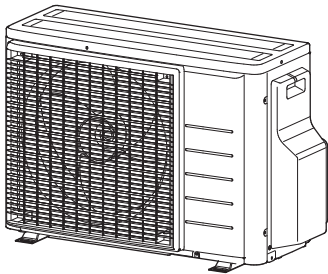


DAIKIN



INSTALLATION MANUAL

R32 Split Series



Models

2MXM40M4V1B

2MXM50M3V1B9

2AMXM40M4V1B

2AMXM50M4V1B

2AMXF40A2V1B

2AMXF50A2V1B

CE - DECLARATION-DE-CONFORMIDAD
CE - KONFORMITÄTSEKHLARUNG
CE - DICHLARAZIONE-DI-CONFORMITA
CE - ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ
CE - CONFORMITÄTSEKHLARUNG

Daikin Industries Czech Republic s.r.o.

01 a 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 Klimaanlage 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 I verklaar hierop op eigen exclusieve verantwoordelijkheid dat de airconditioning units waarop deze verklaring betrekking heeft:
05 e declara bajo su única responsabilidad que los modelos de aire acondicionado a los cuales hace referencia la declaración:
06 i δηλώνει με αποκλειστική της ευθύνη ότι η condizionalità του προϊόντος αφορούν αποκλειστικά την παρούσα δήλωση:
07 g δηλώνει με αποκλειστική της ευθύνης ότι η ποιότητα των κλιματιστικών συσκευών στο οποίο αναφέρεται η παρούσα δήλωση:
08 p declara sob sua exclusiva responsabilidade que os modelos de ar condicionado a que esta declaração se refere:

2MXM40M4V1B, 2AMXM40M4V1B,

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 gemäß folgenden Norm(en) oder einem anderen Normdokument oder -dokumenten entsprechtentsprechen, unter der Voraussetzung, daß sie gemäß unseren Anweisungen eingesetzt werden:

03 sont conformes à laux normes(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) documente(s) normativo(s), siempre que sean utilizados de acuerdo con nuestras instrucciones:
06 sono conformi all(i) seguente(i) standard(s) o altro(i) document(o) a carattere normativo, a patto che vengano usati in conformità alle nostre istruzioni:
07 είνα σύμφωνα με το(ι) ακόλουθ(ο) ή άλλα έγγραφα(ο) κανονισμών, υπό την προϋπόθεση ότι χρησιμοποιούνται σύμφωνα με τις οδηγίες μας:

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 τη βάση των διατάξεων των:
08 de acordo com o previsto em:
09 в соответствии с положениями:

01 Nole * as set out in <A> and judged positively by
02 Hinweis * wie in <A> aufgeführt und von positiv beurteilt
03 Remarque * tel que défini dans <A> et évalué positivement par
04 Bemerk * zoals vermeld in <A> en positief beoordeeld door
05 Nota * como se establece en <A> y es valorado positivamente por
06 Nota * delimito nel <A> e giudicato positivamente da
07 Injuzimov * ovaq klobqjvov mo to flonotomno <A>
08 Nota * tal como estabelecido em <A> e com o parecer positivo de de acordo com o Certificado <A>
09 Приемачие * как указано в <A> и с положительным решением согласно Сертификату <A>
10 Bemerk * como se establece en <A> y es valorado positivamente por i henhold til Certificat <A>

01 ** DICZ*** is authorised to compile the Technical Constitution File.
02 ** DICZ*** hat die Berechtigung die Technische Konstitutionsakte 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.

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

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

CE - IZJAVA-O-USKLADNOSTI
CE - MEGFELELŐSÉG-NYILATKOZAT
CE - DEKLARACIJA-ZGODNOSTI
CE - DECLARAȚIE-DE-CONFORMITATE

CE - IZJAVA O SKLADNOSTI
CE - VASTAVUSDEKLARACIJA
CE - DEKLARACIJA-3A-CЪOТBETCTBИE
CE - UYGUNLUK-BEYANI

09 i заверяю, исключительно под свою ответственность, что модели кондиционеров воздуха, к которым относится настоящая заявка:
10 a erklær under enærsvær, at klimaanlægsmodellerne, som denne deklaration vedrører:
11 s deklarerer i egenkap av huudansvarig, att luftkonditioneringensmodellerna som berörs av denna deklaration innehar att:
12 n erklærer et fuldstændigt ansvar for at de luftkonditioneringsmodeller som berøres af denne deklaration, indehaver at:
13 i ilmoittaa yksilöimään omalla vastuullaan, että lämmönvaihtojen mallitarkoitamat ilmastointilaitteiden mallit:
14 c profljšuje ve své přité odpovědnosti, že modely klimatizace, k nimž se tato prohlášení vztahuje:
15 v izjavljuje pod izključno vsootnostjo da su modeli klima uređaja na koje se ova izjava odnosi:
16 h teljes felelőssége tudatában kijelent, hogy a klímaberendezés modellek, melyekre ez nyilatkozat vonatkozik:

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 andeklarede retningsgivernde dokument(er), boudset at disse anvendes i henhold til vore instrukser:
11 respektive utstuning 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 usŧyr er i overensstemmelse med følgende standard(er) eller andre normgivende dokument(er), under forutsætning at disse bruges i henhold til våre instruksjoner:
13 estaavat seuraavien standardien ja muiden ohjeistettien dokumenttien vaatimuksia edellytäten, että niitä käytetään ohjeidemme mukaisesti:
14 za predpoku, že sou využívat v souladu s našimi pokyny, odpovídající následujícím normám nebo normativním dokumentům:
15 u skladu sa sledjećim standardom(na) ili drugim normativnim dokumentom(na), uz ujet da se oni koriste u skladu s našim uputama:

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

11 Information * enigt <A> og godkænt av enligt Certificat <A>
12 Merk * som det fremkommer i <A> og gjennom positiv bedømmelse av ifølge Sertifika <A>
13 Huom * polta on esitetty asakirjassa <A> ja jalka on hyväksynyt Sertifikaatin <A> mukaisesti.
14 Poznámka * jak bylo uvedeno v <A> a pozitivně zjiřeno v souladu s ověřením
15 Napomena * kako je izloženo u <A> pozitivno ocijenjeno od strane prema Certificatu <A>

13 ** DICZ*** on valtuutettu laatimaan Teknisen Asiakirjan.
14 ** Společnost DICZ*** má oprávnění ke kompilaci souporní technické konstrukce.
15 ** DICZ*** je ověřen za zřadu Datoleke o technické konstrukci.
16 ** A DICZ*** loqpsult a mlszak konstrukciós dokumentáció összeállítására.
17 ** DICZ*** ma upovazhanie do zbierania opracowywania dokumentacji konstrukcyjnej.
18 ** DICZ*** este autorizat sa compileze Desaturul tehnic de constructie.

17 m deklaruje na własną, wyłączną odpowiedzialność, że modele klimatyzatorów, których dotyczy niniejsza deklaracja:
18 r déclare pe propre responsabilité de appareil de air conditionnal la care se referă această declarație:
19 o z této odpovědností zjavja, že se modely klimatisk naprav, na katere se izjava nanaša:
20 x kimilap oma täieliku vastutuse, et klassidevõ deklaratsioonidele kuuluvad kliimaseadmete mudelid:
21 b декларира на свой отговорност, за които се онецат тазв декларация:
22 v tsiviska savo atsakomybe slebia, kad oro kondicionavimo prietaisų modeliai, kuriems yra taikoma ši deklaracija:
23 v ar plinu atbildību apliecinu, ka tālāk uzskaitāmo modeļu gaisa kondicionēlāj, uz kuriem attiecas šī deklarācija:
24 k vyhlásuje na vlastnú zodpovednosť, že tieto klimatizačné modely, na ktoré sa vzťahuje toto vyhlásenie:
25 w łamam kendi sorumluluğunda ölmak üzere bu bildiriimi ilgili ödmü klima modellerinin aşağıdaki gibi ödmünu beyan eder:

16 megfeleltet az alábbi szabvány(ok)nak vagy egyéb irányadó dokumentum(ok)nak, ha azokat előírás szerint használják:
17 spełnia wymogi następujących norm i innych dokumentów normalizacyjnych, pod warunkiem że używane są zgodnie z naszymi instrukcjami:
18 sunt în conformitate cu următorul (urmatorele) standard(e) sau alte documente(normative), cu condiția ca acestea să fie utilizate în conformitate cu instrucțiunile noastre:
19 on vastavus järgmistele standarditele või teiste normatiivsete dokumentidega, kui need kasutatakse vastavalt juhenditele:
20 cu înțelesul normativelor și altele documente normative, prin urmare, ce ce instrumente tehnice noastre instrumim:
21 соответстват на средните стандарти или други нормативни документи, при условие, че се използват съгласно нашите инструкции:
22 allikna žemiau nurodytus standartus ir (ėba) kitus norminius dokumentus su sąlyga, kad yra naudojami pagal mūsų nurodymus:
23 tad, je leidži atlikti šiuos standartus normavimui, atlikt sekiošiem standartien an citem normativilen dokumentiem:
24 su v žibde s nasledujučymi normu(ami) alebo jinými normatívnymi dokumentami, za predpokladu, že sa používajú v súlade s našimi návodmi:
25 üritin, talamistarmaza gree kulanilmaza kosulujale asgādaki standartar ve nom beilten beļeļetale uymludur:

10 Direktivei, med senere ændringer.
11 Direktiv, med foretagne ændringer.
12 Direktivei, med foretatte endringer.
13 Direktiveji, selaisina kulin ne ovat muuttuina.
14 v platnem zřiení.
15 Snijemice, kako je izmijenjeno.
16 ianyelje(ek) is modositaisk rendelezēset.
17 z pōžnejszymi poprawkami.
18 Direktivelor, cu amendamentele respective.
19 Direktivei, med senere ændringer.
20 Direktivā kos mūdāstusēga.
21 Direktiviek, c rēviskie kāmēnēja.
22 Direktivose su papilyimais.
23 Direktivās un to papildinājumos.
24 Smeņice, kato je izmēijeno.
25 Dējsitīmīs hālerijē Yotemeliker.

<A>	DAIKIN.TCF.032D6/05-2018
	DEKRA (NB0344)
<C>	2159619.0551-EMC

19 ** DICZ*** je pooblašeno za sestavo datoleke s tehnično mapo.
20 ** DICZ*** on voliatud loostama tehnilist dokumentatsiooni.
21 ** DICZ*** e opravizhapan za osramy Akta za tehniko-eko konstrukciyu.
22 ** DICZ*** ya galicia sudaryt ši techninės konstrukcijos failą.
23 ** DICZ*** f autorizēs sastādīt tehnisko dokumentāciju.
24 ** Spoločnosť DICZ*** je oprávnená vytvoriť súbor technickej konštrukcie.
25 ** DICZ*** Teknik Yapı Dosyasını derlemeye yetkilidir.

DAIKIN INDUSTRIES CZECH REPUBLIC s.r.o.

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



Yasuto Hiraoka
Managing Director

Plzeň, 2nd of July 2018

YH.

CE - DECLARATION-DE-CONFORMITE
CE - KONFORMITÄTSERKLÄRUNG
CE - DICHIARAZIONE-DI-CONFORMITA
CE - ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΟΣΗΣ
CE - CONFORMITEITSVERKLARING

Daikin Industries Czech Republic s.r.o.

01 a 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 Klimaanlage 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 I verklaar hierbij op eigen exclusieve verantwoordelijkheid dat de airconditioning units waarop deze verklaring betrekking heeft:
05 e declara bajo 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 g δηλώνει με αποκλειστική της ευθύνη ότι τα προϊόντα 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:

2AMXF40A2V1B,

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 gemäß folgenden Norm(en) oder einem anderen Normdokument oder -dokumenten entsprechtentsprechen, unter der Voraussetzung, daß sie gemäß unseren Anweisungen eingesetzt werden:
03 sont conformes à laux normes(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 all(i) seguente(i) standard(s) o altro(i) document(o) a carattere normativo, a patto che vengano usati in conformità alle nostre istruzioni:
07 эти устройства по то(и) (модель(и)) (применяю(т) ή άλλο(ν) έγγραφο(α) κανονισμών, υπό την προϋπόθεση ότι χρησιμοποιούνται σύμφωνα με τις οδηγίες, πας:
08 de acordo com o previsto em:
09 в соответствии с положениями:
10 under iagttagelse af bestemmelserne i:
11 enligt villkoren i:
12 gilt i henhold til bestemmelserne i:
13 noudatteen määräyksiä:
14 za dodženi istovnomi predpisu:
15 prema odredbama:
16 kovelé ai:
17 zgodnie z postanowieniami Dyrektyw:
18 in urma prevederilor:

01 Note * as set out in <A> and judged positively by according to the Certificate <C>
02 Hinweis * wie in <A> aufgeführt und von positiv beurteilt gemäß Zertifikat <C>
03 Remarque * tel que défini dans <A> et évalué positivement par conformément au Certificat <C>
04 Bemerk * zoals vermeld in <A> en positief beoordeeld door overeenkomstig Certificat <C>
05 Nota * como se establece en <A> y es valorado positivamente por de acuerdo con el Certificado <C>
06 Nota * delinatio nel <A> se giudicata positivamente da secondo il Certificato <C>
07 Изјављено * овука изјављују да то <A> кат хвалит Банк от то одговују по то <C> потврдоу <C>
08 Nota * tal como estabelecido em <A> e com o parecer positivo de de acordo com o Certificado <C>
09 Препорука * как изложено <A> и с сотвером в соответствии с подтверждающим решением согласно с документом <C>
10 Bemerk * som anført i <A> og positiv vurderet af i henhold til Certificat <C>

01 ** DiCz*** is authorised to compile the Technical Constuction 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.

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

CE - DECLARAÇÃO-DE-CONFORMIDADE
CE - ЗАРВІННІЕ-О-СООТВЕТСТВИИ
CE - OVERENSSTEMMELSESERKLÆRING
CE - FÖRSÄKRAN OM ÖVERENSSTÄMMELSE

CE - IZJAVA-O-USKLADNOSTI
CE - MEGFELELŐSÉG-NYILATKOZAT
CE - DEKLARACIJA-ZGODNOSTI
CE - DECLARAȚIE-DE-CONFORMITATE

09 i заверит, исключительно под свою ответственность, что модели кондиционеров воздуха, к которым относится настоящая заявка:
10 a erklærer under enæransvar, at klimaanlægsmødelierne, som denne deklaration vedrører:
11 s deklarerer i egenkap, at luftkonditioneringsmodellerna som berörs av denna deklaration inehåller att:
12 n erklærer et fuldstændigt ansvar for at de luftkonditioneringsmodeller som berøres af denne deklaration, indeholder at:
13 ilmoittaa yksilöimään omalla vastuullaan, että lämmönvaihtimien tarkoitamat ilmastointilaitteiden mallit:
14 a prohlásíje ve své přité odpovědnosti, že modely klimatizace, k nimž se tato prohlášení vztahuje:
15 v izjavljije pod isključivo vlačitno odgovornostjo da su modeli klima uređaja na koje se ova izjava odnosi:
16 h teljes felelőssége tudatában kijelenti, hogy a klímaberendezés modellek, melyekre ez nyilatkozat vonatkozik:

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 andekilde retningsgivende dokument(er), boudet at disse anvendes i henhold til vore instrukser:
11 respektive utstilling är i överensstämmelse med och följer följande standard(er) eller andra normgivande dokument, under förutsättning att användning sker i överensstämmelse med våra instruktioner:
12 respektive uslyer i overensstemmelse med følgende standard(er) eller andre normgivende dokument(er), under forudsætning at disse bruges i henhold til våre instruksjoner:
13 estaaval seuraavien standardien ja muiden ohjeistettien dokumenttien vaatimuksia edellytäten, että niitä käytetään ohjeidemme mukaisesti:
14 za predpoklad, že jsou využívány v souladu s našimi pokyny, odpovídají následujícím normám nebo normativním dokumentům:
15 u skladu sa sledjećim standardom(na) ili drugim normativnim dokumentom(na), uz ujet da se oni koriste u skladu s našim uputama:

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

11 Information * enligt <A> och godkänns av enligt Certifikat <C>
12 Merk * som det fremkommer i <A> og gennem positiv bedømmelse av ifølge Serifikat <C>
13 Huom * pitka on esitetty asiakirjassa <A> ja jalka on hyväksynyt Serifikatoin <C> mukaisesti.
14 Poznámka * jak bylo uvedeno v <A> a pozitivně zjištěno v souladu s ověřením <C>
15 Napomena * kako je izloženo u <A> pozitivno ocijenjeno od strane prema Certifikatu <C>

13 ** DiCz*** on valtuutettu laatimaan Teknisen Asiakirjan.
14 ** Společnost DiCz*** má oprávnění ke kompilaci souboru technické konstrukce.
15 ** DiCz*** je ověřen za zřadu Datoleke o technické konstrukci.
16 ** A DiCz*** loquutit e määsää konstruktsioonidokumentatsiooni koostamiseks.
17 ** DiCz*** ma upovazhenie do zberaniia opracovuvania dokumentatsii konstruktivnej.
18 ** DiCz*** este autorizat sa compileze Desaturul tehnic de constructie.

CE - IZJAVA O SKLADNOSTI
CE - VASTAVUSEDEKLARACIJA
CE - DEKLARACIJA-3A-COCTBETCTBME
CE - UYGUNLUK-BEYANI

CE - ATTIKITIES-DEKLARACIA
CE - ATBILSTĪBAS-DEKLARACIJA
CE - VYHLÁSENIE-ZHODY
CE - UYGUNLUK-BEYANI

17 m deklaruje na własną rękę odpowiedzialność, że modele klimatyzatorów, których dotyczy niniejsza deklaracja:
18 r déclare pe proprie răspundere că aparatele de aer condiționat la care se referă această declarație:
19 o z svojo odgovornostjo izjavlja, da so modeli klimatskih naprav, na katere se izjava nanaša:
20 x kimilap oma täieliku vastutuse, et klassidevõ deklaratsioonid alla kuuluvad klimaseadmete mudelid:
21 b deklaruje na svoj odgovor, da se klimatizacijske naprave, za koro se omenja v tej deklaraciji:
22 v isvika savo atsakomybę šeldba, kad oro kondicionavimo prietaisų modeliai, kuriems yra taikoma ši deklaracija:
23 v ar plinu atbildnu apliecinu, ka tālāk uzskaitito modeļu gaisa kondicionēlāj, uz kuriem attiecas šī deklarācija:
24 k vyhlásuje na vlastnú zodpovednosť, že tieto klimatizačné modely, na ktoré sa vzťahuje táto vyhlásenie:
25 w łamam kendi sorumluluğunda ölmak üzere bu bildirimli ilgili ödmu klima modellerinin aşağıdaki gibi ödmügu beyan eder:

16 megfeleltet az alábbi szabvány(ok)nak vagy egyéb irányadó dokumentum(ok)nak, ha azokat előírás szerint használják:
17 spełnia wymogi następujących norm i innych dokumentów normalizacyjnych, pod warunkiem że używane są zgodnie z naszymi instrukcjami:
18 sunt în conformitate cu următorii (urmărele) standard(e) sau alte documente normative, cu condiția ca acestea să fie utilizate în conformitate cu instrucțiunile noastre:
19 on vastavus järgmistele standarditele või teiste normatiivsete dokumentidega, kui need kasutatakse vastavalt juhenditele:
20 cti naslednjih standardi in drugih normativ, pod pogojem, da se uporabljajo v skladu z našimi navodili:
21 соотвествует на средние стандарты или другие нормативные документы, при условии, что се используют согласно нашим инструкциям:
22 allikla žemiau nurodytus standartus ir (ėba) kitus norminius dokumentus su sąlyga, kad yra naudojami pagal mūsų nurodymus:
23 tad, je leidi atbilstošā rādītāja norādījumam, abtāt sekojošiem standartiem un citiem normatīviem dokumentiem:
24 su v zlode s naslednjoujmi) normo(ami) alebo jinými) normatívnymi) dokumento(ami), za predpokladu, že sa používajú v súlade s našimi návodmi:
25 irocin, imailamarna gre kulinarinas kosulioje asgādāki standartai ve nom beiften begetele uymludur:

10 Direktive, med senere ændringer.
11 Direktiv, med foretagne ændringer.
12 Direktive, telles que modifiées.
13 Direktivej, zoals gearandeerd.
14 v plnění zření.
15 Snjemece, kako je izmjenjeno.
16 irányelv(ek) és módosítás(ak) rendelkezései.
17 z poźniejszych poprawkami.
18 Direktivelor, cu amendamentele respective.

21 Забелешка * карто е изложено с <A> и оценено поточнорно от согласно Сертификата <C>
22 Pasaba * kapa nustatyta <A> ir kaip legiamai nuspręsta pagal Serifikatą <C>
23 Pozmes * ka norādīts <A> un atbilstoš pozitīvajam vērtējumam saņemā ir Serifikatā <C>
24 Poznámka * ako bolo uvedené v <A> a pozitívne zistené v súlade s overením <C>
25 Not * <A> da beifidig gi ve <C> Serifikama göre tarafından ölmüi olarak değerdendirig gi.

19 ** DiCz*** je pooblašeno za sestavo datoleke s tehnično mapo.
20 ** DiCz*** on voliautud koostama tehnilist dokumentatsiooni.
21 ** DiCz*** e opravazhena za osravni Akra za tehničesko konstruktsiiu.
22 ** DiCz*** va galicia sudariti šj tehničes konstruktsioj failā.
23 ** DiCz*** f autorizēs sastādīt tehnišo dokumentāciju.
24 ** Spoločnosť DiCz*** je oprávnená vytvoriť súbor technickej konštrukcie.
25 ** DiCz*** Teknik Yapı Dosyasını derlemeye yetkilidir.



DAIKIN INDUSTRIES CZECH REPUBLIC s.r.o.

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

Yasuto Hiraoka
Managing Director
Plisen, 1st of February 2019

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.
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- 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

• 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.	
• 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 control box cover can be securely fastened. Improper positioning of the control box cover may result in electric shocks, fire or over heating terminals.	
• If the supply cord is damaged, it must be replaced by the manufacturer, a 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.	
• 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.	

Safety Precautions

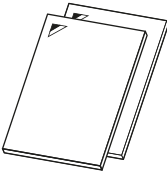
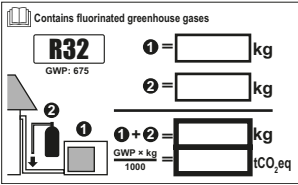
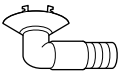
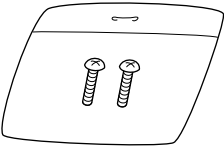
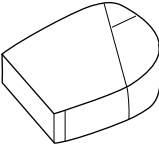
• The appliance must be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance or an operating electric heater).
• Do not pierce or burn.
• Be aware that refrigerants may not contain an odour.
• This appliance must be installed, operated and stored in a room larger than the minimum required floor area.
• Comply with national gas regulations.
• Make sure installation, servicing, maintenance and repair comply with instructions from Daikin and with applicable legislation (for example national gas regulation) and are executed only by authorised persons.

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  It is on the bottom of the packing case.	1	Ⓑ Refrigerant charge label  It is on the bottom of the packing case.	1
Ⓒ Drain plug  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
Ⓔ Screw bag (for fixing the wire retainer)  It is on the bottom of the packing case.	1	Ⓕ Reducer assembly (only 50 class)  It is on the bottom of the packing case.	1

Precautions for Selecting the Location

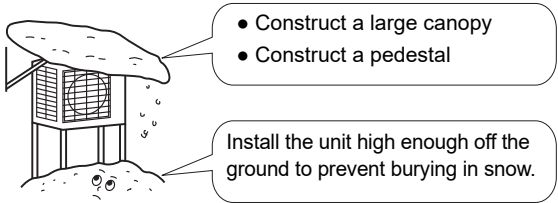
- 1) Choose a place solid enough to bear the weight and vibration of the unit, where the operation noise will not be amplified.
- 2) Choose a location where the hot air discharged from the unit or the operation noise will not cause a nuisance to the neighbours of the user.
- 3) Avoid places near a bedroom 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.

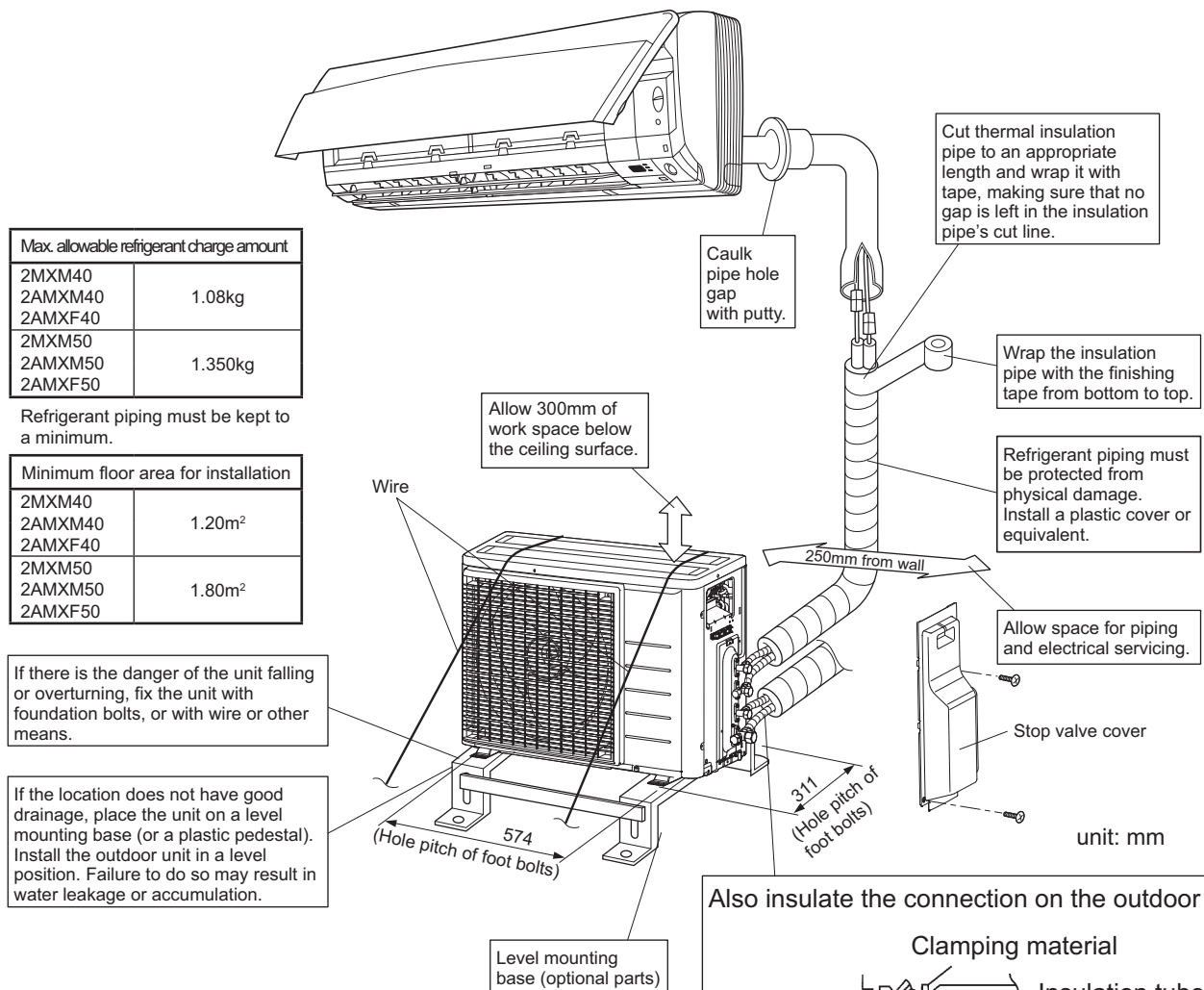


Indoor/Outdoor Unit Installation Drawings

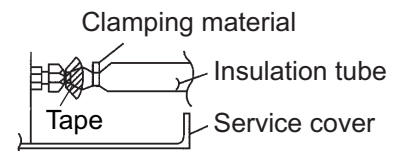
For installation of the indoor units, refer to the installation manual which was provided with the units.
(The diagram shows a wall-mounted indoor unit.)

⚠ 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 "Precautions for Laying Refrigerant Piping" on page 10 for details.
- It is impossible to connect the indoor unit for one room only. **Be sure to connect at least 2 rooms.**



Also insulate the connection on the outdoor unit.



Use tape or insulating material on all connections to prevent air from getting in between the copper piping and the insulation tube.
Be sure to do this if the outdoor unit is installed above.

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: $\left. \begin{array}{l} 2AMXM40M^* \\ 2MXM40M^* \\ 2AMXF40A^* \end{array} \right\} \text{Up to 6.0kW}$ $\left. \begin{array}{l} 2AMXM50M^* \\ 2MXM50M^* \\ 2AMXF50A^* \end{array} \right\} \text{Up to 8.5kW}$

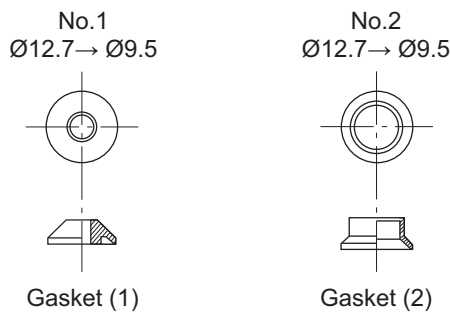
Port	2AMXM40M* 2MXM40M*	2AMXF40A*	2AMXM50M* 2MXM50M*	2AMXF50A*
A	15 , 20 , 25 , 35	25 , 35	15 , 20 , 25 , 35 , 42	25 , 35
B	15 , 20 , 25 , 35	25 , 35	(15), (20), (25), (35), 42 , 50	(25), (35)

○ : Use a reducer to connect pipes.

□ : Optional accessory

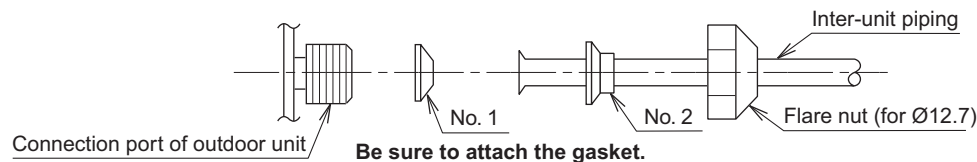
Refer to "How to Use Reducers" for information on reducer numbers and their shapes.

How to Use Reducers



Use the reducers supplied with the unit as described below.

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

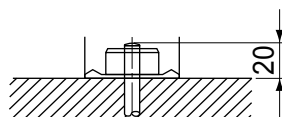


- When using the reducer packing shown above, be careful not to overtighten the nut, or the smaller pipe may be damaged. (about 2/3 - 1 the normal torque)
- Apply a coat of refrigeration oil to the threaded connection port of the outdoor unit where the flare nut comes in.
- Use an appropriate wrench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

Flare nut tightening torque	
Flare nut for Ø12.7	49.5–60.3N·m (505– 615kgf·cm)

Precautions on Installation

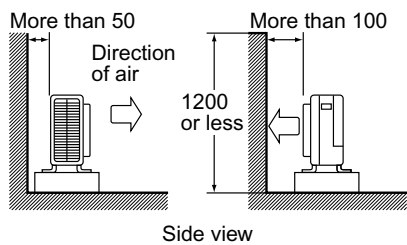
- Check the strength and level of the installation ground so that the unit will not cause any operating vibration or noise after installed.
- In accordance with the foundation drawing in fix the unit securely by means of the foundation bolts. (Prepare 4 sets of M8 or M10 foundation bolts, nuts and washers 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.



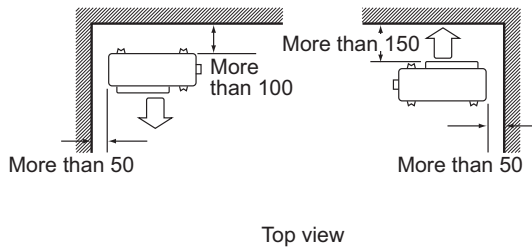
Outdoor Unit Installation Guideline

- 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.

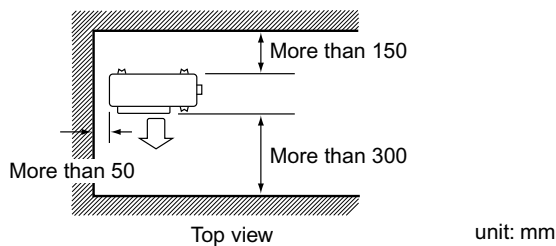
Wall facing one side



Walls facing two sides



Walls facing three sides

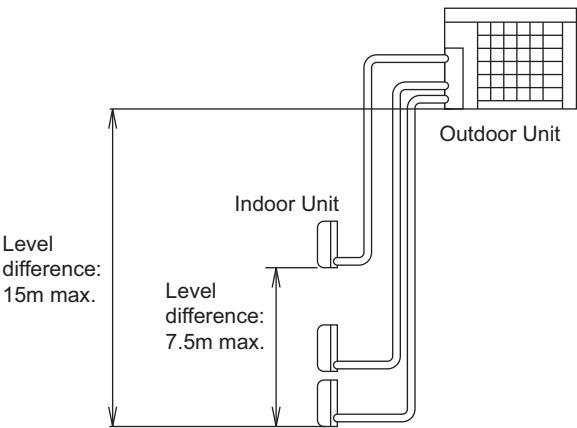


unit: mm

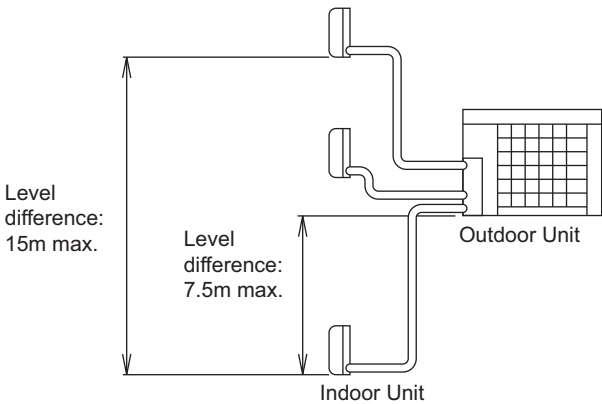
Selecting a Location for Installation of the Indoor Units

- 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.**)

Piping to each indoor unit	20m max.
Total length of piping between all units	30m 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.)

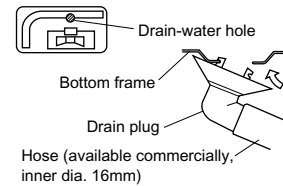
Refrigerant Piping Work

1. Installing outdoor unit

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

2. Drain work

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

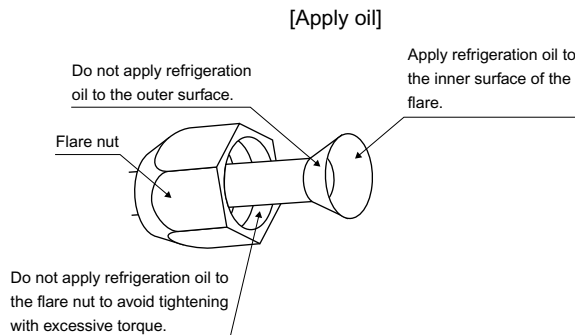


3. Refrigerant piping

⚠ 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.
- 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.



Flare nut tightening torque	
Flare nut for Ø6.4	14.2-17.2N · m (144-175kgf · cm)
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)

Valve cap tightening torque		
Gas side		Liquid side
3/8 inch	1/2 inch	1/4 inch
32.7-39.9N · m (333-407kgf · cm)	48.1-59.7N · m (490-610kgf · cm)	21.6-27.4N · m (220-280kgf · cm)
Service port cap tightening torque		
10.8-14.7N · m (110-150kgf · cm)		

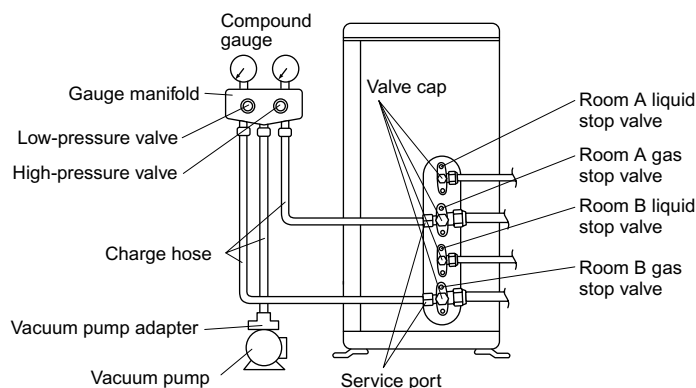
Refrigerant Piping Work

4. Purging air and checking gas leakage

⚠ WARNING

- Do not mix any substance other than the specified refrigerant (R32) into the refrigeration cycle.
- When refrigerant gas leaks 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.
- Be sure to check for gas leaks.
- 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.
 - Be sure to perform vacuum pumping for all the rooms at the same time.
 - Be sure to use the special tools for the R32 (gauge manifold, charge hose, vacuum pump, vacuum pump adapter, etc.).
 - Use a hexagonal wrench (4mm) to operate the stop valve rod.
 - All refrigerant pipe joints should be tightened with a torque wrench at the specified tightening torque.
- 1) Connect the charge hose protrusions (the side for pushing the pin) for low pressure and high pressure on the gauge manifold to the gas stop valve service port for rooms **A and B**.
 - 2) Fully open gauge manifold's low-pressure valve (Lo) and high-pressure valve (Hi).
 - 3) Apply vacuum pumping for 20 minutes or longer. Check that the compound pressure gauge reads -0.1MPa (-76cmHg).
 - 4) After checking the vacuum, close the low pressure and high pressure valves on the gauge manifold and stop the vacuum pump. (Leave as is for 4-5 minutes and make sure the coupling meter needle does not go 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) → 3) → 4).
 - 5) Remove the valve caps on the liquid and gas stop valves at the pipes for rooms A and B.
 - 6) Open the valve rods on the liquid stop valves for rooms A and B by turning them 90° counterclockwise using a hex wrench. Close them 5 seconds later and check for gas leaks.
After checking for gas leaks, check the areas around flares on the indoor unit, and the areas around flares and valve rods on the outdoor unit by applying soapy water.
Wipe down thoroughly after the check is complete.
 - 7) Remove the charge hose from the gas stop valve service ports at the pipes for rooms A and B and completely open the liquid and gas stop valves at the pipes for rooms A and B.
(Stop the valve rods as far as they go and do not attempt to turn them any further.)
 - 8) Use a torque wrench to tighten the valve caps and service port caps on the liquid and gas stop valves at the pipes for rooms A and B to the designated torque.



Refrigerant Piping Work

5. Charging refrigerant

1-1. Charging additional refrigerant

- If the total length of refrigerant piping exceeds 20m, add refrigerant. (The maximum total length of refrigerant piping for all rooms is 30m.)

A: Amount to add
B: Length of refrigerant piping minus 20. (Total for all rooms)

$$\boxed{\text{A}} \times 20 \times \boxed{\text{B}}$$

1-2. Completely recharging refrigerant

- The total amount that must be added is the amount listed on the machine nameplate and the amount of the additional refrigerant.

Important information regarding the refrigerant used

This product contains fluorinated greenhouse gases.

Do not vent gases into the atmosphere.

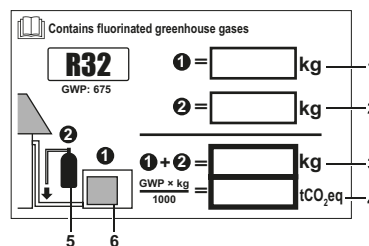
Refrigerant type: **R32**

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
- tCO₂e 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 CO₂ 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 CO₂ equivalent.

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

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

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.
- Do not overfill with refrigerant. This will break the compressor.

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 the compressor. - Do NOT use brazing torch. System contains refrigerant under pressure. - Do NOT run compressor under air vacuum condition. - Use only approved refrigerants and lubricants.
🔥	Burn hazard Do NOT touch with bare hands during or immediately after operation.

Refrigerant Piping Work

Precautions for Laying Refrigerant Piping

• 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.

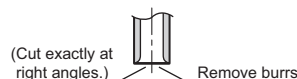
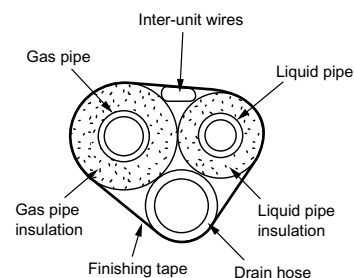
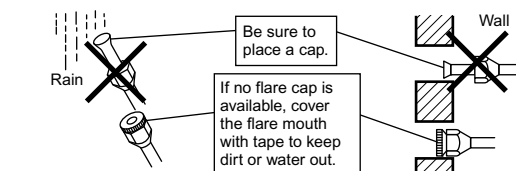
- 2) Be sure to insulate both the gas and liquid piping and to provide insulation dimensions as below.

Gas pipe		Liquid pipe	Gas pipe insulation	Liquid pipe insulation
O.D.9.5mm	O.D.12.7mm	O.D.6.4mm	I.D.12-15mm	I.D.8-10mm
Minimum bend radius			Thickness 13mm min.	Thickness 10mm min.
30mm or more	40mm or more	30mm or more		
Thickness 0.8mm (C1220T-O)				

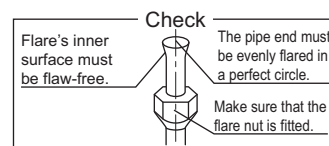
- 3) Use separate thermal insulation pipes for gas and liquid refrigerant pipes.
- 4) Piping and other pressure containing parts shall comply with the applicable legislation and shall be suitable for refrigerant. Use phosphoric acid deoxidised seamless copper for refrigerant.

• 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 or R410A	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



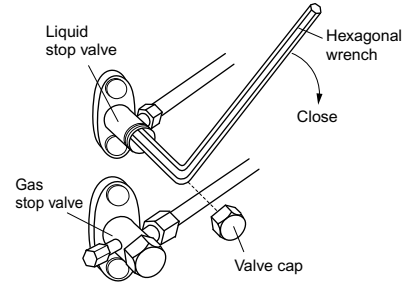
⚠ WARNING

- 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.
- Protect or enclose refrigerant tubing to avoid mechanical damage.

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 caps on the liquid and the gas stop valves at the pipes for rooms A and B.
- 2) Run the unit on forced cooling. (Refer to the instructions below.)
- 3) After 5 to 10 minutes, close the liquid stop valves at the pipes for rooms A and B using a hex wrench.
- 4) After 2 to 3 minutes, stop the forced cooling operation as quickly as possible after the gas stop valves at the pipes for rooms A and B have been shut off.
- 5) Turn the power breaker off.



⚠ CAUTION

Run the air conditioner to cool both rooms A and B when performing a pump down.

1. Forced cooling operation

1-1. Using the indoor unit start/stop button.

- 1) Press the start/stop button on the indoor unit in either room A or B for 5 seconds continuously. The units in both rooms will start.
- 2) Forced cooling operation will end after around 15 minutes and the unit will stop automatically. Press the start/stop button on the indoor unit to force the operation to stop.

1-2. Using the indoor unit's remote controller

Perform the test operation with the operation mode set to cooling. For the test operation procedure read the installation manual attached to the indoor unit and the manual of the remote controller.

- Forced cooling operation will stop automatically after around 30 minutes. To stop the operation, press the ON/OFF button.

⚠ CAUTION

If the outside temperature is -10°C or lower, the safety device might start, preventing operation. In this situation, warm the outside temperature thermistor on the outdoor unit to -10°C or warmer. Operation will start.

⚠ 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)

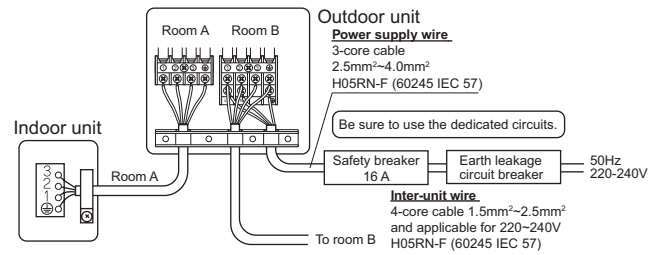
Wiring

⚠ WARNING

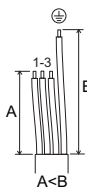
- Do not use tapped wires, stranded wires (**CAUTION 1**), extension cords, or starburst connections, as they may cause overheating, electrical shock, or fire.
- Do not use locally purchased electrical parts inside the product. (Do not branch the power for the drain pump, etc., from the terminal block.) 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.

- Do not turn on the safety breaker until all work is completed.

- Strip the insulation from the wire (20mm).
- Connect the inter-unit 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. The screws are packed with the terminal block.

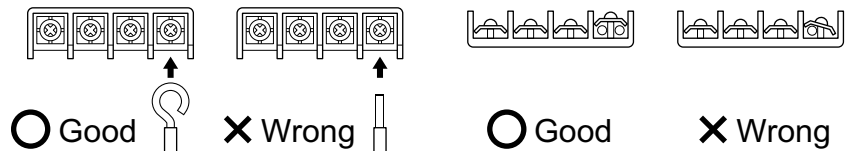


⚠ CAUTION

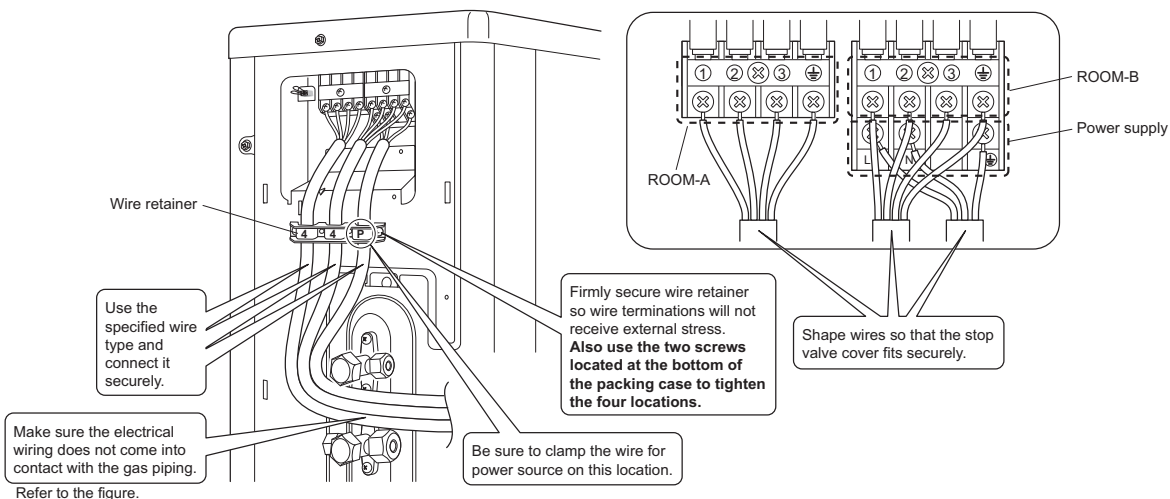


- When connecting the inter-unit wire to the terminal block using a single core wire, be sure to perform curling. Problems with the work may cause heat and fires.
- Make sure that the earth wire between the pull relief and terminal is longer than the other wires.

If the stranded wires must be used, make sure to use the round crimp-style terminal for connection to the power supply terminal block. Place the round crimp-style terminals on the wires up to the covered part and secure in place.

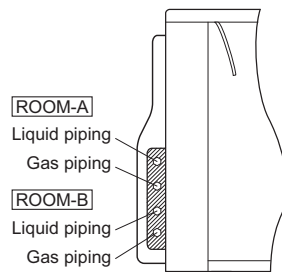


- Pull the wire and make sure that it does not disconnect. Then fix the wire in place with a wire retainer.



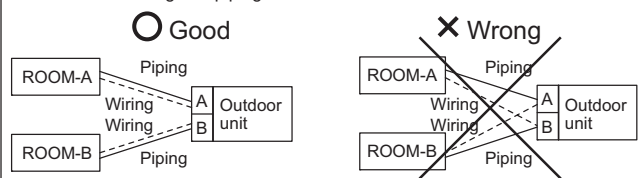
Make sure the connecting piping and wiring fit into .

(Incorrect handling will make it hard to attach the stop valve cover, causing deformation.)



Make absolutely sure all wiring is correct.

Make sure the wiring and piping from the indoor unit to the outdoor unit match.



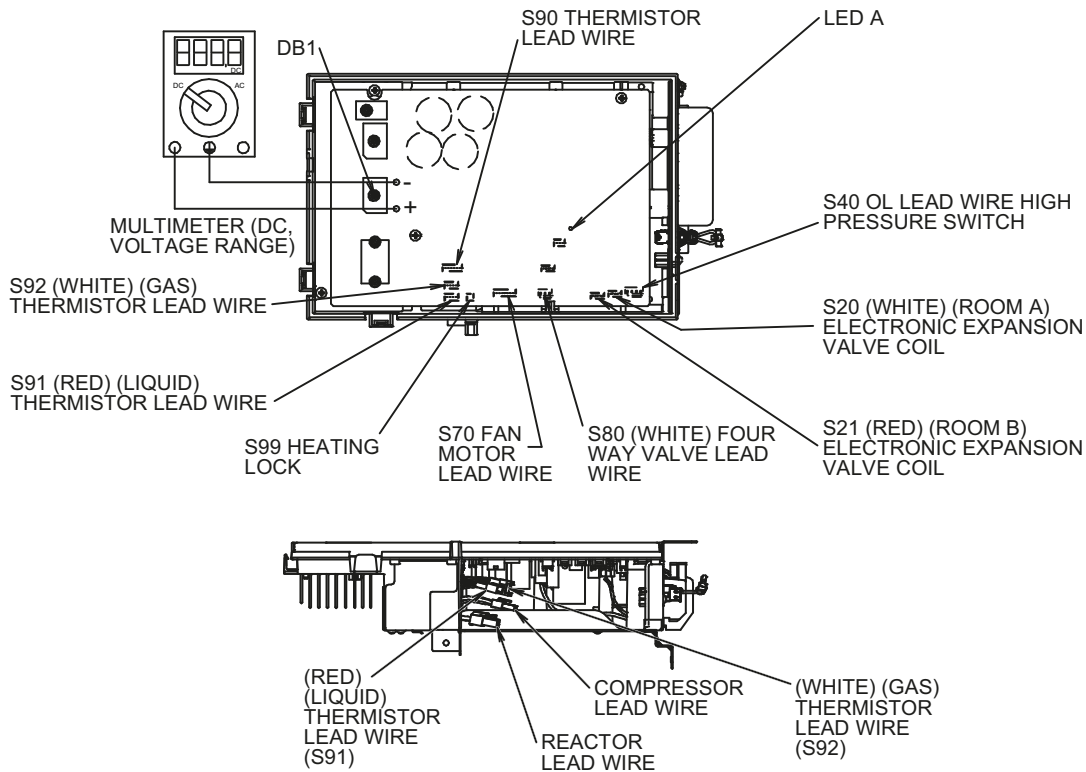
Wiring

1. Safe handling of high voltage part

- Turn the circuit breaker off and wait for 10 minutes before servicing.

1-1. To prevent electrical shock

- Use tester to check that the voltage between '+' and '-' is 50V or less. (Refer to figure below for the locations to check.)
- The surface of the test points (+, -) may be covered with coating.
- Be sure to make firm contact between tester probes and test points.

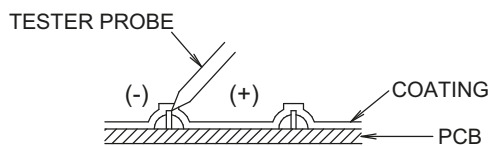


⚠ WARNING

All circuitry including thermistor is subject to power supply voltage.

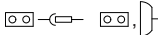
2. Reconnecting after check

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



Wiring

Wiring diagram

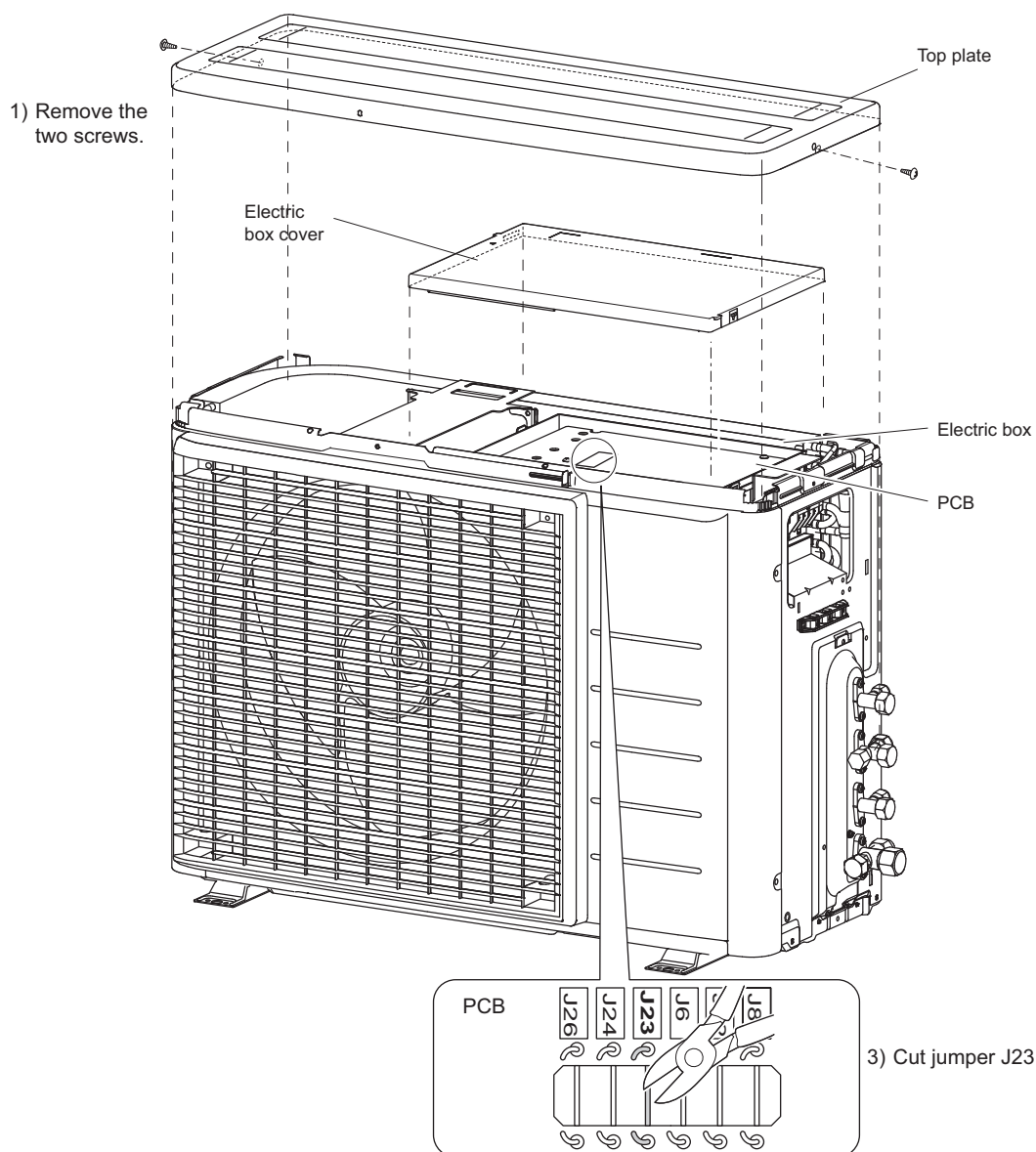
Unified Wiring Diagram Legend					
For applied parts and numbering, refer to the wiring diagram on the unit. Part numbering is by Arabic numbers in ascending order for each part and is represented in the overview below by symbol "***" in the part code.					
	:	CIRCUIT BREAKER		:	PROTECTIVE EARTH
	:	CONNECTION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

ECONO Mode Prohibition Setting

WARNING

Always shut off the power supply breaker before starting.

- This setting disables the input control signal from the remote controller.
- Use this setting when you wish to block reception of input controls (cooling/heating) from indoor unit remote controllers.
- Set as follows.
 - 1) Remove the two screws on the side and remove the top plate of the outdoor unit.
 - 2) Remove the electric box cover by sliding it, being careful not to bend the electric box hook.
 - 3) Cut the jumper (J23) of the PCB inside.
 - 4) Go back through step → 2) → 1). Make sure all components are well secured when doing this.



CAUTION

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

Night Quiet Mode Setting

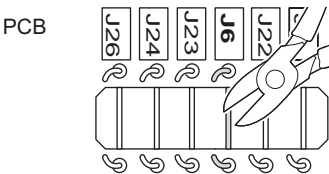
- If night quiet mode is to be used, initial settings must be made when the unit is installed.
Explain night quiet mode, as described below, to the customer, and confirm whether or not the customer wants to use night quiet mode.

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 neighbours.
However, if night quiet mode is running, capacity will be saved.

Setting procedure

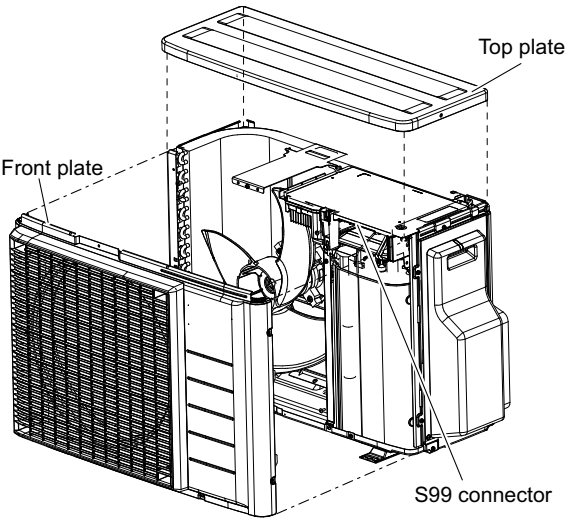
Cut the jumper J6. For more details see figure in Econo Mode setting.



HEAT Mode Lock <S99> (only heat pump models)

- 1) Remove the top plate (2 screws) and the front plate (8 screws).
- 2) Remove the S99 connector for setting of heat mode only.
Plug the connector for H/P mode.
Note that forced operation is also possible in HEAT mode.
- 3) Reinstall the front plate and the top plate to the original positions.

Mode	S99 Connector
H/P	Connect
Heating only	Disconnect



Standby Electricity Saving

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 units.

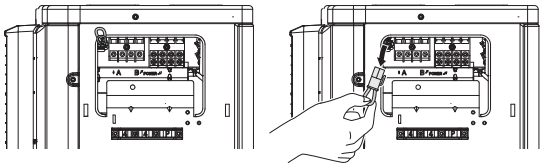
For FTXM, FTXP, FTXJ, FVXM, ATXF types.

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) Remove terminal cover
- 4) Disconnect the selective connector for standby electricity saving.
- 5) Turn on the main power supply.



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.

Trial Operation and Testing

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

1. 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) 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.
- 4) 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.

	Cooling	Heating
Temperature difference between inlet and outlet	Approx. 8°C	Approx. 15°C

(When running in one room)

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

2. Fault diagnosis by LED on outdoor unit PCB.

	Diagnosis	
	LED is flashing	Normal -> check the indoor unit
	LED is ON	Turn the power OFF and then ON again. If the LED display recurs, the outdoor unit PCB is faulty.
	LED is OFF	Power supply fault or turn the power OFF and then ON again. If the LED display recurs, the outdoor unit PCB is faulty.

3. 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?	No cooling, no heating	
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?	Danger in the event of a ground fault	
Are the electric wires connected correctly?	No cooling, no heating	
Is the wiring in accordance with the specifications?	Operation failure, burning	
Are the inlets/outlets of the indoor and outdoor units free of any obstructions?	No cooling, no heating	
Are the stop valves open?	No cooling, no heating	
Do the marks match (room A, room B) on the wiring and piping for each indoor unit?	No cooling, no heating	

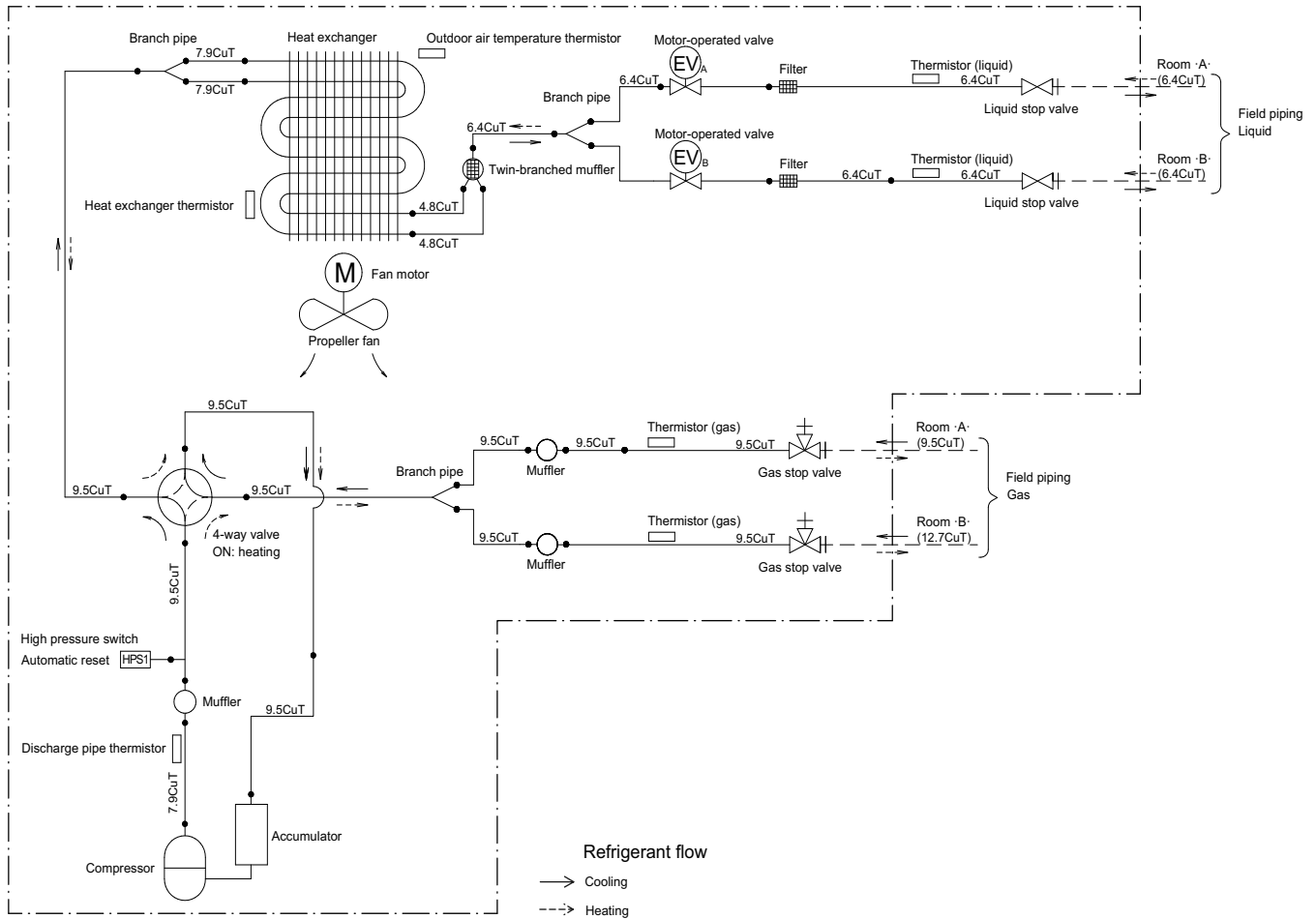
ATTENTION

- 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 2MXM50M3V1B9, 2AMXM50M4V1B, 2AMXF50A2V1B

Outdoor unit



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

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