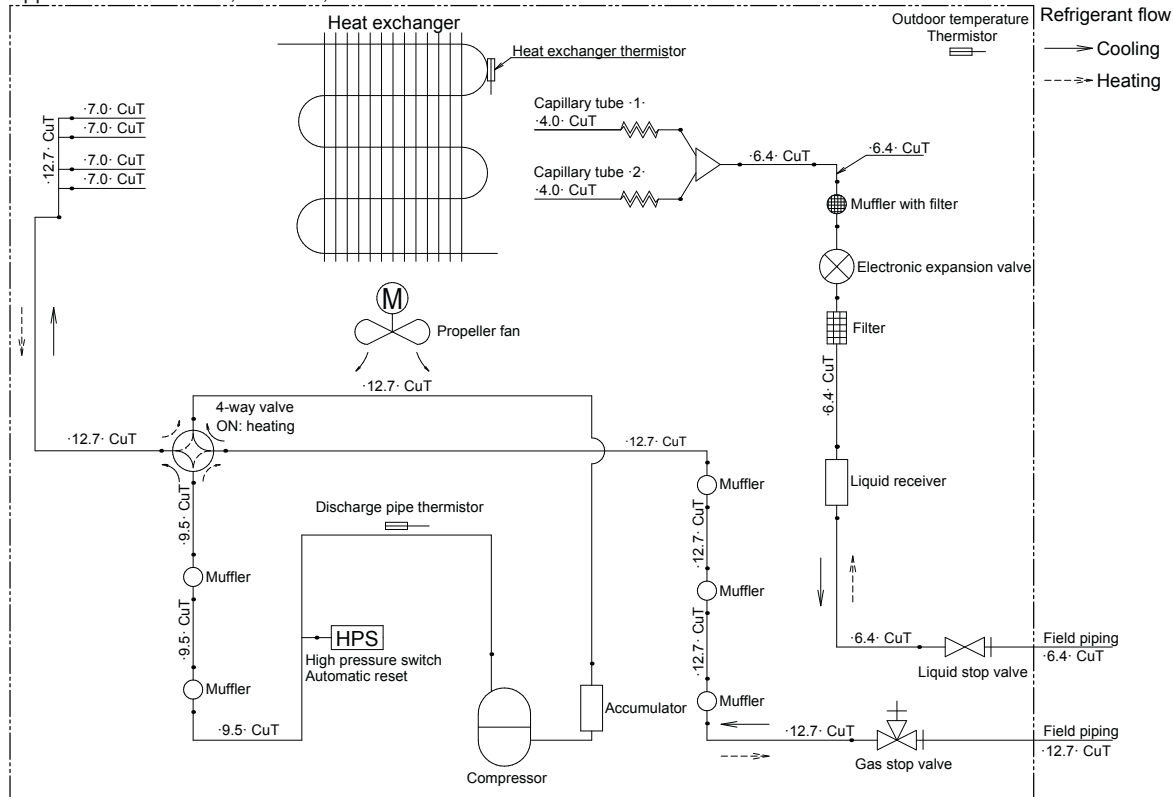
Symbol	Meaning
SHEET METAL	Terminal strip fixed plate
T*R	Transformer
TC, TRC	Transmitter
V*, R*V	Varistor
V*R	Diode bridge
WRC	Wireless remote controller

Symbol	Meaning
X*	Terminal
X*M	Terminal strip (block)
Y*E	Electronic expansion valve coil
Y*R, Y*S	Reversing solenoid valve coil
Z*C	Ferrite core
ZF, Z*F	Noise filter

8.2 Piping diagram

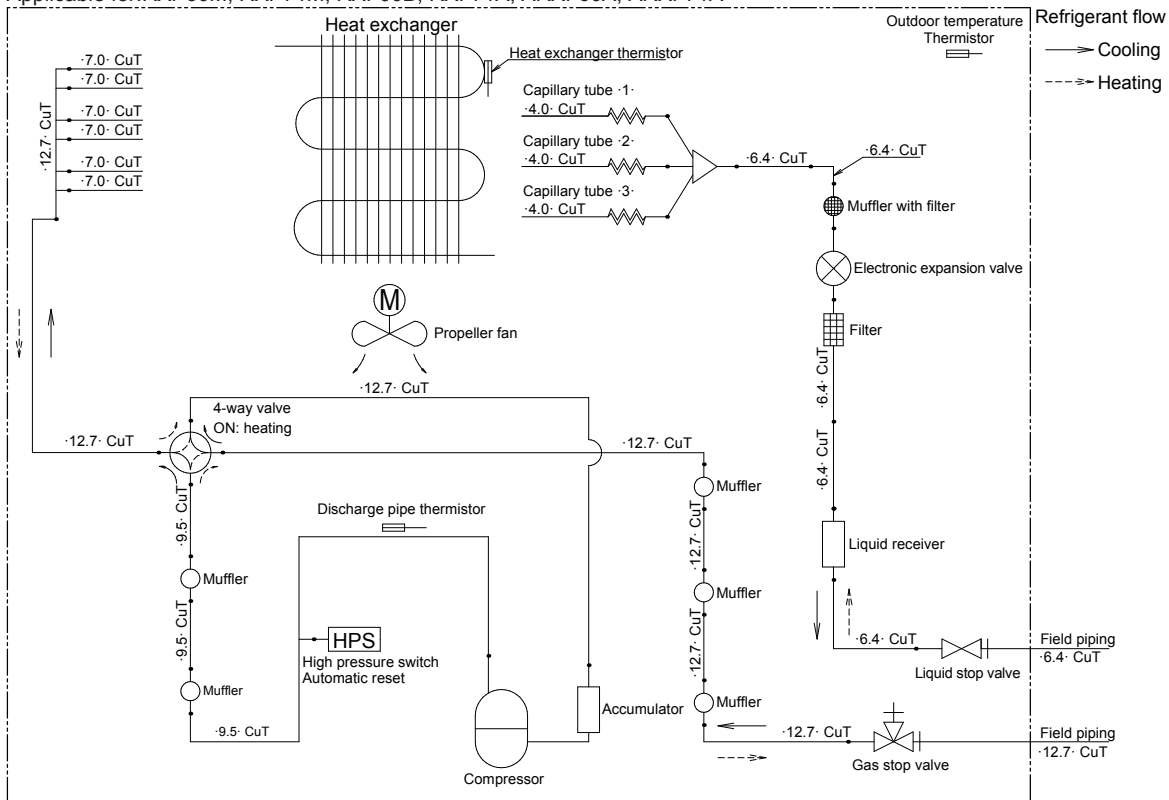
8.2.1 Piping diagram: Outdoor unit

Applicable for: RXP50M, RXF50B, ARXF50A



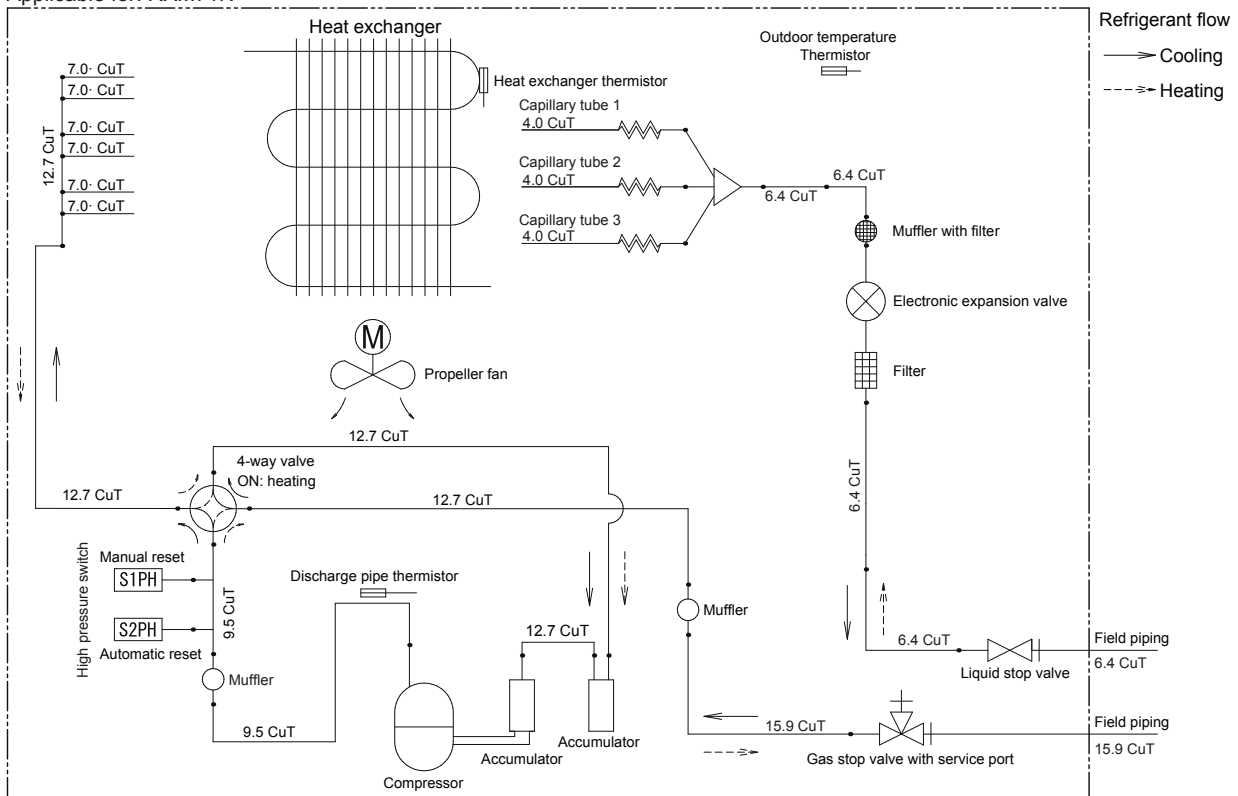
PED categories of equipment – High pressure switch: category IV; Compressor: category II; Other equipment: art. 4§3.

Applicable for: RXP60M, RXP71M, RXF60B, RXF71A, ARXF60A, ARXF71A



PED categories of equipment – High pressure switch: category IV; Compressor: category II; Other equipment: art. 4§3.

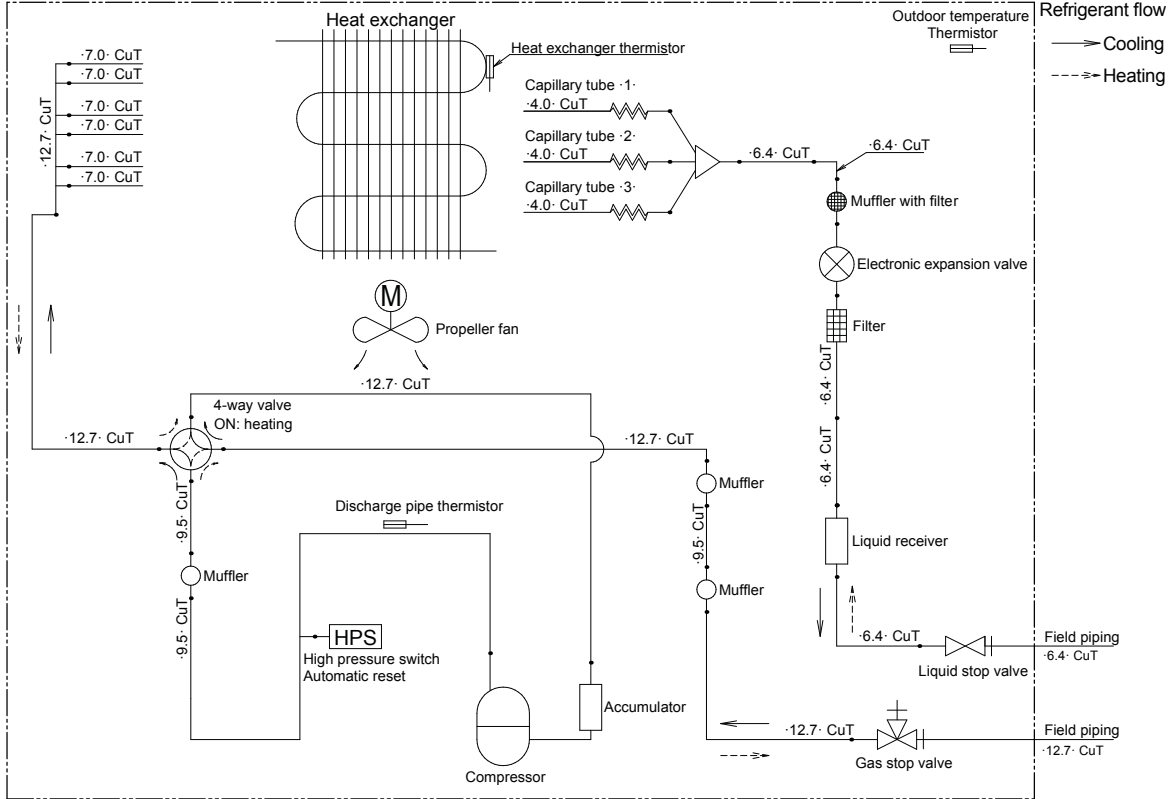
Applicable for: RXM71N



PED categories of equipment – High pressure switch: category IV; Compressor: category II; Other equipment: art. 4§3.

8 Technical data

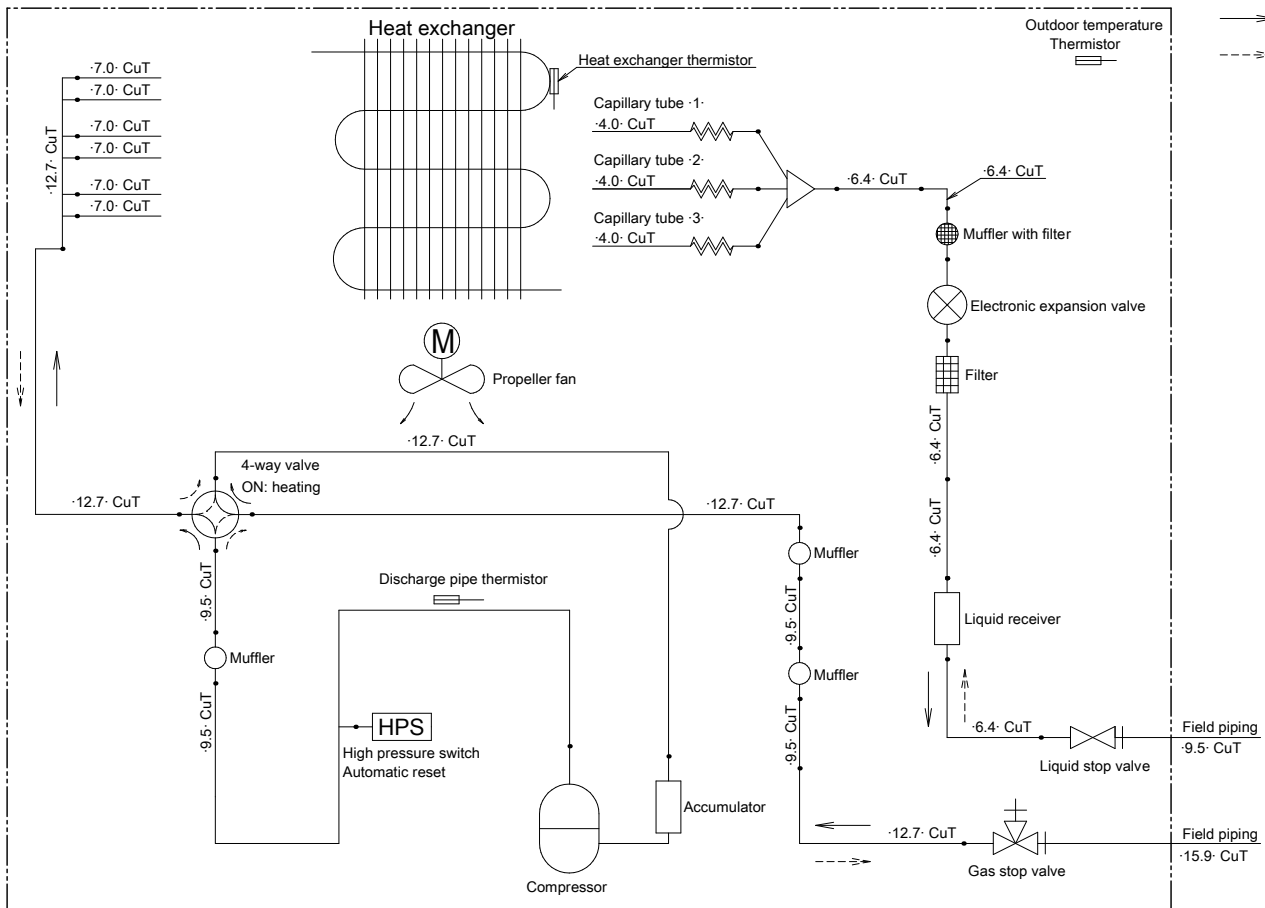
Applicable for: RXM42N, RXM50N, RXM60N, ARXM50N, ARXM60N, RXJ50N, RXA42B, RXA50B



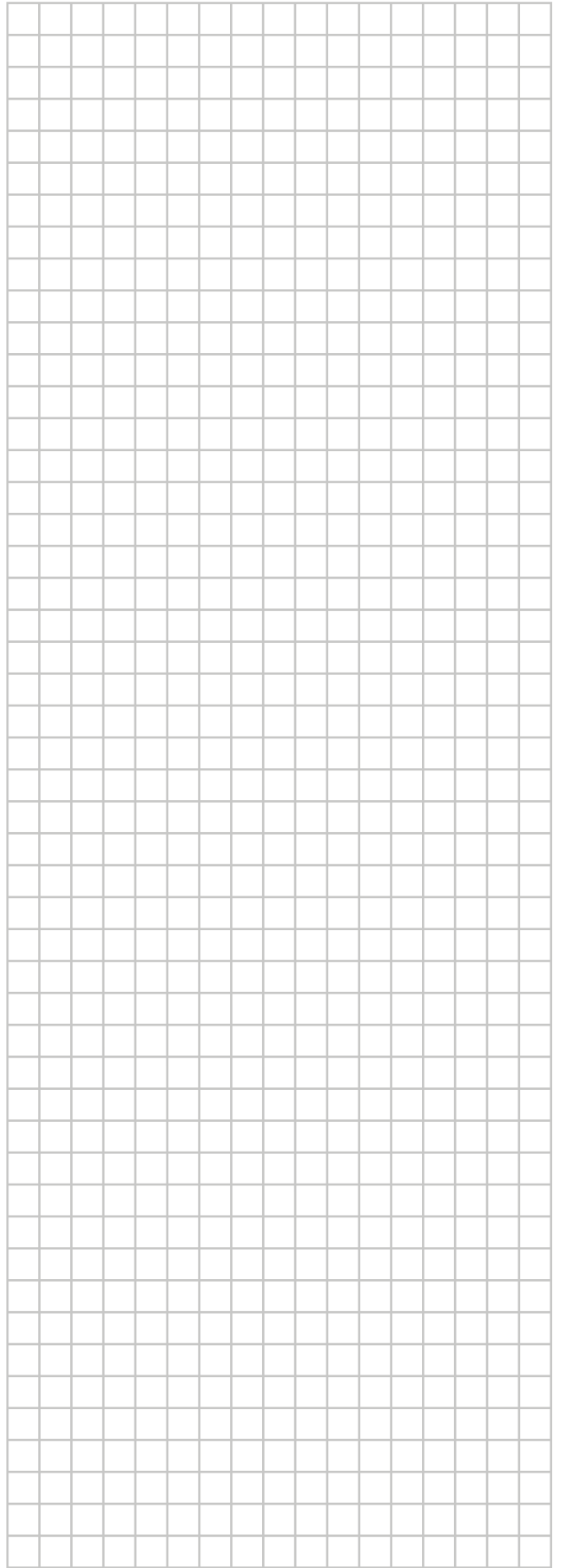
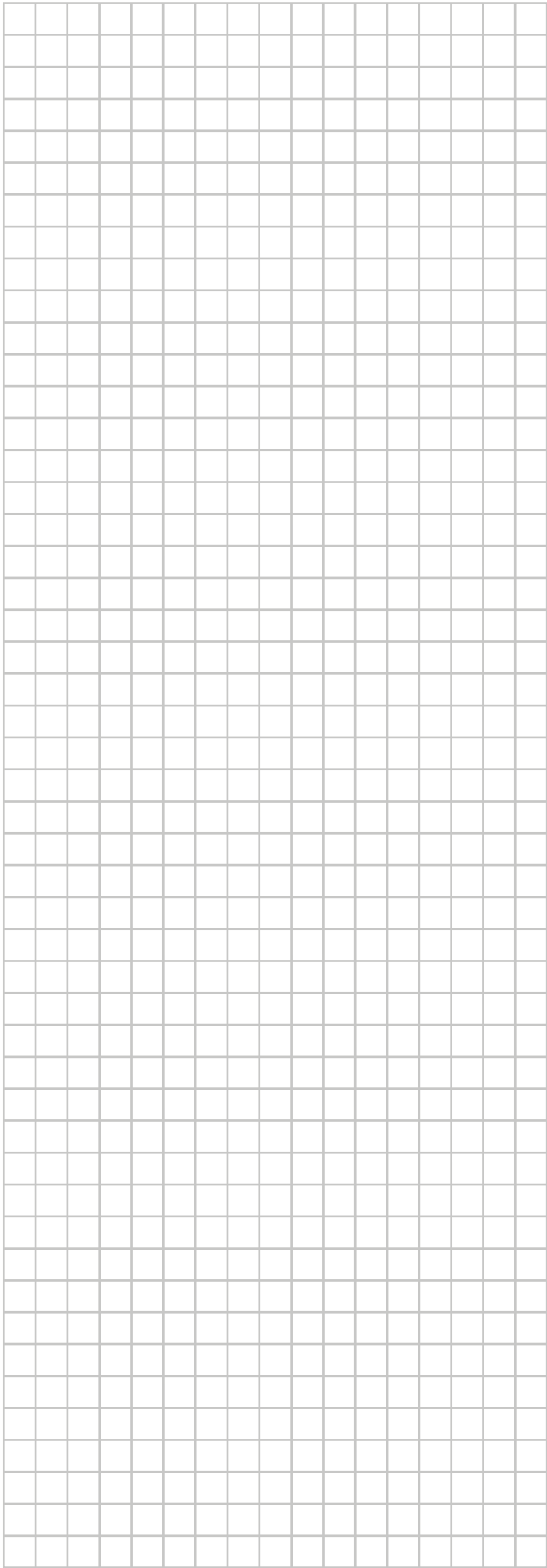
PED categories of equipment – High pressure switch: category IV; Compressor: category II; Other equipment: art. 4§3.

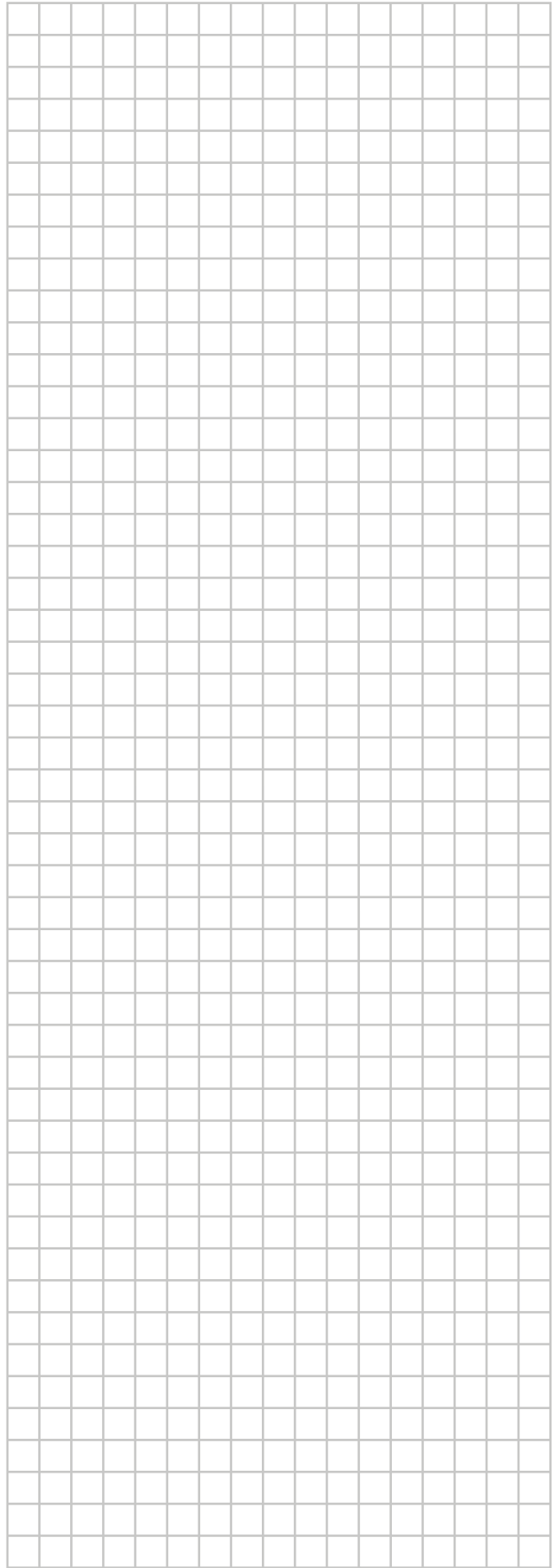
Applicable for: ARXM71N

Outdoor unit



PED categories of equipment – High pressure switch: category IV; Compressor: category II; Other equipment: art. 4§3.







ERC



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3P512025-6Q 2019.12