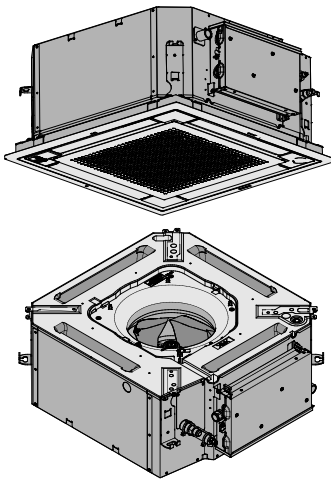


DAIKIN



Installation and operation manual

Split system air conditioners



**FFA25A2VEB
FFA35A2VEB
FFA50A2VEB
FFA60A2VEB**

**FFA25A2VEB9
FFA35A2VEB9
FFA50A2VEB9
FFA60A2VEB9**

Installation and operation manual
Split system air conditioners

English

CE - DECLARACION DE CONFORMIDAD
 CE - DICHLARAZIONE DI CONFORMITA
 CE - ДИКЛАРИЦІЯ ПРО ФОРМАЦИЮ
 CE - CONFORMITEITSVERKLARING

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 conditionné les par la présente déclaration:
- 04 (en) vedkär under eget ansvar för de luftkonditioneringsmodeller som berörs av denna deklaration.
- 05 (en) declara bajo su única responsabilidad que los modelos de aire acondicionado a los cuales hace referencia la declaración.
- 06 (en) δηλώνει υπό αποκλειστική του ευθύνη ότι τα μοντέλα της κλιματικής συσκευής που αφορά η παρούσα δήλωση:
- 07 (en) oğuluje pod svojomu odgovornostu da su modeli klima uređaja na koje se ova izjava odnosi:
- 08 (en) deklaara sua sua exclusiva responsabilidade que os modelos de ar condicionado a que esta declaração se refere.

CE - DECLARACIÓN DE CONFORMIDAD
 CE - ЗАЯВЛЕНИЕ О СООТВЕТСТВИИ
 CE - OVIJESITISITÄMÄLÄSSERKLÄRING
 CE - FÖRSÄKRAN OM ÖVERENSÄMMELSE

- 09 (en) заявляет, исключив полностью под свою ответственность, что модели кондиционеров воздуха, к которым относится настоящее заявление:
- 10 (en) erklærer under eneansvar at klimaatilrædsmodellerne, som denne deklaration vedrører:
- 11 (en) deklarerer på eget ansvar at luftkonditioneringsmodellerne som berøres av denne erklæring innehar det:
- 12 (en) erklærer et fullständigt ansvar för de luftkonditioneringsmodeller som berörs av denna deklarasjon.
- 13 (en) innofta yksomaan omaa vastuuttua, että tähän ilmoitukseen lukeutuneiden ilmastointilaitteiden mallit:
- 14 (en) prohlásuje ve své plné odpovědnosti, že modely klimatizací, k nimž se tato prohlášení vztahuje:
- 15 (en) izjavlja pod svojimi odgovornostmi da su modeli klima uređaja na koje se ova izjava odnosi:
- 16 (en) fejles felelősséggel nyilatkozik kijelenti, hogy a klímaberendezés modellek, melyekre a nyilatkozat vonatkozik:

CE - IZJAVA O SKLADNOSTI
 CE - MEGFELELŐSÉGI NYILATKOZÁS
 CE - DEKLARACIJA ZGODNOSTI
 CE - DECLARAȚIE DE CONFORMITATE

- 17 (en) deklarije na vlastiti odgovornosti, da modely klimatizacijskih, kojih ovaj izvještaj odnosi je u skladu sa zahtjevima iz ovog dokumenta.
- 18 (en) deklaar op mijn eigen aansprakelijkheid dat de modellen van de airconditioning die aan de hand van deze verklaring worden genoemd:
- 19 (en) kinnabä om på egen ansvar, att luftkonditioneringsmodellerna som nämns i denna deklarasjon är i överensstämmelse med de tekniska specifikationerna i denna deklarasjon.
- 20 (en) deklaara na svoj odgovornosti, da modely klimatizacijskih, kojih ovaj izvještaj odnosi je u skladu sa zahtjevima iz ovog dokumenta.
- 21 (en) deklaara na svoj odgovornosti, da modely klimatizacijskih, kojih ovaj izvještaj odnosi je u skladu sa zahtjevima iz ovog dokumenta.
- 22 (en) vyhlasí svou osobnou odpovědností, že modely klimatizacijských, kterých se týká tento deklarační:
- 23 (en) prihlasuje na vlastnu odgovornost, da modely klimatizacijskih, kojih ovaj izvještaj odnosi je u skladu sa zahtjevima iz ovog dokumenta.
- 24 (en) ymlämnar för sitt eget ansvar att de modellerna för luftkonditionering som nämns i denna deklarasjon är i överensstämmelse med de tekniska specifikationerna i denna deklarasjon.
- 25 (en) ymlämnar för sitt eget ansvar att de modellerna för luftkonditionering som nämns i denna deklarasjon är i överensstämmelse med de tekniska specifikationerna i denna deklarasjon.

CE - ATTIKTES-DEKLARACIJA
 CE - ATILSĪSTĀS DEKLARĀCIJA
 CE - VYHLÁŠENIE ZHODY
 CE - UYGUNLUK BEYANI

- 17 (en) deklarije na vlastiti odgovornosti, da modely klimatizacijskih, kojih ovaj izvještaj odnosi je u skladu sa zahtjevima iz ovog dokumenta.
- 18 (en) deklaar op mijn eigen aansprakelijkheid dat de modellen van de airconditioning die aan de hand van deze verklaring worden genoemd:
- 19 (en) kinnabä om på egen ansvar, att luftkonditioneringsmodellerna som nämns i denna deklarasjon är i överensstämmelse med de tekniska specifikationerna i denna deklarasjon.
- 20 (en) deklaara na svoj odgovornosti, da modely klimatizacijskih, kojih ovaj izvještaj odnosi je u skladu sa zahtjevima iz ovog dokumenta.
- 21 (en) deklaara na svoj odgovornosti, da modely klimatizacijskih, kojih ovaj izvještaj odnosi je u skladu sa zahtjevima iz ovog dokumenta.
- 22 (en) vyhlasí svou osobnou odpovědností, že modely klimatizacijských, kterých se týká tento deklarační:
- 23 (en) prihlasuje na vlastnu odgovornost, da modely klimatizacijskih, kojih ovaj izvještaj odnosi je u skladu sa zahtjevima iz ovog dokumenta.
- 24 (en) ymlämnar för sitt eget ansvar att de modellerna för luftkonditionering som nämns i denna deklarasjon är i överensstämmelse med de tekniska specifikationerna i denna deklarasjon.
- 25 (en) ymlämnar för sitt eget ansvar att de modellerna för luftkonditionering som nämns i denna deklarasjon är i överensstämmelse med de tekniska specifikationerna i denna deklarasjon.

FFA25A2ZVEB, FFA35A2ZVEB, FFA50A2ZVEB, FFA60A2ZVEB,

- 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 deriden følgende Norm(en) eller anden anden Normdokument(er)-dokument(en) er anvendt i overensstemmelse med vores instruktioner:
- 03 sont conformes à la(s) norme(s) ou autre(s) document(s) normatif(s), pour autant qu'ils soient utilisés conformément à nos instructions:
- 04 conform de volgende norm(en) of één of meer andere bindende document(en) zijn, op voorwaarde dat ze worden gebruikt overeenkomstig onze instructies:
- 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:
- 06 sono conformi al(l) seguente(s) standard(i) o al(tro) documento(i) a carattere normativo, a patto che vengano usati in conformità alle nostre istruzioni:
- 07 ёвно оудована ме то(и) оидовано(и) трандарто(и) и/или документа(и) нормативно(и), у то(и) трандарто(и) и/или документа(и) оудована ме према нашој инструкцији:

EN60335-2-40,

- 19 ob upošlevanju dobiča:
- 20 vestaviti náležité:
- 21 creavakiv trjavane na:
- 22 likavitis nastaviti, palekavim:
- 23 vevaviti preslab, kas notaklas:
- 24 orđaviti, ispravovani:
- 25 bonun vesplavama vugni otak:

- 01 Note* as set out in and judged positively by
- 02 Hinweis* wie in ausgeführt und von positiv beurteilt gemakt.
- 03 Remarque* le que défini dans et évalué positivement par
- 04 Bemerk* zoals vermeld in en positief beoordeeld door
- 05 Nota* como se establece en y es valorado positivamente por
- 06 Note* under egnet til bruk i henhold til bestemte forhold.
- 07 Zbirajuvot* le que défini dans et évalué positivement par
- 08 Note* zoals vermeld in en positief beoordeeld door
- 09 Примечание* como se establece en y es valorado positivamente por

01** DICz*** is authorised to complete the Technical Construction File.
 02** DICz*** hat die Berechtigung die Technische Konstruktionsakte zusammenzustellen.
 03** DICz*** est autorisée à compléter le Dossier de Construction Technique.
 04** DICz*** is bevoegd om het Technisch Constructiedossier samen te stellen.
 05** DICz*** está autorizado a completar el Archivo de Construcción Técnica.
 06** DICz*** är behörig att redigera i Filen i Teknisk Konstruktionsakt.

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

- 08 esto es un conformidad con el(s) siguiente(s) norma(s) u otro(s) documento(s) normativo(s), desde que estes sejan utilizados de acorido con as normas instrucciones:
- 09 соответствую следующим стандартам или другим нормативным документам, при условии их использования согласно нашим инструкциям:
- 10 ovenkoder følgende standard(er) eller andet/andre tekniske dokument(er), forudsat at disse anvendes i henhold til vore instruktioner:
- 11 respektive utövning är utövning i överensstämmelse med och/eller följande standard(er) eller andra normativa dokument, under förutsättning att användning sker i överensstämmelse med våra instruktioner:
- 12 respektive usly er i overensstemmelse med følgende standard(er) eller andre normgende dokument(er), under forudsætning av at disse bruges i henhold til våre instruksjoner:
- 13 vestavakit seuranne standardien ja muiden ohjeellisten dokumenttien vaatimuksia edellytäten, että niitä käytetään ohjeemme mukaisesti:
- 14 za predpikladi, že jsou využívány v souladu s našimi pokyny, obdobně jako následující normám nebo normativním dokumentům:
- 15 u skladu sa sledovanim standardom(i) ili drugim normativnim dokumentom(i), uz uvjet da se oni koriste u skladu s našim uputama:

**Machinery 2006/42/EC
 Electromagnetic Compatibility 2014/30/EU
 Low Voltage 2014/35/EU**

- 01 Directives as amended
- 02 Direktiven med förändringar
- 03 Directives telles que modifiées
- 04 Richtlijnen zoals gewijzigd
- 05 Directives según se emendado
- 06 Direktive, come da modifia
- 07 Ohjevuot, onus kuvon korotettuja
- 08 Directivas, como alteraçao em.
- 09 Директива со измененијанима
- 10 Direktiver, cu amendamentele respective
- 11 Direktiv med förändringar
- 12 Direktive med forändringar
- 13 Direktives telles que modifiées
- 14 Richtlijnen zoals gewijzigd
- 15 Directives según se emendado
- 16 Direktive, come da modifia
- 17 Ohjevuot, onus kuvon korotettuja
- 18 Directivas, como alteraçao em.
- 19 Директива со измененијанима

- 21 Zabezpečenie* izto e isporoceno e v ovisenoj namernosti od
- 22 Pasaba* izto e isporoceno e v ovisenoj namernosti od
- 23 Plozimes* izto e isporoceno e v ovisenoj namernosti od
- 24 Poznamka* izto e isporoceno e v ovisenoj namernosti od
- 25 Not* izto e isporoceno e v ovisenoj namernosti od

13** DICz*** on valtuutettu laillamaan Teknisen asiakirjan.
 14** Společnost DICz*** má oprávnění ke kompletaci souboru technické konstrukce.
 15** DICz*** est autorisée à compléter le dossier de construction technique.
 16** DICz*** is bevoegd tot het completeren van het technische constructiedossier.
 17** DICz*** está autorizado a completar el archivo de construcción técnica.
 18** DICz*** är behörig att komplettera tekniska konstruktionsfilen.



Tetsuya Baba
 Managing Director
 Pilsen, 2nd of May 2017

DAIKIN INDUSTRIES CZECH REPUBLIC s.r.o.
 U Nové Hospody 1/155, 301 00 Plzeň Skvrňany,
 Czech Republic

CE - DECLARATION OF CONFORMITY
CE - DICHLARAZION E CONFORMITA
CE - ДИКЛАРИЗІЯ СЪГЛОСОВАНОСТІ
CE - CONFORMITEITSVERKLARING

CE - DECLARACÃO DE CONFORMIDADE
CE - ЗАЯВЛЕНИЕ О СООТВЕТСТВИИ
CE - ÖVERENSSTÄMMELSEERKLÄRING
CE - FÖRSÄKRAN OM ÖVERENSSTÄMMELSE

CE - ERKLÄRUNG ÜBER ÜBERSTIMMUNG
CE - ИЛІДІСІС, ҮЙЕНІЛІК АСІІДІСТІГІ
CE - DEKLARACIJA ZGODNOSTI
CE - DECLARAȚIE DE CONFORMITATE

CE - ZJAVNA OSLIKARENOST
CE - MEGFELTÉS DEKARÁCIÓVAL
CE - ДЕКЛАРАЦІЯ ПРО СЪОТВЕТСТВІЕ
CE - UYUMLUK BEYANI

CE - ATTIKTES, DEKLARACIJA
CE - АТІЛІС ТІС, ДЕКЛАРАЦІА
CE - УЙУЛІСЕНЕ, ЗАНУДІ
CE - UYUMLUK BEYANI

Daikin Industries Czech Republic s.r.o.

- 01 declare under the sole responsibility that the air conditioning models to which this declaration relates
- 02 erklärt auf seine ausschließliche Verantwortlichkeit die Modelle der Klimaanlage für die diese Erklärung bezieht
- 03 déclare sous sa seule responsabilité que les appareils dont conditionne les par la présente déclaration
- 04 veští na svůj plný právní odpovědnost za vzduchotechniku, jejíž popis je uveden v této prohlášení
- 05 declara bajo su única responsabilidad que los modelos de aire acondicionado a los cuales hace referencia la declaración
- 06 δηλώνει με αποκλειστική του ευθύνη ότι το προϊόν του κλιματισμού ο οποίος αφορά στην παρούσα δήλωση
- 07 обьявляю на исключительной своей ответственности, что данное изделие соответствует тому, что указано в данном заявлении
- 08 déclare sous sa seule responsabilité que les modèles de air conditionné a qui cette déclaration se réfère

CE - ZJAVNA OSLIKARENOST
CE - MEGFELTÉS DEKARÁCIÓVAL
CE - ДЕКЛАРАЦІЯ ПРО СЪОТВЕТСТВІЕ
CE - UYUMLUK BEYANI

CE - ZJAVNA OSLIKARENOST
CE - MEGFELTÉS DEKARÁCIÓVAL
CE - ДЕКЛАРАЦІЯ ПРО СЪОТВЕТСТВІЕ
CE - UYUMLUK BEYANI

CE - ATTIKTES, DEKLARACIJA
CE - АТІЛІС ТІС, ДЕКЛАРАЦІА
CE - УЙУЛІСЕНЕ, ЗАНУДІ
CE - UYUMLUK BEYANI

- 17 (en) déclare la présente déclaration en vertu de sa seule responsabilité
- 18 (en) deklaruję niniejszą deklarację, biorąc odpowiedzialność za jej prawdziwość wyłącznie na siebie
- 19 (en) I hereby declare that the models of air conditioning units mentioned in this declaration are in accordance with the requirements specified in the applicable standards
- 20 (en) I hereby declare that the models of air conditioning units mentioned in this declaration are in accordance with the requirements specified in the applicable standards
- 21 (en) I hereby declare that the models of air conditioning units mentioned in this declaration are in accordance with the requirements specified in the applicable standards
- 22 (en) I hereby declare that the models of air conditioning units mentioned in this declaration are in accordance with the requirements specified in the applicable standards
- 23 (en) I hereby declare that the models of air conditioning units mentioned in this declaration are in accordance with the requirements specified in the applicable standards
- 24 (en) I hereby declare that the models of air conditioning units mentioned in this declaration are in accordance with the requirements specified in the applicable standards
- 25 (en) I hereby declare that the models of air conditioning units mentioned in this declaration are in accordance with the requirements specified in the applicable standards

- 17 (en) déclare la présente déclaration en vertu de sa seule responsabilité
- 18 (en) deklaruję niniejszą deklarację, biorąc odpowiedzialność za jej prawdziwość wyłącznie na siebie
- 19 (en) I hereby declare that the models of air conditioning units mentioned in this declaration are in accordance with the requirements specified in the applicable standards
- 20 (en) I hereby declare that the models of air conditioning units mentioned in this declaration are in accordance with the requirements specified in the applicable standards
- 21 (en) I hereby declare that the models of air conditioning units mentioned in this declaration are in accordance with the requirements specified in the applicable standards
- 22 (en) I hereby declare that the models of air conditioning units mentioned in this declaration are in accordance with the requirements specified in the applicable standards
- 23 (en) I hereby declare that the models of air conditioning units mentioned in this declaration are in accordance with the requirements specified in the applicable standards
- 24 (en) I hereby declare that the models of air conditioning units mentioned in this declaration are in accordance with the requirements specified in the applicable standards
- 25 (en) I hereby declare that the models of air conditioning units mentioned in this declaration are in accordance with the requirements specified in the applicable standards

FFA25A2VEB9, FFA35A2VEB9, FFA50A2VEB9, FFA60A2VEB9,

- 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 overeenkomstig het volgende norm(en) of andere normatieve document(en), indien deze worden gebruikt overeenkomstig onze instructies:
03 conformes à la(s) norme(s) ou autre(s) document(s) normatif(s), pour autant qu'ils soient utilisés conformément à nos instructions:
04 conform de volgende norm(en) of één of meer andere bindende documenten zijn, op voorwaarde dat ze worden gebruikt overeenkomstig onze instructies:
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:
06 sono conformi al(i) seguente(i) standard(i) o al(tra) document(i) di carattere normativo, a patto che vengano usati in conformità alle nostre istruzioni:
07 є в поєднанні з наступним(ими) стандартом(ами) та/або іншим(ими) нормативним(ими) документом(ами), якщо вони будуть використані відповідно до наших інструкцій:
08 об'єднанні з наступним(ими) стандартом(ами) та/або іншим(ими) нормативним(ими) документом(ами), якщо вони будуть використані відповідно до наших інструкцій:
09 в соответствии с нижеследующим(ими) стандартом(ами) и/или другим(ими) нормативным документом(ами), если они будут использоваться в соответствии с нашими инструкциями:
10 under egenskabsnavnet
11 enligt egenskapsnamn
12 ofill i henhold til
13 noniudatien määristää
14 za dovoľnosť ustanovené príslušnými
15 pretera ordförande
16 koveri eži
17 zgodnie z pozostawionymi Dyrektywami
18 in conjunctie met

- 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:
09 соответствует следующим стандартам или другим нормативным документам, при условии их использования согласно нашим инструкциям:
10 ovenkoder følgende standard(er) eller andre bindende dokument(er), forudsat at disse anvendes i henhold til vores instruktioner:
11 respektive utövning av ett/ett överensstämelse med och/eller följande standard(er) eller andra normative dokument, under förutsättning att användning sker överensstämelse med våra instruktioner:
12 respektive üslvi er överensstämelse med følgende standard(er) eller andre normgende dokument(er), under forutsetning av at disse brukes i henhold til våre instruksjoner:
13 vastavaat seuraavien standardien ja muiden ohjeellisten dokumenttien vaatimuksia edellyttäen, että niitä käytetään ohjeemme mukaisesti:
14 za predpokladu, že jsou využívány v souladu s našimi pokyny, obvyklými následujícími normami nebo normativními dokumenty:
15 u skladu sa sledujúcimi štandardmi a/alebo inými normatívnymi dokumentmi), za uvjet da se oni koriste u skladu s našim uputama:

- 16 megfelelekes az alábbi szabvány(ok)tal, vagy egyéb irányadó dokumentum(ok)okkal, ha azokak előírás szerinti használatjától;
- 17 спрешніть відповідно наступним(им) нормативним документам(ам), под умовою, що вони будуть використані відповідно до наших інструкцій;
- 18 seinigt in Übereinstimmung mit dem/normativen Dokument(en), wenn diese in Übereinstimmung mit unseren Anweisungen werden;
- 19 skladi z naslednjimi standardi in drugimi normativi, pod pogojem, da se uporabljajo v skladu z našimi navodili;
- 20 on vastavuses järgmistele standarditele ja/või teistele normatiivsetele dokumentidele, kui need kasutatakse vastavalt meie juhenditele;
- 21 съответстват на следните стандарти или други нормативни документи, при условие, че се използват съгласно нашите инструкции;
- 22 атлика змаиа науродоу стандарту с (а) или другим(им) нормативным документом(ам) су савјета, кад уита науродоу пага мисли науродоу мисли;
- 23 tad, ja tehti atihisi standardi ja muide ohjeellisten dokumenttien vaatimukset, kun niitä käytetään ohjeemme mukaisesti;
- 24 si u zbirke s naslednjimi normami (ali drugimi normativnimi dokumentimi), za predpkladi, že se používají v souladu s našimi navodami;
- 25 iđubun, taimitalmarra gore kulanimasi kosqula yta asquladi standartiar ve norm beltiran begalete ynutuldu:

EN60335-2-40,

- 01 Note:
02 gemäß den Vorschriften der
03 conformément aux stipulations des
04 overeenkomstig de bepalingen van
05 spurende las fibraciones de
06 secondo le prescrizioni per
07 je nripion na dăuțcau țav
08 de acordo com o previsto em:
09 в соответствии с положениями:
10 under egenskapsnavnet
11 enligt egenskapsnamn
12 ofill i henhold til
13 noniudatien määristää
14 za dovoľnosť ustanovené príslušnými
15 pretera ordförande
16 koveri eži
17 zgodnie z pozostawionymi Dyrektywami
18 in conjunctie met

16 Megjegyzés:
17 Úvegés:
18 Noiă:
19 Opomba:
20 Märkus:

- 01 Directives as amended
02 Direktiven med förelagda ändringar
03 Directives telles que modifiées
04 Richtlijnen zoals gearanderd
05 Directives según de modificación
06 Direktive, come da modifica
07 Объявлени отъсъз промените
08 Directives conforme alteração em:
09 Директива с взаимнопоправками:
10 Directives as amended
11 Direktiven med förelagda ändringar
12 Directives telles que modifiées
13 Richtlijnen zoals gearanderd
14 в правен значе
15 Spremljena, kako je izmenjeno
16 irányelvek és módosítások rendelkezései
17 з paznesnymi popravkami:
18 Direktiwher, cu amendamente respective
19 Direktiva z useni spremembami
20 Direktivki kos modifikacijsa
21 Direktive, koje su izmenjene
22 Direktives cu revizuri reamenjate
23 Direktives su pagidimais
24 Sporazici, u kojima su izmenjeni
25 Dejzsinims tsalejje, foremteiler.

| | |
|-----|---------------------------|
| <A> | DAIKIN.TCF.033A10/10-2018 |
| | DEKRA (NB0344) |
| <C> | 2178265.0551-EMC |

- 21 Zariadenia
22 Pabata
23 Priezmes
24 Poznámka
25 Not

- 21 Zariadenia
22 Pabata
23 Priezmes
24 Poznámka
25 Not

- 13 Informator
14 Merk
15 Huom
16 Poznámka
17 Napomena
18 Informator
19 Merk
20 Huom
21 Poznámka
22 Napomena


- 13 Informator
14 Merk
15 Huom
16 Poznámka
17 Napomena
18 Informator
19 Merk
20 Huom
21 Poznámka
22 Napomena

- 13 Informator
14 Merk
15 Huom
16 Poznámka
17 Napomena
18 Informator
19 Merk
20 Huom
21 Poznámka
22 Napomena

- 07 H DICZ^{***} řízení konstrukčního procesu
08 A DICZ^{***} est autorizată a completa documentația tehnica de fabrica
09 Konvencija DICZ^{***} pripisuje se odgovornost za dokumentaciju
10 DICZ^{***} je autorizována při udrbch technické konstrukce
11 DICZ^{***} je hmoimadiga ad samantabla den teknishe konstruktsionifien
12 DICZ^{***} har tillatelse till å kompletta tekniske konstruksjonsfiler.
13* DICZ^{***} on valituille toiminnalle tekniikan asiakirjan
14* Spöekhöms DICZ^{***} mä on rävänil ke kompleti sntuoro teknische konstruktsioni
15* DICZ^{***} je ovlašćen za izradu tehničke dokumentacije konstrukcije
16* A DICZ^{***} pripisiva je odgovornost za dokumentaciju konstrukcije
17* DICZ^{***} je autorizovaná ad zberania i opracovávanía dokumentácie konstrukčnej
18* DICZ^{***} este autorizată să completeze Dosarul tehnic de construcție
19* DICZ^{***} je pooblaščen za sestavo tehniške dokumentacije
20* DICZ^{***} on valitud kosanna tehni si dokumentatsioonil
21* DICZ^{***} je ovlašćen na osnaru Arta za reuissanje konstrukcije
22* DICZ^{***} je pripisova sudariti tehniške konstrukcijske filia
23* DICZ^{***} ir autorizats sastāti tehniško dokumentāciju
24* Spöekhöms DICZ^{***} je grāmēna izvort štāoro tehničke konstruktsiie
25* DICZ^{***} Technik Yapi Dosyasini tehniketele jettuldu:

- 07 H DICZ^{***} řízení konstrukčního procesu
08 A DICZ^{***} est autorizată a completa documentația tehnica de fabrica
09 Konvencija DICZ^{***} pripisuje se odgovornost za dokumentaciju
10 DICZ^{***} je autorizována při udrbch technické konstrukce
11 DICZ^{***} je hmoimadiga ad samantabla den teknishe konstruktsionifien
12 DICZ^{***} har tillatelse till å kompletta tekniske konstruksjonsfiler.
13* DICZ^{***} on valituille toiminnalle tekniikan asiakirjan
14* Spöekhöms DICZ^{***} mä on rävänil ke kompleti sntuoro teknische konstruktsioni
15* DICZ^{***} je ovlašćen za izradu tehničke dokumentacije konstrukcije
16* A DICZ^{***} pripisiva je odgovornost za dokumentaciju konstrukcije
17* DICZ^{***} je autorizovaná ad zberania i opracovávanía dokumentácie konstrukčnej
18* DICZ^{***} este autorizată să completeze Dosarul tehnic de construcție
19* DICZ^{***} je pooblaščen za sestavo tehniške dokumentacije
20* DICZ^{***} on valitud kosanna tehni si dokumentatsioonil
21* DICZ^{***} je ovlašćen na osnaru Arta za reuissanje konstrukcije
22* DICZ^{***} je pripisova sudariti tehniške konstrukcijske filia
23* DICZ^{***} ir autorizats sastāti tehniško dokumentāciju
24* Spöekhöms DICZ^{***} je grāmēna izvort štāoro tehničke konstruktsiie
25* DICZ^{***} Technik Yapi Dosyasini tehniketele jettuldu:

3P480520-7B



Yasuto Hiraoka
Managing Director
Pilsen, 1st of November 2018

Yasuto Hiraoka

DAIKIN INDUSTRIES CZECH REPUBLIC s.r.o.
U Nové Hospody 1/1155, 301 00 Pilsen Skvrňany,
Czech Republic

Table of contents

Table of contents

| | |
|---|-----------|
| 1 About the documentation | 4 |
| 1.1 About this document..... | 4 |
| For the installer | |
| 2 About the box | 5 |
| 2.1 Indoor unit | 5 |
| 2.1.1 To remove the accessories from the indoor unit..... | 5 |
| 3 Preparation | 5 |
| 3.1 Preparing the installation site | 5 |
| 3.1.1 Installation site requirements of the indoor unit | 5 |
| 4 Installation | 5 |
| 4.1 Mounting the indoor unit..... | 5 |
| 4.1.1 Guidelines when installing the indoor unit..... | 5 |
| 4.1.2 Guidelines when installing the drain piping..... | 6 |
| 4.2 Connecting the refrigerant piping | 8 |
| 4.2.1 To connect the refrigerant piping to the indoor unit | 8 |
| 4.2.2 To check for leaks | 8 |
| 4.3 Connecting the electrical wiring..... | 8 |
| 4.3.1 Specifications of standard wiring components..... | 9 |
| 4.3.2 To connect the electrical wiring on the indoor unit..... | 9 |
| 5 Configuration | 9 |
| 5.1 Field settings | 9 |
| 6 Commissioning | 10 |
| 6.1 Checklist before commissioning..... | 10 |
| 6.2 To perform a test run..... | 10 |
| 6.3 Error codes when performing a test run | 11 |
| 7 Disposal | 12 |
| 8 Technical data | 12 |
| 8.1 Piping diagram: Indoor unit | 12 |
| 8.2 Wiring diagram | 13 |
| For the user | |
| 9 About the system | 14 |
| 9.1 System layout..... | 14 |
| 9.2 User interface | 14 |
| 10 Operation | 14 |
| 10.1 Operation range | 14 |
| 10.2 Operating the system | 15 |
| 10.2.1 About operating the system | 15 |
| 10.2.2 About cooling, heating, fan only, and automatic operation..... | 15 |
| 10.2.3 About the heating operation..... | 15 |
| 10.2.4 To operate the system | 15 |
| 10.3 Using the dry program..... | 15 |
| 10.3.1 About the dry program | 15 |
| 10.3.2 To use the dry program..... | 15 |
| 10.4 Adjusting the air flow direction..... | 15 |
| 10.4.1 About the air flow flap | 15 |
| 11 Maintenance and service | 16 |
| 11.1 Cleaning the air filter, suction grille, air outlet and outside panels | 16 |
| 11.1.1 To clean the air filter | 16 |
| 11.1.2 To clean the suction grille | 17 |
| 11.1.3 To clean the air outlet and outside panels | 17 |
| 11.2 Maintenance after a long stop period | 17 |

| | |
|--|----|
| 11.3 Maintenance before a long stop period | 17 |
| 11.4 About the refrigerant..... | 18 |

12 Troubleshooting **18**

| | |
|--|----|
| 12.1 Symptoms that are NOT system malfunctions | 18 |
| 12.1.1 Symptom: The system does not operate | 18 |
| 12.1.2 Symptom: The fan speed does not correspond to the setting | 19 |
| 12.1.3 Symptom: The fan direction does not correspond to the setting | 19 |
| 12.1.4 Symptom: White mist comes out of a unit (Indoor unit) | 19 |
| 12.1.5 Symptom: White mist comes out of a unit (Indoor unit, outdoor unit)..... | 19 |
| 12.1.6 Symptom: The user interface display reads "U4" or "U5" and stops, but then restarts after a few minutes.. | 19 |
| 12.1.7 Symptom: Noise of air conditioners (Indoor unit)..... | 19 |
| 12.1.8 Symptom: Noise of air conditioners (Indoor unit, outdoor unit)..... | 19 |
| 12.1.9 Symptom: Noise of air conditioners (Outdoor unit) | 19 |
| 12.1.10 Symptom: Dust comes out of the unit | 19 |
| 12.1.11 Symptom: The units can give off odours..... | 19 |
| 12.1.12 Symptom: The outdoor unit fan does not spin | 19 |
| 12.1.13 Symptom: The display shows "88"..... | 19 |
| 12.1.14 Symptom: The compressor in the outdoor unit does not stop after a short heating operation | 19 |

13 Relocation **19**

14 Disposal **19**

1 About the documentation

1.1 About this document

Target audience

Authorised installers + end users



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.

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 indoor unit)
- **Indoor unit installation and operation manual:**
 - Installation and operation instructions
 - Format: Paper (in the box of the indoor unit)
- **Installer and user reference guide:**
 - Preparation of the installation, good practices, reference data,...
 - Detailed step-by-step instructions and background information for basic and advanced usage
 - 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 extranet (authentication required).

For the installer

2 About the box

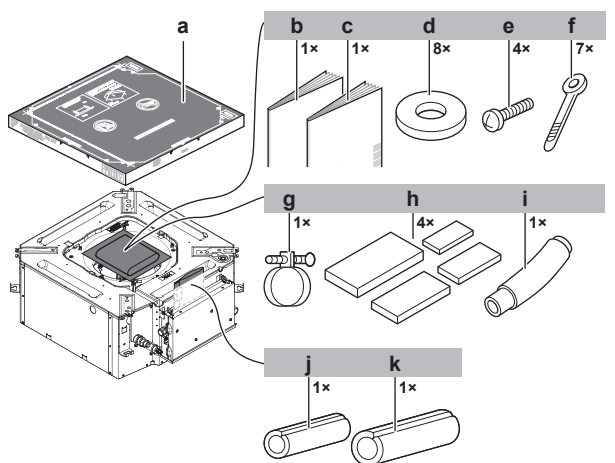
2.1 Indoor unit



WARNING: FLAMMABLE MATERIAL

The R32 refrigerant (if applicable) in this unit is mildly flammable. Refer to the outdoor unit specifications for the type of refrigerant to be used.

2.1.1 To remove the accessories from the indoor unit



- a Paper pattern for installation (upper part of packing)
- b General safety precautions
- c Indoor unit installation and operation manual
- d Washers for hanger bracket
- e Screws
- f Cable ties
- g Metal clamp
- h Sealing pads: Large (drain pipe), medium 1 (gas pipe), medium 2 (liquid pipe), small (electrical wiring)
- i Drain hose
- j Insulation piece: Small (liquid pipe)
- k Insulation piece: Large (gas pipe)

3 Preparation

3.1 Preparing the installation site

3.1.1 Installation site requirements of the indoor unit



INFORMATION

The sound pressure level is less than 70 dBA.

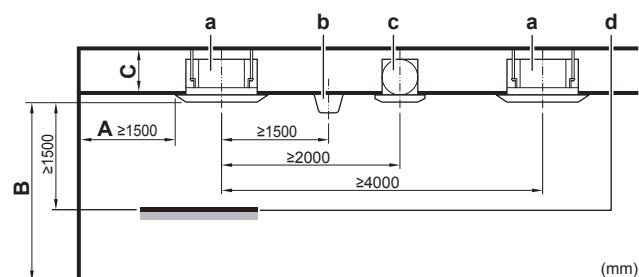


CAUTION

Appliance not accessible to the general public, install it in a secured area, protected from easy access.

This unit, both indoor and outdoor, is suitable for installation in a commercial and light industrial environment.

- Spacing.** Mind the following requirements:



- A Minimum distance to the wall
- B Minimum and maximum distance to the floor (see below)
- C ≥ 295 mm: In case of installation with BYFQ60B
 ≥ 300 mm: In case of installation with BYFQ60C
- a Indoor unit
- b Lighting (the figure shows ceiling-mounted lighting, but recessed lighting is also allowed)
- c Air fan
- d Static volume (example: table)

- Minimum and maximum distance to the floor:**

- Minimum: 2.5 m to avoid accidental touching.
- Maximum: Depends on the air flow directions and the capacity class. Also make sure the "Ceiling height" field setting corresponds with the actual situation. See ["5.1 Field settings" on page 9](#).

4 Installation

4.1 Mounting the indoor unit

4.1.1 Guidelines when installing the indoor unit



INFORMATION

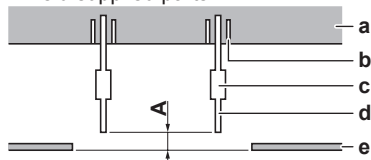
Optional equipment. When installing optional equipment, also read the installation manual of the optional equipment. Depending on the field conditions, it might be easier to install the optional equipment first.

- Decoration panel.** Install the decoration panel always **after** installing the unit.

4 Installation

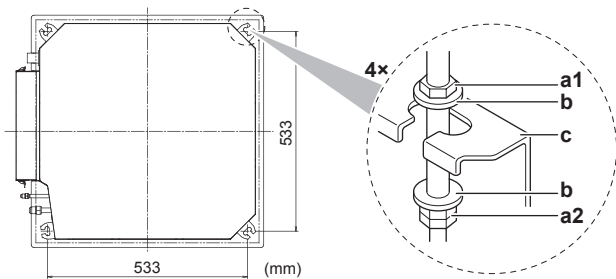
- **Ceiling strength.** Check whether the ceiling is strong enough to support the weight of the unit. If there is a risk, reinforce the ceiling before installing the unit.

- For existing ceilings, use anchors.
- For new ceilings, use sunken inserts, sunken anchors or other field supplied parts.



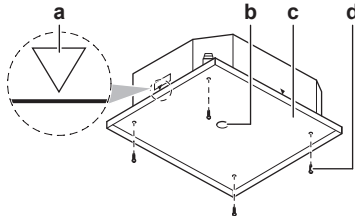
- A** 50~100 mm
a Ceiling slab
b Anchor
c Long nut or turnbuckle
d Suspension bolt
e Suspended ceiling

- **Suspension bolts.** Use M8~M10 suspension bolts for installation. Attach the hanger bracket to the suspension bolt. Fix it securely using a nut and washer from the upper and lower sides of the hanger bracket.



- a1** Nut (field supply)
a2 Double nut (field supply)
b Washer (accessories)
c Hanger bracket (attached to the unit)

- **Paper pattern for installation** (upper part of the packing). Use the paper pattern to determine the correct horizontal positioning. It contains the necessary dimensions and centers. You can attach the paper pattern to the unit.



- a** Centre of the unit
b Centre of the ceiling opening
c Paper pattern for installation (upper part of the packing)
d Screws (accessories)

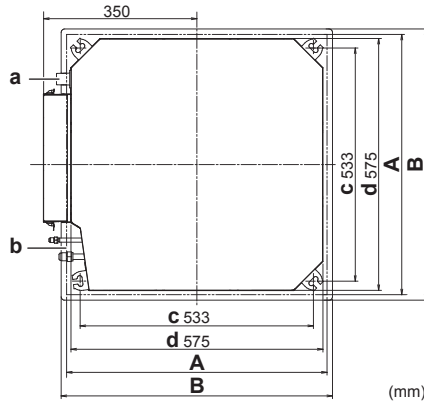
- **Ceiling opening and unit:**

- Make sure the ceiling opening is within the following limits:

Minimum: 585 mm to be able to fit the unit.

Maximum: 660 mm in case of installation with BYFQ60B and 595 mm in case of installation with BYFQ60C ensure enough overlapping between the decoration panel and the suspended ceiling. If the ceiling opening is larger, add extra ceiling material.

- Make sure the unit and its hanger brackets (suspension) are centered within the ceiling opening.

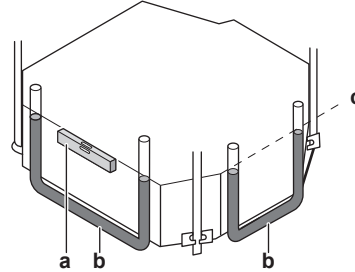


- A** 585~660 mm: In case of installation with BYFQ60B
 585~595 mm: In case of installation with BYFQ60C
B 700 mm: In case of installation with BYFQ60B
 620 mm: In case of installation with BYFQ60C
a Drain piping
b Refrigerant piping
c Hanger bracket pitch (suspension)
d Unit

| | Then | | |
|--|---------|---------|---------|
| | If A | B | C |
| | BYFQ60B | | |
| | ≥585 mm | 5 mm | 57.5 mm |
| | ≤660 mm | 42.5 mm | 20 mm |
| | BYFQ60C | | |
| | ≥585 mm | 5 mm | 17.5 mm |
| | ≤595 mm | 10 mm | 12.5 mm |

- A** Ceiling opening
B Distance between the unit and the ceiling opening
C Overlap between the decoration panel and the suspended ceiling

- **Level.** Make sure the unit is level at all 4 corners using a level or a water-filled vinyl tube.



- a** Level
b Vinyl tube
c Water level



NOTICE

Do NOT install the unit tilted. **Possible consequence:** If the unit is tilted against the direction of the condensate flow (the drain piping side is raised), the float switch might malfunction and cause water to drip.

4.1.2 Guidelines when installing the drain piping

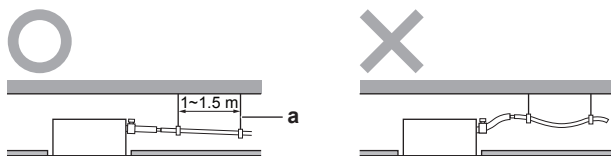
Make sure condensation water can be evacuated properly. This involves:

- General guidelines
- Connecting the drain piping to the indoor unit
- Checking for water leaks

General guidelines

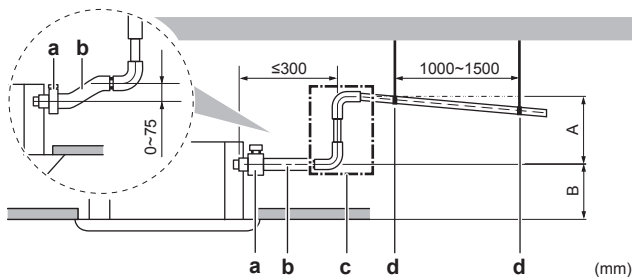
- **Pipe length.** Keep drain piping as short as possible.

- **Pipe size.** Keep the pipe size equal to or greater than that of the connecting pipe (vinyl pipe of 25 mm nominal diameter and 32 mm outer diameter).
- **Slope.** Make sure the drain piping slopes down (at least 1/100) to prevent air from being trapped in the piping. Use hanging bars as shown.



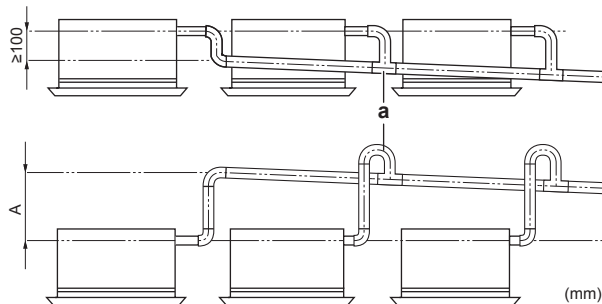
- a Hanging bar
- O Allowed
- X Not allowed

- **Condensation.** Take measures against condensation. Insulate the complete drain piping in the building.
- **Rising piping.** If necessary to make the slope possible, you can install rising piping.
 - Drain hose inclination: 0~75 mm to avoid stress on the piping and to avoid air bubbles.
 - Rising piping: ≤300 mm from the unit, ≤630~675 mm (depending on the decoration panel used) perpendicular to the unit.



- A ≤645 mm: In case of installation with BYFQ60B
- ≤630 mm: In case of installation with BYFQ60C
- B 205 mm: In case of installation with BYFQ60B
- 220 mm: In case of installation with BYFQ60C
- a Metal clamp (accessory)
- b Drain hose (accessory)
- c Rising drain piping (vinyl pipe of 25 mm nominal diameter and 32 mm outer diameter) (field supply)
- d Hanging bars (field supply)

- **Combining drain pipes.** You can combine drain pipes. Make sure to use drain pipes and T-joints with the correct gauge for the operating capacity of the units.



- A ≤645 mm: In case of installation with BYFQ60B
- ≤630 mm: In case of installation with BYFQ60C
- a T-joint

To connect the drain piping to the indoor unit

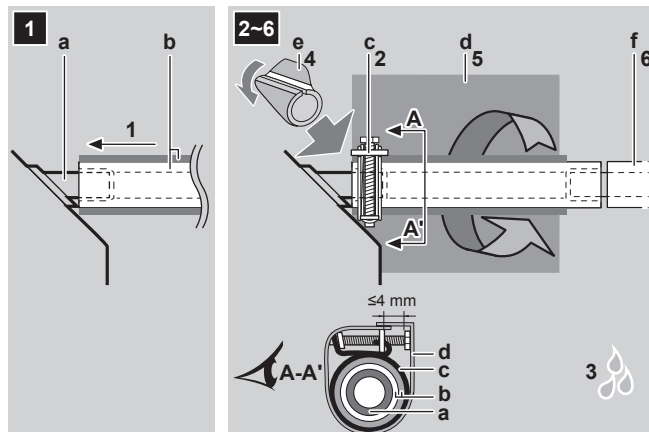


NOTICE

Incorrect connection of the drain hose might cause leaks, and damage the installation space and surroundings.

- 1 Push the drain hose as far as possible over the drain pipe connection.

- 2 Tighten the metal clamp until the screw head is less than 4 mm from the metal clamp part.
- 3 Check for water leaks (see "To check for water leaks" on page 7).
- 4 Install the insulation piece (drain pipe).
- 5 Wind the large sealing pad (= insulation) around the metal clamp and drain hose, and fix it with cable ties.
- 6 Connect the drain piping to the drain hose.



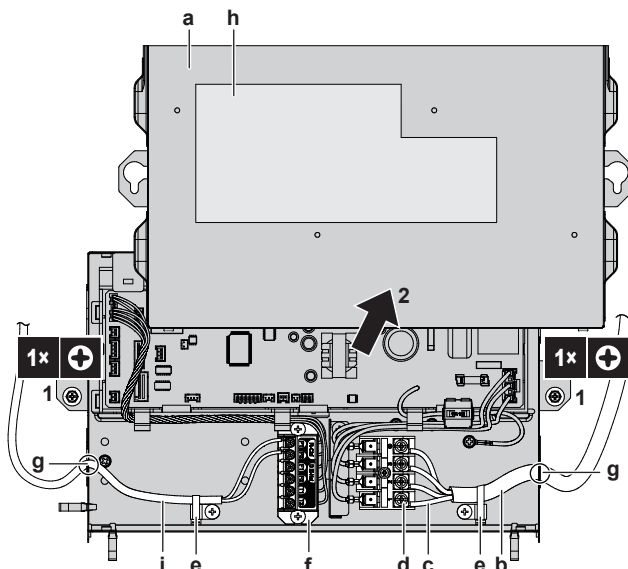
- a Drain pipe connection (attached to the unit)
- b Drain hose (accessory)
- c Metal clamp (accessory)
- d Large sealing pad (accessory)
- e Insulation piece (drain pipe) (accessory)
- f Drain piping (field supply)

To check for water leaks

The procedure differs depending on whether electrical wiring is already finished. When electrical wiring is not finished yet, you need to temporarily connect the user interface and power supply to the unit.

When electrical wiring is not finished yet

- 1 Temporarily connect electrical wiring.
 - Remove the control box cover (a).
 - Connect the single-phase power supply (50 Hz, 230 V) to connections No. 1 and No. 2 on the terminal block for power supply (d) and earth (c).
 - Reattach the control box cover (a).

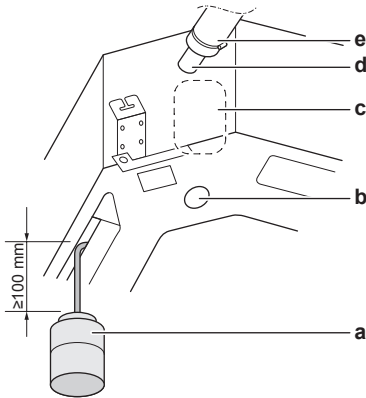


- a Control box cover
- b Inter-unit wiring
- c Earth cable
- d Terminal block for power supply

4 Installation

- e Clamp
- f Terminal board for transmission wiring
- g Opening for cables
- h Wiring diagram label (on the back of the control box lid)
- i Remote controller wiring

- 2 Turn ON the power.
- 3 Start cooling operation (see "6.2 To perform a test run" on page 10).
- 4 Gradually pour approximately 1 l of water through the air discharge outlet, and check for leaks.



- a Plastic watering can
- b Service drain outlet (with rubber plug). Use this outlet to drain water from the drain pan.
- c Drain pump location
- d Drain pipe connection
- e Drain pipe

- 5 Turn OFF the power.
- 6 Disconnect the electrical wiring.
 - Remove the control box cover.
 - Disconnect the power supply and earth.
 - Reattach the control box cover.

When electrical wiring is finished already

- 1 Start cooling operation (see "6.2 To perform a test run" on page 10).
- 2 Gradually pour approximately 1 l of water through the air discharge outlet, and check for leaks (see "When electrical wiring is not finished yet" on page 7).

4.2 Connecting the refrigerant piping



DANGER: RISK OF BURNING

4.2.1 To connect the refrigerant piping to the indoor unit



CAUTION

Install refrigerating pipe or components in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.

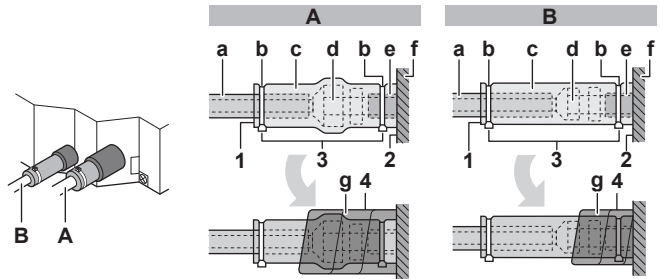


WARNING: FLAMMABLE MATERIAL

The R32 refrigerant (if applicable) in this unit is mildly flammable. Refer to the outdoor unit specifications for the type of refrigerant to be used.

- **Pipe length.** Keep refrigerant piping as short as possible.
- **Flare connections.** Connect refrigerant piping to the unit using flare connections.

- **Insulation.** Insulate the refrigerant piping on the indoor unit as follows:



- A Gas piping
- B Liquid piping

- a Insulation material (field supply)
- b Cable tie (accessory)
- c Insulation pieces: Large (gas pipe), small (liquid pipe) (accessories)
- d Flare nut (attached to the unit)
- e Refrigerant pipe connection (attached to the unit)
- f Unit
- g Sealing pads: Medium 1 (gas pipe), medium 2 (liquid pipe) (accessories)

- 1 Turn up the seams of the insulation pieces.
- 2 Attach to the base of the unit.
- 3 Tighten the cable ties on the insulation pieces.
- 4 Wrap the sealing pad from the base of the unit to the top of the flare nut.



NOTICE

Make sure to insulate all refrigerant piping. Any exposed piping might cause condensation.

4.2.2 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 Connecting the electrical wiring



DANGER: RISK OF ELECTROCUTION



WARNING

ALWAYS use multicore cable for power supply cables.



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.

4.3.1 Specifications of standard wiring components

| Component | Specification |
|--|--|
| Interconnection cable (indoor↔outdoor) | Minimum cable section of 2.5 mm ² and applicable for 230 V |
| User interface cable | Vinyl cords with 0.75 to 1.25 mm ² sheath or cables (2-core wires) Maximum 500 m |

4.3.2 To connect the electrical wiring on the indoor unit



NOTICE

- Follow the wiring diagram (delivered with the unit, located at the inside of the service cover).
- For instructions on how to connect the decoration panel and the sensor kit, see the wiring instruction sheet (delivered with the unit, inside the accessory bag).
- Make sure the electrical wiring does NOT obstruct proper reattachment of the service cover.

It is important to keep the power supply and the transmission wiring separated from each other. In order to avoid any electrical interference the distance between both wirings should ALWAYS be at least 50 mm.



NOTICE

Be sure to keep the power line and transmission line apart from each other. Transmission wiring and power supply wiring may cross, but may NOT run parallel.

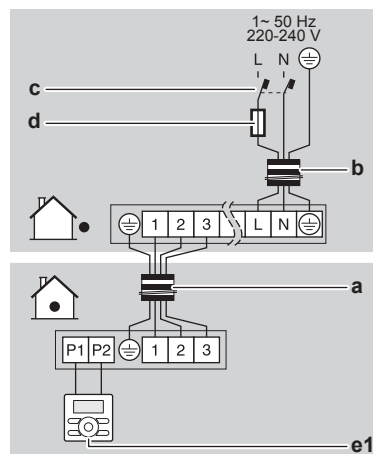
- Remove the service cover.
- User interface cable:** Route the cable through the frame, connect the cable to the terminal block, and fix the cable with a cable tie.
- Interconnection cable (indoor↔outdoor):** Route the cable through the frame, connect the cable to the terminal block (make sure the numbers match with the numbers on the outdoor unit, and connect the earth wire), and fix the cable with a cable tie.
- Divide the small sealing (accessory) and wrap it around the cables to prevent water from entering the unit. Seal all gaps to prevent small animals from entering the system.



WARNING

Provide adequate measures to prevent that the unit can be used as a shelter by small animals. Small animals that make contact with electrical parts can cause malfunctions, smoke or fire.

- Reattach the service cover.
- Following installation is for pair type or multi-system. For more installation options, see the Installer reference guide of the indoor unit.



- a Interconnection cable
- b Power supply cable
- c Earth leakage circuit breaker
- d Fuse
- e1 Main user interface

5 Configuration

5.1 Field settings

Make the following field settings so that they correspond with the actual installation setup and with the needs of the user:

- Ceiling height
- Air flow direction
- Air volume when thermostat control is OFF
- Time to clean air filter

Setting: Ceiling height

This setting must correspond with the actual distance to the floor, capacity class and air flow directions.

- For 3-way and 4-way air flows (which require an optional blocking pad kit), see the installation manual of the optional blocking pad kit.
- For all-round air flow, use the table below.

| If the distance to the floor is (m) | Then ¹ | | |
|-------------------------------------|-------------------|----|----|
| | M | C1 | C2 |
| ≤2.7 | 13 (23) | 0 | 01 |
| 2.7<x≤3.0 | | | 02 |
| 3.0<x≤3.5 | | | 03 |

Setting: Air flow direction

This setting must correspond with the actual used air flow directions. See the installation manual of the optional blocking pad kit and the manual of the user interface.

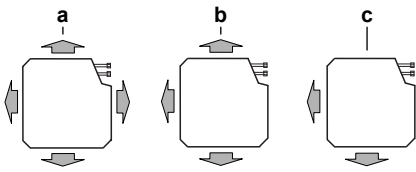
Default: 01 (= all-round air flow)

Example:

⁽¹⁾ Field settings are defined as follows:

- M:** Mode number – **First number:** for group of units – **Number between brackets:** for individual unit
- C1:** First code number
- C2:** Second code number
- :** Default

6 Commissioning



- a All-round air flow
 b 3-way air flow (1 air outlet closed) (optional blocking pad kit required)
 c 2-way air flow (2 air outlets closed) (optional blocking pad kit required)

Setting: Air volume when thermostat control is OFF

This setting must correspond with the needs of the user. It determines the fan speed of the indoor unit during thermostat OFF condition.

- 1 If you have set the fan to operate, set the air volume speed:

| | If you want | | Then ¹ | | |
|--------------------------|---------------------------|---------------------------|-------------------|----|----|
| | General | 2MX/3MX/4M X/5MX | M | C1 | C2 |
| During cooling operation | LL ² | | 12 (22) | 6 | 01 |
| | Setup volume ² | | | | 02 |
| During heating operation | LL ² | Monitoring 1 ² | 12 (22) | 3 | 01 |
| | Setup volume ² | Monitoring 2 ² | | | 02 |

Setting: Time to clean air filter

This setting must correspond with the air contamination in the room. It determines the interval at which the **TIME TO CLEAN AIR FILTER** notification is displayed on the user interface. When using a wireless user interface, you must also set the address (see the installation manual of the user interface).

| If you want an interval of... (air contamination) | Then ¹ | | |
|--|-------------------|----|----|
| | M | C1 | C2 |
| ±2500 h (light) | 10 (20) | 0 | 01 |
| ±1250 h (heavy) | | | 02 |
| No notification | | 3 | 02 |

6 Commissioning



NOTICE

NEVER operate the unit without thermistors and/or pressure sensors/switches. Burning of the compressor might result.

6.1 Checklist before commissioning

After the installation of the unit, first check the following items. Once all below checks are fulfilled, the unit **MUST** be closed, **ONLY** then can the unit be powered up.

⁽¹⁾ Field settings are defined as follows:

- **M**: Mode number – **First number**: for group of units – **Number between brackets**: for individual unit
- **C1**: First code number
- **C2**: Second code number
- **■**: Default

⁽²⁾ Fan speed:

- **LL**: Low fan speed
- **Setup volume**: The fan speed corresponds to the speed the user has set (low, medium, high) using the fan speed button on the user interface.
- **Monitoring 1, 2**: The fan is OFF, but runs for a short time every 6 minutes to detect the room temperature by Low fan speed (1) or by Setup volume (2).

| | |
|--------------------------|--|
| <input type="checkbox"/> | You read the complete installation instructions, as described in the installer reference guide . |
| <input type="checkbox"/> | The indoor units are properly mounted. |
| <input type="checkbox"/> | In case a wireless user interface is used: The indoor unit decoration panel with infrared receiver is installed. |
| <input type="checkbox"/> | The outdoor unit is properly mounted. |
| <input type="checkbox"/> | There are NO missing phases or reversed phases . |
| <input type="checkbox"/> | The system is properly earthed and the earth terminals are tightened. |
| <input type="checkbox"/> | The fuses or locally installed protection devices are installed according to this document, and have NOT been bypassed. |
| <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"/> | The insulation resistance of the compressor is OK. |
| <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 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. |

6.2 To perform a test run

This task is only applicable when using the BRC1E52 or BRC1E53 user interface. When using any other user interface, see the installation manual or service manual of the user interface.



NOTICE

Do not interrupt the test run.

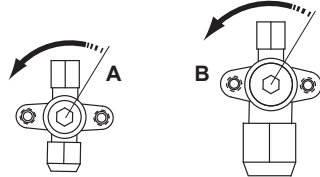


INFORMATION

Backlight. To perform an ON/OFF action on the user interface, the backlight does not need to be lit. For any other action, it needs to be lit first. The backlight is lit for ±30 seconds when you press a button.

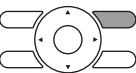
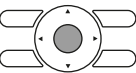
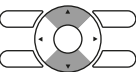
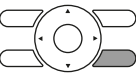
- 1 Perform introductory steps.

| # | Action |
|---|---|
| 1 | Open the liquid stop valve (A) and gas stop valve (B) by removing the stem cap and turning counterclockwise with a hex wrench until it stops. |
| 2 | Close the service cover to prevent electric shocks. |
| 3 | Turn ON power for at least 6 hours before starting operation to protect the compressor. |
| 4 | On the user interface, set the unit to cooling operation mode. |



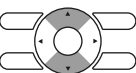
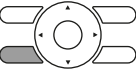
2 Start the test run

| # | Action | Result |
|---|---------------------------|---|
| 1 | Go to the home menu. | |
| 2 | Press at least 4 seconds. | The Service Settings menu is displayed. |
| 3 | Select Test Operation. | |
| 4 | Press. | Test Operation is displayed on the home menu. |
| 5 | Press within 10 seconds. | Test run starts. |

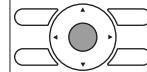


- 3 Check operation for 3 minutes.
- 4 Check operation of the airflow direction.

| # | Action | Result |
|---|----------------------|--|
| 1 | Press. | |
| 2 | Select Position 0. | |
| 3 | Change the position. | If the airflow flap of the indoor unit moves, operation is OK. If not, operation is not OK. |

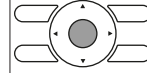
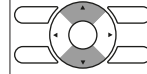


| # | Action | Result |
|---|--------|-----------------------------|
| 4 | Press. | The home menu is displayed. |



5 Stop the test run.

| # | Action | Result |
|---|---------------------------|---|
| 1 | Press at least 4 seconds. | The Service Settings menu is displayed. |
| 2 | Select Test Operation. | |
| 3 | Press. | The unit returns to normal operation, and the home menu is displayed. |



6.3 Error codes when performing a test run

If the installation of the outdoor unit has NOT been done correctly, the following error codes may be displayed on the user interface:

| Error code | Possible cause |
|--|--|
| Nothing displayed (the currently set temperature is not displayed) | <ul style="list-style-type: none"> The wiring is disconnected or there is a wiring error (between power supply and outdoor unit, between outdoor unit and indoor units, between indoor unit and user interface). The fuse on the outdoor or indoor unit PCB has blown. |
| E3, E4 or L8 | <ul style="list-style-type: none"> The stop valves are closed. The air inlet or air outlet is blocked. |
| E7 | <p>There is a missing phase in case of three-phase power supply units.</p> <p>Note: Operation will be impossible. Turn OFF the power, recheck the wiring, and switch two of the three electrical wires.</p> |
| L4 | The air inlet or air outlet is blocked. |
| U0 | The stop valves are closed. |
| U2 | <ul style="list-style-type: none"> There is a voltage imbalance. There is a missing phase in case of three-phase power supply units. Note: Operation will be impossible. Turn OFF the power, recheck the wiring, and switch two of the three electrical wires. |
| U4 or UF | The inter-unit branch wiring is not correct. |
| UA | The outdoor and indoor unit are incompatible. |

7 Disposal

7 Disposal

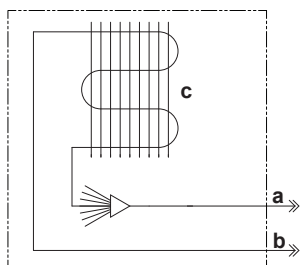
NOTICE

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





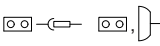











- A **subset** of the latest technical data is available on the regional Daikin website (publicly accessible).
- The **full set** of latest technical data is available on the Daikin extranet (authentication required).

8.1 Piping diagram: Indoor unit



- a** Liquid pipe connection
- b** Gas pipe connection
- c** Heat exchanger

8.2 Wiring diagram

| 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 symbol "*" in the part code. | | | | | |
|  | : | 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 |
| BLK : BLACK | GRN : GREEN | PNK : PINK | WHT : WHITE | | |
| BLU : BLUE | GRY : GREY | PRP, PPL : PURPLE | YLW : YELLOW | | |
| BRN : BROWN | ORG : ORANGE | RED : RED | | | |
| A*P | : | PRINTED CIRCUIT BOARD | PS | : | SWITCHING POWER SUPPLY |
| BS* | : | PUSHBUTTON ON/OFF, OPERATION SWITCH | PTC* | : | THERMISTOR PTC |
| BZ, H*O | : | BUZZER | Q* | : | INSULATED GATE BIPOLAR TRANSISTOR (IGBT) |
| C* | : | CAPACITOR | Q*DI | : | EARTH LEAK CIRCUIT BREAKER |
| AC*, CN*, E*, HA*, HE*, HL*, HN*, HR*, MR*_A, MR*_B, S*, U, V, W, X*A, K*R_* | : | CONNECTION, CONNECTOR | Q*L | : | OVERLOAD PROTECTOR |
| D*, V*D | : | DIODE | Q*M | : | THERMO SWITCH |
| DB* | : | DIODE BRIDGE | R* | : | RESISTOR |
| DS* | : | DIP SWITCH | R*T | : | THERMISTOR |
| E*H | : | HEATER | RC | : | RECEIVER |
| F*U, FU* (FOR CHARACTERISTICS, REFER TO PCB INSIDE YOUR UNIT) | : | FUSE | S*C | : | LIMIT SWITCH |
| FG* | : | CONNECTOR (FRAME GROUND) | S*L | : | FLOAT SWITCH |
| H* | : | HARNESS | S*NPH | : | PRESSURE SENSOR (HIGH) |
| H*P, LED*, V*L | : | PILOT LAMP, LIGHT EMITTING DIODE | S*NPL | : | PRESSURE SENSOR (LOW) |
| HAP | : | LIGHT EMITTING DIODE (SERVICE MONITOR GREEN) | S*PH, HPS* | : | PRESSURE SWITCH (HIGH) |
| HIGH VOLTAGE | : | HIGH VOLTAGE | S*PL | : | PRESSURE SWITCH (LOW) |
| IES | : | INTELLIGENT EYE SENSOR | S*T | : | THERMOSTAT |
| IPM* | : | INTELLIGENT POWER MODULE | S*RH | : | HUMIDITY SENSOR |
| K*R, KCR, KFR, KHuR, K*M | : | MAGNETIC RELAY | S*W, SW* | : | OPERATION SWITCH |
| L | : | LIVE | SA*, F1S | : | SURGE ARRESTOR |
| L* | : | COIL | SR*, WLU | : | SIGNAL RECEIVER |
| L*R | : | REACTOR | SS* | : | SELECTOR SWITCH |
| M* | : | STEPPER MOTOR | SHEET METAL | : | TERMINAL STRIP FIXED PLATE |
| M*C | : | COMPRESSOR MOTOR | T*R | : | TRANSFORMER |
| M*F | : | FAN MOTOR | TC, TRC | : | TRANSMITTER |
| M*P | : | DRAIN PUMP MOTOR | V*, R*V | : | VARISTOR |
| M*S | : | SWING MOTOR | V*R | : | DIODE BRIDGE |
| MR*, MRCW*, MRM*, MRN* | : | MAGNETIC RELAY | WRC | : | WIRELESS REMOTE CONTROLLER |
| N | : | NEUTRAL | X* | : | TERMINAL |
| n=*, N=* | : | NUMBER OF PASSES THROUGH FERRITE CORE | X*M | : | TERMINAL STRIP (BLOCK) |
| PAM | : | PULSE-AMPLITUDE MODULATION | Y*E | : | ELECTRONIC EXPANSION VALVE COIL |
| PCB* | : | PRINTED CIRCUIT BOARD | Y*R, Y*S | : | REVERSING SOLENOID VALVE COIL |
| PM* | : | POWER MODULE | Z*C | : | FERRITE CORE |
| | | | ZF, Z*F | : | NOISE FILTER |

9 About the system

For the user

9 About the system

The indoor unit of this split system air conditioner can be used for heating/cooling applications.

NOTICE

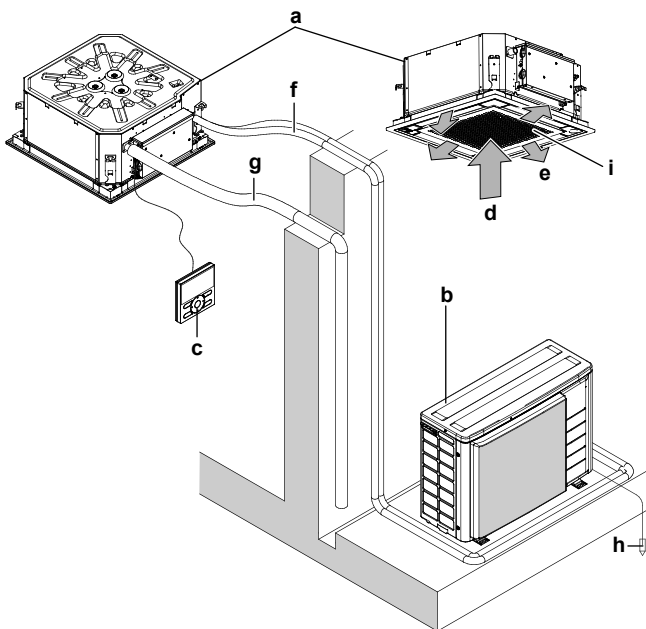
Do NOT use the system for other purposes. In order to avoid any quality deterioration, do NOT use the unit for cooling precision instruments, food, plants, animals, or works of art.

NOTICE

For future modifications or expansions of your system:

A full overview of allowable combinations (for future system extensions) is available in technical engineering data and should be consulted. Contact your installer to receive more information and professional advice.

9.1 System layout



- a Indoor unit
- b Outdoor unit
- c User interface
- d Suction air
- e Discharge air
- f Refrigerant piping + interconnection cable
- g Drain pipe
- h Earth wiring
- i Suction grille and air filter

9.2 User interface

CAUTION

- NEVER touch the internal parts of the controller.
- Do NOT remove the front panel. Some parts inside are dangerous to touch and appliance problems may happen. For checking and adjusting the internal parts, contact your dealer.

This operation manual will give a non-exhaustive overview of the main functions of the system.

For more information about the user interface, see the operation manual of the installed user interface.

10 Operation

10.1 Operation range

Use the system in the following temperature and humidity ranges for safe and effective operation.

For combination with R410A outdoor unit, refer to the following table:

| Outdoor units | | Cooling | Heating |
|----------------------------------|--|--------------------------|------------------------------|
| RR71~125 | | -15~46°C DB | — |
| | | 18~37°C DB 12~28°C WB | — |
| RQ71~125 | | -5~46°C DB | -9~21°C DB -10~15°C WB |
| | | 18~37°C DB 12~28°C WB | 10~27°C DB |
| RXS25~60 | | -10~46°C DB | -15~24°C DB -16~18°C WB |
| | | 18~32°C DB | 10~30°C DB |
| 2MXS50 | | 10~46°C DB | -15~24°C DB -16~18°C WB |
| | | 18~32°C DB | 10~30°C DB |
| 3MXS40~68 4MXS68~80 5MXS90 | | -10~46°C DB | -15~24°C DB -16~18°C WB |
| | | 18~32°C DB | 10~30°C DB |
| RZQG71~140 | | -15~50°C DB | -19~21°C DB -20~15.5°C WB |
| | | 18~37°C DB 12~28°C WB | 10~27°C DB |
| RZQSG71~140 | | -15~46°C DB | -14~21°C DB -15~15.5°C WB |
| | | 20~37°C DB 14~28°C WB | 10~27°C DB |
| RZQ200~250 | | -5~46°C DB | -14~21°C DB -15~15°C WB |
| | | 20~37°C DB 14~28°C WB | 10~27°C DB |

For combination with R32 outdoor unit, refer to the following table:

| Outdoor units | | Cooling | Heating |
|---------------|--|-------------|----------------------------|
| RXM25~60 | | -10~46°C DB | -15~24°C DB -16~18°C WB |
| | | 18~32°C DB | 10~30°C DB |

| Outdoor units | | Cooling | Heating |
|-----------------|--|---------------------|---------------|
| 2MXM50 | | -10~46°C DB | -15~24°C DB |
| 3MXM40~68 | | | -16~18°C WB |
| 4MXM68~80 | | 18~32°C DB | 10~30°C DB |
| 5MXM90 | | | |
| RZAG35~60 | | -20~52°C DB | -20~24°C DB |
| | | 18~32°C DB | 10~30°C DB |
| RZAG71~140 | | -20~52°C DB | -19.5~21°C DB |
| | | 18~37°C DB | 10~27°C DB |
| RZASG71~140 | | -15~46°C DB | -14~21°C DB |
| | | 20~37°C DB | 10~27°C DB |
| | | 14~28°C WB | |
| Indoor humidity | | ≤80% ^(a) | |

| Symbol | Explanation |
|--------|---------------------|
| | Outdoor temperature |
| | Indoor temperature |

(a) To avoid condensation and water dripping out of the unit. If the temperature or the humidity is beyond these conditions, safety devices may be put in action and the air conditioner may not operate.

10.2 Operating the system

10.2.1 About operating the system

- To protect the unit, turn on the main power switch 6 hours before operation.
- If the main power supply is turned off during operation, operation will restart automatically after the power turns back on again.

10.2.2 About cooling, heating, fan only, and automatic operation

- The air flow rate may adjust itself depending on the room temperature or the fan may stop immediately. This is not a malfunction.

10.2.3 About the heating operation

It may take longer to reach the set temperature for general heating operation than for cooling operation.

The following operation is performed in order to prevent the heating capacity from dropping or cold air from blowing.

Defrost operation

In heating operation, freezing of the outdoor unit's air cooled coil increases over time, restricting the energy transfer to the outdoor unit's coil. Heating capability decreases and the system needs to go into defrost operation to be able to remove frost from the outdoor unit's coil. During defrost operation the heating capacity on the indoor unit side will temporarily drop until defrosting is completed. After defrosting, the unit will regain its full heating capacity.

The indoor unit will stop fan operation, the refrigerant cycle will reverse and energy from inside the building will be used to defrost the outdoor unit coil.

The indoor unit will indicate defrost operation on the display

Hot start

In order to prevent cold air from blowing out of an indoor unit at the start of heating operation, the indoor fan is automatically stopped. The display of the user interface shows

10.2.4 To operate the system

- Press the operation mode selector button on the user interface several times and select the operation mode of your choice.

- Cooling operation
- Heating operation
- Fan only operation

- Press the ON/OFF button on the user interface.

Result: The operation lamp lights up and the system starts operating.

10.3 Using the dry program

10.3.1 About the dry program

- The function of this program is to decrease the humidity in your room with minimal temperature decrease (minimal room cooling).
- The micro computer automatically determines temperature and fan speed (cannot be set by the user interface).
- The system does not go into operation if the room temperature is low (<20°C).

10.3.2 To use the dry program

To start

- Press the operation mode selector button on the user interface several times and select (program dry operation).

- Press the ON/OFF button of the user interface.

Result: The operation lamp lights up and the system starts operating.

To stop

- Press the ON/OFF button on the user interface once again.

Result: The operation lamp goes out and the system stops operating.



NOTICE

Do not turn off power immediately after the unit stops, but wait for at least 5 minutes.

10.4 Adjusting the air flow direction

Refer to the operation manual of the user interface.

10.4.1 About the air flow flap





Double flow+multi-flow units

For the following conditions, a micro computer controls the air flow direction which may be different from the display.

11 Maintenance and service

| Cooling | Heating |
|--|--|
| <ul style="list-style-type: none"> When the room temperature is lower than the set temperature. | <ul style="list-style-type: none"> When starting operation. When the room temperature is higher than the set temperature. At defrost operation. |
| <ul style="list-style-type: none"> When operating continuously at horizontal air flow direction. When continuous operation with downward air flow is performed at the time of cooling with a ceiling-suspended or a wall-mounted unit, the micro computer may control the flow direction, and then the user interface indication will also change. | |


The air flow direction can be adjusted in one of the following ways:

- The air flow flap itself adjusts its position.
- The air flow direction can be fixed by the user.
- Automatic  and desired position .

WARNING

Never touch the air outlet or the horizontal blades while the swing flap is in operation. Fingers may become caught or the unit may break down.

NOTICE

- The movable limit of the flap is changeable. Contact your dealer for details. (only for double-flow, multi-flow, corner, ceiling-suspended and wall-mounted).
- Avoid operating in the horizontal direction . It may cause dew or dust to settle on the ceiling or flap.

11 Maintenance and service

NOTICE

Never inspect or service the unit by yourself. Ask a qualified service person to perform this work. However, as end user, you may clean the air filter, suction grille, air outlet and outside panels.

WARNING

Never replace a fuse with a fuse of a wrong ampere ratings or other wires when a fuse blows out. Use of wire or copper wire may cause the unit to break down or cause a fire.

CAUTION

Do NOT insert fingers, rods or other objects into the air inlet or outlet. Do NOT remove the fan guard. When the fan is rotating at high speed, it will cause injury.

CAUTION

After a long use, check the unit stand and fitting for damage. If damaged, the unit may fall and result in injury.

NOTICE

Do not wipe the controller operation panel with benzene, thinner, chemical dust cloth, etc. The panel may get discoloured or the coating peeled off. If it is heavily dirty, soak a cloth in water-diluted neutral detergent, squeeze it well and wipe the panel clean. Wipe it with another dry cloth.

CAUTION

Before accessing terminal devices, make sure to interrupt all power supply.

NOTICE

When cleaning the heat exchanger, make sure to remove the switch box, fan motor, drain pump and float switch. Water or detergent might deteriorate the insulation of electronic components and result in burnout of these components.

11.1 Cleaning the air filter, suction grille, air outlet and outside panels

11.1.1 To clean the air filter

When to clean the air filter:

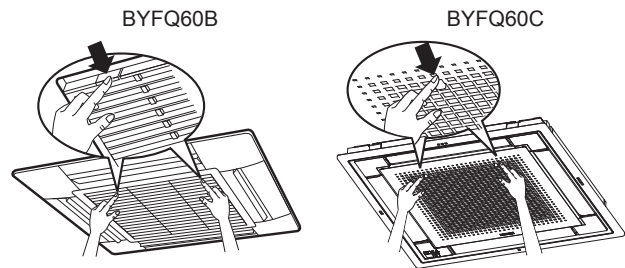
- Rule of thumb: Clean every 6 months. If the air in the room is extremely contaminated, increase the cleaning frequency.
- Depending on the settings, the user interface can display the **TIME TO CLEAN AIR FILTER** notification. Clean the air filter when the notification is displayed.
- If the dirt becomes impossible to clean, change the air filter (= optional equipment).

How to clean the air filter:

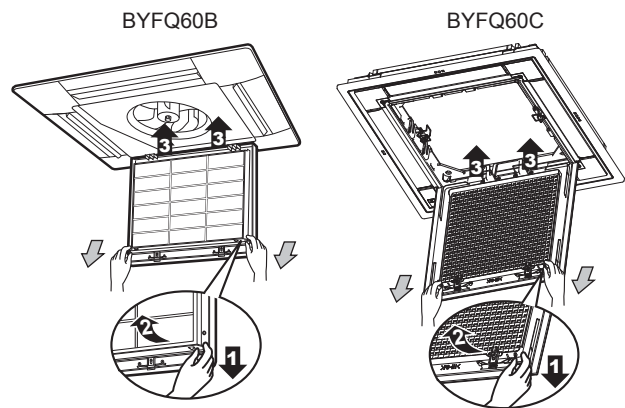
NOTICE

Do NOT use water of 50°C or higher. **Possible consequence:** Discoloration and deformation.

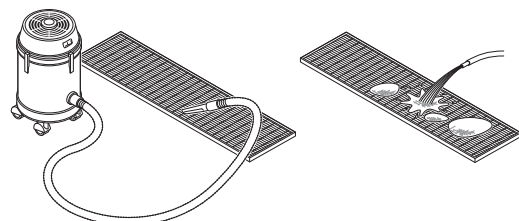
- Open the suction grille.



- Remove the air filter.



- Clean the air filter. Use a vacuum cleaner or wash with water. If the air filter is very dirty, use a soft brush and neutral detergent.



- Dry the air filter in the shadow.

- 5 Reattach the air filter and close the suction grille (steps 2 and 1 in reverse order).
- 6 Turn ON the power.
- 7 Press the **FILTER SIGN RESET** button.

Result: The **TIME TO CLEAN AIR FILTER** notification disappears from the user interface.

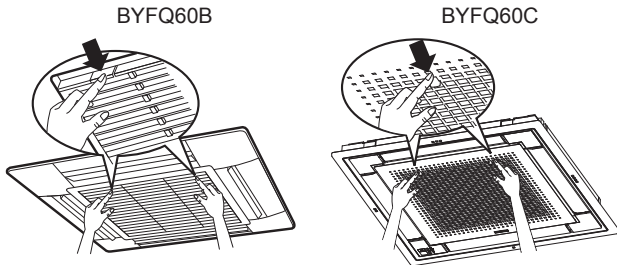
11.1.2 To clean the suction grille



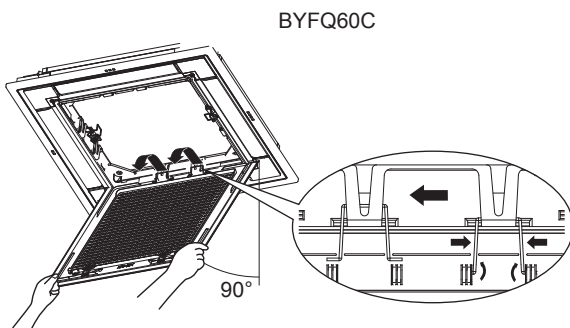
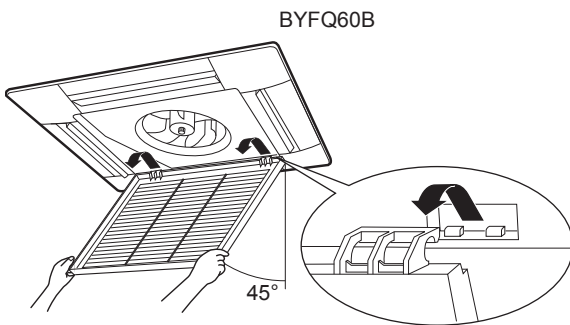
NOTICE

Do NOT use water of 50°C or higher. **Possible consequence:** Discoloration and deformation.

- 1 Open the suction grille.



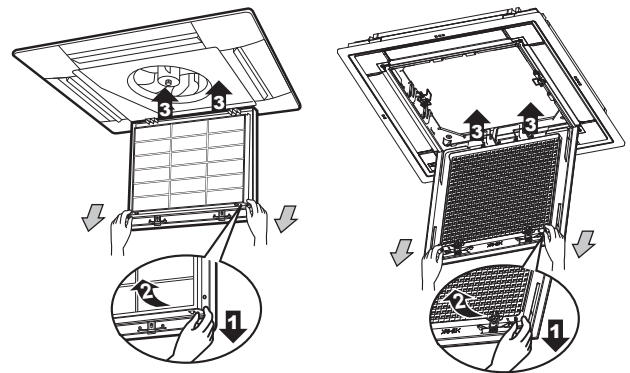
- 2 Remove the suction grille.



- 3 Remove the air filter.

BYFQ60B

BYFQ60C



- 4 Clean the suction grille. Wash with a soft bristle brush and water or neutral detergent. If the suction grille is very dirty, use a typical kitchen cleaner, leave it on for 10 min, then wash it with water.
- 5 Reattach the air filter (step 3 in reverse order).
- 6 Reattach the suction grille and close it (step 2 and 1 in reverse order).

11.1.3 To clean the air outlet and outside panels



WARNING

Do NOT let the indoor unit get wet. **Possible consequence:** Electric shock or fire.



NOTICE

- Do NOT use gasoline, benzene, thinner polishing powder or liquid insecticide. **Possible consequence:** Discoloration and deformation.
- Do NOT use water or air of 50°C or higher. **Possible consequence:** Discoloration and deformation.
- Do NOT scrub firmly when washing the blade with water. **Possible consequence:** The surface sealing peels off.

Clean with a soft cloth. If it is difficult to remove stains, use water or neutral detergent.

11.2 Maintenance after a long stop period

E.g., at the beginning of the season.

- Check and remove everything that might be blocking inlet and outlet vents of indoor units and outdoor units.
- Clean air filters and casings of indoor units (see "11.1.1 To clean the air filter" on page 16 and "11.1.3 To clean the air outlet and outside panels" on page 17).
- Turn on the power at least 6 hours before operating the unit in order to ensure smoother operation. As soon as the power is turned on, the user interface display appears.

11.3 Maintenance before a long stop period

E.g., at the end of the season.

- Let the indoor units run in fan only operation for about half a day in order to dry the interior of the units. Refer to "10.2.2 About cooling, heating, fan only, and automatic operation" on page 15 for details on fan only operation.
- Turn off the power. The user interface display disappears.

12 Troubleshooting

- Clean air filters and casings of indoor units (see "11.1.1 To clean the air filter" on page 16 and "11.1.3 To clean the air outlet and outside panels" on page 17).

11.4 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

Refrigerant type: R410A

Global warming potential (GWP) value: 2087.5



NOTICE

In Europe, the **greenhouse gas emissions** of the total refrigerant charge in the system (expressed as tonnes CO₂ equivalent) is used to determine the maintenance intervals. Follow the applicable legislation.

Formula to calculate the greenhouse gas emissions:
GWP value of the refrigerant × Total refrigerant charge [in kg] / 1000

Please contact your installer for more information.



WARNING: FLAMMABLE MATERIAL

The R32 refrigerant (if applicable) in this unit is mildly flammable. Refer to the outdoor unit specifications for the type of refrigerant to be used.



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

R410A is a non-combustible refrigerant, and R32 is a mildly flammable refrigerant; they normally don't leak. If the refrigerant leaks in the room and comes into contact with fire from a burner, a heater, or a cooker, this may result in a fire (in case of R32), or the formation of a harmful gas.

Turn off any combustible heating devices, ventilate the room, and contact the dealer from 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.

12 Troubleshooting

If one of the following malfunctions occur, take the measures shown below and contact your dealer.



WARNING

Stop operation and shut off the power if anything unusual occurs (burning smells etc.).

Leaving the unit running under such circumstances may cause breakage, electric shock or fire. Contact your dealer.

The system MUST be repaired by a qualified service person.

| Malfunction | Measure |
|---|--|
| If a safety device such as a fuse, a breaker or an earth leakage breaker frequently actuates or the ON/OFF switch does NOT properly work. | Turn OFF the main power switch. |
| If water leaks from the unit. | Stop the operation. |
| The operation switch does NOT work well. | Turn OFF the power supply. |
| If the user interface display indicates the unit number, the operation lamp flashes and the malfunction code appears. | Notify your installer and report the malfunction code. |

If the system does NOT properly operate except for the above mentioned cases and none of the above mentioned malfunctions is evident, investigate the system according to the following procedures.

| Malfunction | Measure |
|---|--|
| If the system does not operate at all. | <ul style="list-style-type: none"> • Check if there is no power failure. Wait until power is restored. If power failure occurs during operation, the system automatically restarts immediately after power is restored. • Check if no fuse has blown or breaker is activated. Change the fuse or reset the breaker if necessary. |
| The system operates but cooling or heating is insufficient. | <ul style="list-style-type: none"> • Check if air inlet or outlet of outdoor or indoor unit is not blocked by obstacles. Remove any obstacles and make sure the air can flow freely. • Check if the air filter is not clogged (see "11.1.1 To clean the air filter" on page 16). • Check the temperature setting. • Check the fan speed setting on your user interface. • Check for open doors or windows. Close doors and windows to prevent wind from coming in. • Check if there are too many occupants in the room during cooling operation. Check if the heat source of the room is excessive. • Check if direct sunlight enters the room. Use curtains or blinds. • Check if the air flow angle is proper. |

If after checking all above items, it is impossible to fix the problem yourself, contact your installer and state the symptoms, the complete model name of the unit (with manufacturing number if possible) and the installation date (possibly listed on the warranty card).

12.1 Symptoms that are NOT system malfunctions

The following symptoms are NOT system malfunctions:

12.1.1 Symptom: The system does not operate

- The air conditioner does not start immediately after the ON/OFF button on the user interface is pressed. If the operation lamp lights, the system is in normal condition. To prevent overloading of the compressor motor, the air conditioner starts 5 minutes after it is turned ON again in case it was turned OFF just before. The same starting delay occurs after the operation mode selector button was used.

- If "Under Centralized Control" is displayed on the user interface, pressing the operation button causes the display to blink for a few seconds. The blinking display indicates that the user interface cannot be used.
- The system does not start immediately after the power supply is turned on. Wait one minute until the micro computer is prepared for operation.

12.1.2 Symptom: The fan speed does not correspond to the setting

The fan speed does not change even if the fan speed adjustment button is pressed. During heating operation, when the room temperature reaches the set temperature, the outdoor unit goes off and the indoor unit changes to whisper fan speed. This is to prevent cold air blowing directly on occupants of the room. The fan speed will not change if the button is pressed.

12.1.3 Symptom: The fan direction does not correspond to the setting

The fan direction does not correspond with the user interface display. The fan direction does not swing. This is because the unit is being controlled by the micro computer.

12.1.4 Symptom: White mist comes out of a unit (Indoor unit)

- When humidity is high during cooling operation. If the interior of an indoor unit is extremely contaminated, the temperature distribution inside a room becomes uneven. It is necessary to clean the interior of the indoor unit. Ask your dealer for details on cleaning the unit. This operation requires a qualified service person.
- Immediately after the cooling operation stops and if the room temperature and humidity are low. This is because warm refrigerant gas flows back into the indoor unit and generates steam.

12.1.5 Symptom: White mist comes out of a unit (Indoor unit, outdoor unit)

When the system is changed over to heating operation after defrost operation. Moisture generated by defrost becomes steam and is exhausted.

12.1.6 Symptom: The user interface display reads "U4" or "U5" and stops, but then restarts after a few minutes

This is because the user interface is intercepting noise from electric appliances other than the air conditioner. The noise prevents communication between the units, causing them to stop. Operation automatically restarts when the noise ceases.

12.1.7 Symptom: Noise of air conditioners (Indoor unit)

- A "zeen" sound is heard immediately after the power supply is turned on. The electronic expansion valve inside an indoor unit starts working and makes the noise. Its volume will reduce in about one minute.
- A continuous low "shah" sound is heard when the system is in cooling operation or at a stop. When the drain pump is in operation, this noise is heard.
- A "pishi-pishi" squeaking sound is heard when the system stops after heating operation. Expansion and contraction of plastic parts caused by temperature change make this noise.

12.1.8 Symptom: Noise of air conditioners (Indoor unit, outdoor unit)

- A continuous low hissing sound is heard when the system is in cooling or defrost operation. This is the sound of refrigerant gas flowing through both indoor and outdoor units.
- A hissing sound which is heard at the start or immediately after stopping operation or defrost operation. This is the noise of refrigerant caused by flow stop or flow change.

12.1.9 Symptom: Noise of air conditioners (Outdoor unit)

When the tone of operating noise changes. This noise is caused by the change of frequency.

12.1.10 Symptom: Dust comes out of the unit

When the unit is used for the first time in a long time. This is because dust has gotten into the unit.

12.1.11 Symptom: The units can give off odours

The unit can absorb the smell of rooms, furniture, cigarettes, etc., and then emit it again.

12.1.12 Symptom: The outdoor unit fan does not spin

During operation. The speed of the fan is controlled in order to optimise product operation.

12.1.13 Symptom: The display shows "88"

This is the case immediately after the main power supply switch is turned on and means that the user interface is in normal condition. This continues for 1 minute.

12.1.14 Symptom: The compressor in the outdoor unit does not stop after a short heating operation

This is to prevent refrigerant from remaining in the compressor. The unit will stop after 5 to 10 minutes.

13 Relocation

Contact your dealer for removing and reinstalling the total unit. Moving units requires technical expertise.

14 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.

ERC



DAIKIN INDUSTRIES CZECH REPUBLIC s.r.o.
U Nové Hospody 1/1155, 301 00 Plzeň Skvrňany, Czech Republic

DAIKIN EUROPE N.V.
Zandvoordestraat 300, B-8400 Oostende, Belgium

Copyright 2017 Daikin

4P456960-1B 2018.08