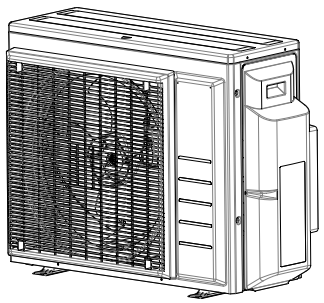
DAIKIN

INSTALLATION MANUAL

R32 Split Series



Models
3MXM40N2V1B
3MXM52N2V1B
3AMXM52M3V1B
3MXM68N2V1B
4MXM68N2V1B
4MXM80N2V1B
5MXM90N2V1B

CE - DECLARATION-OF-CONFORMITY
CE - KONFORMITÄTSERKLÄRUNG
CE - DECLARATION-DE-CONFORMITE
CE - CONFORMITEITSVERKLARING

CE - DECLARACION-DE-CONFORMIDAD
CE - DICHIARAZIONE-DI-CONFORMITA
CE - ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ

CE - DECLARAÇÃO-DE-CONFORMIDADE
CE - ЗАЯВЛЕНИЕ-О-СООТВЕТСТВИИ
CE - OVERENSSTEMMELSESERKLÆRING
CE - FÖRSÄKRAN-OM-ÖVERENSTÄMMELSE

CE - ERKLÆRING OM-SAMSVAR
CE - ILMOITUS-YHDENMUKAISUUDESTA
CE - PROHLÁŠENÍ-O-SHODĚ

CE - IZJAVA-O-USKLAĐENOSTI
CE - MEGFELELŐSÉGI-NYILATKOZAT
CE - DEKLARACJA-ZGODNOŚCI
CE - DECLARAŢIE-DE-CONFORMITATE

CE - IZJAVA O SKLADNOSTI
CE - VASTAVUSDEKLARATSIOON
CE - ДЕКЛАРАЦИЯ-ЗА-СЪОТВЕТСТВИЕ

CE - ATITIKTIES-DEKLARACIJA
CE - ATBILSTĪBAS-DEKLARĀCIJA
CE - VYHLÁSENIE-ZHODY
CE - UYGUNLUK-BEYANI

Daikin Industries Czech Republic s.r.o.

01 (GB) declares under its sole responsibility that the air conditioning models to which this declaration relates:
02 (D) erklärt auf seine alleinige Verantwortung daß die Modelle der Klimageräte für die diese Erklärung bestimmt ist:
03 (F) déclare sous sa seule responsabilité que les appareils d'air conditionné visés par la présente déclaration:
04 (NL) verklaart hierbij op eigen exclusieve verantwoordelijkheid dat de airconditioning units waarop deze verklaring betrekking heeft:
05 (E) declara baja su única responsabilidad que los modelos de aire acondicionado a los cuales hace referencia la declaración:
06 (I) dichiara sotto sua responsabilità che i condizionatori modello a cui è riferita questa dichiarazione:
07 (GR) δηλώνει με αποκλειστική της ευθύνη ότι τα μοντέλα των κλιματιστικών συσκευών στα οποία αναφέρεται η παρούσα δήλωση:
08 (P) declara sob sua exclusiva responsabilidade que os modelos de ar condicionado a que esta declaração se refere:
09 (RUS) заявляет, исключительно под свою ответственность, что модели кондиционеров воздуха, к которым относится настоящее заявление:
10 (DK) erklærer under eneansvar, at klimaanlægmodellerne, som denne deklaration vedrører:
11 (S) deklarerar i egenskap av huvudansvarig, att luftkonditioneringsmodellerna som berörs av denna deklaration innebär att:
12 (N) erklærer et fullstendig ansvar for at de luftkondisjoneringsmodeller som berøres av denne deklarasjonen, innebærer at:
13 (FIN) ilmoittaa yksinomaan omalla vastuullaan, että tämän ilmoituksen tarkoittamat ilmastointilaitteiden mallit:
14 (CZ) prohlašuje ve své plné odpovědnosti, že modely klimatizace, k nimž se toto prohlášení vztahuje:
15 (HR) izjavljuje pod isključivo vlastitom odgovornošću da su modeli klima uređaja na koje se ova izjava odnosi:
16 (H) teljes felelőssége tudatában kijelenti, hogy a klímaberendezés modellek, melyekre e nyilatkozat vonatkozik:
17 (PL) deklaruje na własną i wyłączną odpowiedzialność, że modele klimatyzatorów, których dotyczy niniejsza deklaracja:
18 (RO) declară pe proprie răspundere că aparatele de aer condiţionat la care se referă această declaraţie:
19 (SLO) z vso odgovornostjo izjavlja, da so modeli klimatskih naprav, na katere se izjava nanaša:
20 (EST) kinnitab oma täielikul vastutusel, et käesoleva deklaratsiooni alla kuuluvad kliimaseadmete mudelid:
21 (BG) декларира на своя отговорност, че моделите климатична инсталация, за които се отнася тази декларация:
22 (LT) visiška savo atsakomybe skelbia, kad oro kondicionavimo prietaisų modeliai, kuriems yra taikoma ši deklaracija:
23 (LV) ar pilnu atbildību apliecina, ka tālāk uzskaitīto modeļu gaisa kondicionētāji, uz kuriem attiecas šī deklarācija:
24 (SK) vyhlasuje na vlastnú zodpovednosť, že tieto klimatizačné modely, na ktoré sa vzťahuje toto vyhlásenie:
25 (TR) tamamen kendi sorumluluğunda olmak üzere bu bildirinin ilgili olduğu klima modellerinin aşağıdaki gibi olduğunu beyan eder:

3MXM40N2V1B, 3MXM52N2V1B, 3AMXM52M3V1B, 3MXM68N2V1B, 4MXM68N2V1B, 4MXM80N2V1B, 5MXM90N2V1B,

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 der/den folgenden Norm(en) oder einem anderen Normdokument oder -dokumenten entspricht/entsprechen, unter der Voraussetzung, daß sie gemäß unseren Anweisungen eingesetzt werden:
03 sont conformes à la/aux 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(s) o altro(i) documento(i) a carattere normativo, a patto che vengano usati in conformità alle nostre istruzioni:
07 είναι σύμφωνα με το(α) ακόλουθο(α) πρότυπο(α) ή άλλο έγγραφο(α) κανονισμών, υπό την προϋπόθεση ότι χρησιμοποιούνται σύμφωνα με τις οδηγίες μας:
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 соответствуют следующим стандартам или другим нормативным документам, при условии их использования согласно нашим инструкциям:
10 overholder følgende standard(er) eller andet/andre retningsgivende dokument(er), forudsat at disse anvendes i henhold til vore instrukser:
11 respektive utrustning är utförd i överensstämmelse med och följer följande standard(er) eller andra normgivande dokument, under förutsättning att användning sker i överensstämmelse med våra instruktioner:
12 respektive utstyr er i overensstemmelse med følgende standard(er) eller andre normgivende dokument(er), under forutsetning av at disse brukes i henhold til våre instrukser:
13 vastaavat seuraavien standardien ja muiden ohjeellisten dokumenttien vaatimuksia edellyttäen, että niitä käytetään ohjeidemme mukaisesti:
14 za předpokladu, že jsou využívány v souladu s našimi pokyny, odpovídají následujícím normám nebo normativním dokumentům:
15 u skladu sa slijedećim standardom(ima) ili drugim normativnim dokumentom(ima), uz uvjet da se oni koriste u skladu s našim uputama:
16 megfelelnek az alábbi szabvány(ok)nak vagy egyéb irányadó dokumentum(ok)nak, ha azokat előírás szerint használják:
17 spełniają wymogi następujących norm i innych dokumentów normalizacyjnych, pod warunkiem że używane są zgodnie z naszymi instrukcjami:
18 sunt în conformitate cu următorul (următoarele) standard(e) sau alt(e) document(e) normativ(e), cu condiţia ca acestea să fie utilizate în conformitate cu instrucţiunile noastre:
19 skladni z naslednjimi standardi in drugimi normativi, pod pogojem, da se uporabljajo v skladu z našimi navodili:
20 on vastavuses järgmis(t)e standardi(te)ga või teiste normatiivsete dokumentidega, kui neid kasutatakse vastavalt meie juhenditele:
21 съответстват на следните стандарти или други нормативни документи, при условие, че се използват съгласно нашите инструкции:
22 atitinka žemiau nurodytus standartus ir (arba) kitus norminius dokumentus su sąlyga, kad yra naudojami pagal mūsų nurodymus:
23 tad, ja lietoti atbilstoši ražotāja norādījumiem, atbilst sekojošiem standartiem un citiem normatīviem dokumentiem:
24 sú v zhode s nasledovnou(ými) normou(ami) alebo iným(i) normatívnym(i) dokumentom(ami), za predpokladu, že sa používajú v súlade s našim návodom:
25 ürünün, talimatlarımıza göre kullanılması koşuluyla aşağıdaki standartlar ve norm belirten belgelerle uyumludur:

EN60335-2-40

01 following the provisions of:
02 gemäß den Vorschriften der:
03 conformément aux stipulations des:
04 overeenkomstig de bepalingen van:
05 siguiendo las disposiciones de:
06 secondo le prescrizioni per:
07 με τήρηση των διατάξεων των:
08 de acordo com o previsto em:
09 в соответствии с положениями:
10 under iagttagelse af bestemmelserne i:
11 enligt villkoren i:
12 gitt i henhold til bestemmelsene i:
13 noudattaen määräyksiä:
14 za dodržení ustanovení předpisu:
15 prema odredbama:
16 követi a(z):
17 zgodnie z postanowieniami Dyrektyw:
18 în urma prevederilor:
19 ob upoštevanju določb:
20 vastavalt nõuetele:
21 следвайки клаузите на:
22 laikantis nuostatų, pateikiamų:
23 ievērojot prasības, kas noteiktas:
24 održavajúc ustanovenia:
25 bunun koşullarına uygun olarak:

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

01 Directives, as amended.
02 Direktiven, gemäß Änderung.
03 Directives, telles que modifiées.
04 Richtlijnen, zoals geamendeerd.
05 Directivas, según lo enmendado.
06 Direttive, come da modifica.
07 Οδηγιών, όπως έχουν τροποποιηθεί.
08 Directivas, conforme alteração em.
09 Директив со всеми поправками.
10 Direktiver, med senere ændringer.
11 Direktiv, med företagna ändringar.
12 Direktiver, med foretatte endringer.
13 Direktiivejä, sellaisina kuin ne ovat muutettuina.
14 v platném znění.
15 Smjernice, kako je izmijenjeno.
16 irányelv(ek) és módosításaik rendelkezéseit.
17 z późniejszymi poprawkami.
18 Directivelor, cu amendamentele respective.
19 Direktive z vsemi spremembami.
20 Direktiivid koos muudatustega.
21 Директиви, с техните изменения.
22 Direktyvose su papildymais.
23 Direktīvās un to papildinājumos.
24 Smernice, v platnom znení.
25 Değiştirilmiş halleriyle Yönetmelikler.

01 * as set out in **<A>** and judged positively by **<B>** according to the **Certificate <C>**.
** as set out in the Technical Construction File **<D>** and judged positively by **<E>** (Applied module **<F>**) according to the certificate **<G>**. Risk category **<H>**. Also refer to next page.
02 * wie in **<A>** aufgeführt und von **<B>** positiv beurteilt gemäß **Zertifikat <C>**.
** wie in der Technischen Konstruktionsakte **<D>** aufgeführt und von **<E>** (Angewandtes Modul **<F>**) positiv ausgezeichnet gemäß **Zertifikat <G>**. Risikoart **<H>**. Siehe auch nächste Seite.
03 * tel que défini dans **<A>** et évalué positivement par **<B>** conformément au **Certificat <C>**.
** tel que stipulé dans le Fichier de Construction Technique **<D>** et jugé positivement par **<E>** (Module appliqué **<F>**) conformément au **Certificat <G>**. Catégorie de risque **<H>**. Se reporter également à la page suivante.
04 * zoals vermeld in **<A>** en positief beoordeeld door **<B>** overeenkomstig **Certificaat <C>**.
** zoals vermeld in het Technisch Constructiedossier **<D>** en in orde bevonden door **<E>** (Toegepaste module **<F>**) overeenkomstig **Certificaat <G>**. Risicocategorie **<H>**. Zie ook de volgende pagina.
05 * como se establece en **<A>** y es valorado positivamente por **<B>** de acuerdo con el **Certificado <C>**.
** tal como se expone en el Archivo de Construcción Técnica **<D>** y juzgado positivamento por **<E>** (Modulo aplicado **<F>**) según el **Certificado <G>**. Categoría de riesgo **<H>**. Consulte también la siguiente página.
06 * delineato nel **<A>** e giudicato positivamente da **<B>** secondo il **Certificato <C>**.
** delineato nel File Tecnico di Costruzione **<D>** e giudicato positivamente da **<E>** (Modulo **<F>** applicato) secondo il **Certificato <G>**. Categoria di rischio **<H>**. Fare riferimento anche alla pagina successiva.
07 * όπως καθορίζεται στο **<A>** και κρίνεται θετικά από το **<B>** σύμφωνα με το **Πιστοποιητικό <C>**.
** όπως προσδιορίζεται στο Αρχείο Τεχνικής Κατασκευής **<D>** και κρίνεται θετικά από το **<E>** (Χρησιμοποιούμενη υπομονάδα **<F>**) σύμφωνα με το **Πιστοποιητικό <G>**. Κατηγορία επικινδυνότητας **<H>**. Ανατρέξτε επίσης στην επόμενη σελίδα.
08 * tal como estabelecido em **<A>** e com o parecer positivo de **<B>** de acordo com o **Certificado <C>**.
** tal como estabelecido no Ficheiro Técnico de Construção **<D>** e com o parecer positivo de **<E>** (Módulo aplicado **<F>**) de acordo com o **Certificado <G>**. Categoria de risco **<H>**. Consultar também a página seguinte.
09 * как указано в **<A>** и в соответствии с положительным решением **<B>** согласно **Свидетельству <C>**.
** как указано в Досье технического толкования **<D>** и в соответствии с положительным решением **<E>** (Прикладной модуль **<F>**) согласно **Свидетельству <G>**. Категория риска **<H>**. Также смотрите следующую страницу.
10 * som anført i **<A>** og positivt vurderet af **<B>** i henhold tilPressure Equipment 2014/68/EU **Certifikat <C>**.
** som anført i den Tekniske Konstruktionsfil **<D>** og positivt vurderet af **<E>** (Anvendt modul **<F>**) i henhold til **Certifikat <G>**. Risikoklasse **<H>**. Se også næste side.
11 * enligt **<A>** och godkänts av **<B>** enligt **Certifikatet <C>**.
** i enlighet med den Tekniska Konstruktionsfilen **<D>** som positivt intygats av **<E>** (Fastsatt modul **<F>**) vilket också framgår av **Certifikat <G>**. Riskkategori **<H>**. Se även nästa sida.
12 * som det fremkommer i **<A>** og gjennom positiv bedømmelse av **<B>** ifølge **Sertifikat <C>**.
** som det fremkommer i den Tekniske Konstruksjonsfilen **<D>** og gjennom positiv bedømmelse av **<E>** (Anvendt modul **<F>**) ifølge **Sertifikat <G>**. Risikokategori **<H>**. Se også neste side.
13 * jotka on esitetty asiakirjassa **<A>** ja jotka **<B>** on hyväksynyt **Sertifikaatin <C>** mukaisesti.
** jotka on esitetty Teknisessä Asiakirjassa **<D>** ja jotka **<E>** on hyväksynyt (Sovellettu moduli **<F>**) **Sertifikaatin <G>** mukaisesti. Vaaraluokka **<H>**. Katso myös seuraava sivu.
14 * jak bylo uvedeno v **<A>** a pozitivně zjištěno **<B>** v souladu s **osvědčením <C>**.
** jak bylo uvedeno v souboru technické konstrukce **<D>** a pozitivně zjištěno **<E>** (použitý modul **<F>**) v souladu s **osvědčením <G>**. Kategorie rizik **<H>**. Viz také následující strana.
15 * kako je izloženo u **<A>** i pozitivno ocijenjeno od strane **<B>** prema **Certifikatu <C>**.
** kako je izloženo u Datoteci o tehničkoj konstrukciji **<D>** i pozitivno ocijenjeno od strane **<E>** (Primijenjen modul **<F>**) prema **Certifikatu <G>**. Kategorija opasnosti **<H>**. Također pogledajte na sljedećoj stranici.
16 * a(z) **<A>** alapján, a(z) **<B>** igazolta a megfelelést, a(z) **<C>** **tanúsítvány** szerint.
** a(z) **<D>** műszaki konstrukciós dokumentáció alapján, a(z) **<E>** igazolta a megfelelést (alkalmazott modul: **<F>**), a(z) **<G>** **tanúsítvány** szerint. Veszélyességi kategória **<H>**. Lásd még a következő oldalon.
17 * zgodnie z dokumentacją **<A>**, pozytywną opinią **<B>** i **Świadectwem <C>**.
** zgodnie z archiwalną dokumentacją konstrukcyjną **<D>** i pozytywną opinią **<E>** (Zastosowany moduł **<F>**) zgodnie ze **Świadectwem <G>**. Kategoria zagrożenia **<H>**. Patrz także następna strona.
18 * aşa cum este stabilit în **<A>** şi apreciat pozitiv de **<B>** în conformitate cu **Certificatul <C>**.
** conform celor stabilite în Dosarul tehnic de construcţie **<D>** şi apreciate pozitiv de **<E>** (Modul aplicat **<F>**) în conformitate cu **Certificatul <G>**. Categorie de risc **<H>**. Consultaţi de asemenea pagina următoare.
19 * kot je določeno v **<A>** in odobreno s strani **<B>** v skladu s **certifikatom <C>**.
** kot je določeno v tehnični mapi **<D>** in odobreno s strani **<E>** (Uporabljen modul **<F>**) v skladu s **certifikatom <G>**. Kategorija tveganja **<H>**. Glejte tudi na naslednji strani.
20 * nagu on näidatud dokumendis **<A>** ja heaks kiidetud **<B>** järgi vastavalt **sertifikaadile <C>**.
** nagu on näidatud tehnilises dokumentatsioonis **<D>** ja heaks kiidetud **<E>** järgi (lisamoodul **<F>**) vastavalt **sertifikaadile <G>**. Riskikategooria **<H>**. Vaadake ka järgmist lehekülge.
21 * както е изложено в **<A>** и оценено положително от **<B>** съгласно **Сертификата <C>**.
** както е заложено в Акта за техническа конструкция **<D>** и оценено положително от **<E>** (Приложен модул **<F>**) съгласно **Сертификат <G>**. Категория риск **<H>**. Вижте също на следващата страница.
22 * kaip nustatyta **<A>** ir kaip teigiamai nuspręsta **<B>** pagal **Sertifikatą <C>**.
** kaip nurodyta Techninėje konstrukcijos byloje **<D>** ir patvirtinta **<E>** (taikomas modulis **<F>**) pagal pažymėjimą **<G>**. Rizikos kategorija **<H>**. Taip pat žiūrėkite ir kitą puslapį.
23 * kā norādīts **<A>** un atbilstoši **<B>** pozitīvajam vērtējumam saskaņā ar **sertifikātu <C>**.
** kā noteikts tehniskajā dokumentācijā **<D>**, atbilstoši **<E>** pozitīvajam lēmumam (piekrītīgā sadaļa: **<F>**), ko apliecina **sertifikāts <G>**. Riska kategorija **<H>**. Skat. arī nākošo lappusi.
24 * ako bolo uvedené v **<A>** a pozitívne zistené **<B>** v súlade s **osvedčením <C>**.
** ako je to stanovené v Súbore technickej konštrukcie **<D>** a kladne posúdené **<E>** (Aplikovaný modul **<F>**) podľa **Certifikátu <G>**. Kategória nebezpečia **<H>**. Viď tiež nasledovnú stranu.
25 * **<A>**'da belirtildiği gibi ve **<C>** **Sertifikasına** göre **<B>** tarafından olumlu olarak değerlendirildiği gibi.
** **<D>** Teknik Yapı Dosyasında belirtildiği gibi ve **<G>** **Sertifikasına** göre **<E>** tarafından olumlu olarak (Uygulanan modül **<F>**) değerlendirilmiştir. **<G>**. Risk kategorisi **<H>**. Ayrıca bir sonraki sayfaya bakın.

<A>	**DAIKIN.TCF.032C16/04-2017**
<B>	**DEKRA (NB0344)**
<C>	**2159619.0551-EMC**
<D>	**TCF-CZ16009-03**
<E>	**VINÇOTTE nv (NB0026)**
<F>	**D1**
<G>	**—**
<H>	**II**

01 *** DICz# is authorised to compile the Technical Construction File.
02 *** DICz# hat die Berechtigung die Technische Konstruktionsakte zusammenzustellen.
03 *** DICz# est autorisé à compiler le Dossier de Construction Technique.
04 *** DICz# is bevoegd om het Technisch Constructiedossier samen te stellen.
05 *** DICz# está autorizado a compilar el Archivo de Construcción Técnica.
06 *** DICz# è autorizzata a redigere il File Tecnico di Costruzione.
07 *** Η DICz# είναι εξουσιοδοτημένη να συντάξει τον Τεχνικό φάκελο κατασκευής.
08 *** A DICz# está autorizada a compilar a documentação técnica de fabrico.
09 *** Компания DICz# уполномочена составить Комплект технической документации.
10 *** DICz# er autoriseret til at udarbejde de tekniske konstruktionsdata.
11 *** DICz# är bemyndigade att sammanställa den tekniska konstruktionsfilen.
12 *** DICz# har tillatelse til å kompilere den Tekniske konstruksjonsfilen.
13 *** DICz# on valtuutettu laatimaan Teknisen asiakirjan.
14 *** Společnost DICz# má oprávnění ke kompilaci souboru technické konstrukce.
15 *** DICz# je ovlašten za izradu Datoteke o tehničkoj konstrukciji.
16 *** A DICz# jogosult a műszaki konstrukciós dokumentáció összeállítására.
17 *** DICz# ma upoważnienie do zbierania i opracowywania dokumentacji konstrukcyjnej.
18 *** DICz# este autorizat să compileze Dosarul tehnic de construcţie.
19 *** DICz# je pooblaščen za sestavo datoteke s tehnično mapo.
20 *** DICz# on volitatud koostama tehnilist dokumentatsiooni.
21 *** DICz# е оторизирана да състави Акта за техническа конструкция.
22 *** DICz# yra įgaliota sudaryti šį techninės konstrukcijos failą.
23 *** DICz# ir autorizēts sastādīt tehnisko dokumentāciju.
24 *** Spoločnosť DICz# je oprávnená vytvoriť súbor technickej konštrukcie.
25 *** DICz# Teknik Yapı Dosyasını derlemeye yetkilidir.

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

CE - DECLARATION-OF-CONFORMITY
CE - KONFORMITÄTSERKLÄRUNG
CE - DECLARATION-DE-CONFORMITE
CE - CONFORMITEITSVERKLARING

CE - DECLARACION-DE-CONFORMIDAD
CE - DICHIARAZIONE-DI-CONFORMITA
CE - ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ

CE - DECLARAÇÃO-DE-CONFORMIDADE
CE - ЗАЯВЛЕНИЕ-О-СООТВЕТСТВИИ
CE - OVERENSSTEMMELSESERKLÆRING
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CE - ERKLÆRING OM-SAMSVAR
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CE - DEKLARACJA-ZGODNOŚCI
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CE - VASTAVUSDEKLARATSIOON
CE - ДЕКЛАРАЦИЯ-ЗА-СЪОТВЕТСТВИЕ

CE - ATITIKTIES-DEKLARACIJA
CE - ATBILSTĪBAS-DEKLARĀCIJA
CE - VYHLÁSENIE-ZHODY
CE - UYGUNLUK-BEYANI

01 (GB) continuation of previous page:
02 (D) Fortsetzung der vorherigen Seite:
03 (F) suite de la page précédente:
04 (NL) vervolg van vorige pagina:

05 (E) continuación de la página anterior:
06 (I) continua dalla pagina precedente:
07 (GR) συνέχεια από την προηγούμενη σελίδα:

08 (P) continuação da página anterior:
09 (RUS) продолжение предыдущей страницы:
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11 (S) fortsättning från föregående sida:

12 (N) fortsettelse fra forrige side:
13 (FIN) jatkoa edelliseltä sivulta:
14 (CZ) pokračování z předchozí strany:

15 (HR) nastavak s prethodne stranice:
16 (H) folytatás az előző oldalról:
17 (PL) ciąg dalszy z poprzedniej strony:
18 (RO) continuarea paginii anterioare:

19 (SLO) nadaljevanje s prejšnje strani:
20 (EST) eelmise leheküle järg:
21 (BG) продължение от предходната страница:

22 (LT) ankstesnio puslapio tęsinys:
23 (LV) iepriekšējās lappuses turpinājums:
24 (SK) pokračovanie z predchádzajúcej strany:
25 (TR) önceki sayfadan devam:

01 Design Specifications of the models to which this declaration relates:
02 Konstruktionsdaten der Modelle auf die sich diese Erklärung bezieht:
03 Spécifications de conception des modèles auxquels se rapporte cette déclaration:
04 Ontwerpspecificaties van de modellen waarop deze verklaring betrekking heeft:
05 Especificaciones de diseño de los modelos a los cuales hace referencia esta declaración:
06 Specifiche di progetto dei modelli cui fa riferimento la presente dichiarazione:
07 Προδιαγραφές Σχεδιασμού των μοντέλων με τα οποία σχετίζεται η δήλωση:
08 Especificações de projecto dos modelos a que se aplica esta declaração:
09 Проектные характеристики моделей, к которым относится настоящее заявление:
10 Typespecifikationer for de modeller, som denne erklæring vedrører:
11 Designspecifikationer för de modeller som denna deklaration gäller:
12 Konstruksjonsspesifikasjoner for de modeller som berøres av denne deklarasjonen:
13 Tätä ilmoitusta koskevien mallien rakennemäärittely:
14 Specifikace designu modelů, ke kterým se vztahuje toto prohlášení:
15 Specifikacije dizajna za modele na koje se ova izjava odnosi:
16 A jelen nyilatkozat tárgyát képező modellek tervezési jellemzői:
17 Specyfikacje konstrukcyjne modeli, których dotyczy deklaracja:
18 Specificaţiile de proiectare ale modelelor la care se referă această declaraţie:
19 Specifikacije tehničnega načrta za modele, na katere se nanaša ta deklaracija:
20 Deklaratsiooni alla kuuluvate mudelite disainispetsifikatsioonid:
21 Проектни спецификации на моделите, за които се отнася декларацията:
22 Konstrukcinės specifikacijos modelių, kurie susiję su šia deklaracija:
23 To modeļu dizaina specifikācijas, uz kurām attiecas šī deklarācija:
24 Konštrukčné špecifikácie modelu, ktorého sa týka toto vyhlásenie:
25 Bu bildirinin ilgili olduğu modellerin Tasarım Özellikleri:

01
- Maximum allowable pressure (PS): **<K>** (bar)
- Minimum/maximum allowable temperature (TS*):
  - * TSmin: Minimum temperature at low pressure side: **<L>** (°C)
  - * TSmax: Saturated temperature corresponding with the maximum allowable pressure (PS): **<M>** (°C)
- Refrigerant: **<N>**
- Setting of pressure safety device: **<P>** (bar)
- Manufacturing number and manufacturing year: refer to model nameplate

02
- Maximal zulässiger Druck (PS): **<K>** (Bar)
- Minimal/maximal zulässige Temperatur (TS*):
  - * TSmin: Mindesttemperatur auf der Niederdruckseite: **<L>** (°C)
  - * TSmax: Sättigungstemperatur die dem maximal zulässigen Druck (PS) entspricht: **<M>** (°C)
- Kältemittel: **<N>**
- Einstellung der Druck-Schutzvorrichtung: **<P>** (Bar)
- Herstellungsnummer und Herstellungsjahr: siehe Typenschild des Modells

03
- Pression maximale admise (PS): **<K>** (bar)
- Température minimum/maximum admise (TS*):
  - * TSmin: température minimum côté basse pression: **<L>** (°C)
  - * TSmax: température saturée correspondant à la pression maximale admise (PS): **<M>** (°C)
- Réfrigérant: **<N>**
- Réglage du dispositif de sécurité de pression: **<P>** (bar)
- Numéro de fabrication et année de fabrication: se reporter à la plaquette signalétique du modèle

04
- Maximaal toelaatbare druk (PS): **<K>** (bar)
- Minimaal/maximaal toelaatbare temperatuur (TS*):
  - * TSmin: Minimumtemperatuur aan lagedrukzijde: **<L>** (°C)
  - * TSmax: Verzadigde temperatuur die overeenstemt met de maximaal toelaatbare druk (PS): **<M>** (°C)
- Koelmiddel: **<N>**
- Instelling van drukbeveiliging: **<P>** (bar)
- Fabricagenummer en fabricagejaar: zie naamplaat model

05
- Presión máxima admisible (PS): **<K>** (bar)
- Temperatura mínima/máxima admisible (TS*):
  - * TSmin: Temperatura mínima en el lado de baja presión: **<L>** (°C)
  - * TSmax: Temperatura saturada correspondiente a la presión máxima admisible (PS): **<M>** (°C)
- Refrigerante: **<N>**
- Ajuste del presostato de seguridad: **<P>** (bar)
- Número de fabricación y año de fabricación: consulte la placa de especificaciones técnicas del modelo

06
- Pressione massima consentita (PS): **<K>** (bar)
- Temperatura minima/massima consentita (TS*):
  - * TSmin: temperatura minima nel lato di bassa pressione: **<L>** (°C)
  - * TSmax: temperatura satura corrispondente alla pressione massima consentita (PS): **<M>** (°C)
- Refrigerante: **<N>**
- Impostazione del dispositivo di controllo della pressione: **<P>** (bar)
- Numero di serie e anno di produzione: fare riferimento alla targhetta del modello

07
- Μέγιστη επιτρεπόμενη πίεση (PS): **<K>** (bar)
- Ελάχιστη/μέγιστη επιτρεπόμενη θερμοκρασία (TS*):
  - * TSmin: Ελάχιστη θερμοκρασία για την πλευρά χαμηλής πίεσης: **<L>** (°C)
  - * TSmax: Κορεσμένη θερμοκρασία που αντιστοιχεί με τη μέγιστη επιτρεπόμενη πίεση (PS): **<M>** (°C)
- Ψυκτικό: **<N>**
- Ρύθμιση της διάταξης ασφάλειας πίεσης: **<P>** (bar)
- Αριθμός κατασκευής και έτος κατασκευής: ανατρέξτε στην πινακίδα αναγνώρισης του μοντέλου

08
- Pressão máxima permitida (PS): **<K>** (bar)
- Temperaturas mínima e máxima permitidas (TS*):
  - * TSmin: Temperatura mínima em baixa pressão: **<L>** (°C)
  - * TSmax: Temperatura de saturação correspondente à pressão máxima permitida (PS): **<M>** (°C)
- Refrigerante: **<N>**
- Regulação do dispositivo de segurança da pressão: **<P>** (bar)
- Número e ano de fabrico: consultar a placa de especificações da unidade

09
- Максимально допустимое давление (PS): **<K>** (бар)
- Минимально/Максимально допустимая температура (TS*):
  - * TSmin: Минимальная температура на стороне низкого давления: **<L>** (°C)
  - * TSmax: Температура кипения, соответствующая максимально допустимому давлению (PS): **<M>** (°C)
- Хладагент: **<N>**
- Настройка устройства защиты по давлению: **<P>** (бар)
- Заводской номер и год изготовления: смотрите паспортную табличку модели

10
- Maks. tilladt tryk (PS): **<K>** (bar)
- Min./maks. tilladte temperatur (TS*):
  - * TSmin: Min. temperatur på lavtrykssiden: **<L>** (°C)
  - * TSmax: Mættet temperatur svarende til maks. tilladte tryk (PS): **<M>** (°C)
- Kølemiddel: **<N>**
- Indstilling af tryksikringsudstyr: **<P>** (bar)
- Produktionsnummer og fremstillingsår: se modellens fabriksskilt

11
- Maximalt tillåtet tryck (PS): **<K>** (bar)
- Min/max tillåten temperatur (TS*):
  - * TSmin: Minimumtemperatur på lågtryckssidan: **<L>** (°C)
  - * TSmax: Mättnadstemperatur som motsvarar maximalt tillåtet tryck (PS): **<M>** (°C)
- Köldmedel: **<N>**
- Inställning för trycksäkerhetsenhet: **<P>** (bar)
- Tillverkningsnummer och tillverkningsår: se modellens namnplåt

12
- Maksimalt tillatt trykk (PS): **<K>** (bar)
- Minimalt/maksimalt tillatt temperatur (TS*):
  - * TSmin: Minimumstemperatur på lavtrykksiden: **<L>** (°C)
  - * TSmax: Metningstemperatur i samsvar med maksimalt tillatt trykk (PS): **<M>** (°C)
- Kjølemedium: **<N>**
- Innstilling av sikkerhetsanordning for trykk: **<P>** (bar)
- Produksjonsnummer og produksjonsår: se modellens merkeplate

13
- Suurin sallittu paine (PS): **<K>** (bar)
- Pienin/suurin sallittu lämpötila (TS*):
  - * TSmin: Alhaisin matalapainepuolen lämpötila: **<L>** (°C)
  - * TSmax: Suurinta sallittua painetta (PS) vastaava kyllästyslämpötila: **<M>** (°C)
- Kylmäaine: **<N>**
- Varmuuspainelaitteen asetus: **<P>** (bar)
- Valmistusnumero ja valmistusvuosi: katso mallin nimikilpi

14
- Maximální přípustný tlak (PS): **<K>** (bar)
- Minimální/maximální přípustná teplota (TS*):
  - * TSmin: Minimální teplota na nízkotlaké straně: **<L>** (°C)
  - * TSmax: Saturovaná teplota odpovídající maximálnímu přípustnému tlaku (PS): **<M>** (°C)
- Chladivo: **<N>**
- Nastavení bezpečnostního tlakového zařízení: **<P>** (bar)
- Výrobní číslo a rok výroby: viz typový štítek modelu

15
- Najveći dopušten tlak (PS): **<K>** (bar)
- Najniža/najviša dopuštena temperatura (TS*):
  - * TSmin: Najniža temperatura u području niskog tlaka: **<L>** (°C)
  - * TSmax: Standardna temperatura koja odgovara najvećem dopuštenom tlaku (PS): **<M>** (°C)
- Rashladno sredstvo: **<N>**
- Postavke sigurnosne naprave za tlak: **<P>** (bar)
- Proizvodni broj i godina proizvodnje: pogledajte natpisnu pločicu modela

16
- Legnagyobb megengedhető nyomás (PS): **<K>** (bar)
- Legkisebb/legnagyobb megengedhető hőmérséklet (TS*):
  - * TSmin: Legkisebb megengedhető hőmérséklet a kis nyomású oldalon: **<L>** (°C)
  - * TSmax: A legnagyobb megengedhető nyomásnak (PS) megfelelő telítettségi hőmérséklet: **<M>** (°C)
- Hűtőközeg: **<N>**
- A túlnyomás-kapcsoló beállítása: **<P>** (bar)
- Gyártási szám és gyártási év: lásd a berendezés adattábláján

17
- Maksymalne dopuszczalne ciśnienie (PS): **<K>** (bar)
- Minimalna/maksymalna dopuszczalna temperatura (TS*):
  - * TSmin: Minimalna temperatura po stronie niskociśnieniowej: **<L>** (°C)
  - * TSmax: Temperatura nasycenia odpowiadająca maksymalnemu dopuszczalnemu ciśnieniu (PS): **<M>** (°C)
- Czynnik chłodniczy: **<N>**
- Nastawa ciśnieniowego urządzenia bezpieczeństwa: **<P>** (bar)
- Numer fabryczny oraz rok produkcji: patrz tabliczka znamionowa modelu

18
- Presiune maximă admisibilă (PS): **<K>** (bar)
- Temperatură minimă/maximă admisibilă (TS*):
  - * TSmin: Temperatură minimă pe partea de presiune joasă: **<L>** (°C)
  - * TSmax: Temperatură de saturaţie corespunzând presiunii maxime admisibile (PS): **<M>** (°C)
- Agent frigorific: **<N>**
- Reglarea dispozitivului de siguranţă pentru presiune: **<P>** (bar)
- Numărul de fabricaţie şi anul de fabricaţie: consultaţi placa de identificare a modelului

19
- Maksimalni dovoljeni tlak (PS): **<K>** (bar)
- Minimalna/maksimalna dovoljena temperatura (TS*):
  - * TSmin: Minimalna temperatura na nizkotlačni strani: **<L>** (°C)
  - * TSmax: Nasičena temperatura, ki ustreza maksimalnemu dovoljenemu tlaku (PS): **<M>** (°C)
- Hladivo: **<N>**
- Nastavljanje varnostne naprave za tlak: **<P>** (bar)
- Tovarniška številka in leto proizvodnje: glejte napisno ploščico

20
- Maksimaalne lubatud surve (PS): **<K>** (bar)
- Minimaalne/maksimaalne lubatud temperatuur (TS*):
  - * TSmin: Minimaalne temperatuur madalsurve küljel: **<L>** (°C)
  - * TSmax: Maksimaalsele lubatud survele (PS) vastav küllastunud temperatuur: **<M>** (°C)
- Jahutusaine: **<N>**
- Surve turvaseadme seadistus: **<P>** (bar)
- Tootmisnumber ja tootmisaasta: vaadake mudeli andmeplaati

21
- Максимално допустимо налягане (PS): **<K>** (bar)
- Минимално/максимално допустима температура (TS*):
  - * TSmin: Минимална температура от страната на ниското налягане: **<L>** (°C)
  - * TSmax: Температура на насищане, съответстваща на максимално допустимото налягане (PS): **<M>** (°C)
- Охладител: **<N>**
- Настройка на предпазното устройство за налягане: **<P>** (bar)
- Фабричен номер и година на производство: вижте табелката на модела

22
- Maksimalus leistinas slėgis (PS): **<K>** (bar)
- Minimali/maksimali leistina temperatūra (TS*):
  - * TSmin: Minimali temperatūra žemo slėgio pusėje: **<L>** (°C)
  - * TSmax: Prisotinta temperatūra, atitinkamti maksimalų leistiną slėgį (PS): **<M>** (°C)
- Šaldymo skystis: **<N>**
- Apsauginio slėgio prietaiso nustatymas: **<P>** (bar)
- Gaminio numeris ir pagaminimo metai: žiūrėkite modelio pavadinimo plokštelę

23
- Maksimālais pieļaujamais spiediens (PS): **<K>** (bar)
- Minimālā/maksimālā pieļaujamā temperatūra (TS*):
  - * TSmin: Minimālā temperatūra zemā spiediena pusē: **<L>** (°C)
  - * TSmax: Piesātinātā temperatūra sasknā ar maksimālo pieļaujamo spiedienu (PS): **<M>** (°C)
- Dzesinātājs: **<N>**
- Spiediena drošības ierīces iestatīšana: **<P>** (bar)
- Izgatavošanas numurs un izgatavošanas gads: skat. modeļa izgatavotājuzņēmuma plāksnītie

24
- Maximálny povolený tlak (PS): **<K>** (bar)
- Minimálna/maximálna povolená teplota (TS*):
  - * TSmin: Minimálna teplota na nízkotlakovej strane: **<L>** (°C)
  - * TSmax: Nasýtená teplota korešpondujúca s maximálnym povoleným tlakom (PS): **<M>** (°C)
- Chladivo: **<N>**
- Nastavenie tlakového poistného zariadenia: **<P>** (bar)
- Výrobné číslo a rok výroby: nájdete na výrobnom štítku modelu

25
- İzin verilen maksimum basınç (PS): **<K>** (bar)
- İzin verilen minimum/maksimum sıcaklık (TS*):
  - * TSmin: Düşük basınç tarafındaki minimum sıcaklık: **<L>** (°C)
  - * TSmax: İzin verilen maksimum basınca (PS) karşı gelen doyma sıcaklığı: **<M>** (°C)
- Soğutucu: **<N>**
- Basınç emniyet düzeninin ayarı: **<P>** (bar)
- İmalat numarası ve imalat yılı: modelin ünite plakasına bakın

<K>	PS	**41.7**	**bar**
<L>	TSmin	**-35**	**°C**
<M>	TSmax	**63.8**	**°C**
<N>		**R32**	
<P>		**41.7**	**bar**

01 Name and address of the Notified body that judged positively on compliance with the Pressure Equipment Directive: **<Q>**

02 Name und Adresse der benannten Stelle, die positiv unter Einhaltung der Druckanlagen-Richtlinie urteilte: **<Q>**

03 Nom et adresse de l'organisme notifié qui a évalué positivement la conformité à la directive sur l'équipement de pression: **<Q>**

04 Naam en adres van de aangemelde instantie die positief geoordeeld heeft over de conformiteit met de Richtlijn Drukapparatuur: **<Q>**

05 Nombre y dirección del Organismo Notificado que juzgó positivamente el cumplimiento con la Directiva en materia de Equipos de Presión: **<Q>**

06 Nome e indirizzo dell'Ente riconosciuto che ha riscontrato la conformità alla Direttiva sulle apparecchiature a pressione: **<Q>**

07 Όνομα και διεύθυνση του Κοινοποιημένου οργανισμού που απεφάνθη θετικά για τη συμμόρφωση προς την Οδηγία Εξοπλισμών υπό Πίεση: **<Q>**

08 Nome e morada do organismo notificado, que avaliou favoravelmente a conformidade com a directiva sobre equipamentos pressurizados: **<Q>**

09 Название и адрес органа технической экспертизы, принявшего положительное решение о соответствии Директиве об оборудовании под давлением: **<Q>**

10 Navn og adresse på bemyndiget organ, der har foretaget en positiv bedømmelse af, at udstyret lever op til kravene i PED (Direktiv for Trykbærende Udstyr): **<Q>**

11 Namn och adress för det anmälda organ som godkänt uppfyllandet av tryckutrustningsdirektivet: **<Q>**

12 Navn på og adresse til det autoriserte organet som positivt bedømte samsvar med direktivet for trykkutstyr (Pressure Equipment Directive): **<Q>**

13 Sen ilmoitetun elimen nimi ja osoite, joka teki myönteisen päätöksen painelaitedirektiivin noudattamisesta: **<Q>**

14 Název a adresa informovaného orgánu, který vydal pozitivní posouzení shody se směrnicí o tlakových zařízeních: **<Q>**

15 Naziv i adresa prijavljenog tijela koje je donijelo pozitivnu prosudbu o usklađenosti sa Smjernicom za tlačnu opremu: **<Q>**

16 A nyomástartó berendezésekre vonatkozó irányelvnek való megfelelőséget igazoló bejelentett szervezet neve és címe: **<Q>**

17 Nazwa i adres Jednostki notyfikowanej, która wydała pozytywną opinię dotyczącą spełnienia wymogów Dyrektywy dot. Urządzeń Ciśnieniowych: **<Q>**

18 Denumirea şi adresa organismului notificat care a apreciat pozitiv conformarea cu Directiva privind echipamentele sub presiune: **<Q>**

19 Ime in naslov organa za ugotavljanje skladnosti, ki je pozitivno ocenil združljivost z Direktivo o tlačni opremi: **<Q>**

20 Teavitatud organi, mis hindas Surveseadmete Direktiiviga ühilduvust positiivselt, nimi ja aadress: **<Q>**

21 Наименование и адрес на упълномощения орган, който се е произнесъл положително относно съвместимостта с Директивата за оборудване под налягане: **<Q>**

22 Atsakingos institucijos, kuri davė teigiamą sprendimą pagal slėginės įrangos direktyvą pavadinimas ir adresas: **<Q>**

23 Sertifikācijas institūcijas, kura ir devusi pozitīvu slēdzienu par atbilstību Spiediena iekārtu Direktīvai, nosaukums un adrese: **<Q>**

24 Názov a adresa certifikačného úradu, ktorý kladne posúdil zhodu so smernicou pre tlakové zariadenia: **<Q>**

25 Basınçlı Teçhizat Direktifine uygunluk hususunda olumlu olarak değerlendirilen Onaylanmış kuruluşun adı ve adresi: **<Q>**

<Q>	**VINÇOTTE nv** **JAN OLIESLAGERSLAAN, 35** **1800 VILVOORDE, BELGIUM**

2P427092-11R

DAIKIN

Yasuto Hiraoka
Managing Director
Pilsen, 1st of April 2019

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

Safety precautions

	Read the precautions in this manual carefully before operating the unit.		This appliance is filled with R32.

- The precautions described herein are classified as WARNING and CAUTION. They both contain important information regarding safety. Be sure to observe all precautions without fail.
- Meaning of WARNING and CAUTION notices

  WARNING .... Failure to follow these instructions properly may result in personal injury or loss of life.

  CAUTION ..... Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.
- The safety marks shown in this manual have the following meanings:

Be sure to follow the instructions.	Be sure to establish an earth connection.	Never attempt.

- After completing installation, conduct a trial operation to check for faults and explain to the customer how to operate the air conditioner and take care of it with the aid of the operation manual.
- The original instructions are written in English. All other languages are translations of the original instructions.

⚠ WARNING

The unit is accompanied with the label below. Please read the following instructions carefully.



- When the refrigeration circuit has a leak, do not execute pump down with the compressor.
- Use recovery system into separate cylinder.
- Warning, explosive hazard exists when executing pump down.
- Pump down with compressor can lead to self-combustion due to air entering during pump down.

Used symbols:

1) Warning sign (ISO 7010 – W001)
2) Warning, Explosive material (ISO 7010 – W002)
3) Read Operator's manual (ISO 7000 – 0790)
4) Operator's manual; operating instructions (ISO 7000 – 1641)
5) Service indicator; read technical manual (ISO 7000 – 1659)

⚠ WARNING
• Ask your dealer or qualified personnel to carry out installation work. Do not attempt to install the air conditioner yourself. Improper installation may result in water leakage, electric shocks or fire.
• Install the air conditioner in accordance with the instructions in this installation manual. Improper installation may result in water leakage, electric shocks or fire.
• Only use accessories, optional equipment and spare parts made or approved by Daikin. Failure to use the specified parts may result in the unit falling, water leakage, electric shocks or fire.
• Install the air conditioner on a foundation strong enough to withstand the weight of the unit. A foundation of insufficient strength may result in the equipment falling and causing injury.
• Electrical work must be performed in accordance with relevant local and national regulations and with instructions in this installation manual. Be sure to use a dedicated power supply circuit only. Insufficiency of power circuit capacity and improper workmanship may result in electric shocks or fire.
• Use a cable of suitable length. Do not use tapped wires or an extension lead, as this may cause overheating, electric shocks or fire.
• Make sure that all wiring is secured, the specified wires are used, and that there is no strain on the terminal connections or wires. Improper connections or securing of wires may result in abnormal heat build-up or fire.
• When wiring the power supply and connecting the wiring between the indoor and outdoor units, position the wires so that the service cover can be securely fastened. Improper positioning of the service cover may result in electric shocks, fire or over heating terminals.
• 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.
• If refrigerant gas leaks during installation, ventilate the area immediately. Toxic gas may be produced if the refrigerant gas comes into contact with fire.

Safety precautions

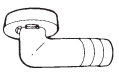
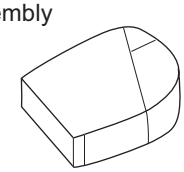
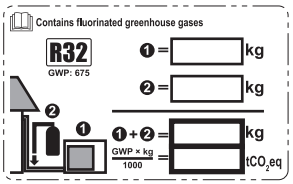
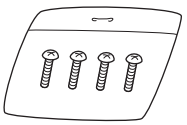
- After completing installation, check for refrigerant gas leakage.
  Toxic gas may be produced if the refrigerant gas leaks into the room and comes into contact with a source of fire, such as a fan heater, stove or cooker.
- When installing or relocating the air conditioner, be sure to bleed the refrigerant circuit to ensure it is free of air, and use only the specified refrigerant (R32).
  The presence of air or other foreign matter in the refrigerant circuit causes abnormal pressure rise, which may result in equipment damage and even injury.
- During installation, attach the refrigerant piping securely before running the compressor.
  If the refrigerant pipes are not attached and the stop valve is open when the compressor is run, air will be sucked in, causing abnormal pressure in the refrigeration cycle, which may result in equipment damage and even injury.
- During pump-down, stop the compressor before removing the refrigerant piping.
  If the compressor is still running and the stop valve is open during pump-down, air will be sucked in when the refrigerant piping is removed, causing abnormal pressure in the refrigeration cycle, which may result in equipment damage and even injury.
- Be sure to earth the air conditioner.
  Do not earth the unit to a utility pipe, lightning conductor or telephone earth lead. Imperfect earthing may result in electric shocks.
- Be sure to install an earth leakage breaker.
  Failure to install an earth leakage breaker may result in electric shocks or fire.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance must be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
- Do not pierce or burn.
- Be aware that refrigerants may not contain an odour.
- This appliance must be installed, operated and stored in a room larger than the minimum required floor area.
- Comply with national gas regulations.

⚠ CAUTION

- Do not install the air conditioner at any place where there is a danger of flammable gas leakage.
  In the event of a gas leakage, build-up of gas near the air conditioner may cause a fire to break out.
- While following the instructions in this installation manual, install drain piping to ensure proper drainage and insulate piping to prevent condensation.
  Improper drain piping may result in indoor water leakage and property damage.
- Tighten the flare nut according to the specified method such as with a torque wrench.
  If the flare nut is too tight, it may crack after prolonged use, causing refrigerant leakage.
- Make sure to provide for adequate measures in order to prevent that the outdoor unit be used as a shelter by small animals.
  Small animals making contact with electrical parts can cause malfunctions, smoke or fire. Please instruct the customer to keep the area around the unit clean.
- The temperature of refrigerant circuit will be high, please keep the inter-unit wire away from copper pipes that are not thermally insulated.
- 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.
- Sound pressure level is less than 70 dB(A).
- Provide a logbook and machine card.
  In accordance with the applicable legislation, it may be necessary to provide a logbook with the equipment containing at least: info on maintenance, repair work, results of tests, stand-by periods, …
- The following information shall be provided at an accessible place of the system:
  -instructions for shutting down the system in case of an emergency
  -name and address of fire department, police and hospital
  -name, address and day & night telephone numbers for obtaining service.
  In Europe, EN378 provides the necessary guidance for this logbook.

Accessories

Accessories supplied with the outdoor unit:

Ⓐ Installation Manual + R32 Manual	1	Ⓑ Drain plug  It is on the bottom of the packing case.	1
Ⓒ Reducer assembly  It is on the bottom of the packing case.	1		
Ⓔ Refrigerant charge label 	1	Ⓓ Screw bag (For fixing electrical wire anchor bands)  It is on the bottom of the packing case.	1
Ⓕ Multilingual fluorinated greenhouse gases label  It is on the bottom of the packing case.	1	Ⓖ Drain cap (1) 	6	Ⓗ Drain cap (2) 	3

Precautions for selecting the location

1) Choose a place solid enough to bear the weight and vibration of the unit, where the operation noise will not be amplified.
2) Choose a location where the hot air discharged from the unit or the operation noise will not cause a nuisance to the neighbours of the user.
3) Avoid places near a bedroom and the like, so that the operation noise will cause no trouble.
4) There must be sufficient spaces for carrying the unit into and out of the site.
5) There must be sufficient space for air passage and no obstructions around the air inlet and the air outlet.
6) The site must be free from the possibility of flammable gas leakage in a nearby place.
7) Install units, power cords and inter-unit wire at least 3m away from television and radio sets. This is to prevent interference to images and sounds. (Noises may be heard even if they are more than 3m away depending on radio wave conditions.)
8) In coastal areas or other places with salty atmosphere of sulfate gas, corrosion may shorten the life of the air conditioner.
9) Since water will flow from the drain of the outdoor unit, do not place under the unit anything which must be kept away from moisture.

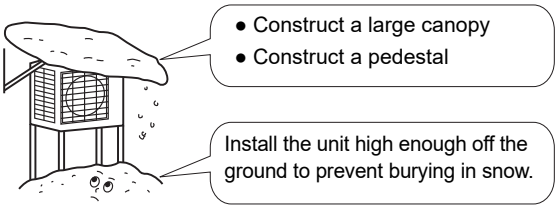
NOTE

Cannot be installed hanging from ceiling or stacked.

⚠ CAUTION

When operating the air conditioner in a low outdoor ambient temperature, be sure to follow the instructions described below.

- To prevent exposure to wind, install the outdoor unit with its suction side facing the wall.
- Never install the outdoor unit at a site where the suction side may be exposed directly to wind.
- To prevent exposure to wind, it is recommended to install a baffle plate on the air discharge side of the outdoor unit.
- In heavy snowfall areas, select an installation site where the snow will not affect the unit.



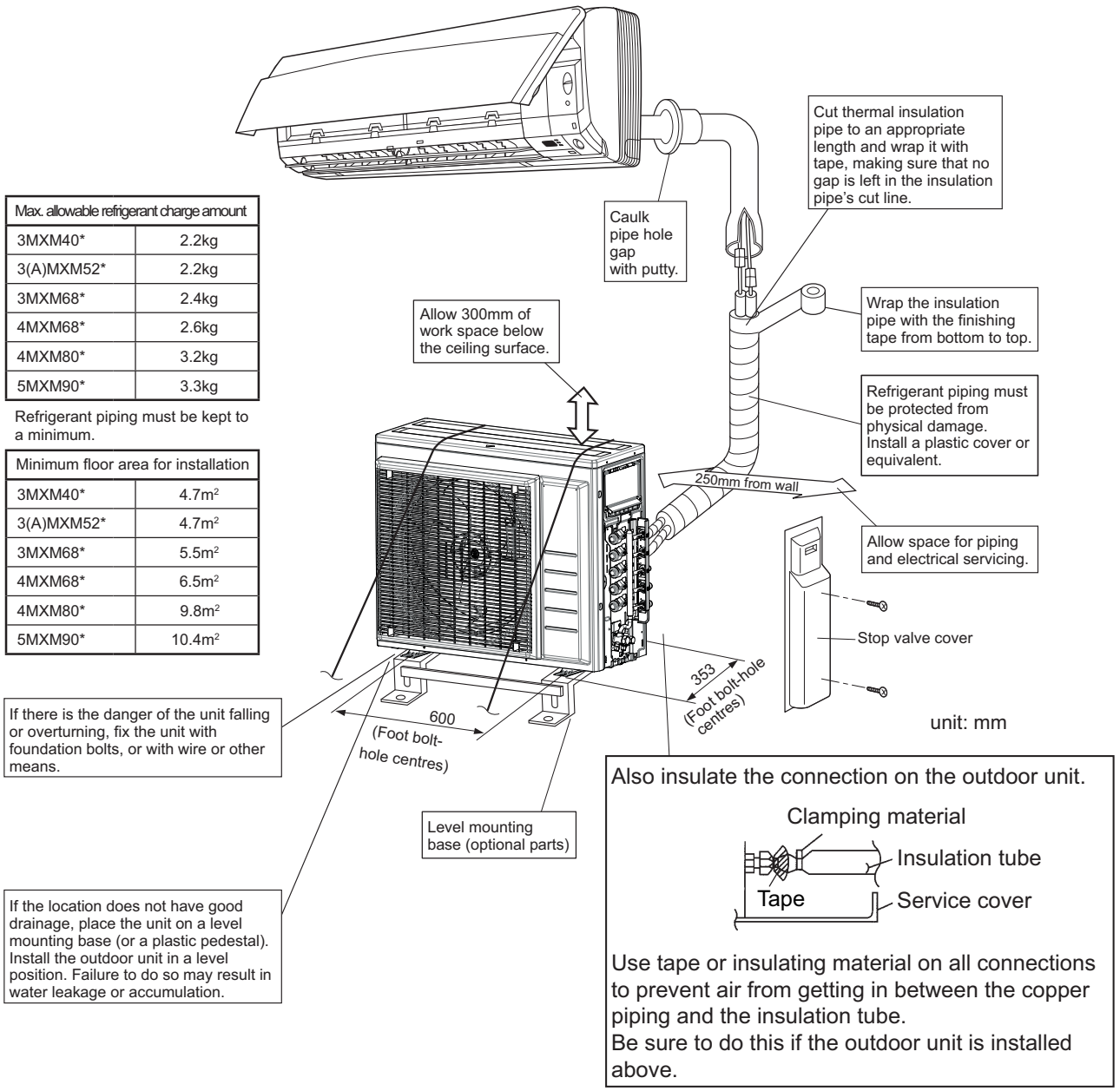
Indoor/outdoor unit installation drawings

For installation of the indoor units, refer to the installation manual which was provided with the units.
(The diagram shows a wall-mounted indoor unit.)

⚠ 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.
  Make sure no dirt or moisture gets into either side of the embedded branch piping.
  See "**6. Refrigerant piping work**" on page 11 for details.
- It is impossible to connect the indoor unit for one room only. **Be sure to connect at least 2 rooms**.

NOTE:
The DHW generator for Multi or the Hybrid for Multi are considered as one room connection.
For the correct combination see the combination table and the installation manual of the DHW generator for Multi or the Hybrid for Multi.



Max. allowable refrigerant charge amount	
3MXM40*	2.2kg
3(A)MXM52*	2.2kg
3MXM68*	2.4kg
4MXM68*	2.6kg
4MXM80*	3.2kg
5MXM90*	3.3kg

Refrigerant piping must be kept to a minimum.

Minimum floor area for installation	
3MXM40*	4.7m^2
3(A)MXM52*	4.7m^2
3MXM68*	5.5m^2
4MXM68*	6.5m^2
4MXM80*	9.8m^2
5MXM90*	10.4m^2

Installation

- Install the unit horizontally.
- The unit may be installed directly on a concrete verandah or a solid place if drainage is good.
- If the vibration may possibly be transmitted to the building, use a vibration-proof rubber (field supply).

1. Connections (connection port)

Install the indoor unit according to the table below, which shows the relationship between the class of indoor unit and the corresponding port.
The total indoor unit class that can be connected to this unit:

Heat pump type:
- 3MXM40* - Up to 7.0 kW
- 3MXM52* - Up to 9.0 kW
- 3AMXM52* - Up to 9.0 kW
- 3MXM68* - Up to 11.0 kW
- 4MXM68* - Up to 11.0 kW
- 4MXM80* - Up to 14.5 kW
- 5MXM90* - Up to 15.6 kW

Port	3MXM40*	3MXM52* 3AMXM52*
A	15 , 20 , 25 , 35	15 , 20 , 25 , 35
B	#15, #20, #25, #35	#15, #20, #25, #35, 42 , 50
C	#15, #20, #25, #35	#15, #20, #25, #35, 42 , 50
Port	3MXM68*	4MXM68*
A	15 , 20 , 25 , 35	15 , 20 , 25 , 35
B	#15, #20, #25, #35, 42 , 50 , 60	15 , 20 , 25 , 35
C	#15, #20, #25, #35, 42 , 50 , 60	#15, #20, #25, #35, 42 , 50 , 60
D		#15, #20, #25, #35, 42 , 50 , 60
Port	4MXM80*	5MXM90*
A	15 , 20 , 25 , 35	15 , 20 , 25 , 35
B	#15, #20, #25, #35, 42 , 50 , 60	15 , 20 , 25 , 35
C	Δ15, Δ20, Δ25, Δ35, □42, □50, □60, 71	#15, #20, #25, #35, 42 , 50 , 60
D	Δ15, Δ20, Δ25, Δ35, □42, □50, □60, 71	Δ15, Δ20, Δ25, Δ35, □42, □50, □60, 71
E		Δ15, Δ20, Δ25, Δ35, □42, □50, □60, 71

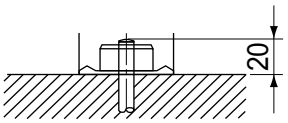
(15), (20), (25), (35), (42), (50), (60) : Use a reducer to connect pipes.
: Use No. 2 and 4 reducers.
Δ : Use No. 5 and 6 reducers.
□ : Use No. 1 and 3 reducers.

Refer to “How to Use Reducers” on page 12 for information on reducer numbers and their shapes.

NOTE:
- For the DHW generator for Multi use the same reducer as for the 20 class indoor unit.
- For the Hybrid for Multi see the indoor installation manual for a correct capacity class and the applicable reducer.

Precautions on installation

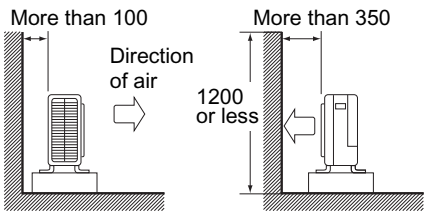
- Check the strength and level of the installation ground so that the unit will not cause any operating vibration or noise after installed.
- In accordance with the foundation drawing in fix the unit securely by means of the foundation bolts. (Prepare 4 sets of M8 or M10 foundation bolts, nuts and washers each which are available on the market.)
- It is best to screw in the foundation bolts until their ends are 20mm from the foundation surface.



Outdoor unit installation guideline

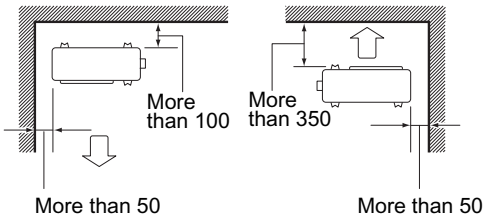
- Where a wall or other obstacle is in the path of outdoor unit's inlet or outlet airflow, follow the installation guidelines below.
- For any of the below installation patterns, the wall height on the exhaust side should be 1200mm or less.

Wall facing one side



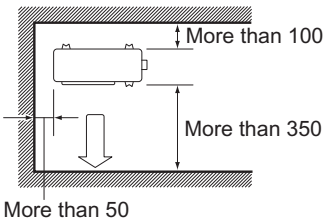
Side view

Walls facing two sides



Top view

Walls facing three sides



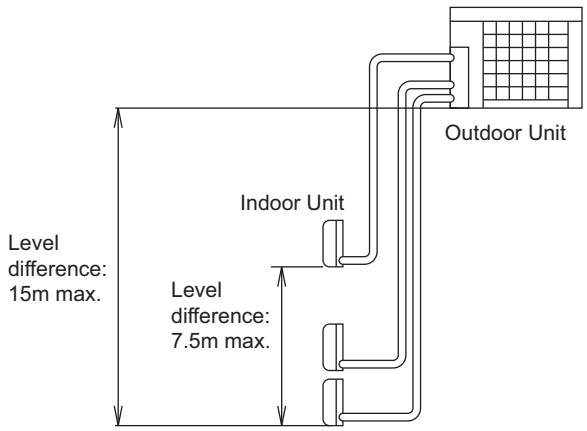
Top view

unit: mm

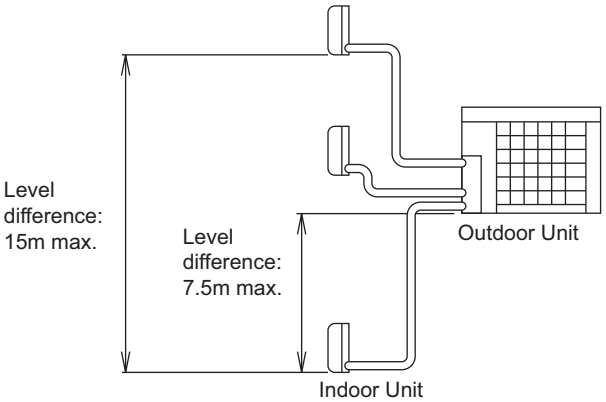
Selecting a location for installation of the Indoor units

- The maximum allowable length of refrigerant piping, and the maximum allowable height difference between the outdoor and indoor units, are listed below.
  (The shorter the refrigerant piping, the better the performance. Connect so that the piping is as short as possible. **Shortest allowable length per room is 3m.**)

Outdoor unit capacity class	3MXM40*	3MXM52* 3AMXM52*	3MXM68*	4MXM68*	4MXM80*	5MXM90*
Piping to each indoor unit	25 m max.	25 m max.	25 m max.	25 m max.	25 m max.	25 m max.
Total length of piping between all units	50 m max.	50 m max.	50 m max.	60 m max.	70 m max.	75 m max.



If the outdoor unit is positioned higher than the indoor units.



If the outdoor unit is positioned otherwise.
(If lower than one or more indoor units)

NOTE:
For the DHW generator for Multi and the Hybrid for Multi see the indoor installation manual to confirm the specific installation requirements for the allowable length and the maximum allowable height difference.

Refrigerant piping work

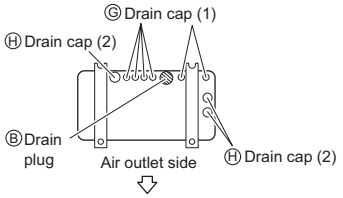
1. Installing outdoor unit

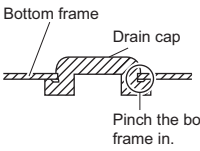
1) When installing the outdoor unit, refer to "**Precautions for Selecting the Location**" on page 3 and the "**Outdoor Unit Installation Drawings**" on page 4.
2) If drain work is necessary, follow the procedures below.

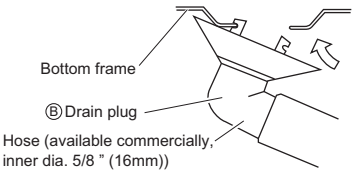
2. Drain work

- If the drain port is covered by a mounting base or floor surface, place additional foot bases of at least 1-1/4 inch (30mm) in height under the outdoor unit's feet.
- In cold areas, do not use a drain plug, drain caps (1,2) and a drain hose with the outdoor unit. (Otherwise, the drain water may freeze, impairing heating performance.)

1) Attach ? drain cap (1) and ? drain cap (2).
2) Attach ? drain plug.







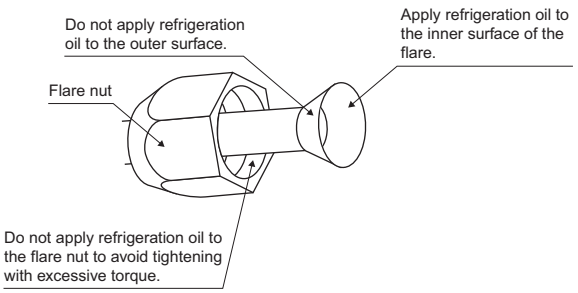
3. Refrigerant piping

⚠ CAUTION

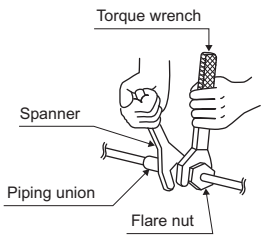
- Use the flare nut fixed to the main unit. (To prevent cracking of the flare nut by aged deterioration.)
- To prevent gas leakage, apply refrigeration oil only to the inner surface of the flare. (Use refrigeration oil for R32.)
- Use torque wrenches when tightening the flare nuts to prevent damage to the flare nuts and gas leakage.
- Do not reuse joints which have been used once already.
- Protect or enclose refrigerant tubing to avoid mechanical damage.
- Installation shall be done by an installer, the choice of materials and installation shall comply with the applicable legislation. In Europe the EN378 is the applicable standard that shall be used.
- Ensure that the field piping and connections are not subjected to stress.

Align the centres of both flares and tighten the flare nuts 3 or 4 turns by hand. Then tighten them fully with the torque wrenches.

[Apply oil]



[Tighten]



Flare nut tightening torque	
ø 1/4 inch (6.4mm)	10-1/2 — 12-3/4ft ● lbf (14.2-17.2N ● m)
ø 3/8 inch (9.5mm)	24-1/8 — 29-1/2ft ● lbf (32.7-39.9N ● m)
ø 1/2 inch (12.7mm)	36-1/2 — 44-1/2ft ● lbf (49.5-60.3N ● m)
ø 5/8 inch (15.9mm)	45-5/8 — 55-5/8ft ● lbf (61.8-75.4N ● m)

Width across flats	11/16 inch (17mm)	3/4 inch (19mm)	7/8 inch (22mm)	1-1/16 inch (27mm)
Valve cap tightening torque	10-1/2 — 12-5/8ft ● lbf (14.2-17.2N ● m)	12-5/8 — 15-3/8ft ● lbf (17.1-20.9N ● m)	16 — 20-1/4ft ● lbf (21.6-27.4N ● m)	35-3/8 — 44-1/8ft ● lbf (48-59.8N ● m)

Service port cap tightening torque	8 — 10-7/8ft ● lbf (10.8-14.7N ● m)

Refrigerant piping work

4. Evacuating the air with a vacuum pump and checking for gas leakage

⚠WARNING

- Do not mix any substance other than the specified refrigerant (R32) into the refrigeration cycle.
- When refrigerant gas leaks should occur, ventilate the room as soon and as much as possible.
- R32, as well as other refrigerants, should always be recovered and never be released directly into the environment.
- Use a vacuum pump for R32 or R410A exclusively. Using the same vacuum pump for different refrigerants may damage the vacuum pump or the unit.
- **Use tools for R32 or R410A (such as the gauge manifold, charging hose, or vacuum pump adapter).**
- During tests never pressurize the appliances with a pressure higher than the maximum allowable pressure (as indicated on the nameplate of the unit).
- Never directly touch any accidental leaking refrigerant. This could result in severe wounds caused by frostbite.

- When piping work is completed, it is necessary to purge the air and check for gas leakage.
- If using additional refrigerant, perform air purging from the refrigerant pipes and indoor unit using a vacuum pump, then charge additional refrigerant.
- Use a hexagonal wrench (4mm) to operate the stop valve rod.
- All refrigerant pipe joints should be tightened with a torque wrench to the specified tightening torque.

1) Connect projection side of charging hose (which comes from gauge manifold) to gas stop valve's service port.

2) Fully open gauge manifold's low-pressure valve (Lo) and completely close its high-pressure valve (Hi).
(High-pressure valve subsequently requires no operation.)

3) Perform vacuum pumping and make sure that the compound pressure gauge reads –0.1MPa (–76cmHg).
Evacuation for **at least 1 hour** is recommended.

4) Close gauge manifold's low-pressure valve (Lo) and stop vacuum pump.
(Keep this state for 4-5 minutes to make sure that the compound pressure gauge pointer does not swing back.
If it does go back, this may indicate the presence of moisture or leaking from connecting parts. After inspecting all the connection and loosening then retightening the nuts, repeat steps 2-4.)

5) Remove covers from liquid stop valve and gas stop valve.

6) Turn the liquid stop valve's rod 90 degrees counterclockwise with a hexagonal wrench to open valve.
Close it after 5 seconds, and check for gas leakage.
Using soapy water, check for gas leakage from indoor unit's flare and outdoor unit's flare and valve rods.
After the check is complete, wipe all soapy water off.

7) Disconnect charging hose from gas stop valve's service port, then fully open liquid and gas stop valves.
(Do not attempt to turn valve rod beyond its stop.)

8) Tighten valve caps and service port caps for the liquid and gas stop valves with a torque wrench at the specified torques.
See **"3. Refrigerant piping"** on page 8 for details.

Refrigerant piping work

5. Charging refrigerant

1) If the total length of piping for all rooms exceeds the figure listed below, additionally charge with **20g** of refrigerant (R32) for each additional meter of piping.

Outdoor capacity class	3MXM40*, 3MXM52*, 3AMXM52*, 3MXM68*, 4MXM68*, 4MXM80*, 5MXM90*
Total length of piping for all rooms	30 m

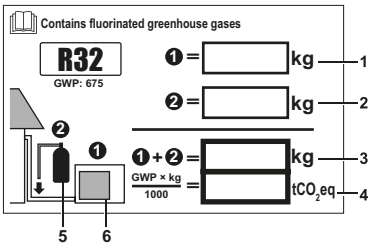
Important information regarding the refrigerant used

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

Refrigerant type: **R32**
GWP(1) value: **675** (1) GWP = global warming potential

Please fill in with indelible ink,
- ① the factory refrigerant charge of the product,
- ② the additional refrigerant amount charged in the field and
- ①+② the total refrigerant charge
- tCO_2eq calculation according to the formula (rounded up to 2 decimal places)
  on the refrigerant charge label supplied with the product.

The filled out label must be adhered in the proximity of the product charging port (e.g. onto the inside of the stop valve cover).



1 Factory refrigerant charge of the product: see unit name plate
2 Additional refrigerant amount charged in the field
3 Total refrigerant charge
4 Quantity of fluorinated greenhouse gases of the total refrigerant charge expressed as tonnes CO_2 equivalent.
5 Refrigerant cylinder and manifold for charging
6 Outdoor unit

NOTE
National implementation of EU regulation on certain fluorinated greenhouse gases may require to provide the appropriate official national language on the unit. Therefore an additional multilingual fluorinated greenhouse gases label is supplied with the unit. Sticking instructions are illustrated on the backside of that label.

NOTICE

Applicable legislation on **fluorinated greenhouse gases** requires that the refrigerant charge of the unit is indicated both in weight and CO_2 equivalent.

Formula to calculate the quantity in CO_2 equivalent tonnes: GWP value of the refrigerant × total refrigerant charge [in kg] / 1000

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

⚠ CAUTION

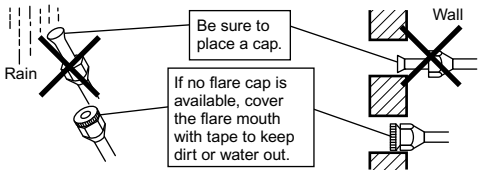
Even though the stop valve is fully closed, the refrigerant may slowly leak out; do not leave the flare nut removed for a long period of time.

Precautions for compressor

⚠ WARNING	
	Electric shock hazard • Use this compressor on a grounded system only. • Turn power OFF before servicing. • Replace terminal cover before applying power.
	Injury hazard • Wear protective goggles.
	Explosion or fire hazard • Use tubing cutter to remove compressor. • Do NOT use torch. System contains refrigerant under pressure. • Do NOT drive under air or vacuum condition. • Use only approved refrigerants and lubricants.
	Burn hazard • Do NOT touch with bare hands during or immediately after operation.

Refrigerant piping work

6. Refrigerant piping work



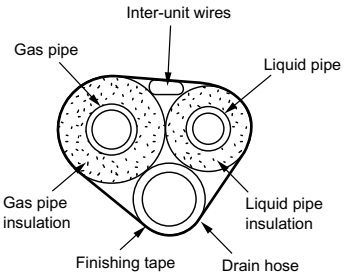
Cautions on pipe handling

1) Protect the open end of the pipe against dust and moisture.
2) All pipe bends should be as gentle as possible. Use a pipe bender for bending.

Selection of copper and heat insulation materials

When using commercial copper pipes and fittings, observe the following:

1) Insulation material: Polyethylene foam
   Heat transfer rate: 0.041 to 0.052W/mK (0.035 to 0.045kcal/mh°C)
   Refrigerant gas pipe's surface temperature reaches 110°C max.
   Choose heat insulation materials that will withstand this temperature.
2) Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.



Gas pipe	O.D.: 9.5 mm, 12.7 mm / Thickness: 0.8 mm (C1220T-O) O.D.: 15.9 mm / Thickness: 1.0 mm (C1220T-O)
Liquid pipe	O.D.: 6.4 mm / Thickness: 0.8 mm (C1220T-O)

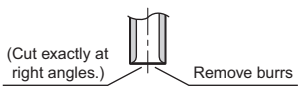
Gas pipe insulation	I.D.: 12-15 mm, I.D.: 16-20 mm / Thickness: 13 mm min.
Liquid pipe insulation	I.D.: 8-10 mm / Thickness: 10 mm min.

Minimum bend radius	O.D.: 6.4 mm, 9.5 mm / 30 mm or more O.D.: 12.7 mm / 40 mm or more O.D.: 15.9 mm / 50 mm or more

3) Use separate thermal insulation pipes for gas and liquid refrigerant pipes.
4) Piping and other pressure containing parts shall comply with the applicable legislation and shall be suitable for refrigerant. Use phosphoric acid deoxidised seamless copper for refrigerant.

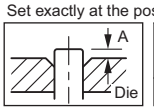
7. Flaring the pipe end

1) Cut the pipe end with a pipe cutter.
2) Remove burrs with the cut surface facing downward so that the chips do not enter the pipe.
3) Put the flare nut on the pipe.
4) Flare the pipe.
5) Check that the flaring is properly made.

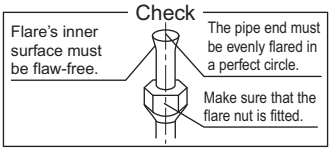


Flaring

Set exactly at the position shown below.



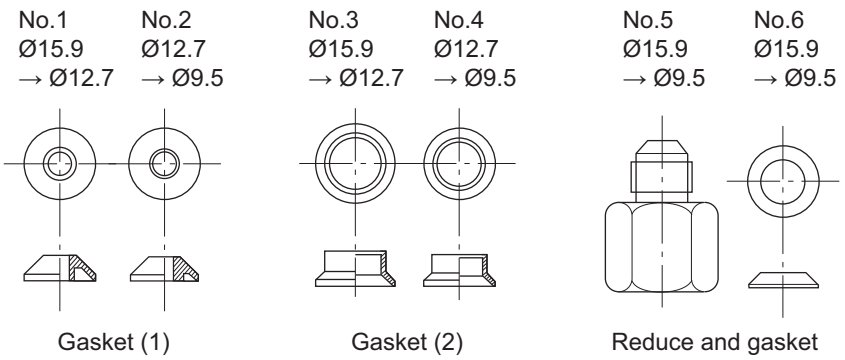
	Flare tool for R32	Conventional flare tool	
	Clutch-type	Clutch-type (Ridgid-type)	Wing-nut type (Imperial-type)
A	0-0.5mm	1.0-1.5mm	1.5-2.0mm



⚠ WARNING

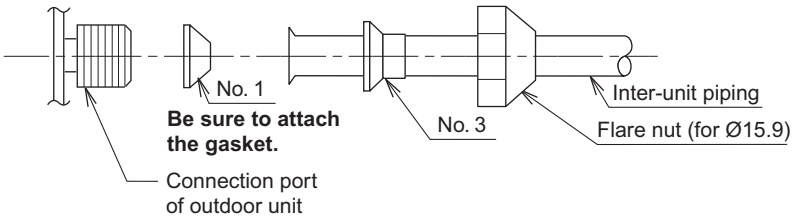
- Do not use mineral oil on flared part.
- Prevent mineral oil from getting into the system as this would reduce the lifetime of the units.
- Never use piping which has been used for previous installations. Only use parts which are delivered with the unit.
- Never install a dryer to this R32 unit in order to guarantee its lifetime.
- The drying material may dissolve and damage the system.
- Incomplete flaring may cause refrigerant gas leakage.

How to use reducers

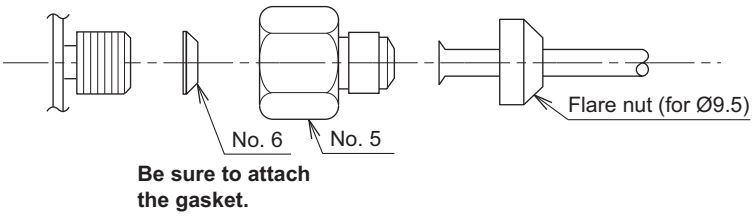


Use the reducers supplied with the unit as described below.

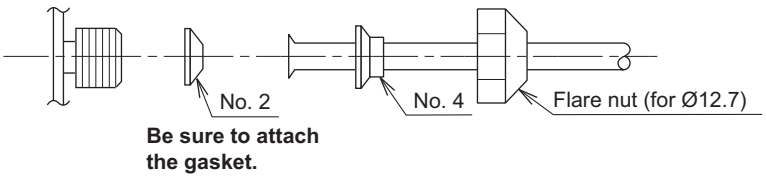
1) Connecting a pipe of Ø12.7 to a gas pipe connection port for Ø15.9:



2) Connecting a pipe of Ø9.5 to a gas pipe connection port for Ø15.9:



3) Connecting a pipe of Ø9.5 to a gas pipe connection port for Ø12.7:



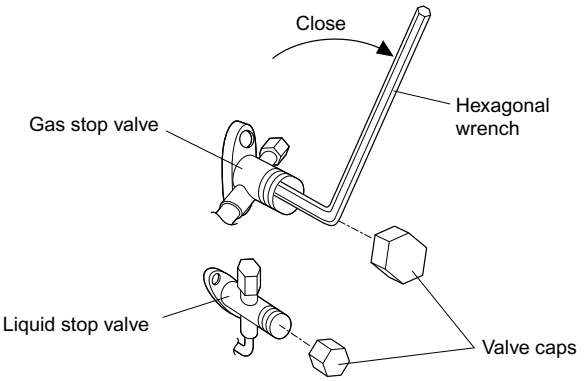
- When using the reducer packing shown above, be careful not to over-tighten the nut, or the smaller pipe may be damaged. (about 2/3 - 1 the normal torque)
- Apply a coat of refrigeration oil to the threaded connection port of the outdoor unit where the flare nut comes in.
- Use an appropriate wrench to avoid damaging the connection thread by over-tightening the flare nut.

Flare nut tightening torque	
Flare nut for Ø9.5	32.7–39.9N·m (333–407kgf·cm)
Flare nut for Ø12.7	49.5–60.3N·m (505–615kgf·cm)
Flare nut for Ø15.9	61.8–75.4N·m (630–769kgf·cm)

Pump down operation

In order to protect the environment, be sure to pump down when relocating or disposing of the unit.

1) Remove the valve cap from liquid stop valve and gas stop valve.
2) Carry out forced cooling operation.
3) After 5 to 10 minutes, close the liquid stop valve with a hexagonal wrench.
4) After 2 to 3 minutes, close the gas stop valve and stop forced cooling operation.



NOTE:
For the Hybrid for Multi it shall be guaranteed that all the required precautions are taken to avoid possible freezing damage at the water heat exchanger before this function is allowed to be used or activated.
For detailed information see the indoor installation manual.

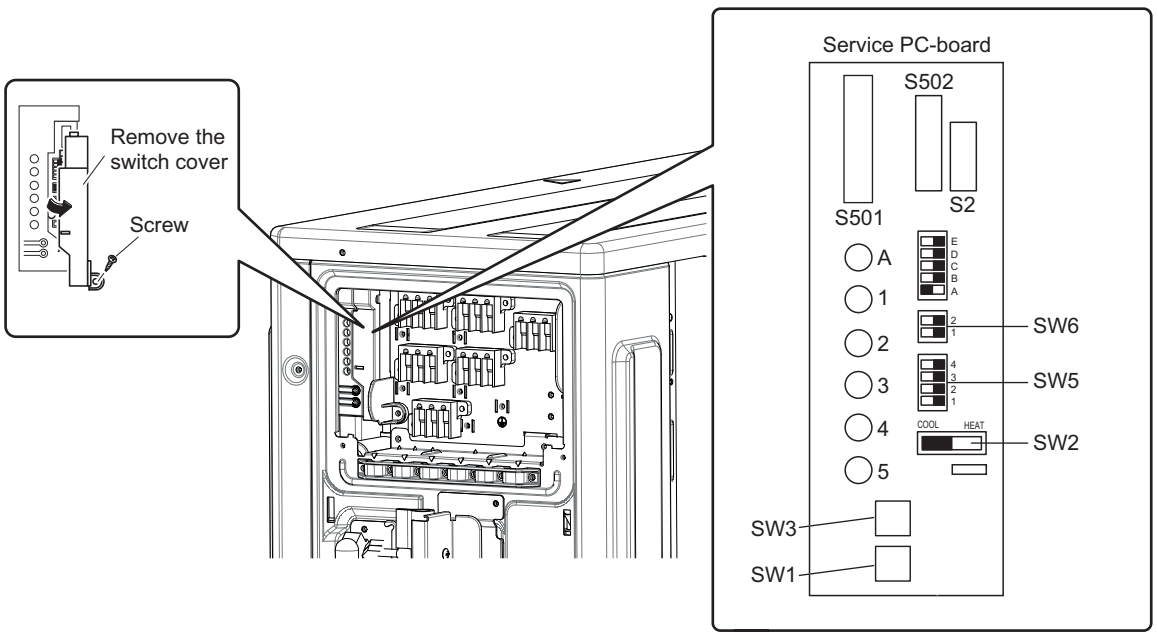
1. Forced operation

1) Switch off the power.
2) Remove the Service cover (2 screws).
3) Remove the service PC-board switch cover (1 screw).
4) Switch SW5 and SW6 to off.
5) Turn the operation mode switch (SW2) to COOL.
6) Screw the service PC-board switch cover back on (1 screw).
7) Switch the power on.
8) Push the forced operation switch (SW1) above the service PC-board cover.

■Start forced cooling operation.
To stop forced operation, push the forced operation switch (SW1) again.

⚠ WARNING

Do not remove the switch cover unless the power has been turned off. (Risk of electric shock)



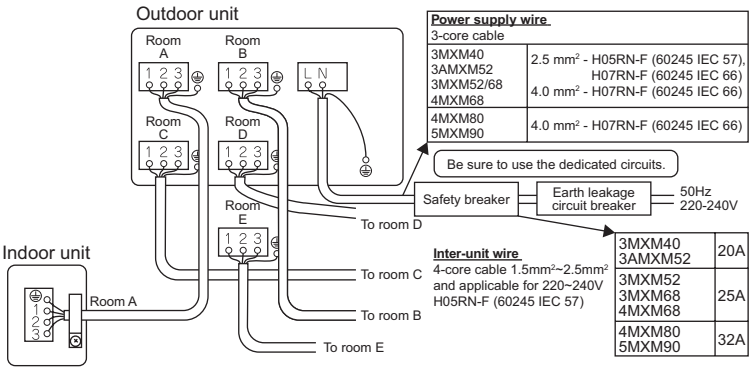
Wiring

⚠ WARNING

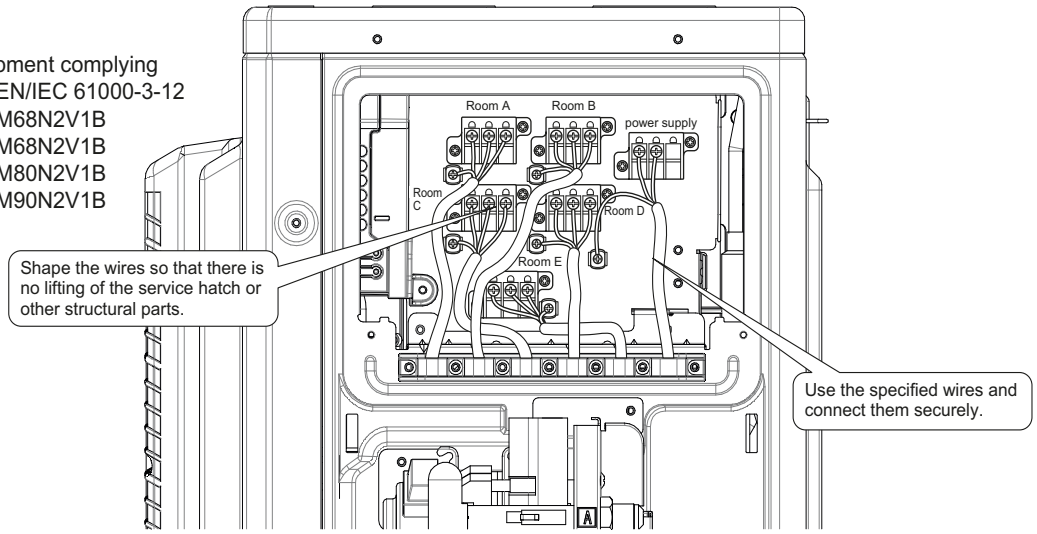
- Do not use tapped wires, stranded wires, extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire.
- Do not use locally purchased electrical parts inside the product. (Do not branch the power for the drain pump, etc., from the terminal block.) Doing so may cause electric shock or fire.
- Be sure to install an earth leakage breaker. (One that can handle higher harmonics.)
  (This unit uses an inverter, which means that an earth leakage breaker capable of handling harmonics must be used, in order to prevent malfunctioning of the earth leakage breaker itself.)
- 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.
- Do not connect the power wire to the indoor unit. Doing so may cause electric shock or fire.

<Wiring procedure>

1) Strip the insulation from the wire (3/4inch (20mm)).
2) Connect the connection wires between the indoor and outdoor units **so that the terminal numbers match**. Tighten the terminal screws securely. We recommend a flathead screwdriver be used to tighten the screws.
3) **Be sure to match the symbols for wiring and piping.**
4) Pull the wire lightly to make sure that it does not disconnect.
5) Pass the wiring through the cutout on the bottom of the protection plate and attach the protection plate.
6) After completing the work, reattach the service cover to its original position.



Equipment complying
with EN/IEC 61000-3-12
3MXM68N2V1B
4MXM68N2V1B
4MXM80N2V1B
5MXM90N2V1B



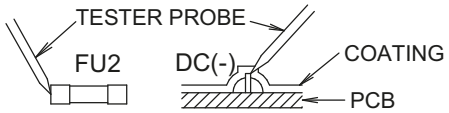
1. Safe handling of high voltage part

⚠ WARNING

Do NOT touch the charged part for 10 minutes after the safety breaker is turned OFF, because of the danger of high voltage.

1-1. To prevent electrical shock

- Use a tester to check that the voltage between 'FU2' and 'DC(-)' is 50V or less. (Refer to "Layout diagram of electrical components" on the next page)
- The surface of the test points (FU2, DC(-)) may be covered with coating.
- Be sure to make firm contact between tester probes and test points



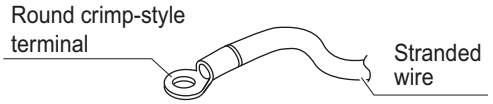
1-2. Reconnecting after check

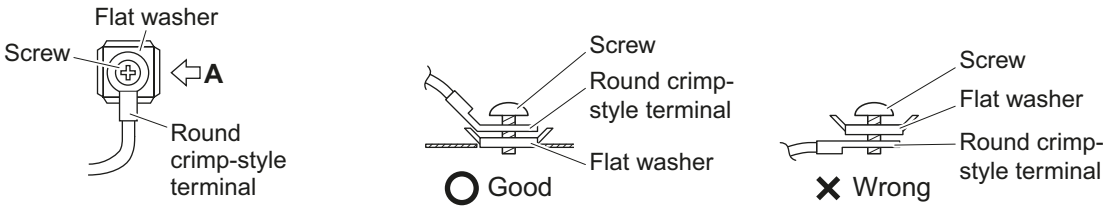
- When reconnecting, be sure to reconnect everything in the same way as it was before.

Wiring

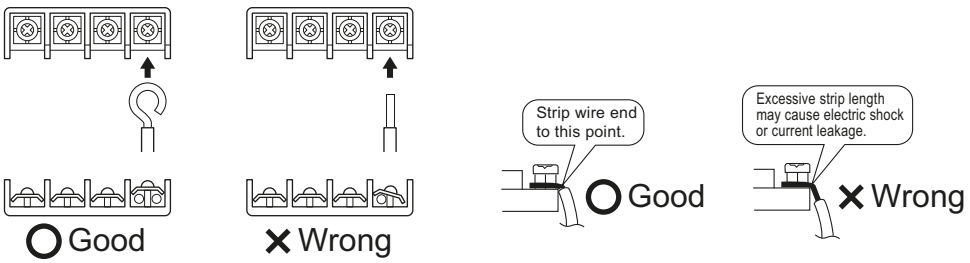
⚠ CAUTION

- Precautions to be taken for power supply wiring. When using stranded wires, make sure to use the round crimp-style terminal for connection to the power supply terminal



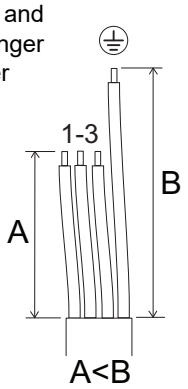


- When connecting the inter-unit wires to the terminal block using a single core wire, be sure to curl the end of the lead. Improper work may cause heat and fires.



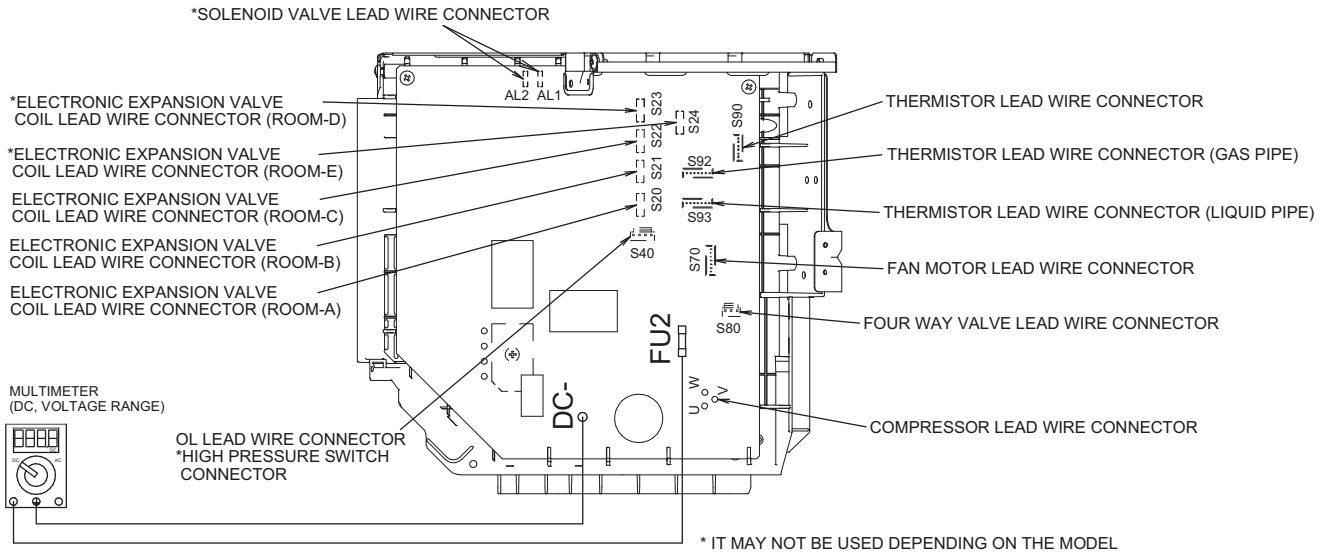
Stripping wire at terminal block

- Make sure that the earth wire between the pull relief and terminal is longer than the other wires.



Ground
This air conditioner must be grounded. For grounding, follow all local, and state electrical codes.

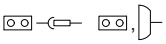
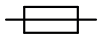
LAYOUT DIAGRAM OF ELECTRICAL COMPONENTS



Wiring

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		
AC*, CN*, E*, HA*, HE*, HL*, HN*, HR*, MR*_A, MR*_B, S*, U, V, W, X*A, K*R_*	: CONNECTION, CONNECTOR	Q*DI	: EARTH LEAK CIRCUIT BREAKER
		Q*L	: OVERLOAD PROTECTOR
		Q*M	: THERMO SWITCH
D*, V*D	: DIODE	R*	: RESISTOR
DB*	: DIODE BRIDGE	R*T	: THERMISTOR
DS*	: DIP SWITCH	RC	: RECEIVER
E*H	: HEATER	S*C	: LIMIT SWITCH
F*U, FU* (FOR CHARACTERISTICS, REFER TO PCB INSIDE YOUR UNIT)	: FUSE	S*L	: FLOAT SWITCH
		S*NPH	: PRESSURE SENSOR (HIGH)
FG*	: CONNECTOR (FRAME GROUND)	S*NPL	: PRESSURE SENSOR (LOW)
H*	: HARNESS	S*PH, HPS*	: PRESSURE SWITCH (HIGH)
H*P, LED*, V*L	: PILOT LAMP, LIGHT EMITTING DIODE	S*PL	: PRESSURE SWITCH (LOW)
HAP	: LIGHT EMITTING DIODE (SERVICE MONITOR GREEN)	S*T	: THERMOSTAT
HIGH VOLTAGE	: HIGH VOLTAGE	S*RH	: HUMIDITY SENSOR
IES	: INTELLIGENT EYE SENSOR	S*W, SW*	: OPERATION SWITCH
IPM*	: INTELLIGENT POWER MODULE	SA*, F1S	: SURGE ARRESTER
K*R, KCR, KFR, KHuR, K*M	: MAGNETIC RELAY	SR*, WLU	: SIGNAL RECEIVER
L	: LIVE	SS*	: SELECTOR SWITCH
L*	: COIL	SHEET METAL	: TERMINAL STRIP FIXED PLATE
L*R	: REACTOR	T*R	: TRANSFORMER
M*	: STEPPER MOTOR	TC, TRC	: TRANSMITTER
M*C	: COMPRESSOR MOTOR	V*, R*V	: VARISTOR
M*F	: FAN MOTOR	V*R	: DIODE BRIDGE
M*P	: DRAIN PUMP MOTOR	WRC	: WIRELESS REMOTE CONTROLLER
M*S	: SWING MOTOR	X*	: TERMINAL
MR*, MRCW*, MRM*, MRN*	: MAGNETIC RELAY	X*M	: TERMINAL STRIP (BLOCK)
N	: NEUTRAL	Y*E	: ELECTRONIC EXPANSION VALVE COIL
n=*, N=*	: NUMBER OF PASSES THROUGH FERRITE CORE	Y*R, Y*S	: REVERSING SOLENOID VALVE COIL
PAM	: PULSE-AMPLITUDE MODULATION	Z*C	: FERRITE CORE
PCB*	: PRINTED CIRCUIT BOARD	ZF, Z*F	: NOISE FILTER
PM*	: POWER MODULE		

Standby electricity saving

3MXM40*, 3MXM52*, 3AMXM52* only

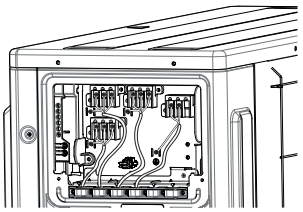
The standby electricity saving function turns off power supply to the outdoor unit and sets the indoor unit into standby electricity saving mode, thus reducing the power consumption of the air conditioner.
The standby electricity saving function works on the following indoor unit.

For FTXM, FTXP, FTXJ, FVXM type

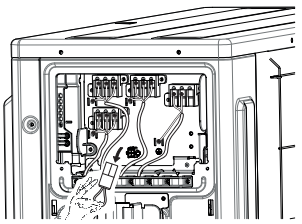
⚠ CAUTION

• The standby electricity saving function cannot be used for models other than the specified ones.

- **Procedure for turning on standby electricity saving function**
  1) Check that the main power supply is turned off. Turn it off if it has not been turned off.
  2) Remove the stop valve cover.
  3) Disconnect the selective connector for standby electricity saving.
  4) Turn on the main power supply.



Standby electricity saving function off.



Standby electricity saving function on.

The standby electricity saving function is turned off before shipping.

⚠ CAUTION

- Before connecting or disconnecting the selective connector for standby electricity saving, make sure that the main power supply is turned off.
- The selective connector for standby electricity saving is required if an indoor unit other than the above applicable one is connected.

Priority room setting

- To use priority room setting, initial settings must be made when the unit is installed. Explain the priority room setting, as described below, to the customer, and confirm whether or not the customer wants to use priority room setting.
  Setting it in the guest and living rooms is convenient.

1. About the priority room setting function

The indoor unit for which priority room setting is applied takes priority in the following cases.

1-1. Operation mode priority

The operation mode of the indoor unit which is set for priority room setting takes priority. If the set indoor unit is operating, all other indoor units do not operate and enter standby mode, according to the operation mode of the set indoor unit.

1-2. Priority during high-power operation

If the indoor unit which is set for priority room setting is operating at high power, the capabilities of other indoor units will be somewhat reduced. Power supply gives priority to the indoor unit which is set for priority room setting.

1-3. Quiet operation priority

Setting the indoor unit to quiet operation will make the outdoor unit run quietly.

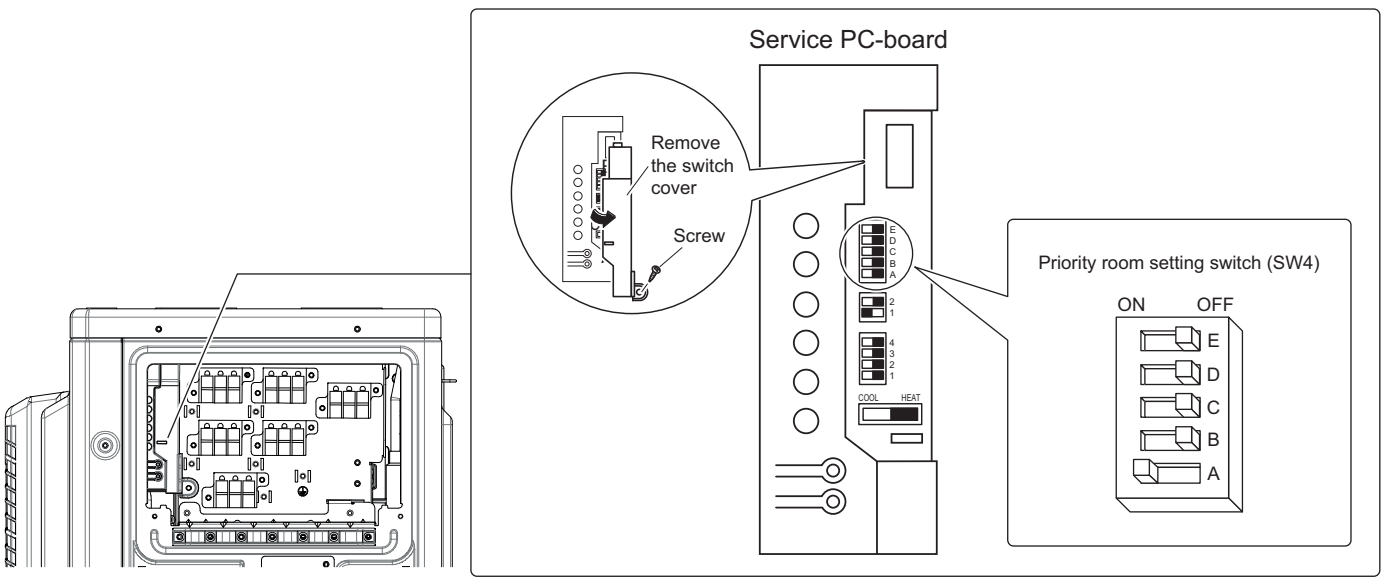
Setting procedure

Slide the switch to the ON side for the switch that corresponds to the piping connected to the indoor unit to be set. (In the figure below, it is room A.) Once the settings are complete, reset the power.

NOTE:

Priority room setting is only applicable for an air conditioner indoor unit.

Be sure to only set one room



Night quiet mode setting

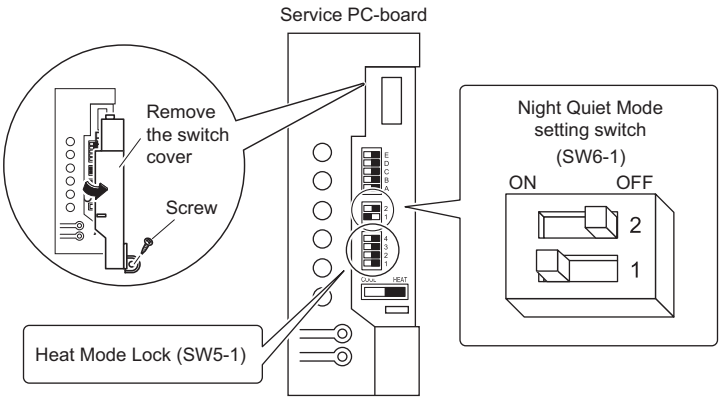
- If Night Quiet Mode is to be used, initial settings must be made when the unit is installed. Explain Night Quiet Mode, as described below, to the customer, and confirm whether or not the customer wants to use Night Quiet Mode.

About Night Quiet Mode

The Night Quiet Mode function reduces operating noise of the outdoor unit at nighttime. This function is useful if the customer is worried about the effects of the operating noise on the neighbors.
However, if Night Quiet Mode is running, cooling capacity will be saved.

Setting procedure

Turn the Night Quiet Mode switch (SW6-1) to on.



HEAT Mode Lock <SW5-1>

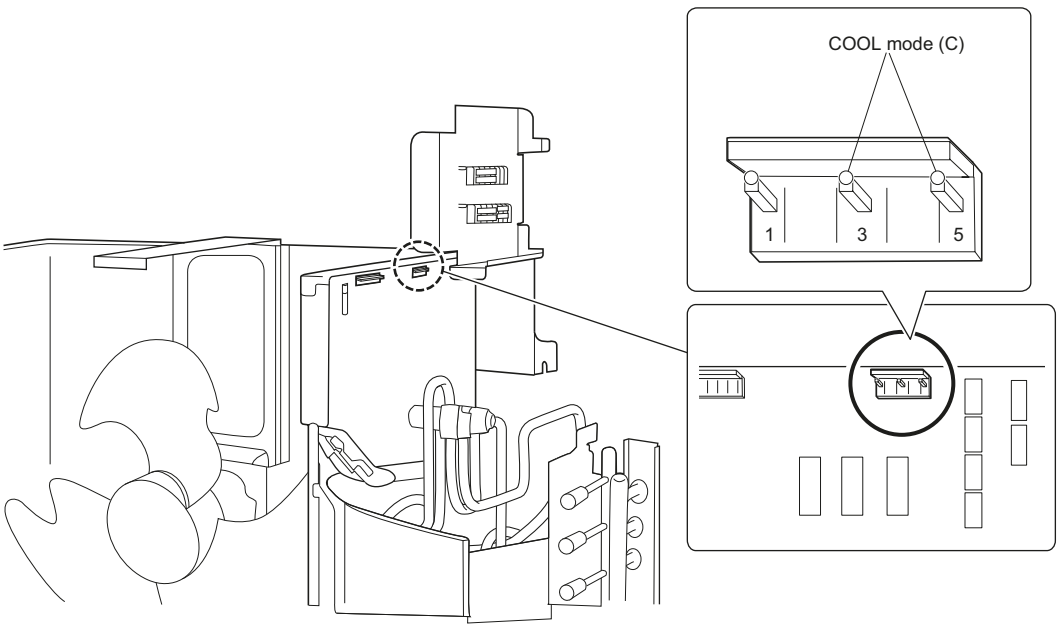
- Use the HEAT Mode Lock switch (SW5-1) in the "ON" position.

COOL Mode Lock <S15>

- Use the S15 connector to set the unit to cool only.
  Setting to only cool (C) : short-circuit pins 3 and 5 of the connector <S15>
  The following specifications apply to the connector housing and pins.
  ST products Housing: VHR-5N
  Pin: SVH-21T-1,1
  Note that forced operation is also possible in COOL mode.

NOTE

When the COOL Mode Lock is used in combination with the DHW generator for Multi or the Hybrid for Multi. These units will not operate by the heat pump.

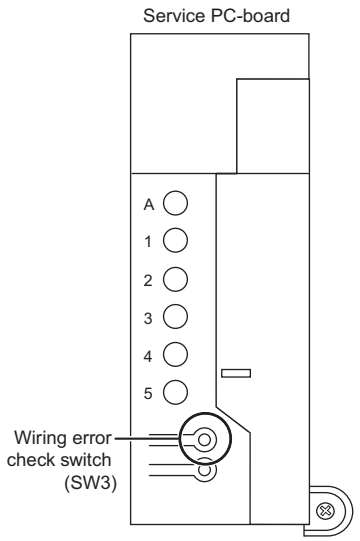


Trial operation and testing

- For the DHW generator for Multi or the Hybrid for Multi certain precautions shall be taken before this function is allowed to be used or activated. For detailed information see the indoor installation manual.
- Before starting the test run, measure the voltage at the primary side of the safety breaker.
- Check that all liquid and gas stop valves are fully open.
- Check that piping and wiring all match. The wiring error check can be conveniently used for underground wiring and other wiring that cannot be directly checked.
- Initialization of the Multi system can take several minutes depending on the number of indoor units and options used.

1. Wiring error check

- This product is capable of automatic correction of wiring error.
- Press the “wiring error check switch” on the outdoor unit service PC-board. However, the wiring error check switch will not function for 3 minutes after the safety breaker is turned on, or depending on the outside air conditions (See Note 2.). About 15–20 minutes after the switch is pressed, the errors in the connection wiring will be corrected.

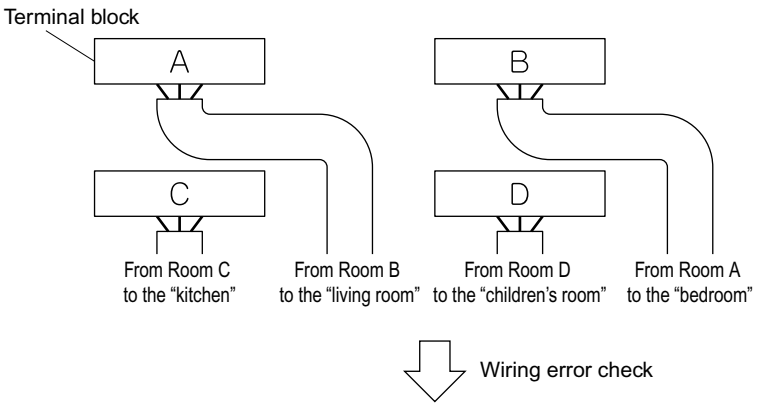


The service monitor LEDs indicate whether or not correction is possible, as shown in the table below. For details about how to read the LED display, refer to the service manual.

If self-correction is not possible, check the indoor unit wiring and piping in the usual manner.

LED	1	2	3	4	5	Message
Status	All Flashing					Automatic correction impossible
	Flashing One after another					Automatic correction completed
	☼ (One or more of LEDs 1 to 4 are ON)					Abnormal stop [NOTE. 4]

Wiring correct example



∗ The figure at left shows branch wiring.

Wiring error check

LED lighting sequence after a wiring correction.

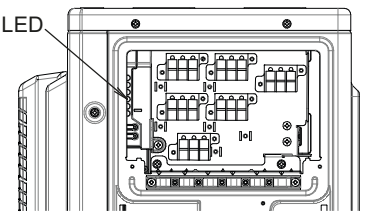
Order of LED flashing: 2 → 1 → 3 → 4

NOTE:

1) For two rooms, LED 3, 4 and 5 are not displayed, and for three rooms, LED 4 and 5 is not displayed, and for four rooms, LED 5 is not displayed.
2) If the outside air temperature is **5°C or less**, the wiring error check function will not operate.
3) After wiring error check operation is completed, LED indication will continue until ordinary operation starts. This is normal.
4) Follow the product diagnosis procedures. (Details of product error diagnosis are listed on the back of the **right side plate**.)

Trial operation and testing

2. Product diagnosis procedure



NOTE:

1)Turn the power OFF and then ON again if the LED display recurs, the outdoor PCB is faulty.
2)Diagnosis marked * may not apply to some cases. For details refer to the service guide.
3)Do NOT touch terminal strip and PCB assy.

1-1. Diagnosis using LEDs

GREEN	RED					
Micro-computer normal LED-A	Malfunction detected					
	LED1	LED2	LED3	LED4	LED5	Diagnosis
◑	●	●	●	●	●	Normal -> check indoor unit.
◑	☼	●	☼	☼	●	High pressure protector worked or freeze-up in operating unit, or stand-by unit.
◑	☼	●	☼	●	●	* Overload relay worked or high discharge pipe temperature.
◑	●	☼	☼	●	●	Faulty compressor start.
◑	●	☼	●	☼	●	Input over-current.
◑	☼	☼	●	●	●	* Thermistor or CT abnormality.
◑	☼	☼	●	☼	●	High temperature switch-box.
◑	●	●	●	☼	●	High temperature at inverter circuit heat-sink.
◑	●	●	☼	●	●	* Output over-current.
◑	●	●	☼	☼	●	* Refrigerant shortage.
◑	☼	●	●	☼	●	Low voltage to main circuit or over voltage to main circuit.
◑	☼	●	●	●	●	Reversing solenoid valve switching failure. * Or high pressure switching failure.
◑	☼	☼	☼	●	●	Faulty outdoor unit PCB.
◑	☼	☼	☼	☼	●	Fan motor fault.
◑	●	☼	●	●	●	Wiring error -> check unfinished.
☼	—	—	—	—	—	Note 1
●	—	—	—	—	—	* Power supply fault.

☼	●	◑	—
ON	OFF	Flashing	Any status

GREEN	RED
Flashing: normal	OFF: normal

Trial operation and testing

3. Trial operation and testing

1) To test cooling, set for the lowest temperature. To test heating, set for the highest temperature. (Depending on the room temperature, only heating or cooling (but not both) may be possible.)
2) After the unit is stopped, it will not start again (heating or cooling) for approximately 3 minutes.
3) When trial operation is conducted in the HEAT operation directly after the circuit breaker is turned on, in some cases no air will be output for about 15 minutes in order to protect the air conditioner.
4) During the test run, first check the operation of each unit individually. Then also check the simultaneous operation of all indoor units.
   Check both heating and cooling operation.
5) After running the unit for approximately 20 minutes, measure the temperatures at the indoor unit inlet and outlet. If the measurements are above the values shown in the table below, then they are normal.

- During the test run operation only air conditioner indoor units shall be operate (The DHW generator for Multi or the Hybrid for multi shall be OFF during the test run operation).

	Cooling	Heating
Temperature difference between inlet and outlet	Approx. 8°C	Approx. 20°C

(When running in one room)

6) During cooling operation, frost may form on the gas stop valve or other parts. This is normal.
7) Operate the indoor units in accordance with the included operation manual. Check that they operate normally.

4. Items to check

Check item	Consequences of trouble	Check
Are the indoor units installed securely?	Falling, vibration, noise	
Has an inspection been made to check for gas leakage?	Incomplete cooling/heating function	
Has complete thermal insulation been done (gas pipes, liquid pipes, indoor portions of the drain hose extension)?	Water leakage	
Is the drainage secure?	Water leakage	
Are the ground wire connections secure?	Electrical leakage	
Are the electric wires connected correctly?	Incomplete cooling/heating function	
Is the wiring in accordance with the specifications?	No operation or burn damage	
Are the inlets/outlets of the indoor and outdoor units free of any obstructions?	Incomplete cooling/heating function	
Are the stop valves open?	Incomplete cooling/heating function	
Do the marks match (room A, room B, room C, room D, room E) on the wiring and piping for each indoor unit?	Incomplete cooling/heating function	
Is the priority room setting set for 2 or more rooms? (The DHW generator for Multi or the Hybrid for Multi shall not be selected as the priority room.)	The priority room setting will not function.	

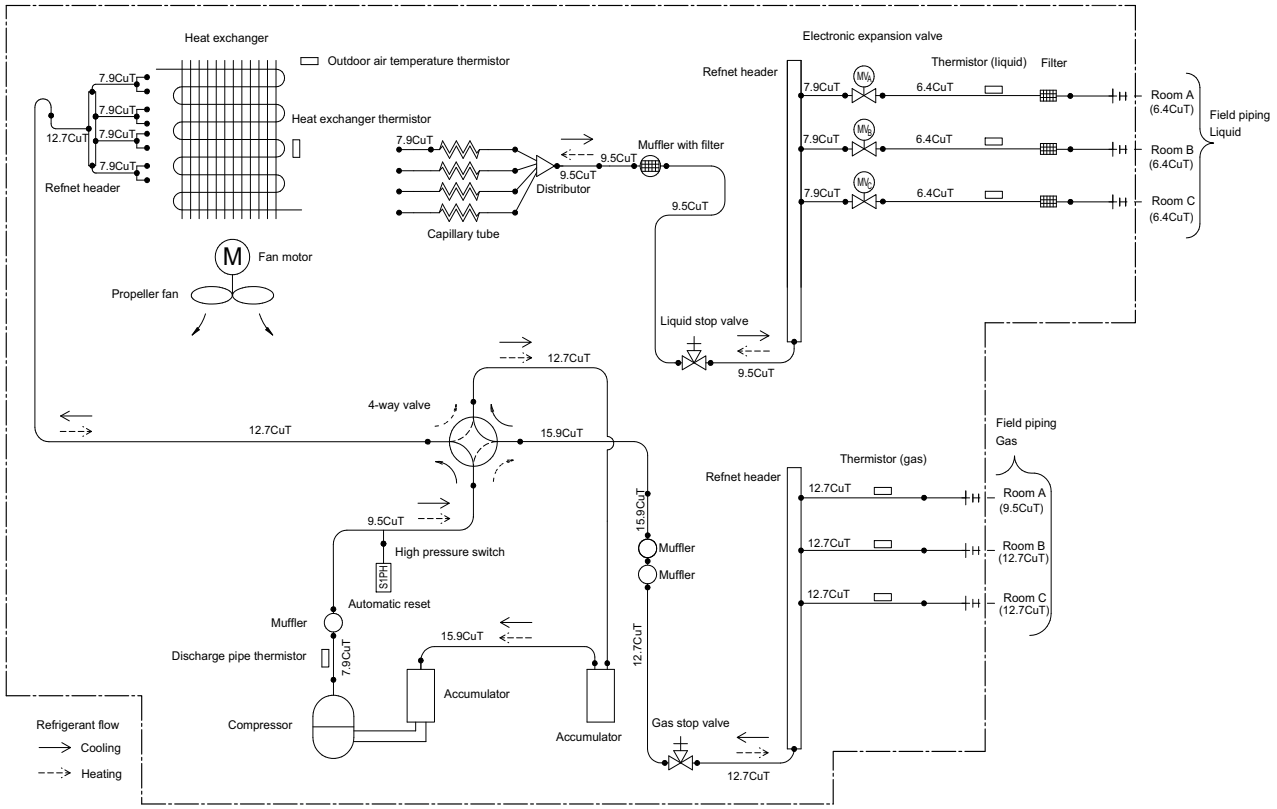
ATTENTION

- Have the customer actually operate the unit while looking at the manual included with the indoor unit. Instruct the customer how to operate the unit correctly (particularly cleaning of the air filters, operation procedures, and temperature adjustment).
- Even when the air conditioner is not operating, it consumes some electric power. If the customer is not going to use the unit soon after it is installed, turn off the breaker to avoid wasting electricity.
- If additional refrigerant has been charged because of long piping, list the amount added on the nameplate on the reverse side of the stop valve cover.

Piping diagram

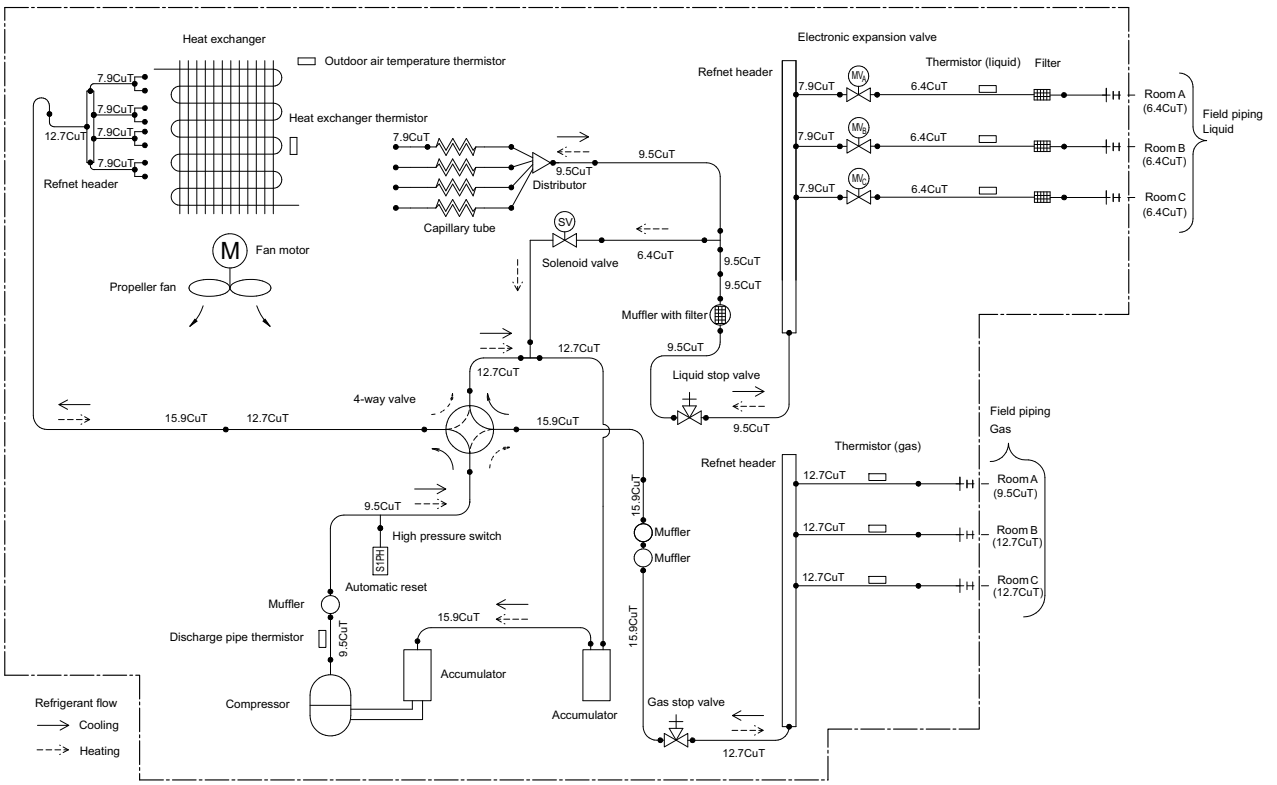
Piping diagram for 3MXM40+52N2V1B, 3AMXM52M3V1B

Outdoor Unit



Piping diagram for 3MXM68N2V1B

Outdoor Unit

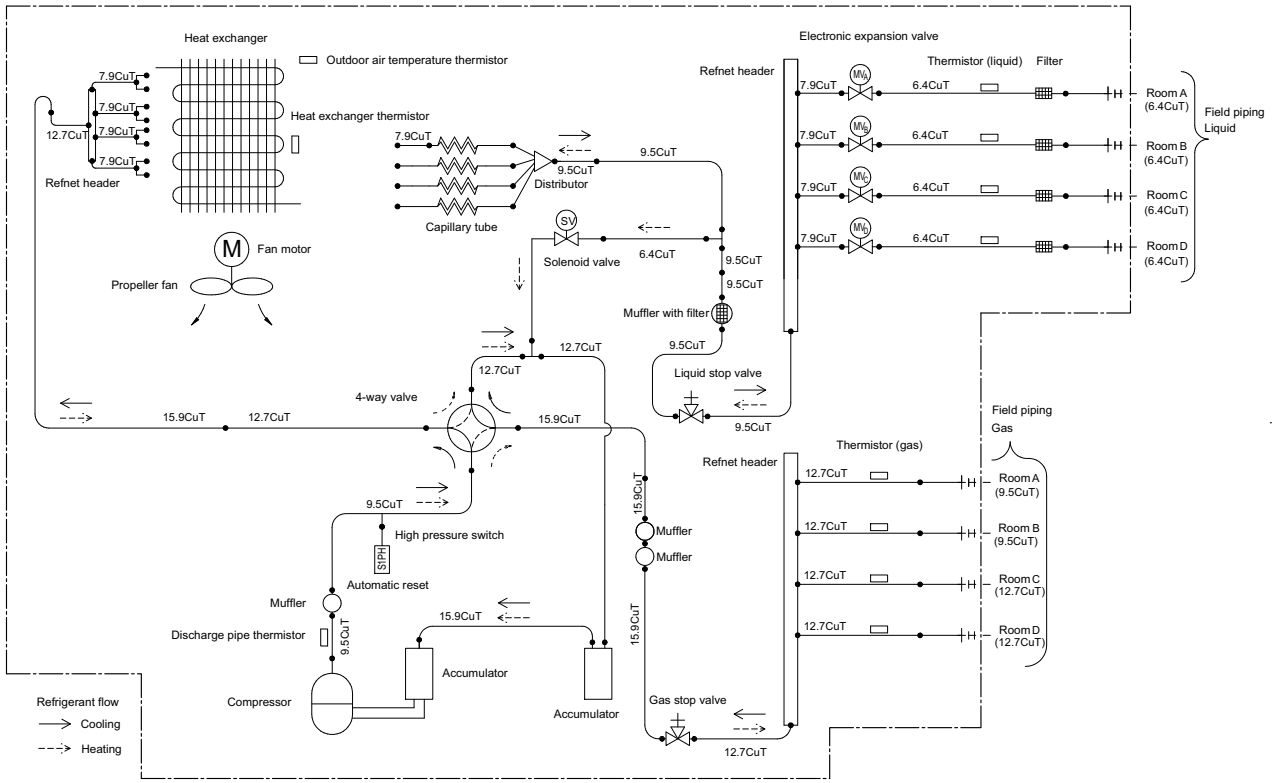


PED categories of equipment - High pressure switches : category IV; Compressor : category II; Accumulator: category: I; Other art 4§3 equipment.

Piping diagram

Piping diagram for 4MXM68N2V1B

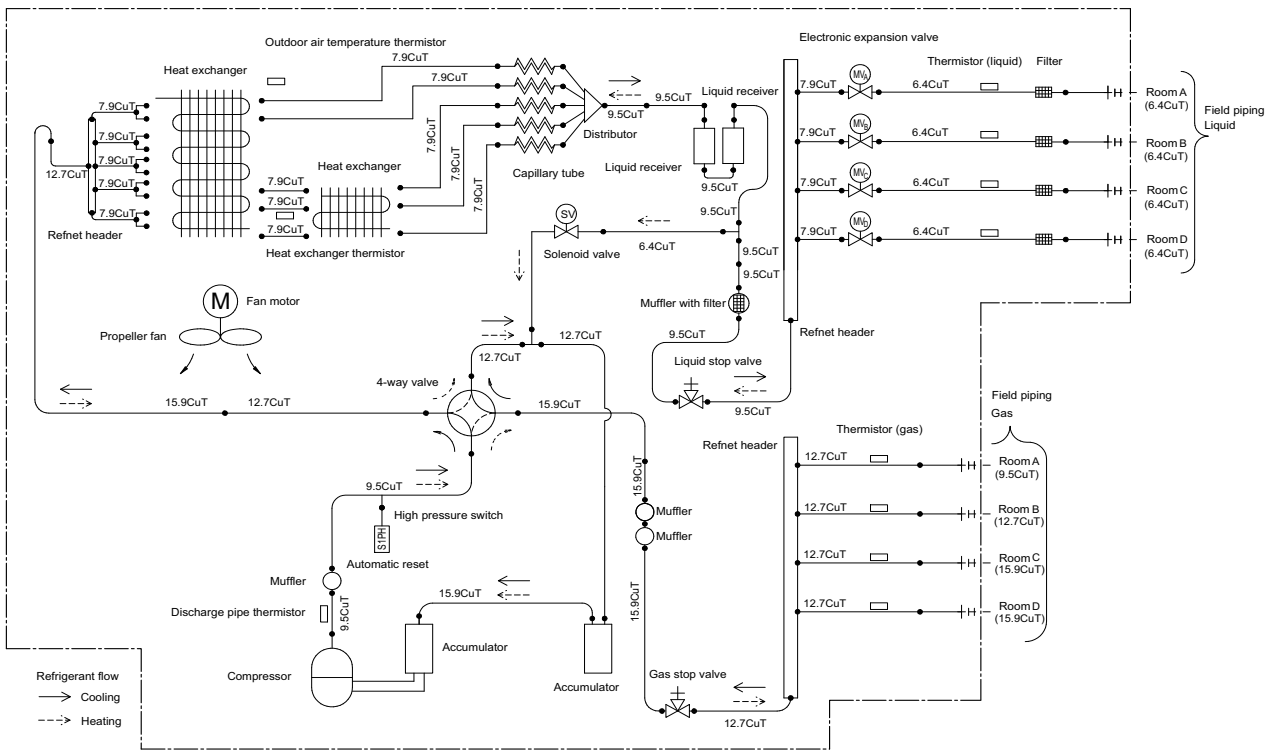
Outdoor Unit



PED categories of equipment - High pressure switches: category IV; Compressor : category II; Accumulator: category: I; Other art 4§3 equipment.

Piping diagram for 4MXM80N2V1B

Outdoor Unit

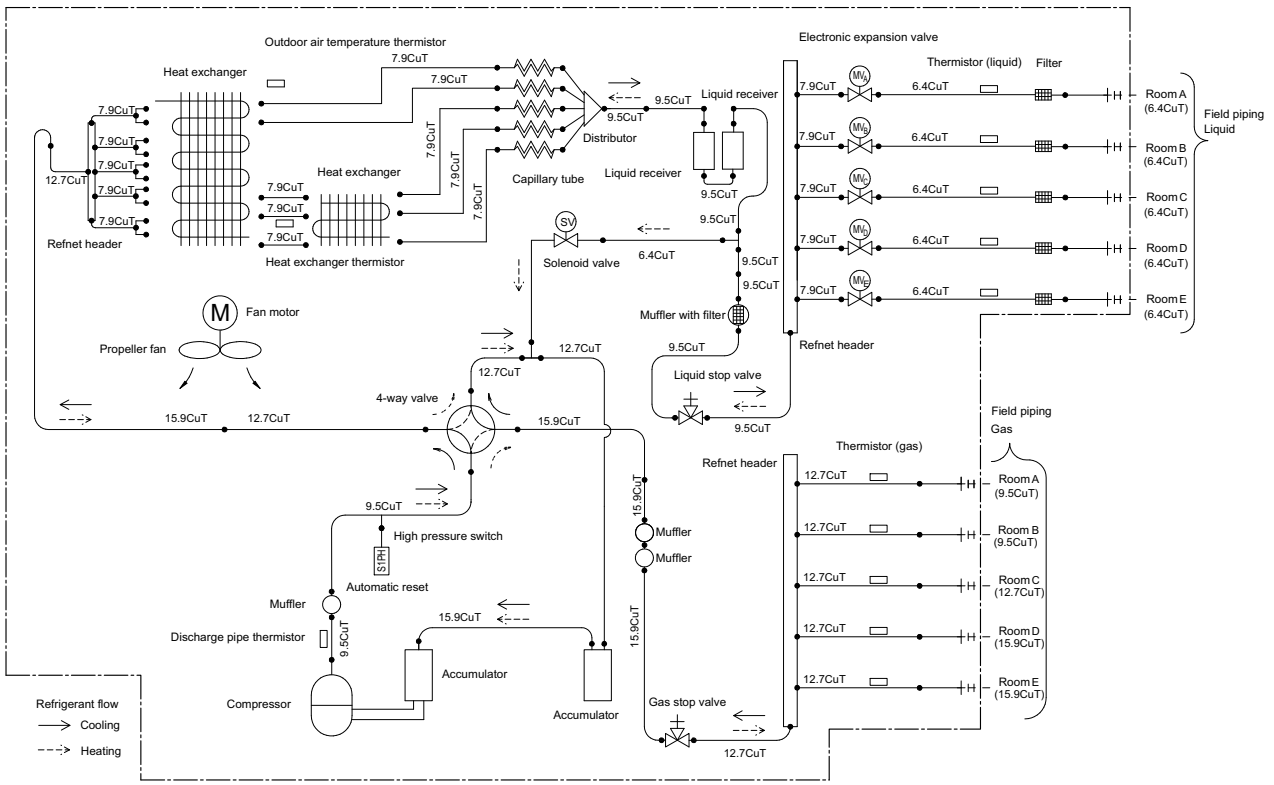


PED categories of equipment - High pressure switches : category IV; Compressor : category II; Accumulator: category: II; Other art 4§3 equipment.

Piping diagram

Piping diagram for 5MXM90N2V1B

Outdoor Unit



PED categories of equipment - High pressure switches : category IV; Compressor : category II; Accumulator: category: II; Other art 4§3 equipment.



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