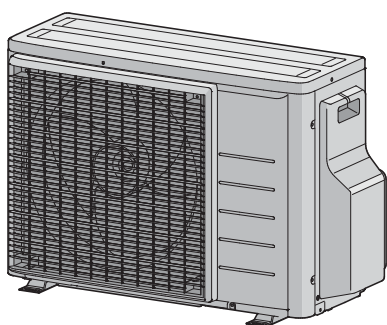




Installation manual

R32 Split series



2AMXM40M4V1B9
2AMXM50M4V1B9
2AMXF40A2V1B
2AMXF50A2V1B
2MXF40A2V1B
2MXF50A2V1B
2MXM40N2V1B9
2MXM50N2V1B9

Installation manual
R32 Split series

English

[illegible]

Daikin Industries Czech Republic s.r.o.

- 01 declares under its sole responsibility that the air conditioning models to which this declaration relates:
02
03 erklärt auf seine alleinige Verantwortung, daß die Modelle der Klimaanlage für die diese Erklärung bestimmt ist
04
05 déclare sous sa seule responsabilité que les appareils d'air conditionné, visés par la présente déclaration,
06
07 verklaart hierbij op eigen exclusieve verantwoordelijkheid, dat de airconditioning units waarop deze verklaring betrekking heeft:
08
09 deklaara bajo su única responsabilidad que los modelos de aire acondicionado a los cuales hace referencia la declaración:
10
11 dichiara sotto sua responsabilità che i condizionatori modello a cui è riferita questa dichiarazione:
12
13 объявляет на свою исключительную ответственность, что модели кондиционеров, к которым относится
14
15 эта декларация, являются:

- [illegible]

- [illegible]

2AMXF50A2V1B,

- | | | | |
|----|--|----|---|
| 01 | are in conformity with the following standard(s) or other normative document(s), provided that these are used in accordance with our instructions: | 05 | están en conformidad con la(s) siguiente(s) norma(s) u otro(s) documento(s) normativo(s), siempre que sean utilizados de acuerdo con nuestras instrucciones: |
| 02 | den deken (volgens Normen) oder einen anderen Normdokument oder -dokumenten entspricht/en, unter der Voraussetzung, daß sie gemäß unseren Anweisungen eingesetzt werden: | 06 | son conform al (seguiente(s) estándar(s) u otro(s) documento(s)) a cartilone normativo, a pată ce vengano asat în conformitate ale noastre instrucţiuni: |
| 03 | conformes à la(s) norme(s) ou autre(s) document(s) normatif(s), pour autant qu'ils soient utilisés conformément à nos instructions: | 07 | эти документы соответствуют нормам (и другим документам) в соответствии с нашими инструкциями: |
| 04 | conforme de volgende norm(en) of één of meer andere bindende documenten zijn, op voorwaarde dat ze worden gebruikt overeenkomstig onze instructies: | 08 | estão em conformidade com a(s) seguinte(s) norma(s) ou outro(s) documento(s) normativo(s), desde que estes sejam utilizados de acordo com as nossas instruções: |

EN60335-2-40,

- | | | | |
|----|--|----|---|
| 01 | following the provisions of: | 01 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 02 | gemäß den Vorschriften der: | 02 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 03 | conformément aux dispositions des: | 03 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 04 | overeenkomstig de bepalingen van: | 04 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 05 | siguendo las disposiciones de: | 05 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 06 | secondo le prescrizioni per: | 06 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 07 | je třetího vývozního tvař: | 07 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 08 | de acordo com o previsto em: | 08 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 09 | в соответствии с положениями: | 09 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 10 | under iakttagelse af bestämmelserne i: | 10 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 11 | enligt villkoren i bestämmelserna i: | 11 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 12 | giंत नियमों में निश्चयित है: | 12 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 13 | noudatelní ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru | 13 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 14 | za održen izlaza iz države: | 14 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 15 | kmeti odredbeni: | 15 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 16 | premi alazi: | 16 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 17 | zgodnje z poslovanjem in Direktiv: | 17 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 18 | in urma prevederilor: | 18 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 19 | do ustrojenja države: | 19 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 20 | crtajenim uslovima: | 20 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 21 | crtajenim uslovima: | 21 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 22 | crtajenim uslovima: | 22 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 23 | crtajenim uslovima: | 23 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 24 | crtajenim uslovima: | 24 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 25 | crtajenim uslovima: | 25 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 26 | crtajenim uslovima: | 26 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 27 | crtajenim uslovima: | 27 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 28 | crtajenim uslovima: | 28 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 29 | crtajenim uslovima: | 29 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 30 | crtajenim uslovima: | 30 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 31 | crtajenim uslovima: | 31 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 32 | crtajenim uslovima: | 32 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 33 | crtajenim uslovima: | 33 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 34 | crtajenim uslovima: | 34 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 35 | crtajenim uslovima: | 35 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 36 | crtajenim uslovima: | 36 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 37 | crtajenim uslovima: | 37 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 38 | crtajenim uslovima: | 38 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 39 | crtajenim uslovima: | 39 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 40 | crtajenim uslovima: | 40 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 41 | crtajenim uslovima: | 41 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 42 | crtajenim uslovima: | 42 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 43 | crtajenim uslovima: | 43 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 44 | crtajenim uslovima: | 44 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 45 | crtajenim uslovima: | 45 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 46 | crtajenim uslovima: | 46 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 47 | crtajenim uslovima: | 47 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 48 | crtajenim uslovima: | 48 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 49 | crtajenim uslovima: | 49 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 50 | crtajenim uslovima: | 50 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 51 | crtajenim uslovima: | 51 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 52 | crtajenim uslovima: | 52 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 53 | crtajenim uslovima: | 53 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 54 | crtajenim uslovima: | 54 | podľa ustanovení zákona č. 132/2000 Z.z. o vývoze a dovoze tovaru |
| 55 | crtajenim uslovima: | 55 | podľa ustanovení zákona č. 132/2000 Z.z. o vývo |

- 01 * as set uit in <> and judged positively by <> according to the **Certificat** <>
 * as set uit in the Technical Construction File <> and judged positively by <>
 * <> Applied module <> according to the **Certificat** <>. Risk category <>. Also refer to next page.
- 02 * wie <> ausgeführt und von <> positiv beurteilt gemäß **Zertifikat** <>
 * wie in der Technischen Konstruktionsakte <> aufgeführt und von <> (Angewandtes Modul <>) positiv ausgezeichnet positiv ausgezeichnet gemäß **Zertifikat** <>. Risikoart <>. Siehe auch nächste Seite.
- 03 * tel que défini dans <> et évalué positivement par <> conformément au **Certificat** <>
 * tel que stipulé dans le Fichier de Construction Technique <> et jugé positivement par <> (Module à appliquer) <> conformément au **Certificat** <>. Catégorie de risque <>. Se reporter également à la page suivante.
- 04 zoals vermeld in <> en positief beoordeeld door <> overeenkomstig **Certificaat** <>
 * zoals vermeld in het Technisch Constructiedossier <> en in orde bevonden door <> (Toegepaste module <>) overeenkomstig **Certificaat** <>. Risico categorie <>. Zie ook de volgende pagina.
- 05 * como se establece en <> y es valorado positivamente por <> de acuerdo con el **Certificado** <>
 * tal como se expone en el Archivo de Construcción Técnica <> y juzgado positivamente por <> (Modulo aplicado <>) según el **Certificado** <>. Categoría de riesgo <>. Consulte también la siguiente página.
- 06 * delinean na <> y juzgado positivamente da <> secondo il **Certificato** <>
 * delineato nel File Tecnico di Costruzione <> e giudicato positivamente da <> (Modulo <> applicato) secondo il **Certificato** <>. Categoria di rischio <>. Fare riferimento anche alla pagina successiva.
- 07 * kaksikokoonpano <> on käsitelty teknisessä mitto <> suojakirja mukaisesti <>
 * kokoonpanon suunnittelusta on Avoimien Teknisten Kokouskirjojen <> kautta käsitelty <> ja <> Kokousmuistioihin liittyvällä tavalla <> suojakirja mukaisesti <>. Käytettyä modulia <> koskevat tiedot löytyvät <> Kokousmuistioista <>. Katso myös seuraava sivu.
- 08 * tal como establecido en <> e o parecer positivo de <> de acordo com o **Certificado** <>
 * tal como estabelecido no Ficheiro Técnico de Construção <> e com o parecer positivo de <> (Modulo aplicado <>) de acordo com o **Certificado** <>. Categoria de risco <>. Consultar também a página seguinte.

- 01** DIC¹ is authorised to compile the Technical Construction File.
02** DIC² hat die Berechtigung die technische Konstruktionsakte zusammenzustellen.
03** DIC² est autorisé à compiler le Dossier de Construction Technique.
04** DIC² is bevoegd om het Technisch Constructiedossier samen te stellen.
05** DIC² está autorizado a compilar el Archivo de Construcción Técnica.
06** DIC² è autorizzata a redigere il File tecnico di Costruzione.

[#]DICZ = Daikin Industries Czech Republic s.r.o.

- 07** Η DICZ είναι εξουσιοδοτημένη να συντάξει τον Τεχνικό φάκελο κατασκευής.
- 08** Α DICZ está autorizada a compilar a documentação técnica de fabrico.
- 09** Компания ДИЦЗ уполномочена составить Комплект технической документации.
- 10** DICZ er autoriseret til at udarbejde de tekniske konstruktionsdata.
- 11** DICZ er bemyndigad att sammanställa den tekniska konstruktionsfilen.
- 12** DICZ har filasebe til a kompilere den Tekniske konstruktionsfilen.

- 13^o DIC² on valitultu laadima. Teknisen asiantajan.
- 14^o Společnost DIC² má oprávnění ke kompilaci souboru technické dokumentace.
- 15^o DIC² je ověřen za tržní Datoteky o technické konstrukci.
- 16^o ADIC² posouli a miszaki konstrukci's dokumentáci oszezáli.
- 17^o DIC² má upovaznenie do zberania i opracowywania dokumentu.
- 18^o DIC² este autorizat sa compileze Dosarul tehnic de constructie.

- 19th DIC² je pobiščen za sestavo daljave s temno mazo.
- 20th DIC² onvolatid kostalet temilid dokumentaci.
- 21th DIC² e onvolatid za cetrilid kra za tehniko onstruacija.
- 22th DIC² ya gilaia suatid s² temilid konstrukci.
- 23th DIC² e autorizid sasetid temilid dokumentaci.
- 24th Spodnost DIC² je opremlid vyvatid subitronid konstrukci.
- 25th DIC² temik ya Dosejnu, derleme vyatid.

- | | |
|----|--|
| 18 | Drechiolur, cu amendamentele respective. |
| 19 | Drekvie z ysmen spremeniama. |
| 20 | Drekvind loos mudaltasaga. |
| 21 | Drekvint, s tehnik izmenjena. |
| 22 | Drekvysos z papildinmais. |
| 23 | Drekvins uz papildinajumus. |
| 24 | Smerice, y platom zneni. |
| 25 | Destinatis haliyve Yonetmaiker. |

- [illegible]

- 19th DIC² je pobiščen za sestavo daljave s temno mazo.
- 20th DIC² onvolatid kostalet temilid dokumentaci.
- 21th DIC² e onvolatid za cetrilid kra za tehniko onstruacija.
- 22th DIC² ya gilaia suatid s² temilid konstrukci.
- 23th DIC² e autorizid sasetid temilid dokumentaci.
- 24th Spodnost DIC² je opremlid vyvatid subitronid konstrukci.
- 25th DIC² temik ya Dosejnu, derleme vyatid.

[illegible]

Daikin Industries Czech Republic s.r.o.

[illegible]

2MXM50N2V1B9, 2AMXM50M4V1B9,

01	are in conformity with the following standard(s) or other normative document(s), provided that these are used in accordance with our instructions:	05	están en conformidad con las siguientes normas u otros documentos(s) normativos(s), siempre que sean utilizados de acuerdo con nuestras instrucciones:
02	den (den folgenden Normen) oder einem anderen Normdokument oder -dokumenten entsprechen, unter der Voraussetzung, dass sie gemäß unseren Anweisungen eingesetzt werden:	06	son conform (ai) a (seguiente(n) standard(s) u altroi) documento(i) a caracterie normativa, a paltu che vengaro usati in conformita ale nostre istruzioni:
03	conformes à (aux normes ou autres) document(s) normatif(s), pour autant qu'ils soient utilisés conformément à nos instructions:	07	квоу відповідно до (наведених) нормативних документів (документів), якщо вони будуть використовуватись відповідно до наших інструкцій:
04	conformen zijnde norm(en) of één of meer andere bindende documenten zijnde, op voorwaarde dat ze worden gebruikt overeenkomstig onze instructies:	08	en conformidad con (a) siguiente(s) norma(s) u otro(s) documento(s) normativo(s), siempre que estos sean utilizados de acuerdo con las nuestras instrucciones:

EN60335-2-40,

1	11 following the provisions of:	10	underlagte sig af bestemmelserne i:	19	do uposlušljivo dočelo:
2	12 gemäß den Vorschriften der:	11	enligt love og:	20	vastana nõuete:
3	13 conformément aux stipulations des:	12	gitt i henhold til bestemmelserne i:	21	črepanja ugraznje na:
4	14 overeenkomstig de bepalingen van:	13	houdt aan de bepalingen:	22	lakaitis nuostai, patiekimai:
5	15 siguiendo las disposiciones de:	14	za držanje ustanovi prečišči:	23	leivotų prastab, pasiekimai:
6	16 secondo le disposizioni per:	15	priema noteikuma:	24	orazajale uslovovala:
7	17 in accordance with the provisions:	16	konstatuoti:	25	banini kigijama ir gūn darbi:
8	18 in accord con le previsioni:	17	aprašius įstatymais nustatytas:		
9	19 in conformità a disposizioni:	18	in zveha z ustanovljenimi Društva:		

001 * as set uit in and judged positively by according to the
Certificat
* as set uit in Technical Construction File and judged positively by
 Applied module according to the Certificat Risk
category Also refer to next page.
002 * was aufgeführt und von positiv beurteilt gemäß
 Zertifikat
wie in der technischen Konstruktionsdatei aufgeführt und von
(Angewandtes Modul) positiv ausgearbeitet positiv ausgearbeitet
gemäß Zertifikat Risiko-kategorie Siehe auch nächste Seite.
003 * tel que défini dans et évalué positivement par conformément au
Certificat
* tel que stipulé dans le Fichier de Construction Technique et jugé
positivement par Module appliqué conformément au Certificat
 Catégorie de risque Se reporter également à la page
suivante.
004 * zoals vermeld in en positief beoordeeld door overeenkomstig
het Certificaat
* zoals vermeld in het Technisch Constructiedossier en
in orde bevonden door (Toegesloten module overeenkomstig
het Certificaat Risicocategorie Zie ook de volgende pagina.
005 * como se establece en es valorado positivamente por
de acuerdo con el Certificado
* tal como se expone en el Archivo de Construcción Técnica
y juzgado positivamente por (Modulo aplicado) según el
Certificado Categoría de riesgo Consulte también la siguiente
pagina.
006 * testénuo nel e giudicato positivamente da secondo
il Certificato
definito nel File Tecnico di Costruzione e giudicato positivamente
da (Modulo applicato) secondo il Certificato . Categoria
di rischio Fare riferimento anche alla pagina successiva.
007 * omuk kategoriyasın ota kəndə tərtib olınmış əvvəlkiqaydətə
təhlillənmişdir
omuk "modulların tətbiqi" ota Açıqlıq Təvsiyəsi Kategoriyası qüvvədə
tərtib olunmuş Xərkətlərini müsbət rəhbərlik əvvəlkiqaydətə
təhlillənmişdir Kəmiyyətli təhlillənmələr Avstriya fəxrli
öyrənişləri üzrədir.
008 * tal como establecido en e com o parecer positivo de
de acordo com o Certificado
* tal como estabelecido no Ficheiro Técnico de Construção e com o
parecer positivo de (Módulo aplicado) de acordo com o
Certificado Categoria de risco Consultar também a página
seguinte.

01*** DIC71 is authorised to compile the Technical Construction File.
02*** DIC71 hat die Berechtigung die technische Konstruktionsakte zusammenzustellen.
03*** DIC71 est autorisé à compiler le Dossier de Construction Technique.
04*** DIC71 is bevoegd om het Technisch Constructiedossier samen te stellen.
05*** DIC71 está autorizado a compilar el Archivo de Construcción Técnica.
06*** DIC71 è autorizzata a redigere il File tecnico di Costruzione.

[#]DICz = Daikin Industries Czech Republic s.r.o.

CE - DECLARAÇÃO DE CONFORMIDADE
CE - ЗАЯВЛЕНИЕ О СООБТВТВИИ
CE - OVERENSTEMMELSEERKLÆRING
CE - FÖRSÄKRAN OM ÖVERENSTEMMELSE
CE - ERKLÆRING OM SAMSVAR
CE - ILMOITUS YHDENMUKAISUDESTA
CE - PROHLÁŠENÍ O SHODĚ

10	зависит исключительно под своим представлением, что модели кондиционеров розлива, к которым относятся настоящие заявления;
09	эксперт из «Energy» и «Самостроитель», что модели кондиционеров розлива, к которым относятся настоящие заявления;
08	декларировать, что модели кондиционеров розлива, к которым относятся настоящие заявления, являются оригинальными;
07	эксперт из «Energy» и «Самостроитель», что модели кондиционеров розлива, к которым относятся настоящие заявления, являются оригинальными;
06	эксперт из «Energy» и «Самостроитель», что модели кондиционеров розлива, к которым относятся настоящие заявления, являются оригинальными;
05	эксперт из «Energy» и «Самостроитель», что модели кондиционеров розлива, к которым относятся настоящие заявления, являются оригинальными;
04	эксперт из «Energy» и «Самостроитель», что модели кондиционеров розлива, к которым относятся настоящие заявления, являются оригинальными;
03	эксперт из «Energy» и «Самостроитель», что модели кондиционеров розлива, к которым относятся настоящие заявления, являются оригинальными;
02	эксперт из «Energy» и «Самостроитель», что модели кондиционеров розлива, к которым относятся настоящие заявления, являются оригинальными;
01	эксперт из «Energy» и «Самостроитель», что модели кондиционеров розлива, к которым относятся настоящие заявления, являются оригинальными;

09. соответствующим стандартам или другим нормативным документам, при условии их использования согласно нашим инструкциям;

10. overeenkomstig de standaard(en) of andere aanduidingen van de betreffende standaard(en), indien dat is toegestaan volgens de instructies;

11. respektive instruktion af tildelt i overensstemmelse med de tilsvarende standarder eller andre normgivende dokument, under forudsætning af at anvendelsen sker i overensstemmelse med de tilsvarende instruktioner.

Low Voltage 2014/35/EU
Machinery 2006/42/EC
Electromagnetic Compatibility 2014/30/EU
Pressure Equipment 2014/68/EU

[illegible]

13**	DiCZ on valuteetui ladinaam Teknisen asiakirjan.
14**	Spöchtos DiCZ mia dräimien te kompleksi soboru tekhnicheskoi dokumentatsii tekhnicheskoi laborii.
15**	DiCZ is ovelaten za izdati. Datoletie e te leimhoi konstruktsii.
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17**	DiCZ ma upovnezenie te zvereniä na pracovniiia dokuminti.
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[illegible][illegible][illegible][illegible]

- 19*** DIC² je poboljšán za sestavu datotéky s technickým nápisem.
- 20*** DIC² on voličů korigován technickými dokumentačními.
- 21*** DIC² v počítačové práci sestaviť karta za technickou konstrukcí.
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1 About the documentation

1.1 About this document

Target audience

Authorised installers



INFORMATION

This appliance is intended to be used by expert or trained users in shops, in light industry, and on farms, or for commercial and household use by lay persons.



WARNING

Make sure installation, servicing, maintenance, repair and applied materials follow the instructions from Daikin and, in addition, comply with applicable legislation and are performed by qualified persons only. In Europe and areas where IEC standards apply, EN/IEC 60335-2-40 is the applicable standard.



INFORMATION

This document only describes installation instructions specific to the outdoor unit. For installation of the indoor unit (mounting the indoor unit, connecting the refrigerant piping to the indoor unit, connecting the electrical wiring to the indoor unit ...), see the installation manual of the indoor unit.

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 Specific installer safety instructions

Always observe the following safety instructions and regulations.

Unit installation (see "**4 Unit installation**" ▶ 13)



WARNING

Installation shall be done by an installer, the choice of materials and installation shall comply with the applicable legislation. In Europe, EN378 is the applicable standard.

2 Specific installer safety instructions

Installation site (see "[4.1 Preparing the installation site](#)" ▶ 13))



CAUTION

- Check if the installation location can support the unit's weight. Poor installation is hazardous. It can also cause vibrations or unusual operating noise.
- Provide sufficient service space.
- Do NOT install the unit so that it is in contact with a ceiling or a wall, as this may cause vibrations.



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).

Connecting the refrigerant piping (see "[5.2 Connecting the refrigerant piping](#)" ▶ 15))



CAUTION

- No brazing or welding on site for units with R32 refrigerant charge during shipment.
- During installation of the refrigeration system, joining of parts with at least one part charged shall be performed taking into account the following requirements: inside occupied spaces non permanent joints are not allowed for R32 refrigerant except for site made joints directly connecting the indoor unit to piping. Site made joints directly connecting piping to indoor units shall be of non permanent type.



CAUTION

Do NOT connect the embedded branch piping and the outdoor unit when only carrying out piping work without connecting the indoor unit in order to add another indoor unit later.



CAUTION

- Do NOT use mineral oil on flared part.
- Do NOT reuse piping from previous installations.
- NEVER install a drier to this R32 unit to guarantee its lifetime. The drying material may dissolve and damage the system.



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.



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

- Incomplete flaring may cause refrigerant gas leakage.
- Do NOT re-use flares. Use new flares to prevent refrigerant gas leakage.
- Use flare nuts that are included with the unit. Using different flare nuts may cause refrigerant gas leakage.

Checking the refrigerant piping ("[5.3 Checking the refrigerant piping](#)" ▶ 16))



DANGER: RISK OF EXPLOSION

Do NOT start the unit if it is vacuumed.

Charging refrigerant (see "[6 Charging refrigerant](#)" ▶ 17))



WARNING: MILDLY FLAMMABLE MATERIAL

The refrigerant inside this unit is mildly flammable.



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.



WARNING

NEVER directly touch any accidental leaking refrigerant. This could result in severe wounds caused by frostbite.



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.



CAUTION

To avoid compressor breakdown, do NOT charge more than the specified amount of refrigerant.

Electrical installation (see "[7 Electrical installation](#)" ▶ 18))



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.

Finishing the outdoor unit installation (see "8 Finishing the outdoor unit installation" [p 19])

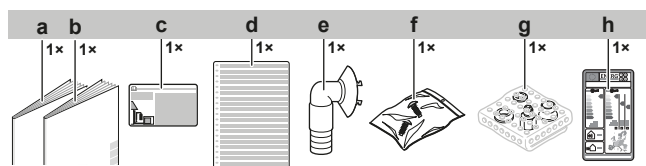

DANGER: RISK OF ELECTROCUTION

- 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.

3 About the box

3.1 Outdoor unit

3.1.1 To remove the accessories from the outdoor unit



- a Outdoor unit installation manual
- b General safety precautions
- c Fluorinated greenhouse gases label
- d Multilingual fluorinated greenhouse gases label
- e Drain socket
- f Screw bag (for fixing wire retainer)
- g Reducer assembly
- h Energy label

4 Unit installation


WARNING

Installation shall be done by an installer, the choice of materials and installation shall comply with the applicable legislation. In Europe, EN378 is the applicable standard.

4.1 Preparing the installation site

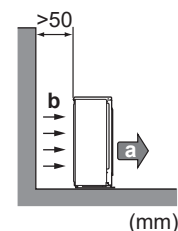
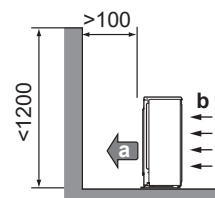

WARNING

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).

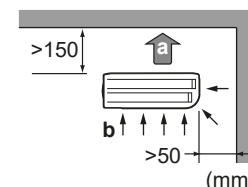
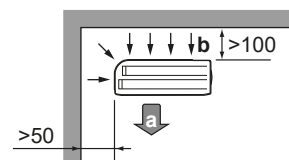
4.1.1 Installation site requirements of the outdoor unit

Mind the following spacing guidelines:

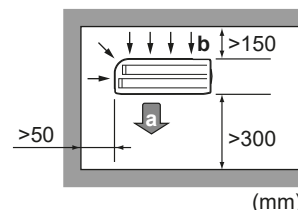
- Wall facing 1 side:



- Wall facing 2 sides:

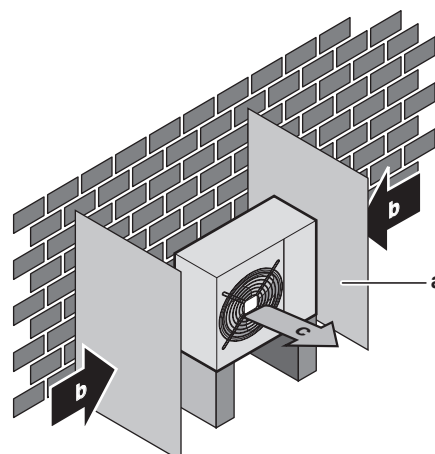


- Wall facing 3 sides:



- a Air outlet
- b Air inlet

Allow 300 mm of work space below the ceiling surface and 250 mm for piping and electrical servicing.



- a Baffle plate
- b Prevailing wind direction
- c Air outlet

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

4 Unit installation

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

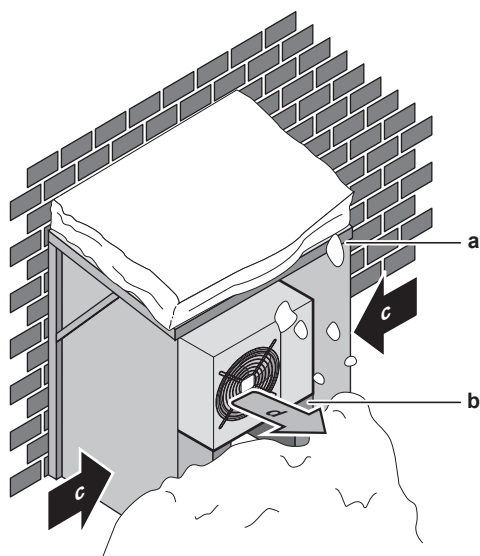
The sound pressure level is less than 70 dBA.

The outdoor unit is designed for outdoor installation only, and for ambient temperatures within the following ranges (unless otherwise specified in the operation manual of the connected indoor unit):

Cooling mode	Heating mode
-10~46°C DB	-15~24°C DB

4.1.2 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.



- a Snow cover or shed
- b Pedestal
- c Prevailing wind direction
- d Air outlet

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 "4.2 Mounting the outdoor unit" ▶ 14] 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.

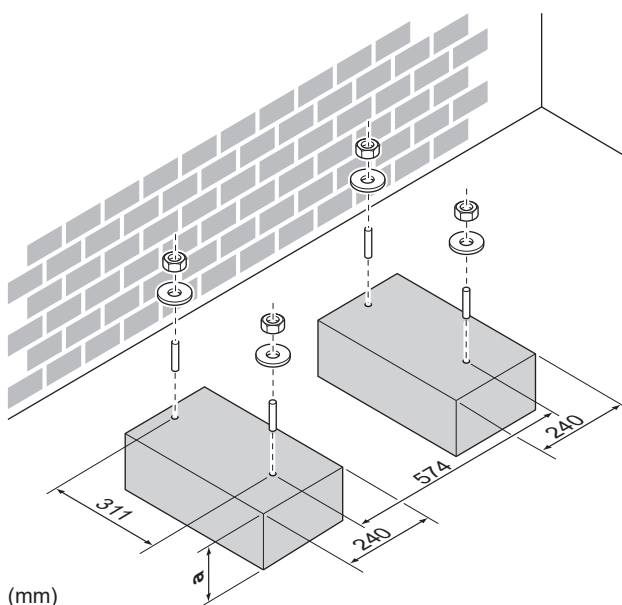
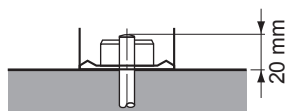
4.2 Mounting the outdoor unit

4.2.1 To provide the installation structure

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

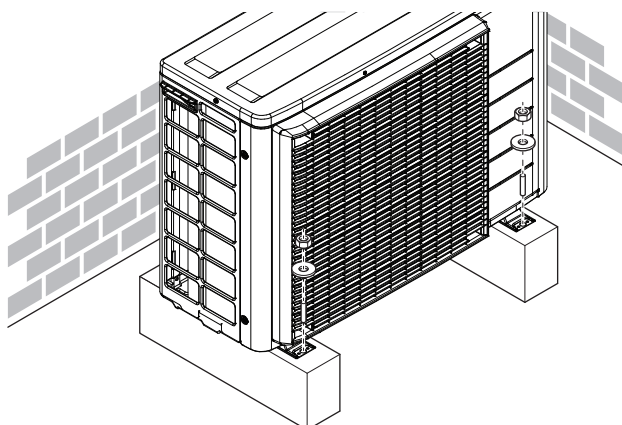
The unit may be installed directly on a concrete veranda or another solid surface as long as it provides proper drainage.

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



a 100 mm above expected level of snow

4.2.2 To install the outdoor unit



4.2.3 To provide drainage



NOTICE

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



NOTICE

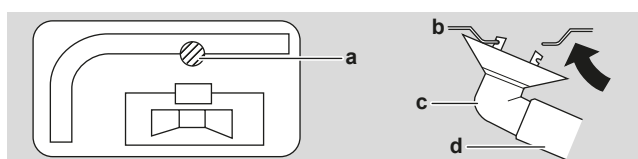
If the drain holes of the outdoor unit are blocked up by a mounting base or floor surface, place additional foot bases ≤30 mm under the outdoor unit's feet.



INFORMATION

For information on the available options, contact your dealer.

- 1 Use a drain plug for drainage.
- 2 Use a Ø16 mm hose (field supply).



- a Drain port
- b Bottom frame
- c Drain plug

d Hose (field supply)

5 Piping installation

5.1 Preparing refrigerant piping

5.1.1 Refrigerant piping requirements



NOTICE

The piping and other pressure-containing parts shall be suitable for refrigerant. Use phosphoric acid deoxidised seamless copper for refrigerant.

- **Piping material:** Phosphoric acid deoxidised seamless copper.
- **Piping diameter:**

Class 40	
Liquid piping	2× Ø6.4 mm (1/4")
Gas piping	2× Ø9.5 mm (3/8")
Class 50	
Liquid piping	2× Ø6.4 mm (1/4")
Gas piping	1× Ø9.5 mm (3/8") 1× Ø12.7 mm (1/2")

- **Piping temper grade and thickness:**

Outer diameter (Ø)	Temper grade	Thickness (t) ^(a)	
6.4 mm (1/4")	Annealed (O)	≥0.8 mm	
9.5 mm (3/8")			
12.7 mm (1/2")			

^(a) Depending on the applicable legislation and the maximum working pressure of the unit (see "PS High" on the unit name plate), larger piping thickness might be required.

Usage of reducers might be required based on the indoor unit. See "5.2.1 Connections between outdoor and indoor unit using reducers" [p. 15] for more information.

5.1.2 Refrigerant piping insulation

- Use polyethylene foam as insulation material:
 - with a heat transfer rate between 0.041 and 0.052 W/mK (0.035 and 0.045 kcal/mh°C)
 - with a heat resistance of at least 120°C
- Insulation thickness

Pipe outer diameter (Ø _p)	Insulation inner diameter (Ø _i)	Insulation thickness (t)
6.4 mm (1/4")	8~10 mm	≥10 mm
9.5 mm (3/8")	12~15 mm	≥13 mm
12.7 mm (1/2")	14~16 mm	≥13 mm



If the temperature is higher than 30°C and the humidity is higher than RH 80%, the thickness of the insulation materials should be at least 20 mm to prevent condensation on the surface of the insulation.

5.1.3 Refrigerant piping length and height difference

The shorter the refrigerant piping, the better the performance of the system.

The piping length and height differences must comply with the following requirements.

Model	Minimum required space
Class 40	1.2 m ²
Class 50	1.8 m ²

Shortest allowable length per room is 3 m.

Refrigerant piping length to each indoor unit	≤20 m
Refrigerant piping total length	≤30 m

	Height difference outdoor-indoor	Height difference indoor-indoor
Outdoor unit installed higher than indoor unit	≤15 m	≤7.5 m
Outdoor unit installed lower than at least 1 indoor unit	≤7.5 m	≤15 m

5.2 Connecting the refrigerant piping



DANGER: RISK OF BURNING/SCALDING



CAUTION

- No brazing or welding on site for units with R32 refrigerant charge during shipment.
- During installation of the refrigeration system, joining of parts with at least one part charged shall be performed taking into account the following requirements: inside occupied spaces non permanent joints are not allowed for R32 refrigerant except for site made joints directly connecting the indoor unit to piping. Site made joints directly connecting piping to indoor units shall be of non permanent type.



CAUTION

Do NOT connect the embedded branch piping and the outdoor unit when only carrying out piping work without connecting the indoor unit in order to add another indoor unit later.

5.2.1 Connections between outdoor and indoor unit using reducers

Total indoor unit capacity class that can be connected to this outdoor unit:

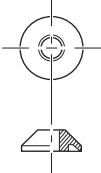
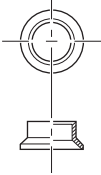
Outdoor unit	Total indoor unit capacity class
2MXM40, 2AMXM40, 2AMXF40, 2MXF40	≤6.0 kW
2MXM50, 2AMXM50, 2AMXF50, 2MXF50	≤8.5 kW

Port	Class	Reducer
2MXM40, 2AMXM40		
A	15, 20, 25, 35	—
B	15, 20, 25, 35	—
2AMXF40		
A	25, 35	—

5 Piping installation

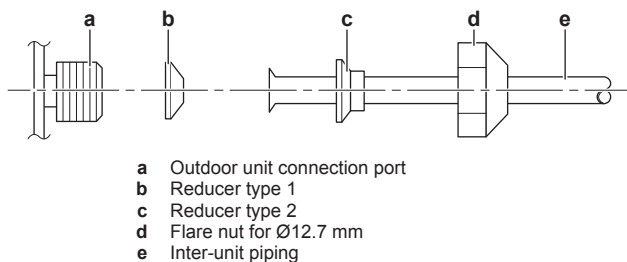
Port	Class	Reducer
B	25, 35	—
2MXF40		
A	20, 25, 35	—
B	20, 25, 35	—
2MXM50, 2AMXM50		
A	15, 20, 25, 35, 42 ^(a)	—
B	15, 20, 25, 35	1+2
	42, 50	—
2AMXF50		
A	25, 35	—
B	25, 35	1+2
2MXF50		
A	20, 25, 35	—
B	20, 25, 35	1+2

^(a) Use optional accessory.

Reducer type	Connection
1	 $\text{Ø}12.7 \text{ mm} \rightarrow \text{Ø}9.5 \text{ mm}$
2	 $\text{Ø}12.7 \text{ mm} \rightarrow \text{Ø}9.5 \text{ mm}$

Connection example:

- Connecting a Ø9.5 mm pipe to a Ø12.7 mm gas pipe connection port



Coat the threaded connection port of the outdoor unit where the flare nut comes in with refrigeration oil.



NOTICE

Use an appropriate wrench to avoid damaging the connection thread by overtightening the flare nut. Be careful NOT to overtighten the nut, or the smaller pipe may be damaged (about 2/3-1× the normal torque).

5.2.2 To connect the refrigerant piping to the outdoor unit

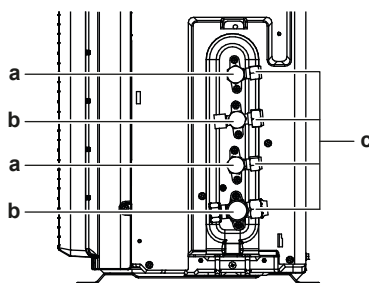
- Piping length.** Keep field piping as short as possible.
- Piping protection.** Protect the field piping against physical damage.



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.

- 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.

5.3 Checking the refrigerant piping

5.3.1 To check for leaks



NOTICE

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



NOTICE

ALWAYS use a recommended bubble test solution from your wholesaler.

NEVER use soap water:

- Soap water may cause cracking of components, such as flare nuts or stop valve caps.
- Soap water may contain salt, which absorbs moisture that will freeze when the piping gets cold.
- Soap water contains ammonia which may lead to corrosion of flared joints (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.

5.3.2 To perform vacuum drying



DANGER: RISK OF EXPLOSION

Do NOT start the unit if it is vacuumed.



NOTICE

Connect the vacuum pump to **both** the service ports of the gas stop valves.

- 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

Be sure to open the gas stop valve after piping installation and vacuuming. Running the system with the valve closed, the compressor may break down.

6 Charging refrigerant

6.1 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



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

Please contact your installer for more information.



WARNING: MILDLY 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.



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.



WARNING

NEVER directly touch any accidental leaking refrigerant. This could result in severe wounds caused by frostbite.

6.2 To determine the additional refrigerant amount

If the total liquid piping length is...	Then...
≤20 m	Do NOT add additional refrigerant.
>20 m	R=(total length (m) of liquid piping–20 m)×0.020 R=Additional charge (kg) (rounded in units of 0.1 kg)



INFORMATION

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

6.3 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.

6.4 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.

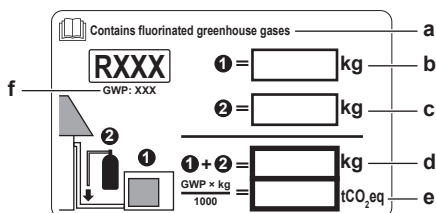
Prerequisite: Before charging refrigerant, make sure the refrigerant piping is connected and checked (leak test and vacuum drying).

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

6.5 To fix the fluorinated greenhouse gases label

- 1 Fill in the label as follows:

7 Electrical installation



- a 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.
- b Factory refrigerant charge: see unit name plate
- c Additional refrigerant amount charged
- d Total refrigerant charge
- e **Quantity of fluorinated greenhouse gases** of the total refrigerant charge expressed as tonnes CO₂ equivalent.
- f 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.

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

7 Electrical installation



DANGER: RISK OF ELECTROCUTION



WARNING

Appliance shall be installed in accordance with national wiring regulations.



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.



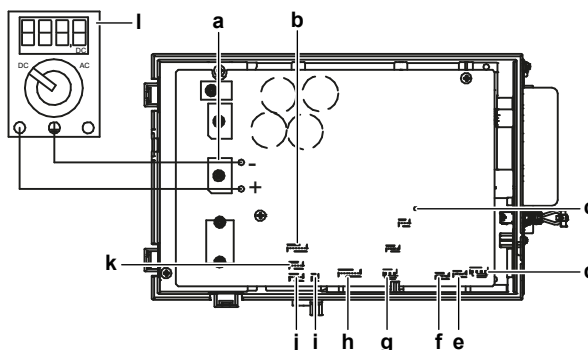
DANGER: RISK OF ELECTROCUTION

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.



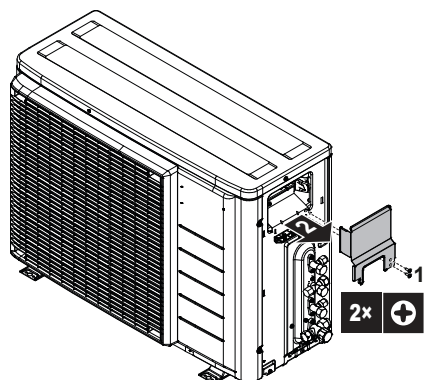
- a DB1 diode bridge
- b S90 thermistor lead wire
- c LED A
- d S40 thermal overload relay lead wire
- e S20 (white) room A electronic expansion valve coil
- f S21 (red) room B electronic expansion valve coil
- g S80 (white) 4-way valve lead wire connector
- h S70 fan motor lead wire
- i S99 heating lock
- j S91 (red) liquid thermistor lead wire
- k S92 (white) gas thermistor lead wire
- l Multimeter (DC voltage range)

7.1 Specifications of standard wiring components

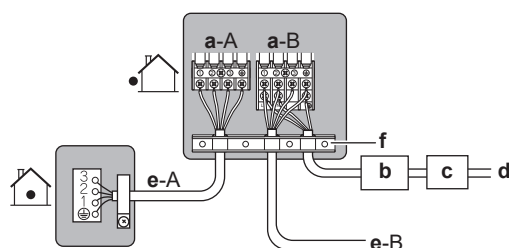
Component		
Power supply cable	Voltage	220~240 V
	Phase	1~
	Frequency	50 Hz
	Wire type	3-core cable 2.5 mm ² H05RN-F (60245 IEC 57) H07RN-F (60245 IEC 66) 3-core cable 4.0 mm ² H07RN-F (60245 IEC 66)
Interconnection cable (indoor↔outdoor)		4-core cable 1.5 mm ² or 2.5 mm ² and applicable for 220~240 V H05RN-F (60245 IEC 57)
Recommended circuit breaker		16 A
Residual current device		MUST comply with applicable legislation

7.2 To connect the electrical wiring to the outdoor unit

- 1 Remove the switch box cover (2 screws).

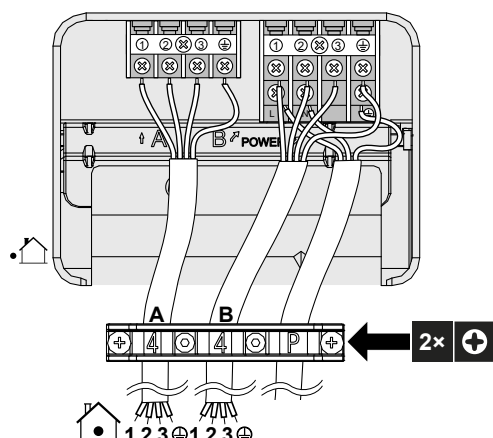


- 2 Connect the wires between the indoor and outdoor units so that the terminal numbers match. Make sure to match the symbols for piping and wiring.
- 3 Make sure to connect correct wiring to correct room (A to A, B to B).



- a Terminal for room (A, B)
- b Circuit breaker
- c Residual current device
- d Power supply wire
- e Interconnection wire for room (A, B)
- f Wire retainer

- 4 Tighten the terminal screws securely using a Phillips screwdriver.
- 5 Check that the wires do not disconnect by pulling them lightly.
- 6 Firmly secure the wire retainer to avoid external stress on wire terminations.
- 7 Pass the wiring through the cutout on the bottom of the protection plate.
- 8 Make sure the electrical wiring does not contact with the gas piping.



- 9 Reattach the switch box cover and the service cover.

8 Finishing the outdoor unit installation

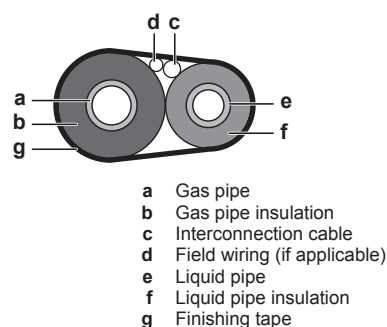
8.1 To finish the outdoor unit installation



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 cables as follows:



- 2 Install the service cover.

9 Configuration

9.1 About ECONO mode prohibition setting

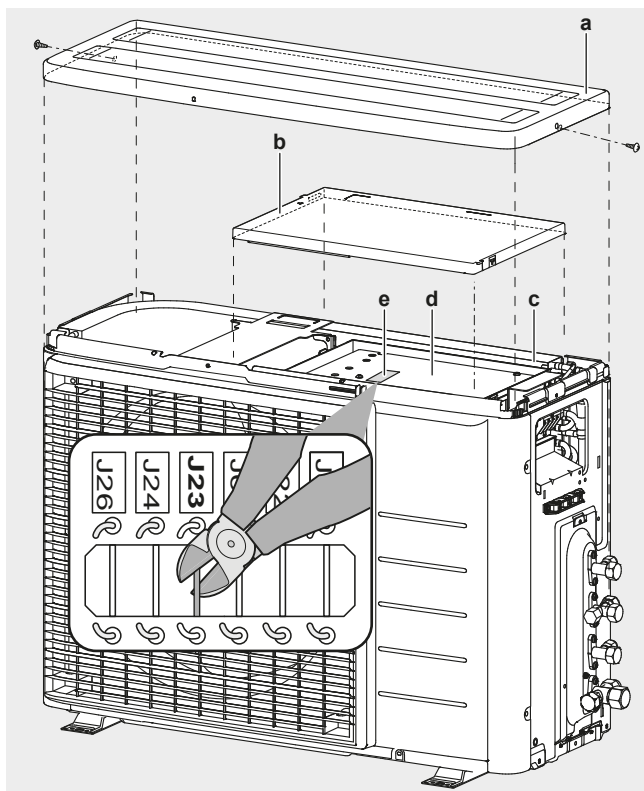
This setting disables the input control signal from the user interface. Use this setting when you wish to block reception of input controls (cooling/heating) from indoor unit user interfaces.

9.1.1 To turn on ECONO mode prohibition setting

Prerequisite: The main power supply MUST be turned off.

- 1 Remove the top plate of the outdoor unit (2 screws on sides)
- 2 Remove the electric box cover by sliding it. Be careful not to bend the electric box hook.
- 3 Cut the jumper (J23).

9 Configuration



- a Top plate
- b Electric box cover
- c Electric box
- d PCB
- e PCB jumpers

- 4 Reinstall the electric box cover and the top plate in reverse order and turn on the main power supply.

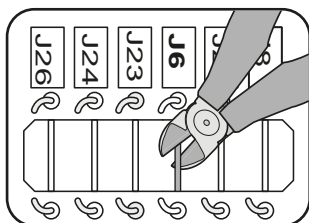
9.2 About night quiet mode

The night quiet mode function makes the outdoor unit run more quietly at nighttime. This will reduce the cooling capacity of the unit. Explain Night quiet mode to the customer and confirm if customer wants to use this mode.

9.2.1 To turn on the night quiet mode

Prerequisite: The main power supply **MUST** be turned off.

- 1 Remove the top plate and the electric box cover of the outdoor unit (see "9.1.1 To turn on ECONO mode prohibition setting" [p 19])
- 2 Cut the jumper J6.



- 3 Reinstall the top plate and the electric box cover.



CAUTION

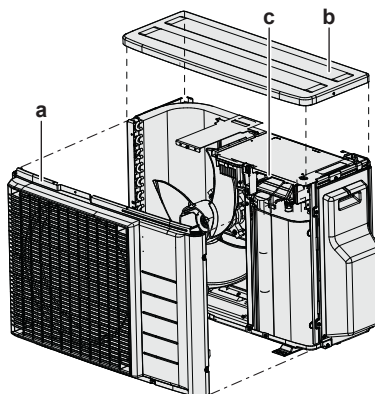
When reinstalling the electric box cover, be careful not to pinch the fan motor lead wire.

9.3 About heat mode lock

Heat mode lock limits the unit to heat operation.

9.3.1 To turn on heat mode lock

- 1 Remove the top plate (2 screws) and the front plate (8 screws).
- 2 To set heat mode lock remove the S99 connector.
- 3 To reset the heat pump mode (cooling/heating), plug the connector back.



- a Front plate
- b Top plate
- c S99 connector

Mode	S99 connector
Heat pump (cooling, heating)	Connected
Heating only	Disconnected

- 4 Reinstall the top plate and the front plate.



INFORMATION

Forced operation is also available in heating mode.

9.4 About standby electricity saving function

The standby electricity saving function:

- turns OFF the power supply to the outdoor unit and,
- turns ON the standby electricity saving mode on the indoor unit.

The standby electricity saving function works with following units:

FTXM, FTXP, FTXJ, FVXM, ATXF

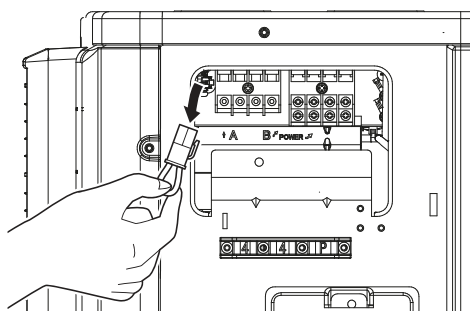
If another indoor unit is used, the connector for standby electric saving must be plugged in.

The standby electricity saving function is turned off before shipping.

9.4.1 To turn on standby electricity saving function

Prerequisite: The main power supply **MUST** be turned off.

- 1 Remove the service cover.
- 2 Disconnect the selective standby electricity saving connector.



- 3 Turn on the main power supply.

10 Commissioning



NOTICE

General commissioning checklist. Next to the commissioning instructions in this chapter, a general commissioning checklist is also available on the Daikin Business Portal (authentication required).

The general commissioning checklist is complementary to the instructions in this chapter and can be used as a guideline and reporting template during the commissioning and hand-over to the user.



NOTICE

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

10.1 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.

☐	The indoor unit is properly mounted.
☐	The outdoor unit is properly mounted.
☐	The system is properly earthed and the earth terminals are tightened.
☐	The power supply voltage matches the voltage on the identification label of the unit.
☐	There are NO loose connections or damaged electrical components in the switch box.
☐	There are NO damaged components or squeezed pipes on the inside of the indoor and outdoor units.
☐	There are NO refrigerant leaks .
☐	The refrigerant pipes (gas and liquid) are thermally insulated.
☐	The correct pipe size is installed and the pipes are properly insulated.
☐	The stop valves (gas and liquid) on the outdoor unit are fully open.
☐	Drainage Make sure drainage flows smoothly. Possible consequence: Condensate water might drip.
☐	The indoor unit receives the signals of the user interface .
☐	The specified wires are used for the interconnection cable .
☐	The fuses, circuit breakers , or locally installed protection devices are installed according to this document, and have NOT been bypassed.
☐	Check if marks (room A~E) on the wiring and piping match for each indoor unit.
☐	Check if the priority room setting is set for 2 or more rooms. Keep in mind that the DHW generator for Multi or the Hybrid for Multi shall not be selected as the priority room.

10.2 Checklist during commissioning

☐	To perform a wiring check.
--------------------------	-----------------------------------

☐	To perform an air purge .
☐	To perform a test run .

10.3 Trial operation and testing

☐	Before starting the test run, measure the voltage at the primary side of the safety breaker .
☐	The piping and wiring work match.
☐	The stop valves (gas and liquid) on the outdoor unit are fully open.

Initialization of the Multi system can take several minutes depending on the number of indoor units and options used.

10.3.1 To perform a test run

Prerequisite: Power supply MUST be in the specified range.

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

Prerequisite: Test run should be done 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.
- 2 Measure the temperature at the indoor unit inlet and outlet after running the unit for about 20 minutes. The difference should be more than 8°C (cooling) or 15°C (heating).
- 3 First check operation of each unit individually, then check simultaneous operation of all indoor units. Check both heating and cooling operation.
- 4 When test run is finished, set the temperature to a normal level. In cooling mode: 26~28°C, in heating mode: 20~24°C.



INFORMATION

- Test run can be disabled if necessary.
- After the unit is turned OFF, it cannot be started again for 3 minutes.
- During cooling operation, frost may form on the gas stop valve or other parts. This is normal.



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.

11 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.

12 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).

12 Technical data

12.1 Wiring diagram

12.1.1 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
	Residual current device		

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
C*	Capacitor
AC*, CN*, E*, HA*, HE*, HL*, HN*, HR*, MR*_A, MR*_B, S*, U, V, W, X*A, K*R_*, NE	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

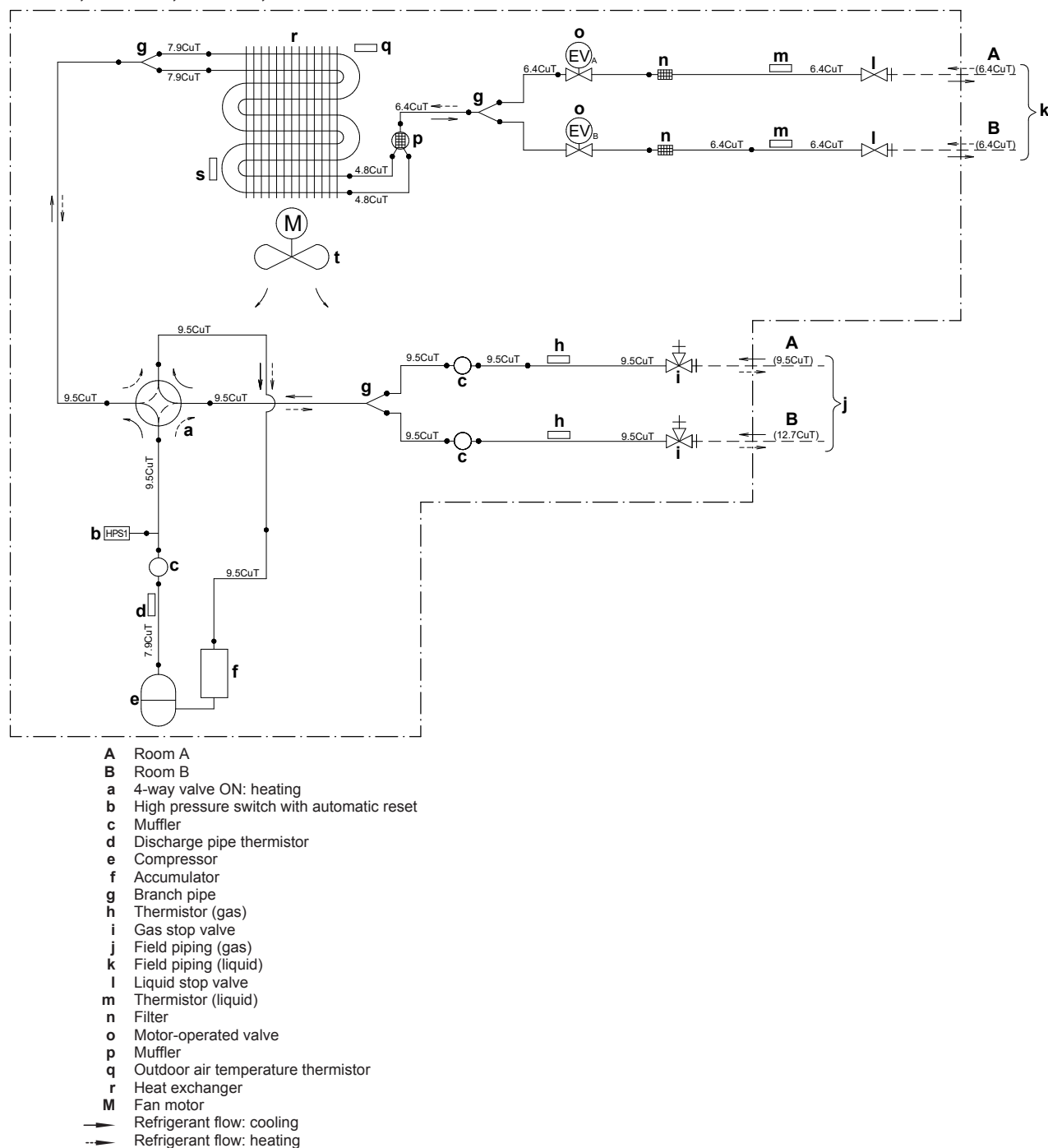
Symbol	Meaning
L*	Coil
L*R	Reactor
M*	Stepper motor
M*C	Compressor motor
M*F	Fan motor
M*P	Drain pump motor
M*S	Swing motor
MR*, MRCW*, MRM*, MRN*	Magnetic relay
N	Neutral
n=*, N=*	Number of passes through ferrite core
PAM	Pulse-amplitude modulation
PCB*	Printed circuit board
PM*	Power module
PS	Switching power supply
PTC*	PTC thermistor
Q*	Insulated gate bipolar transistor (IGBT)
Q*C	Circuit breaker
Q*DI, KLM	Earth leak circuit breaker
Q*L	Overload protector
Q*M	Thermo switch
Q*R	Residual current device
R*	Resistor
R*T	Thermistor
RC	Receiver
S*C	Limit switch
S*L	Float switch
S*NG	Refrigerant leak detector
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
SHEET METAL	Terminal strip fixed plate
T*R	Transformer
TC, TRC	Transmitter
V*, R*V	Varistor
V*R	Diode bridge, Insulated-gate bipolar transistor (IGBT) power module
WRC	Wireless remote controller
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

12.2 Piping diagram: Outdoor unit

Component PED category classification:

2MXM50, 2AMXM50, 2AMXF50, 2MXF50

- High pressure switches: category IV
- Compressor: category II
- Other components: refer to PED article 4, paragraph 3



EAC



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