

INSTALLATION MANUAL

SPLIT SYSTEM

Air Conditioners

MODELS

(Ceiling suspended Cassette type)

FUY71FJV1 FUYP71BV1 FUQ71BUV1B FUQ71BVV1B FUQ71BWV1B FUY100FJV1 FUYP100BV1 FUQ100BUV1B FUQ100BVV1B FUQ125BV1B FUQ125BWV1B

READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLATION.
KEEP THIS MANUAL IN A HANDY PLACE FOR FUTURE REFERENCE.

LESEN SIE DIESE ANWEISUNGEN VOR DER INSTALLATION SORGFÄLTIG DURCH. BEWAHREN SIE DIESE ANLEITUNG FÜR SPÄTERE BEZUGNAHME GRIFFBEREIT AUF.

LIRE SOIGNEUSEMENT CES INSTRUCTIONS AVANT L'INSTALLATION.
CONSERVER CE MANUEL A PORTEE DE MAIN POUR REFERENCE ULTERIEURE.

LEA CUIDADOSAMENTE ESTAS INSTRUCCIONES ANTES DE INSTALAR. GUARDE ESTE MANUAL EN UN LUGAR A MANO PARA LEER EN CASO DE TENER ALGUNA DUDA.

PRIMA DELL'INSTALLAZIONE LEGGERE ATTENTAMENTE QUESTE ISTRUZIONI. TENERE QUESTO MANUALE A PORTATA DI MANO PER RIFERIMENTI FUTURI.

ΔΙΑΒΑΣΤΕ ΠΡΟΣΕΚΤΙΚΑ ΑΥΤΈΣ ΤΙΣ ΟΔΗΓΙΕΣ ΠΡΙΝ ΑΠΌ ΤΗΝ ΕΓΚΑΤΑΣΤΑΣΗ EXETE AYTO ΤΟ ΕΓΧΕΙΡΙΔΙΟ ΕΥΚΑΙΡΌ ΓΙΑ ΝΑ ΤΟ ΣΥΜΒΟΥΛΕΥΕΣΤΕ ΣΤΟ ΜΕΛΛΟΝ.

LEES DEZE INSTRUCTIES ZORGVULDIG DOOR VOOR INSTALLATIE. BEWAAR DEZE HANDLEINDING WAAR U HEM KUNT TERUGVINDEN VOOR LATERE NASLAG.

LEIA COM ATENÇÃO ESTAS INSTRUÇÕES ANTES DE REALIZAR A INSTALAÇÃO. MANTENHA ESTE MANUAL AO SEU ALCANCE PARA FUTURAS CONSULTAS.

ПЕРЕД НАЧАЛОМ МОНТАЖА ВНИМАТЕЛЬНО ОЗНАКОМЬТЕСЬ С ДАННЫМИ ИНСТРУКЦИЯМИ. СОХРАНИТЕ ДАННОЕ РУКОВОДСТВО В МЕСТЕ, УДОБНОМ ДЛЯ ОБРАЩЕНИЯ В БУДУЩЕМ.

English

Deutsch

Français

Español

Italiano

Ελληνικά

Nederlands

Portugues

Русский

CE - DECLARATION OF CONFORMITY CE - KONFORMITÄTSERKLÄRUNG CE - DECLARATION DE CONFORMITE CE - CONFORMITEITSVERKLARING CE - DECLARACION DE CONFORMIDAD CE - DICHIARAZIONE DI CONFORMITA' CE - ΔΗΛΩΣΗΣΥΜΜΟΡΦΩΣΗΣ CE - DECLARAÇÃO DE CONFORMIDADE CE - OPFYLDELSESERKLÆRING CE - FÖRSÄKRAN OM ÖVERENSTÄMMELSE CE - ERKLÆRING OM SAMSVAR CE - ILMOITUS YHDENMUKAISUUDESTA

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declares under its sole responsibility that the air conditioning models to which this declaration relates: erklärt auf seine alleinige Verantwortung daß die Modelle der Klimageräte für die diese Erklärung bestimmt ist: déclare sous sa seule responsabilité que les appareils d'air conditionné visés par la présente déclaration:

verklaart hierbij op eigen exclusieve verantwoordelijkheid dat de airconditioning units waarop deze verklaring betrekking heeft: declara baja su única responsabilidad que los modelos de aire acondicionado a los cuales hace referencia la declaración: dichiara sotto sua responsabilità che i condizionatori modello a cui è riferita questa dichiarazione:

δηλώνει με αποκλειστική της ευθύνη όπ τα μοντέλα των κλιματιστικών συσκευών στα οποία αναφέρεται η παρούσα δήλωση: declara sob sua exclusiva responsabilidade que os modelos de ar condicionado a que esta declaração se refere: erklærer under eneansvar, at klimaanlægmodellerne, som denne deklaration vedrører:

deklarerar i egenskap av huvudansvarig, att luftkonditioneringsmodellerna som berörs av denna deklaration innebär att: erklærer et fullstendig ansvar for at de luftkondisjoneringsmodeller som berøres av denne deklarasjon innebærer at: ilmoittaa yksinomaan omalla vastuullaan, että tämän ilmoituksen tarkoittamat ilmastointilaitteiden mallit:

(I) FAY71FJV1, FAY100FJV1

FHYK35FJV1, FHYK45FJV1, FHYK60FJV1, FHYK71FJV1, FHK35FJV1, FHK45FJV1, FHK60FJV1 FHY35BJV1, FHY45BJV1, FHY60BJV1, FHY71BJV1, FHY100BJV1, FHY125BJV1, FH35BJV1, FH45BJV1, FH60BJV1 FUY71FJV1, FUY100FJV1, FUY125FJV1

(II) FAYP71BV1, FAYP100BV1

FHYKP35BV1, FHYKP45BV1, FHYKP60BV1, FHYKP71BV1, FHK35BZV1, FHK45BZV1, FHK60BZV1 FHYP35BV1, FHYP45BV1, FHYP60BV1, FHYP71BV1, FHYP100BV1, FHYP125BV1, FH35BZV1, FH45BZV1, FH60BZV1 FUYP71BV1, FUYP100BV1, FUYP125BV1

are in conformity with the following standard(s) or other normative document(s), provided that these are used in accordance with our instructions:

der/den folgenden Norm(en) oder einem anderen Normdokument oder -dokumenten entspricht/entsprechen, unter der Voraussetzung, daß sie gemäß unseren Anweisungen eingesetzt werden:
sont conformes à la/aux norme(s) ou autre(s) document(s) normatif(s), pour autant qu'ils soient utilisés conformément à nos instructions:

conform de volgende norm(en) of één of meer andere bindende documenten zijn, op voorwaarde dat ze worden gebruikt overeenkomstig onze instructies: 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: 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:

είναι σύμφωνα με το(α) ακόλουθο(α) πρότυπο(α) ή άλλο έγγραφο(α) κανονισμών, υπό την προϋπόθεοη ότι χρησιμοποιούνται σύμφωνα με τις οδηγίες μας: eatão 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: overholder følgende standard(er) eller andet/andre retningsgivende dokument(er), forudsat at disse anvendes i henhold til vore instrukser:

respektive utrustning är utförd i överensstämmelse med och följer följande standard(er) eller andra normgivande dokument, under förutsättning att användning sker iöverensstämmelse med vära instruktioner: respektive utstyr er i overensstemmelse med følgende standard(er) eller andre normgivende dokument(er), under forutssetning av at disse brukes i henhold til våre instrukser: vastaavat seuraavien standardien ja muiden ohjeellisten dokumenttien vaatimuksia edellyttäen, että niitä käytetään ohjeidemme mukaisesti:

EN60335-2-40,

following the provisions of:
gemäß den Vorschriften der:
conformément aux stipulations des:
overeenkomstig de bepalingen van:
siguiendo las disposiciones de:
secondo le prescrizioni per:
με τήρηση των διατάξεων των:
de acordo com o previsto em:
under iagttagelse af bestemmelserne i:
enligt villkoren i:

under iagttagelse af bestemmelser enligt villkoren i: gitt i henhold til bestemmelsene i: noudattaen määräyksiä: () Note as set out in the Low Voltage 73/23/EEC
Machinery Safety 89/392/EEC
Electromagnetic Compatibility 89/336/EEC*

Directives, as amended.
Direktiven, gemäß Änderung.
Directives, telles que modifiées.
Richtlijnen, zoals geamendeerd.
Directivas, según lo enmendado.
Direttive, come da modifica.
Οδηγιών, όπως έχουν τροποποιηθεί.
Directivas, conforme alteração em.
Direktiver, med senere ændringer.
Direktiv, med företagna ändringar.

temmelsene i:

Direktiiver, med foretatte endringer.
ksiä:

Direktiivejä, sellaisina kuin ne ovat muutettuina.
as set out in the Technical Construction File DAIKIN.TCF.004 and judged positively by KEMA according to the Certificate 59277-KRQ/ECM95-4233.

(I) *Note Hinweis Remarque

wie in der Technischen Konstruktionsakte DAIKIN.TCF.004 aufgeführt und von KEMÁ positiv ausgezeichnet gemäß Zertifikat 59277-KRQ/ECM95-4233. tel que stipulé dans le Fichier de Construction Technique DAIKIN.TCF.004 et jugé positivement par KEMA conformément au Certificat 59277-KRQ/ECM95-4233. zoals vermeld in het Technisch Constructiedossier DAIKIN.TCF.004 en in orde bevonden door KEMA overeenkomstig Certificaat 59277-KRQ/ECM95-4233. tal como se expone en el Archivo de Construcción Técnica DAIKIN.TCF.004 y juzgado positivamente por KEMA según el Certificado 59277-KRQ/ECM95-4233. delineato nel File Tecnico di Costruzione DAIKIN.TCF.004 e giudicato positivamente da KEMA secondo il Certificato 59277-KRQ/ECM95-4233.

Bemerk Nota Nota Σημείωση

Nota

όπως προσδιορίζεται στο Αρχείο Τεχνικής Κατασκευής DAIKIN.TCF.004 και κρίνεται θετικά από το KEMA σύμφωνα με το Πιστοποιητικό 59277-KRQ/ECM95-4233. tal como estabelecido no Ficheiro Técnico de Construção DAIKIN.TCF.004 e com o parecer positivo de KEMA de acordo com o Certificado 59277-KRQ/ECM95-4233. som anført i den Tekniske Konstruktionsfil DAIKIN.TCF.004 og positivt vurderet af KEMA i henhold til Certifikat 59277-KRQ/ECM95-4233.

Bemærk Information Merk

utrustningen är utförd i enlighet med den Tekniska Konstruktionsfilen **DAIKIN.TCF.004** som positivt intygas av **KEMA** vilket också framgår av **Certifikat 59277-KRQ/ECM95-4233**. som det fremkommer i den Tekniske Konstruksjonsfilen **DAIKIN.TCF.004** og gjennom positiv bedømmelse av **KEMA** ifølge **Sertifikat 59277-KRQ/ECM95-4233**. jotka on esitetty Teknisessä Asiakirjassa **DAIKIN.TCF.004** ja jotka **KEMA** on hyväksynyt **Sertifikaatin 59277-KRQ/ECM95-4233**.

Merk Huom *Note Hinweis

 (Π)

as set out in the Technical Construction File DAIKIN.TCF.016 and judged positively by KEMA according to the Certificate 81728-KRQ/ECM98-4341. wie in der Technischen Konstruktionsakte DAIKIN.TCF.016 aufgeführt und von KEMA positiv ausgezeichnet gemäß Zertifikat 81728-KRQ/ECM98-4341. tel que stipulé dans le Fichier de Construction Technique DAIKIN.TCF.016 et jugé positivement par KEMA conformément au Certificat 81728-KRQ/ECM98-4341.

Remarque Bemerk Nota Nota

zoals vermeld in het Technisch Constructiedossier DAIKIN.TCF.016 en in orde bevonden door KEMA overeenkomstig Certificaat 81728-KRQ/ECM98-4341. tal como se expone en el Archivo de Construcción Técnica DAIKIN.TCF.016 y juzgado positivamente por KEMA según el Certificado 81728-KRQ/ECM98-4341. delineato nel File Tecnico di Costruzione DAIKIN.TCF.016 e giudicato positivamente da KEMA secondo il Certificato 81728-KRQ/ECM98-4341.

Σημείωση Nota Bemærk όπως προσδιορίζεται στο Αρχείο Τεχνικής Κατασκευής DAIKIN.TCF.016 και κρίνεται θετικά από το KEMA σύμφωνα με το Πιστοποιητικό 81728-KRQ/ECM98-4341. tal como estabelecido no Ficheiro Técnico de Construção DAIKIN.TCF.016 e com o parecer positivo de KEMA de acordo com o Certificado 81728-KRQ/ECM98-4341. som anført i den Tekniske Konstruktionsfil DAIKIN.TCF.016 og positivt vurderet af KEMA i henhold til Certifikat 81728-KRQ/ECM98-4341.

Information
Merk
Huom

Information

Inform



You laki Hirata
Manager Quality Control Department

Sakai, 1st of December 2000

DAIKIN INDUSTRIES, LTD.

Umeda Center Bldg., 4-12, Nakazaki-Nishi 2-chome, Kita-ku, Osaka, 530-8323 Japan

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

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

CE - DECLARAÇÃO-DE-CONFORMIDADE CE - 3ARBJIEHИE-O-COOTBETCTBИИ CE - OPFYLDELSESERKLÆRING CE - FÖRSÄKRAN-OM-ÖVERENSTÄMMELSE

CE - ERKLÆRING OM-SAMSVAR CE - ILMOITUŞ-YHDENMUKAISUUDESTA CE - PROHLÁŠENI-O-SHODĚ

CE - IZJAVA O SKLADNOSTI CE - VASTAVUSDEKLARATSIOON CE - ДЕКЛАРАЦИЯ-3A-CЪOTBETCTBИE

CE - ATITIKTIES-DEKLARACIJA CE - ATBILSTĪBAS-DEKLARĀCIJA CE - VYHLÁSENIE-ZHODY CE - UVUMLULUK-BILDĪRĪSI

DAIKIN INDUSTRIES, LTD

01 (a) declares under its sole responsibility that the air conditioning models to which this declaration relates:

02 🔘 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 déclar ation:

04 (NL) verklaart hierbij op eigen exclusieve verantwoordelijkheid dat de airconditioning units waarop deze verklaring betrekking heeft:

06 () dichiara sotto sua responsabilità che i condizionatori modello a cui è riferita questa dichiarazione:

08 (P) declara sob sua exclusiva responsabilidade que os modelos de ar condicionado a que esta declaração se refere:

09 (1918) заявляет, исключительно под свою ответственность, что модели кондиционеров воздуха, к которым относится настоящее заявление:

10 (b) erklærer under eneansvar, at klimaanlægmodellerne, som denne deklaration vedrører:

12 (N) erklærer et fullstendig ansvar for at de luftkondisjoneringsmodeller som berøres av denne deklarasjon innebærer at:

16 ⊕) teljes feletőssége tudatában kijelenti, hogy a klimaberendezés modellek, melyekre e nyilatkozat vonatkozik: 17 ⊕) dektarúje na wtasną i wytączną odpowiedzialność, że modele klimatyzatorów, których dotyczy niniejsza dektaracja:

18 (RO) declară pe proprie răspundere că aparatele de aer condiționat la care se referă această declarație:

13 @w innoittaa yksinomaan omalla vastuullaan, että lämän ilmoituksen tarkoittanat ilmastointilaitieiden mallit. 14 @p prohlašuje ve své píné odpovědnosti, že modely klimatizace, k nimž se toto prohlášení vzlahuje: 15 (HR) izjavljuje pod isključivo vlastitom odgovornošću da su modeli klima uređaja na koje se ova izjava odnosi: 07 📾 δηλώνει με αποκλειστική της ευθύνη ότι τα μοντέλα των κλιματιστικών συσκευών στα οποία αναφέρεται η παρούσα δήλωση; 05 (E) declara baja su única responsabilidad que los modelos de aire acondicionado a los cuales hace referencia la declaración:

11 (S) deklarerar i egenskap av huvudansvarig, att luftkonditioneringsmodellerna som berörs av denna deklaration innebär att:

CE - IZJAVA-O-UŞKLAĐENOSTI CE - MEGFELELÖSÉGI-NYILATKOZAT CE - DEKLARACJA-ZGODNOŠCI CE - DECLARAŢIE-DE-CONFORMITATE

19 (s. z vso odgovornostjo izjavlja, da so modeli klimatskih naprav, na katere se izjava nanaša:

20 (sr) kinnitab oma täielikul vastutusel, et käesoleva deklaratsiooni alla kuuluvad kliimaseadmete mudelid:

21 (в в) декларира на своя отговорност, че моделите климатична инсталация, за които се отнася тази декларация 22 (II) visiška savo atsakomybe skelbia, kad oro kondicionavimo prietaisų modeliai, kuriems yra taikoma ši deklaracija:

23 🕑 ar pilnu atbildību apliecina, ka tālāk uzskaitīto modeļu gaisa kondicionētāji, uz kuriem attiecas šī deklarācija:

25 (TB) tamamen kendi sorumluluğunda olmak üzere bu bildirinin ilgili olduğu klima modellerinin aşağıdaki gibi olduğunu beyan eder: 24 (SK) vyhlasuje na vlastnú zodpovednosť, že tieto klimatizačné modely, na ktoré sa vzťahuje toto vyhlásenie:

> (II) FHYP35BV1, FHYP45BV1, FHYP60BV1, FHYP71BV1, FHYP100BV1, FHYP125BV1, FH35BZV1, FH45BZV1, FH60BZV1 (III) FHQ35BUV1B, FHQ50BUV1B, FHQ60BUV1B, FHQ71BUV1B, FHQ100BUV1B, FHQ125BUV1B

FHY35BJV1, FHY45BJV1, FHY60BJV1, FHY71BJV1, FHY100BJV1, FHY125BJV1, FH35BJV1, FH45BJV1, FH60BJV1

FUQ71BUV1B, FUQ100BUV1B, FUQ125BUV1B, FUQ71BVV1B, FUQ100BVV1B, FUQ125BVV1B FHQ35BVV1B, FHQ50BVV1B, FHQ60BVV1B, FHQ71BVV1B, FHQ100BVV1B, FHQ125BVV1B FAQ71BUV1B, FAQ100BUV1B, FAQ71BVV1B, FAQ100BVV1B

FVQ71BV1B, FVQ100BV1B, FVQ125BV1B

of are in conformity with the following standard(s) or other normative document(s), provided that these are used in accordance with our 02 deriden folgenden Norm(en) oder einem anderen Normdokument oder -dokumenten entspricht/entsprechen, unter der Voraussetzung,

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: daß sie gemäß unseren Anweisungen eingesetzt werden:

04 conform de volgende norm(en) of één of meer andere bindende documenten zijn, op voorwaarde dat ze worden gebruikt overeenkomstig

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

07 είναι σύμφωνα με το(α) ακόλουθο(α) πρότυπο(α) ή άλλο έγγραφο(α) κανονισμών, υπό την προϋπόθεση ότι χρησιμοποιούνται

EN60335-2-40,

αήπφωνα με τις οδηγίες μας:

18 în urma prevederilor: 03 conformément aux stipulations des: 04 overeenkomstig de bepalingen van: 07 με τήρηση των διατάξεων των: 05 siguiendo las disposiciones de: 08 de acordo com o previsto em: 02 gemäß den Vorschriften der: 06 secondo le prescrizioni per: 01 following the provisions of:

22 laikantis nuostatų, pateikiamų: 23 ievērojot prasības, kas noteiktas: 21 следвайки клаузите на: 19 ob upoštevanju določb: 20 vastavalt nõuetele: 10 under iagttagelse af bestemmelserne i: 12 gitt i henhold til bestemmelsene i: 11 enligt villkoren i:

25 bunun koşullarına uygun olarak: 24 održiavajúc ustanovenia:

06 * delineato nel <A> e giudicato positivamente da secondo il Certificato <C>.

positivo de de acordo com o Certificado <C> tal como estabelecido em <A> e com o parecer * 8

tel que défini dans <A> et évalué positivement par

 conformément au Certificat <C>

wie in der <A> aufgeführt und von positiv beurteilt gemäß Zertifikat <C>.

04 * zoals vermeld in <A> en positief beoordeeld door overeenkomstig Certificaat <C>.

Свидетельству <С>.

10 * som anført i <A> og positivt vurderet af i henhold til Certifikat <C> .

05 * como se establece en <A> y es valorado positivamente por de acuerdo con el Certificado <C>.

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 10 overholder følgende standard(er) eller andet/andre retningsgivende dokument(er), forudsat at disse anvendes i henhold til vore инструкциям:

instrukser:

11 respektive utrustning är utförd i överensstämmelse med och följer följande standard(er) eller andra nomgivande 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 forutssetning av at disse brukes i henhold til våre instrukser:

13 vastaavat seuraavien standardien ja muiden ohjeellisten dokumenttien vaatimuksia edellyttäen, että niitä käytetään ohjeidemme 14 za předpokladu, že jsou využívány v souladu s našími pokyny, odpovídají následujícím normám nebo normativním dokumentům: mukaisesti

15 u skladu sa slijedećim standardom(ima) ili drugim normativnim dokumentom(ima), uz uvjet da se oni koriste u skladu s našim uputama:

17 spełniają wymogi następujących norm i innych dokumentów normalizacyjnych, pod warunkiem że używane są zgodnie z naszymi 18 sunt în conformitate cu următorul (următoarele) standard(e) sau alt(e) document(e) normativ(e), cu condiția ca acestea să fie utilizate în 16 megfelelnek az alábbi szabvány(ok)nak vagy egyéb irányadó dokumentum(ok)nak, ha azokat előírás szerint használják: instrukcjam

21 съответстват на следните стандарти или други нормативни документи, при условие, че се използват съгласно нашите 19 skladni z naslednjimi standardi in drugimi normativi, pod pogojem, da se uporabljajo v skladu z našimi navodili: 20 on vastavuses jargmis(1)e standardi(la)ga või teiste normatiivsele dokumentidega, kui neid kasutatakse vastavalt mele juhenditele: conformitate cu instrucțiunile noastre инструкции:

24 sú v zhode s nasledovnou(ými) normou(ami) alebo iným(í) normatívnym(í) dokumentom(ami), za predpokladu, že sa používajú v súlade 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:

25 ürünün, talimatlarımıza göre kullanılması koşuluyla aşağıdaki standartlar ve norm belirten belgelerle uyumludur: s našim návodom:

17 zgodnie z postanowieniami Dyrektyw: 14 za dodržení ustanovení předpisu: 13 noudattaen määräyksiä: 15 prema odredbama: 16 követi a(z):

01 * as set out in <A> and judged positively by according to the Certificate <C>.

από το <Β> σύμφωνα με το Πιστοποιητικό <C> όπως καθορίζεται στο <Α> και κρίνεται θετικά <u>,</u>

положительным решением согласно как указано в <А> и в соответствии с

15 * kako je izloženo u <A> i pozitivno odjenjeno od

strane prema Certifikatu <C>.

18 * aşa cum este stabilit în <A> şi apreciat pozitiv de în conformitate cu Certificatul <C>. skladu s certifikatom <C>. i Świadectwem <C> .

19 * kot je določeno v <A> in odobreno s strani v

14 * jak bylo uvedeno v <A> a pozitivně zjištěno v 13 * jotka on esitetty asiakirjassa <A> ja jotka on

souladu s osvědčením <C>.

hyvāksynyt Sertifikaatin <C> mukaisesti.

20 * nagu on näidatud dokumendis <A> ja heaks kiidetud järgi vastavalt sertifikaadile <C> .

|DAIKIN.TCF.016D1/ |DAIKIN.TCF.021E5/ KEMA Quality B.V. 2024351-QUA/ EMC02-4565 Ê 11-2007 KEMA Quality B.V. 81728-KRQ/ ECM98-4341 Ê 07-2007 <A> DAIKIN.TCF.004J1/ 07-2007 KEMA Quality B.V. 59277-KRQ/ ECM95-4233 ပ္ kaip nustatyta <A> ir kaip teigiamai nuspręsta kā norādīts <A> un atbilstoši pozitīvajam 21 * както е изложено в <А> и оценено

положително от съгласно

16 * a(z) <A> alapján, a(z) igazolta a megfelelést a(z) <C> tanúsítvány szerint.

Сертификата <С>.

<u>*</u>2

17 * zgodnię z dokumentacją <A>, pozytywną opinią

12 * som det fremkommer i <A> og gjennom positiv bedømmelse av ifølge Sertifikat <C>.

11 * enligt <A> och godkänts av enligt Certifikatet <C>.

25 Değiştirilmiş halleriyle Yönetmelikler.

16 irányelv(ek) és módosításaik rendelkezéseit. 17 z późniejszymi poprawkami.
18 Directivelor, cu amendamentele respective

07 Οδηγιών, όπως έχουν τροποποιηθεί

05 Directivas, según lo enmendado. 04 Richtlijnen, zoals geamendeerd. 03 Directives, telles que modifiées. 02 Direktiven, gemäß Änderung.

Electromagnetic Compatibility 2004/108/EC

Low Voltage 2006/95/EC Machinery Safety 98/37/EC

01 Directives, as amended.

06 Direttive, come da modifica.

08 Directivas, conforme alteração em. 09 Директив со всеми поправками.

15 Smjernice, kako je izmijenjeno.

14 v platném znění.

21 Директиви, с техните изменения.

23 Direktīvās un to papildinājumos.

24 Smernice, v platnom znení.

22 Direktyvose su papildymais.

Direktiivejā, sellaisina kuin ne ovat muutettuina.

12 Direktiver, med foretatte endringer. 10 Direktiver, med senere ændringer. 11 Direktiv, med företagna ändringar.

19 Direktive z vsemi spremembami.

20 Direktiivid koos muudatustega.

24 * ako bolo uvedené v <A> a pozitívne zistené v

vērtējumam saskanā ar sertifikātu <C>.

25 * <A>'da belirtildiği gibi ve <C> Sertifikasına göre

 tarafından olumlu olarak değerlendirildiği gibi.

Manager Quality Control Department 1st of April 2009 Shinri Sada

DAIKIN INDUSTRIES, LTD.

Umeda Center Bldg., 2-4-12, Nakazaki-Nishi, Kita-ku, Osaka, 530-8323 Japan FUY71FJV1 FUYP71BV1 FUQ71BUV1B FUQ71BVV1B FUQ71BWV1B FUY100FJV1 FUYP100BV1 FUQ100BUV1B FUQ100BVV1B FUQ100BWV1B FUY125FJV1 FUYP125BV1 FUQ125BUV1B FUQ125BVV1B FUQ125BWV1B

SPLIT SYSTEM Air Conditioner

Installation manual

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This English text is the original instruction. Other languages are translations of the original instructions.

SAFETY PRECAUTIONS 1.

Please read these "SAFETY PRECAUTIONS" carefully before installing air conditioning equipment and be sure to install it correctly.

Meaning of WARNING and CAUTION notices. Both are important notices for safety. Be sure to follow them.

! 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 circum-

stances.

After completing installation, conduct a test operation to confirm that the equipment operates without any problems. Then, explain to the customer how to operate the equipment and take care of it following the operation manual. Ask the customer to store the installation manual along with the operation manual for future reference.

This air conditioner comes under the term "appliances not accessible to the general public".

−<u>∕!</u>\ 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.
- When installing the unit in a small room, take measures so that the refrigerant may not exceed the limiting concentration in the event of refrigerant leakage.
- Contact your dealer for further information. If the refrigerant leaks and exceeds the limiting concentration, it may lead to oxygen deficiency.
- Be sure to use only the specified accessories and parts for installation work.
 - 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. If a foundation does not have sufficient strength, the equipment may fall and cause injury.

 Carry out the required installation work in consideration of strong winds, typhoons or earthquakes. If the installation work is not properly carried out, the unit

may fall down and cause accidents.

The electrical work must be carried out by the qualified electrician in accordance with the local laws and regulations and this installation manual. Make sure to provide a dedicated power supply circuit and never connect additional wiring to the existing circuit.

An insufficient power supply capacity or improper electrical work may lead to electric shocks or fire.

- 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 or fire. A high surge current from lightning or other sources may cause damage to the air conditioner.
- · Be sure to install an earth leakage breaker. Failure to install an earth leakage breaker may result in electric shocks or fire.
- Be sure to switch off the unit before touching any electrical parts.

- Touching a live part may result in electric shock.

 For wiring, use the specified wires and connect and fasten them firmly so that no external force from the wires may be applied to the terminal connections.
 - If the wires are not firmly connected and fastened, it may cause heating, fire or the like.
- Wiring for power supply and between the indoor and outdoor units must be properly laid and formed, and the control box lid must be firmly fastened so that the wiring may not push up the structural parts such as the lid.
- If the lid is improperly fastened, it may cause electric shock or fire.
- If refrigerant gas leaks during installation, ventilate the area immediately.
 - Toxic gas may be produced if the refrigerant comes into contact with fire.
- After completing installation, check for refrigerant gas leak-
 - 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.
- Do not directly touch refrigerant that has leaked from refrigerant pipes or other areas, as there is a danger of frostbite.

/!\ CAUTION ———

- Carry out drain piping properly following this installation manual and insulate the pipe to prevent condensation. Improper drain piping may result in indoor water leakage and property damage.
- Install the indoor and outdoor units, power supply and transmission wirings at least 1 meter away from televisions or radios to prevent picture interference and noise. (Depending on the incoming signal strength, a distance of 1 meter may not be sufficient to eliminate noise.)
- Install the indoor unit as far as possible from fluorescent lamps.
 - If a wireless kit is installed in a room where the electronic lighting type (inverter or rapid start types) fluorescent lamps exist, the transmitting distance of a remote controller may be
- Do not install the air conditioner in the following locations:
 - Where there is a high concentration of mineral oil spray or vapour (e.g. a kitchen). Plastic parts may deteriorate and cause parts to fall off or water to leak.
 - Where corrosive gas, such as sulphurous acid gas, is produced.

Corrosion of copper pipes or brazed parts may occur and cause refrigerant leakage.

- Where there is a machine that generates electromagnetic wave and where voltage fluctuation often occurs such as a factory.
 - Control system may malfunction and as a result the unit may not properly operate.
- Where flammable gas may leak, where carbon fibre or ignitable dust is suspending in the air, or where volatile flammables such as paint thinner or gasoline are handled.
- Operating the unit in such conditions may result in fire.
- The air conditioner is not intended for use in a potentially explosive atmosphere.

2. BEFORE INSTALLATION

Do not exert pressure on the resin parts when opening the unit or when moving it after opening.

- When moving the unit while removing it from the box, be sure to lift it by holding on to the four lifting lugs without exerting any pressure on other parts, especially swing flap, the refrigerant piping, drain piping, and other resin parts.
- Decide upon a line of transport.
- Leave the unit inside its packaging while moving, until reaching the installation site. Use a sling of soft material, where unpacking is unavoidable or protective plates together with a rope when lifting, to avoid damage or scratches to the unit.
- Refer to the installation manual of the outdoor unit for items not described in this manual.
- Installation should only be carried out after checking in advance the type of refrigerant to be used. (Using the wrong refrigerant will prevent the unit from functioning properly.)
- Do not dispose of any parts necessary for installation until the installation is complete.

2-1 PRECAUTIONS

- Be sure to read this manual before installing the indoor unit.
- When selecting installation site, refer to the paper pattern.
- This unit is suitable for installation in a household, commercial and light industrial environment.
- Do not install or operate the unit in rooms mentioned below.
 - Laden with mineral oil, or filled with oil vapor or spray like in kitchens. (Plastic parts may deteriorate.)
 - Where corrosive gas like sulfurous gas exists. (Copper tubing and brazed spots may corrode.)
 - Where volatile flammable gas like thinner or gasoline is used.
 - Where machines can generate electromagnetic waves. (Control system may malfunction.)
 - Where the air contains high levels of salt such as that near the ocean and where voltage fluctuates greatly such as that in factories. Also in vehicles or vessels.

2-2 ACCESSORIES

Check the following accessories are included with the unit.

Name	1) Drain hose	2) Clamp	Washer for hanging bracket
Quantity	1 pc.	1 pc.	8 pcs.
Shape			

Name	4) Clamp	5) Wahers fixing plate	Insulation for fitting
Quantity	6 pcs.	4 pcs.	1 each
Shape	Q (S)		6) For gas pipe 7) For liquid pipe

Name	8) Sealing pad	9) Elbow	10) Paper pattern for installation
Quantity	1 pc.	1 pc.	1 pc.
Shape			Also used as packing material

Name	11) Blocking pad	12) Retainer for blocking pad	13) Retainer for blocking pad
Quantity	2 pcs.	2 pcs.	2 pcs.
Shape			

Name	14) Center retainer for blocking pad	
Quantity	2 pcs.	(Other)
Shape		 Operation manual Installation manual

2-3 OPTIONAL ACCESSORIES

 The remote controller are required for this indoor unit. (However, the remote controller is not required for the slave unit of a simultaneous operation system.)
 These are two types of remote controllers: wired and wireless. Select a remote controller from Table 1 according to customer request and install in an appropriate place.

(For installation, follow the Installation manual included with the remote controllers.)

Table 1

Remote controller		Model
Wired type)	BRC1C517, BRC1C61, BRC1D527, BRC1D528 BRC1B517, BRC1B61
Wireless	Heat pump type	BRC7C (A) 528W
type	Cooling only type	BRC7C (A) 529W

NOTE -

 If you wish to use a remote controller that is not listed in Table 1, select a suitable remote controller after consulting catalogs and technical materials.

FOR THE FOLLOWING ITEMS, TAKE SPECIAL CARE DURING CONSTRUCTION AND CHECK AFTER INSTALLATION IS FINISHED.

1. Items to be checked after completion of work

Items to be checked	If not properly done, what is likely to occur	Check
Is the indoor unit fixed firmly?	The unit may drop, vibrate or make noise.	
Is the gas leak test finished?	It may result in insufficient cooling.	
Is the unit fully insulated?	Condensate water may drip.	
Does drainage flow smoothly?	Condensate water may drip.	
Does the power supply voltage correspond to that shown on the name plate?	The unit may malfunction or the components burn out.	
Are wiring and piping correct?	The unit may malfunction or the components burn out.	
Is the unit safely grounded?	Dangerous at electric leakage.	

Is wiring size according to specifications?	The unit may malfunction or the components burn out.	
Is something blocking the air outlet or inlet of either the indoor or out- door units?	It may result in insufficient cooling.	
Are refrigerant piping length and additional refrigerant charge noted down?	The refrigerant charge in the system is not clear.	

2. Items to be checked at time of delivery *Also review the "SAFETY PRECAUTIONS"

Items to be checked	Check
Did you explain about operations while showing the instruction manual to your customer?	
Did you hand the instruction manual over to your customer?	

Points for explanation about operations

The items with \(\triangle \text{WARNING} \) and \(\triangle \tr

2-4 NOTE TO THE INSTALLER

Be sure to instruct customers how to properly operate the unit (especially cleaning filters, operating different functions, and adjusting the temperature) by having them carry out operations themselves while looking at the manual.

3. SELECTING INSTALLATION SITE AND AIR FLOW DIRECTION

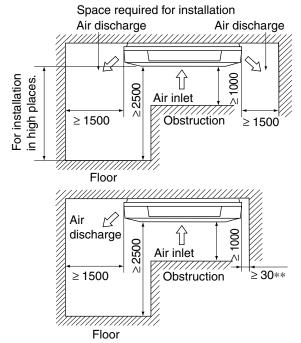
- 3-1 Select an installation site where the following conditions are fulfilled and that meets your customer's approval.
 - In the upper space (including the back of the ceiling) of the indoor unit where there is no possible dripping of water from the refrigerant pipe, drain pipe, water pipe, etc.
 - Where optimum air distribution can be ensured.
 - · Where nothing blocks air passage.
 - Where condensate can be properly drained.
 - Where the ceiling is strong enough to bear the indoor unit weight.
 - Where the false ceiling is not noticeably on an incline.

 Where sufficient clearance for maintenance and convice.
 - Where sufficient clearance for maintenance and service can be ensured.
 - Where there is no risk of flammable gas leakage.
 - Where piping between indoor and outdoor units is possible within the allowable limit.
 - (Refer to the installation manual for the outdoor unit.)

[CAUTION]

Only use the included parts or parts which match the specifications when installing the unit.

Install the indoor unit no less than 2.5m above the floor.
 Where unavoidably lower, take what measures are necessary to keep hands out of the air outlet.



** Space is required to attach/detach corner covers.

3-2 Air flow direction

Select the air flow direction that best suits the unit's location. 2way and 3-way air flow must be set from the remote controller. For details, see FIELD SETTING.

NOTE -

 Restrictions are placed on piping direction, therefore select flow direction from the below patterns.

[Air flow patterns] (Refer to Fig. 1) (Illustrations seen from ceiling)
A, B, C and D indicate drain pans.

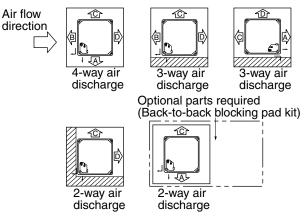


Fig. 1

Refrigerant pipe direction

- To the rear (Straight pipe)
- To the right (Elbow required)

Upward running refrigerant pipes are possible in all patterns.

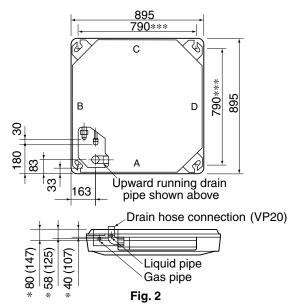
3-3 Use suspension bolts for installation. Check whether the ceiling is strong enough to support the weight of the unit or not. If there is a risk, reinforce the ceiling before installing the unit.

(Installation pitch is marked on the paper pattern for installation. Refer to it to check for points requiring reinforcing.)

PREPARATIONS BEFORE 4. **INSTALLATION**

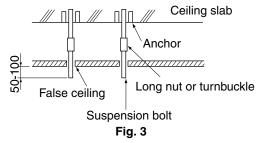
4-1 FOR 4-WAY AIR DISCHARGE

1. Relation of holes for indoor unit, suspension bolt position, piping and wiring. (Refer to Fig. 2) (Illustrations seen from ceiling)



- * Dimensions in () for 100 and 125 models *** Suspension bolt pitch
- 2. Make holes for suspension bolts, refrigerant and drain piping, and wiring. (Refer to Fig. 3)

 - Refer to the paper patten for the locations.
 Select the location for each of holes and open the holes in the ceiling.



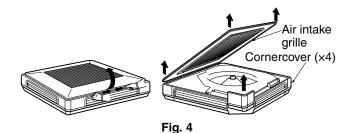
NOTE I

· All the above parts are field supplied.

(Use either a M8-M10 size bolt)

Use a hole-in anchor for existing ceilings, and a sunken insert, sunken anchor or other field supplied parts for new ceilings to reinforce the ceiling to bear the weight of the unit. Adjust clearance from the false ceiling before proceeding further.

- 3. Detach the air intake grille and corner covers from the indoor unit.
- Detach the air intake grille. (Refer to Fig. 4 and 5)
 - Slide the locking knobs (x2) on the air intake grille inward (direction of arrows) and lift upwards.



Hold the indoor unit by the hanger brackets when carrying.

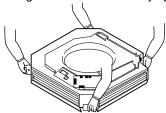
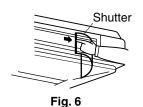


Fig. 5

- Open the air intake grille to a 45° angle and detach from the unit.
- Detach the corner covers.

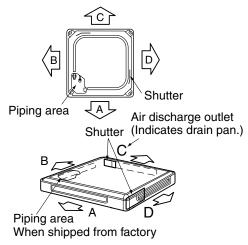
[TO CHANGE AIR FLOW RATE]

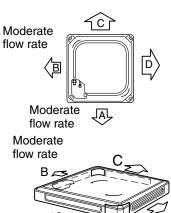
- When shipped from the factory, the shutters on air discharge outlets C and D are closed so that air flow rate is the same in all four directions.
- Air flow rate can be changed by sliding the shutter. (Refer to Fig. 6 and 7)



NOTE -

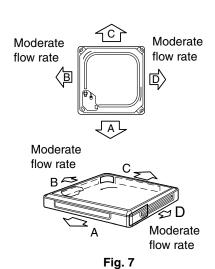
· Ilustration seen from ceiling





4

Moderate flow rate



- /N CAUTION -

Be careful not to touch the heat exchanger fins.

[CEILING HEIGHT]

The indoor unit may be installed on ceilings up to 3.5m in height. However, it becomes necessary to make field settings by remote controller when installing the unit at a height over 2.7m.

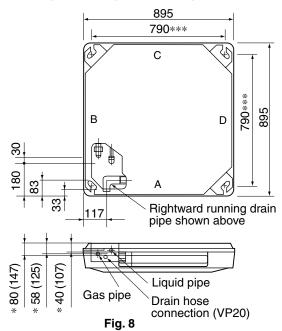
Refer to the section entitled "FIELD SETTING" and the decoration panel installation manual.

Install this unit where the height of bottom panel is more than 2.5m so that user cannot easily touch.

4-2 FOR 2-WAY OR 3-WAY AIR DISCHARGE

2-way and 3-way air discharge must be set from the remote controller. For details, see FIELD SETTING.

Relation of holes for indoor unit, suspension bolt position, piping and wiring. (Refer to Fig. 8)



NOTE

- · Illustrations seen from ceiling
 - * Dimension in () for 100 and 125 models
 - *** Suspension bolt pitch
- 2. Make holes for suspension bolts, refrigerant and drain piping, and wiring. (Refer to Fig. 9)

Refer to paper pattern for the locations.

Select the location for each of holes and open the holes in the ceiling

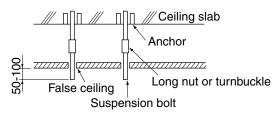


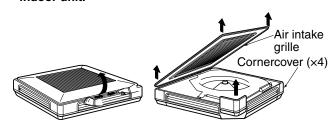
Fig. 9

NOTE -

- To change air flow rate, select a pattern from "TO CHANGE AIR FLOW RATE" and determine the location of pipes.
- · All the above parts are field supplied.

(Use either a M8-M10 size bolt.) Use a hole-in anchor for existing ceilings, and a sunken insert, sunken anchor or other field supplied parts for new ceilings to reinforce the ceiling to bear the weight of the unit. Adjust clearance from the false ceiling before proceeding

3. Detach the air intake grille and corner covers from the indoor unit.



Hold the indoor unit by the hanger brackets when carrying.

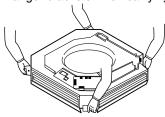


Fig. 10

- Detach the air intake grille. (Refer to Fig. 10)
- Slide the locking knobs (x2) on the air intake grille
- inward (direction of arrows) and lift upwards. Open the air intake grille to a 45° angle and detach from the unit.
- Detach the corner covers.

[THE WAY TO BLOCK AIR DISCHARGE OUTLETS]

For 2-way air discharge, outlets A and B must be blocked. For 3-way air discharge, outlets A or B must be blocked.

1. Detach the top decorative plate from the outlets to be blocked. (Refer to Fig. 11)

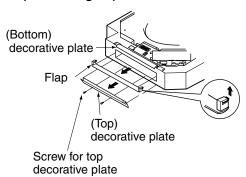
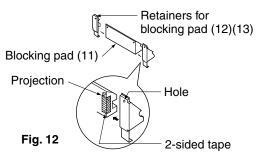


Fig. 11

2. Detach the flap from the outlets, too.

3. Attach the retainers to the blocking pad. (Refer to Fig. 12) Align the projections on the pads with the holes on the retainers, and tape parts together with 2-sided tape.



4. After installing the blocking pads, attach the center blocking pad retainer and the top decorative panel. (Refer to Fig. 13)

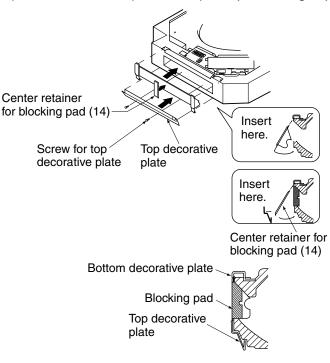


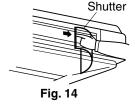
Fig. 13

— ∕N CAUTION

Unless blocking pads are installed as indicated, air will leak and consequently cause dewing.

[TO CHANGE AIR FLOW RATE]

- When shipped from the factory, the shutters on air discharge outlets C and D are closed so that air flow rate is the same in all four directions.
- Air flow rate can be changed by sliding the shutter. (Refer to Fig. 14)



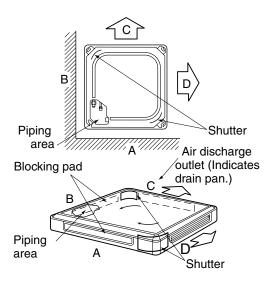
$-\!$ $\dot{\mathbb{M}}$ caution $\dot{\mathbb{M}}$

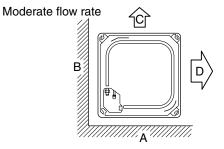
Be careful not to touch the heat exchanger fins.

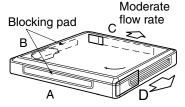
2-way air discharge (Refer to Fig. 15)

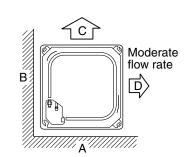
NOTE -

· Illustrations seen from ceiling









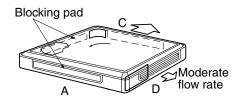
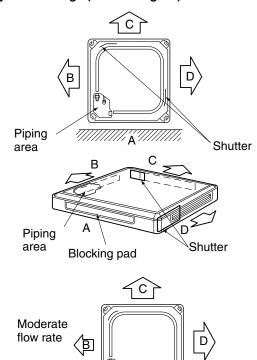
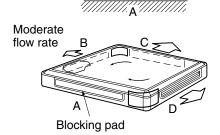


Fig. 15

3-way air discharge (Refer to Fig. 16)





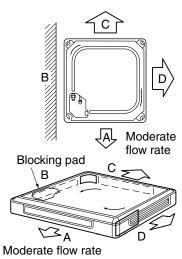


Fig. 16

[CEILING HEIGHT]

The indoor unit may be installed on ceilings up to 3.5 m in height. However, it becomes necessary to make field settings by remote controller when installing the unit at a height over 2.7m.

Refer to the section entitled "FIELD SETTING" and the decoration panel installation manual.

Install this unit where the height of bottom panel is more than 2.5m so that user cannot easily touch.

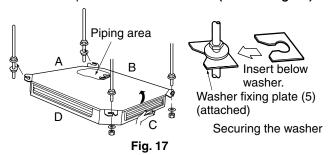
5. INDOOR UNIT INSTALLATION

Installing optional accessories before installing the indoor unit is easier.

As for the parts to be used for installation work, be sure to use the provided accessories and specified parts designated by our company.

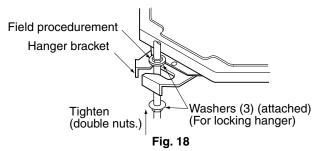
5-1 Fit the top nuts and washers over the suspension bolts (×4).

 Use the washer fixing plate (5) to keep the washer from falling out of place. Hang the unit from the hangers on side A, and then fit the bottom washers and nuts over the suspension bolts on that side. (Refer to Fig. 17)

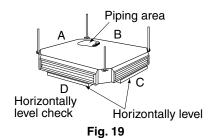


5-2 Install the indoor unit. (Refer to Fig. 18)

- Lock the unit to the hangers on side A.
- Hook the unit onto the other 2 hangers and lock with bottom washers and nuts.



5-3 Check whether the unit is horizontally level from sides C and D both. (Refer to Fig. 19)



- Do not hold the swing flap when mounting, as this may break it.
- The indoor unit is equipped with a built-in drain pump and float switch. At each of the unit's 4 corners, verify that it is level by using a water level or a waterfilled vinyl tube. (If the unit is tilted against condensate flow, the float switch may malfunction and cause water to drip.)
- 5-4 Remove the washer fixing plate (5) used for preventing the washer from falling and tighten the upper nut.

6. REFRIGERANT PIPING WORK

⟨For refrigerant piping of outdoor units, see the installation manual attached to the outdoor unit.⟩

(Execute heat insulation work completely on both sides of the gas piping and the liquid piping.

Otherwise, a water leakage can result sometimes.)

(When using a heat pump, the temperature of the gas piping can reach up to approximately 120°C, so use insulation which is sufficiently resistant.)

⟨Also, in cases where the temperature and humidity of the refrigerant piping sections might exceed 30°C or RH80 %, reinforce the refrigerant insulation. (20 mm or thicker) Condensation may form on the surface of the insulating material.⟩

⟨Before refrigerant piping work, check which type of refrigerant is used. Proper operation is not possible if the types of refrigerant are not the same.⟩

— / CAUTION -

- Use a pipe cutter and flare suitable for the type of refrigerant.
- Apply ester oil or ether oil around the flare section before connecting.
- To prevent dust, moisuture or other foreign matter from infiltrating the tube, either pinch the end or cover it with tape.
- Do not allow anything other than the designated refrigerant to get mixed into the refrigerant circuit, such as air, etc. If any refrigerant gas leaks while working on the unit, ventilate the room thoroughly right away.

6-1 Refrigerant pipes can be run in 3 directions (Refer to Fig. 20)

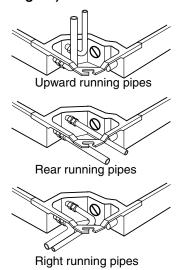
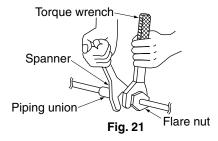


Fig. 20

- Use copper alloy seamless pipes (ISO 1337).
- The outdoor unit is charged with refrigerant.
- Be sure to use both a spanner and torque wrench together, when connecting or disconnecting pipes to/ from the unit. (Refer to Fig. 21)
- Refer to the Table 2 for flare dimensions and tightening torque.

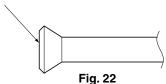


NOTE -

• Use the flare nut included with the unit main body.

 When connecting the flare nut, apply ester oil or ether oil to the inside of the flare section, and spin 3-4 times before screwing in. (Refer to Fig. 22)

Coat here with ester or ether oil.



— / CAUTION

Do not let oil get on the screw holders on the dressing board. Oil can weaken the screw holders.

Table 2

			Flare dimensions A (mm)		
		Type of refrigerant	R22, R407C	R410A	
		Applicable model	101-1301	FUQ	Flare
ļ	Pipe size	Tightening torque	FUYP-BV1		
	φ9.5(3/8")	32.7-39.9 N • m	12.6 – 13.0	12.8 – 13.2	745° ±2°.
	φ15.9(5/8")	61.8-75.4 N • m	19.0 – 19.4	19.3 – 19.7	R0.4-0.8
	φ19.1(3/4")	97.2-118.8 N • m	23.3 – 23.7		8 4 T

• Refer to "Table 2" to determine the proper tightening torque.

— <u></u> CAUTION

• Over-tightening the flare nut may break it and/or cause the refrigerant to leak.

— Not recommendable but in case of emergency .

You must use a torque wrench but if you are obliged to install the unit without a torque wrench, you may follow the installation method mentioned below.

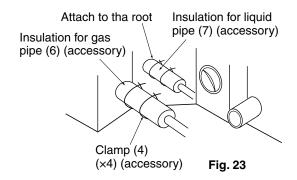
After the work is finished, make sure to check that there is no gas leak.

When you keep on tightening the flare nut with a spanner, there is a point where the tightening torque suddenly increases. From that position, further tighten the flare nut the angle shown below:

Table 3

Pipe size	Further tightening angle	Recommended arm length of tool
ф9.5 (3/8")	60 to 90 degrees	Approx. 200mm
φ15.9 (5/8")	30 to 60 degrees	Approx. 300mm
φ19.1 (3/4")	25 to 35 degrees	Approx. 450mm

 Make absolutely sure to execute heat insulation works on the pipe-connecting section after checking gas leakage by thoroughly studying the following figure and using the attached heat insulating materials for couplings (6) and (7). (Fasten both ends with the clamps (4).) (Refer to Fig. 23)



8



For local insulation, be sure to insulate all the way to the pipe connections inside the machine.

Exposed piping may cause leaking or burns on contact.

6-2 For upward and rightward running pipes

- Upward and rightward running pipes are easily rigged with the optional connecting elbow kit.
- For upward running pipes, detach the pipe hole cover.
 Once pipes are rigged, cut the pipe hole cover to size and reattach. Use scissors for cutting. (Refer to Fig. 24) Since there exists a possibility that small animals and insects might get inside the indoor unit, attach the wiring through covers and make sure there are no gaps in the through holes by applying putty or insulation (procured locally.)

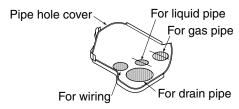


Fig. 24

When doing this, block any gaps between the piping penetration lid and the pipes using putty to prevent dust from entering the indoor unit.



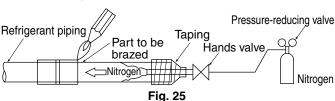
CAUTION TO BE TAKEN WHEN BRAZING REFRIGER-

ANT PIPING
"Do not use flux when brazing refrigerant piping. Therefore, use the phosphor copper brazing filler metal (BCuP-2: JIS Z 3264/B-Cu93P-710/795: ISO 3677) which does not require flux."

(Flux has extremely harmful influence on refrigerant piping systems. For instance, if the chlorine based flux is used, it will cause pipe corrosion or, in particular, if the flux contains fluorine, it will damage the refrigerant oil.)

- Before brazing local refrigerant piping, nitrogen gas shall be blown through the piping to expel air from the piping.

 If you brazing is done without nitrogen gas blowing, a large amount of oxide film develops inside the piping, and could cause system malfunction.
- When brazing the refrigerant piping, only begin brazing after having carried out nitrogen substitution or while inserting nitrogen into the refrigerant piping. Once this is done, connect the indoor unit with a flared or a flanged connection.
- Nitrogen should be set to 0.02MPa with a pressure-reducing valve if brazing while inserting nitrogen into the piping. (Refer to Fig. 25)



DRAIN PIPING WORK

7-1 Rig drain piping (Refer to Fig. 26)

As for drain work, perform piping in such a manner that water can be drained properly.

As for drain piping, the connection can be made from three different directions.

- Employ a pipe with either the same diameter or with the diameter larger (excluding the raising section) than that of the connecting pipe (PVC pipe, nominal diameter 20mm, outside diameter 26mm).
- Keep the drain pipe short and sloping downwards at a gradient of at least 1/100 to prevent air pockets from forming. (Refer to Fig. 27)



Water pooling in the drainage piping can cause the drain to

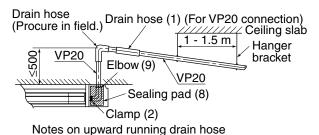
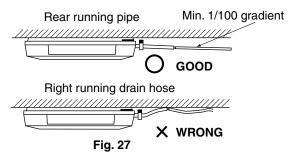
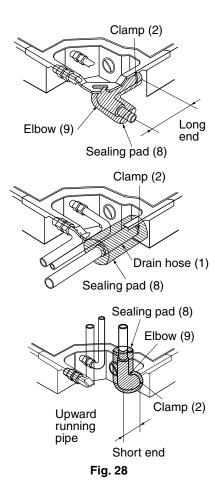


Fig. 26



- To keep the drain hose from sagging, space hanging wiring every 1 to 1.5m. (Refer to Fig. 26)
- Use only the included drain hose (1), (for rightward running drain hose) or elbow (9) (for upward running drain hose) and
- clamp (2).

 Fit the drain hose (1) or elbow (9) over the drain piping up to the neck and fasten tight with the clamp (2).
- Tighten the clamp (2) until the screw head is less than 4mm from the hose.
- Insulate the clamp (2) and drain hose or elbow (9) with the included sealing pad (8). (Refer to Fig. 28)
- Make sure that heat insulation work is executed on the following 2 spots to prevent any possible water leakage due to dew condensation.
 - Insulate the drain hose inside the building
 - Drain socket



Do not twist or bend the drain hose (1), so that excessive force is not applied to it, as this could cause leaks.

PRECAUTIONS FOR UPWARD DRAIN RAISING PIPING

- Install the drain raising pipes at a height of less than 500mm.
- Install the drain raising pipes at a right angle to the indoor unit. (Refer to Fig. 29)

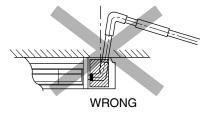


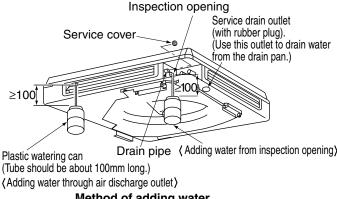
Fig. 29

CAUTION -

If the upward running drain hose leans at a slant, the float switch will malfunction and water will leak.

7-2 After piping work is finished, check if drainage flows smoothly.

Open the water inlet lid, add approximately 1000cc of water slowly and check drainage flow. (Refer to Fig. 30)



Method of adding water

Fig. 30

[Caution]

Drain piping connections

Do not connect the drain piping directly to sewage pipes that smell of ammonia. The ammonia in the sewage might enter the indoor unit through the drain pipes and corrode the heat exchanger.

WHEN ELECTRIC WIRING WORK IS FINISHED

Check drainage flow during Cooling operation, explained under "TEST OPERATION"

WHEN ELECTRIC WIRING WORK IS NOT FINISHED

∕!\ CAUTION -

- Electrical wiring work should be done by a certified electri-
- If someone who does not have the proper qualifications performs the work, perform the following after the test run is complete.
- Remove the control box lid and change the emergency switch above the PC board assembly of the indoor unit from "NORM." to "EMERG.". Connect the single-phase power supply and earth wire to the power supply (50Hz 220-240V) terminal board and confirm drain operation. Be sure to change the switch before turning on the power. (Refer to Fig. 31)

CAUTION -

- Clamp solidly to clamp C to make sure no excess pressure is applied to the wiring connections.

 Be aware that the fan will turn during the operation.
- After confirming drainage, turn off the power and be sure to change the emergency switch back to "NORM.".

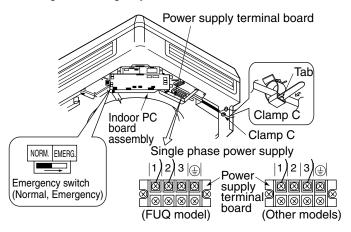


Fig. 31

ELECTRIC WIRING WORK 8.

- · All field supplied parts and materials and electric works must conform to local codes.
- Use copper wire only.
- For electric wiring work, refer also to "WIRING DIAGRAM" attached to the unit body.
- For remote controller wiring details, refer to the installation manual attached to the remote controller.
- All wiring must be performed by an authorized electrician.
- A circuit breaker capable of shutting down power supply to the entire system must be installed.
- Refer to the installation manual attached to the outdoor unit for the size of power supply electric wire connected to the outdoor unit, the capacity of the circuit breaker and switch, and wiring instructions.
- Be sure to ground the air conditioner
- Do not connect the ground wire to gas pipes, plumbing pipes, lightning rods, or telephone ground wires.

 • Gas pipes: might cause explosions or fire if gas leaks.

 - Plumbing: no grounding effect if hard vinyl piping is used.
 - Telephone ground wires or lightning rods: might cause abnormally high electric potential in the ground during lighting storms

· Specifications for field wire

The remote control cord should be procured locally. Refer to the Table 4 when preparing one.

Table 4

	Wire	Size (mm²)	Length
Wiring the units	H05VV - U4G (NOTE 1)	2.5	_
Remote controller cord	Vinyl cord with sheath or cable (2 wire) (NOTE 2)	0.75 - 1.25	Max. 500m

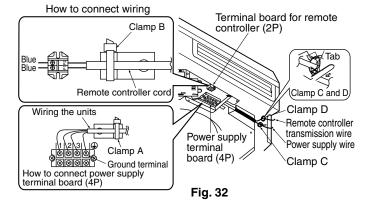
NOTE

- 1. Shows only in case of protected pipes. Use H07RN-F in case of no protection.
- 2. Insulated thickness: 1mm or more

<Methods of wiring units and connecting remote controller cords> (Refer to Fig. 32)

- Wiring the units connections Remove the switch box cover, and align the phases with those of the power terminal block inside to connect. Securely fix the wires with the included clamp material A, then fix them with the clamp material C likewise.
- Remote controller cords connections (not necessary for slave unit of simultaneous operation system)

Connect to the remote controller terminal block. (no polarity) Securely fix the remote controller cord with the included clamp material B, then fix it with the clamp material D likewise.



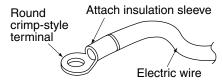


- · When clamping wiring, use the included clamping material to prevent outside pressure being exerted on the wiring connections and clamp firmly. When doing the wiring, make sure the wiring is neat and does not cause the control box lid to stick up, then close the cover firmly.
- When attaching the control box lid, make sure you do not pinch any wires.
- After all the wiring connections are done, fill in any gaps in the through holes with putty or insulation (procured locally) to prevent small animals and insects from entering the unit from outside. (If any do get in, they could cause short circuits in the electric box.)
- Outside the machine, separate the weak wiring (remote control cord) and strong wiring (interunit, ground, and other power wiring) at least 50 mm so that they do not pass through the same place together. Proximity may cause electrical interference, malfunctions, and breakage.

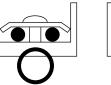
— ∕!\ CAUTION —

- Do not connect wires of different gauge to the same power supply terminal.
- (Looseness in the connection may cause overheating.) Observe the notes when wiring to the power supply terminal

(Use a round crimp-style terminal with insulation sleeve for connection to the power supply terminal board. In case it cannot be used due to unavoidable reasons, connect wires of the same gauge to the both side as shown in Fig. 33.)



Connect wires of the same gauge to both side.(GOOD)



Do not connect wires of the same gauge to one side.(WRONG)



Do not connect wires of different gauges.(WRONG)



Follow the instructions below if the wiring gets very hot due to slack in the power wiring.

- In wiring, make certain that prescribed wires are used, carry out complete connections, and fix the wires so that outside forces are not applied to the terminals.
- Use the correct screwdriver for tightening the terminal screws. If the blade of screwdriver is too small, the head of the screw might be damaged, and the screw will not be properly tightened.
- If the terminal screw are tightened too hard, screws might be damaged.
- Refer to the table below for the tightening torque of the terminal screws.

Tightening torque (N⋅m)		
Terminal block for remote controller	0.79 to 0.97	
Terminal block for wiring the units	1.18 to 1.44	
Earth terminal	1.44 to 1.94	

WIRING EXAMPLE

For the wiring of outdoor units, refer to the installation manual attached to the outdoor units.

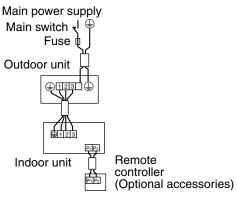
Confirm the system type.

- Pair type:1 remote controller controls 1 indoor unit (standard system)
- · Simultaneous operation system: 1 remote controller controls 2 indoor units (2 indoor units operates èqually.)
- Group control: 1 remote controller controls up to 16 indoor units

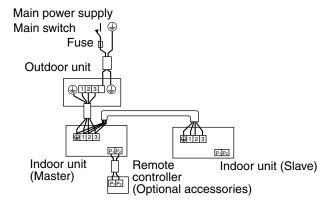
(All indoor units operate according to the remote controller).

 2 remote controller control: 2 rémote controller control 1 indoor unit.

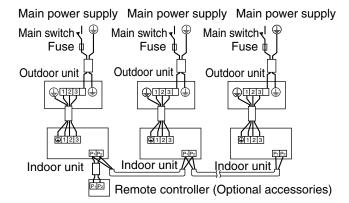
Pair type



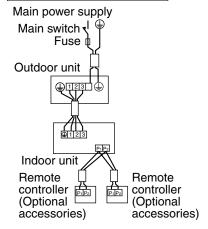
Simultaneous operation system



Group control



2 remote controller control



NOTE -

- All transmission wiring except for the remote controller wires is polarized and must match the terminal symbol.
- 2. When BRC1B517 is connected, use shield wire in transmission wiring. Ground the shield of the shield wire, at the grounding screw of the remote controller cord grounding terminal inside the control box.
- 3. In case of group control, perform the remote controller wiring to the master unit when connecting to the simultaneous operation system. (wiring to the slave unit is unnecessary)
- For group control remote controller, choose the remote controller that suits the indoor unit which has the most functions (as attached swing flap).
- 5. For simultaneous operation system, connect the remote controller cord to the master unit.

10. FIELD SETTING

Field settings must be made from the remote controller and in accordance with installation conditions.

- Settings can be made by changing the "Mode No.", "FIRST CODE NO." and "SECOND CODE NO.".
- For setting procedures and instructions, see "Field settings" provided with the remote controller.

10-1 Setting ceiling height

Select the SECOND CODE NO. that corresponds to the ceiling height. Refer to Table 5 and 6. (SECOND CODE NO. is factory set to "01" for a ceiling height of less than 2.7m.)

Table 5

Ceiling height (m)			
4-way air dis- charge	3-way air dis- charge	2-way air dis- charge	Setting
Less than 2.7m	Less than 3m	Less than 3.5m	N
More than 2.7m; 3m or less	More than 3m; 3.5m or less	More than 3.5m; 3.8m or less	Н
More than 3m; 3.5m or less	More than 3.5m; 3.8m or less	_	S

Table 6

Setting	Mode No.	FIRST CODE NO.	SECOND CODE NO.
N			01
Н	13 (23)	0	02
S			03

10-2 Settings for options

For settings for options, see the installation instructions provided with the option.

10-3 Setting air discharge direction

For changing air discharge direction to 2-way or 3-way air discharge, change the SECOND CODE NO. as shown Table 7

(SECOND CODE NO. is factory set to "01" for a air discharge direction of 4-way air discharge.)

Table 7

Setting	Mode No.	FIRST CODE NO.	SECOND CODE NO.
4-way air discharge			01
3-way air discharge	13 (23)	1	02
2-way air discharge			03

10-4 Setting air filter sign

- Remote controllers are equiped with liquid crystal display air filer signs to display the time to clean air filters.
 Change the SECOND CODE NO. according to Table 8
- Change the SECOND CODE NO. according to Table 8 depending on the amount of dirt or dust in the room. (SECOND CODE NO. is factory set to "01" for filter contamination-light)

Table 8

Setting	Spacing time of display air filter sign (long life type)	Mode No.	FIRST CODE NO.	SECOND CODE NO.
Air filter con- tamination- light	Approx. 2500 hrs	10 (20)	0	01
Air filter con- tamination- heavy	Approx. 1250 hrs	10 (20)	O	02

10-5 Setting indoor unit number of simultaneous operation system

 When using in simultaneous operation system mode, change the SECOND CODE NO. as shown in Table 9. (SECOND CODE NO. is factory set to "01" for Pair system.)

Table 9

Setting	Mode No.	FIRST CODE NO.	SECOND CODE NO.
Pair system (1 unit)			01
Simultaneous operation system (2-unit)	11 (21)	0	02
Simultaneous operation system (3-unit)			03

 When using in simultaneous operation system mode, refer to "Simultaneous Operation System Individual Setting" section to set master and slave units separately.

<When using wireless remote controllers>

 When using wireless remote controllers, wireless remote controller address setting is necessary. Refer to the installation manual attached to the wireless remote controller for setting instructions.

10-6 Simultaneous operation system individual setting

It is easier if the optional remote controller is used when setting the slave unit.

Perform the following procedures when setting the master and slave unit separately.

Procedure

(1) Change the SECOND CODE NO. to "02", individual setting, so that the slave unit can be individually set. (Refer to Table 10) (SECOND CODE NO. is factory set to "01", unified setting.)

Table 10

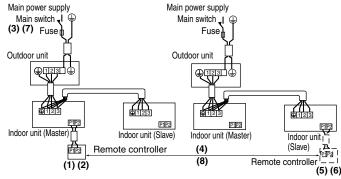
Setting	Mode No.	FIRST CODE NO.	SECOND CODE NO.
Unified setting	11 (21)	1	01
Individual setting	11 (21)	'	02

- (2) Perform field setting for the master unit.
- (3) Turn off the main power supply switch after (2).
- (4) Detach remote controller from the master unit and connect it to the slave unit.

- (5) Turn on the main power supply switch again, and as in (1), change the SECOND CODE NO. to "02", individual setting.
- (6) Perform field setting for the slave unit.
- (7) Turn off the main power supply switch after (6).
- (8) If there is more than one slave unit, repeat steps 4 to 7.
- (9) Detach the remote controller from the slave unit after the setting, and reattach to the master unit. This is the end of the setting procedure.

* You do not need to rewire the remote controller from the master unit if the optional remote controller for slave unit is used.

(However, remove the wires attached to the remote controller terminal board of the master unit.)

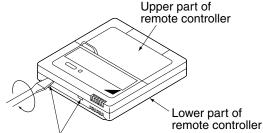


10-7 CONTROL BY 2 REMOTE CONTROLLERS (Controlling 1 indoor unit by 2 remote controllers)

 When using 2 remote controllers, one must be set to "MAIN" and the other to "SUB".

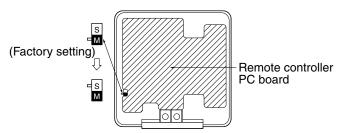
MAIN/SUB CHANGEOVER

- (1) Insert a wedge-head screwdriver into the recess between the upper and lower parts of remote controller and, working from the 2 positions, remove carefully the upper part. (Refer to Fig. 34) (The remote controller PC board is attached to the upper part of the remote controller.)
- (2) Turn the MAIN/SUB changeover switch on one of the two remote controller PC board to "S". (Leave the switch of the other remote controller set to "M".) (Refer to Fig. 35)



Insert the screwdriver here and gently work off the upper part of remote controller.

Fig. 34



(Only one remote controller needs to be changed if factory settings have remained untoched.)

Fig. 35

11. INSTALLATION OF CORNER COVER AND AIR INTAKE GRILLE

- Attach the corner covers to the unit and lock in place by screw. (The screws are taped to the corner covers.)
- For upward or rightward running pipes, cut the corner covers as shown at Fig. 36 before attaching them. (Refer to Fig. 36)

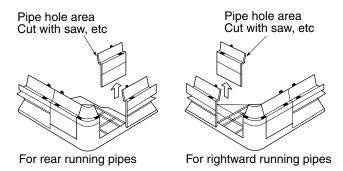


Fig. 36

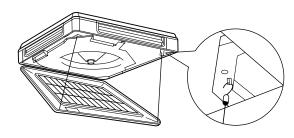


Fig. 37

- · Attach the air intake grille.
- Hook the strings to the unit to prevent the grille from dropping. (Refer to Fig. 37)

12. TEST OPERATION

Refer to the section of "FOR THE FOLLOWING ITEMS, TAKE SPECIAL CARE DURING CONSTRUCTION AND CHECK AFTER INSTALLATION IS FINISHED".

 After finishing the construction of refrigerant piping, drain piping, and electric wiring, conduct test operation accordingly to protect the unit.

12-1 HOW TO TEST OPERATION

- 1. Open the gas side stop valve.
- 2. Open the liquid side stop valve.
- 3. Electrify crank case heater for 6 hours (Not required in case of a unit exclusively designed for cooling only).
- 4. Set to cooling operation with the remote controller and start operation by pushing ON/OFF button (()).
- Press INSPECTION/TEST OPERATION button (ﷺ) 4 times (2 times for wireless remote controller) and operate at Test Operation mode for 3 minutes.
- Push AIR FLOW DIRECTION ADJUST button (√□) to make sure the unit is in operation.
- Press INSPECTION/TEST OPERATION button () and operate normally.
- Confirm function of unit according to the operation manual.

PRECAUTIONS

- Refer to the diagnoses below if the unit does not operate properly.
- Conduct test operation after installing AIR INTAKE GRILLE if the wireless remote controller is used.
- After completing the test run, press the INSPECTION/ TEST OPERATION button once to put the unit in inspection mode, and make sure the malfunction code is "00" (=normal).

If the code reads anything other than "00", refer to the malfunction diagnoses below.

12-2 HOW TO DIAGNOSE FOR PROBLEMS

With the power on. Troubles can be monitored on the remote controller or the LED's on the PC board of the indoor unit.

- ■Trouble shooting with the display on the liquid crystal display remote controller.
- 1 With the wired remote controller. (NOTE 1)
 When the operation stops due to trouble, operation lamp flashed, and " 👸 " and the error code are indicated on the liquid crystal display. In such a case, diagnose the fault contents by referning to the table on the Error code list it case of group control, the unit No. is displayed so that the indoor unit no with the trouble can be recognized. (NOTE 2)
- 2 With the wireless remote controller. (Refer also to the operation manual attached to the wireless remote controller)

When the operation stops due to trouble, the display on the indoor unit flashes. In such a case, diagnose the fault contents with the table on the Error code list looking for the error code which can be found by following procedures. (NOTE 2)

- (1) Press the INSPECTION /TEST OPERATION button, "ൃത" is displayed and " 0 " flashes.
- (2) Press the PROGRAMMING TIME button and find the unit No. which stopped due to trouble.

Number of beeps
3 short beeps Perform all the following operations
1 short beep....... Perform (3) and (6)
1 long beep No trouble

- (3) Press the OPERATION MODE SELECTOR button and upper figure of the error code flashes.
- (4) Continue pressing the PROGRAMMING TIME button unit it makes 2 short beeps and find the upper code.
- (5) Press the OPERATION MODE SELECTOR button and lower figure of the error code flashes.
- **(6)** Continue pressing the PROGRAMMING TIME button unit it makes a long beep and find the lower code.
 - · A long beep indicate the error code.
- ■Trouble shooting with the LEDs on the PC board (Refer to Table 11)

The following checking can be made with the service monitor LEDs (green). (Normal when flashing)

-: Not used for trouble shooting

Table 11

Microcomputer normal monitor HAP(H1P)	Transmission normal monitor HBP(H2P)	Details
≯	≯	Indoor unit is normal→Diagnose the outdoor unit
	*	Miswiring between the indoor and outdoor units
*	•	If the outdoor unit HAP(H1P) does not light, diagnose the outdoor unit. If it is flashed, it is due to either miswiring or malfunction of the indoor or outdoor unit PC board assembly. (NOTE 4)
汝		Malfunction of the indoor unit PC board (NOTE 5)
•	_	Abnormal power supply, malfunction of PC board assembly or disconnection between the indoor and outdoor units (NOTE 5)

NOTE -

1 In case wired remote controller. Press the INSPECTION /TEST OPERATION button on remote controller, "" starts flashing.

- 2 Keep down the ON/OFF button for 5 seconds or longer in the inspection mode and the above trouble history disappears, after the trouble code goes on and off twice, followed by the code "00" (normal). The display changes from the inspection mode to the normal mode.
- **3** Depending on the model or the conditions, it may carry out an emergency shut-down.
- 4 If the HBP (H2P) is off, the branch wiring between each of the indoor and outdoor units may either be incorrectly connected or broken. Before taking any of the diagnostic steps listed above, check the branch wiring. If the HBP (H2P) is off on an inverter, there is a possibility that the fuse on the outdoor unit's PC board is burnt out.
- 5 Cut off the power and wait for 5 seconds or longer. Turn on the power again and see if the LED is in the same state again.

12-3 Malfunction code

- For places where the error code is left blank, the "" indication is not displayed. Though the system continues operating, be sure to inspect the system and make repairs as necessary.
- Depending on the type of indoor or outdoor unit, the malfunction code may or may not be displayed.

Malfunction/Remarks
Indoor unit's PC board faulty
Drain water level abnormal
Indoor fan motor overloaded, overcurrent or locked
Swing flap motor locked
Only the air flow direction can not be controlled.
Humiditier faulty
Air cleaner faulty
Only the air cleaner does not function.
Type set improper
Capacity data is wrongly proset. Or there is nothing programmed in the data hold IC.
Sensor for heat exchanger temperature is fault. (NOTE 1)
Indoor heat exchanger/evaporation temperature thermistor faulty (NOTE 1)
Sensor for suction air temperature is fault. (NOTE 1)
Humidity sensor abnormal
Sensor for remote controller is fault.
The remote controller thermistor does not function, but the system thermo run is possible.
Action of safety device (outdoor unit)
Outdoor unit's PC board faulty (outdoor unit)
High pressure abnormal (outdoor unit)
Low pressure abnormal (outdoor unit)
Compressor motor lock malfunction (outdoor unit)
Compressor motor lock by over current (outdoor)
Outdoor fan motor lock malfunction Outdoor fan motor instantaneous overcurrent mal- function (outdoor unit)
Electronic expansion valve faulty (outdoor unit)
Cooling/heating switch malfunction (outdoor)
Discharge pipe temperature abnormal (outdoor unit)
High pressure switch faulty (outdoor unit)
Low pressure switch faulty (outdoor unit)
Outdoor fan motor position signal malfunction (outdoor unit)
Outdoor air thermistor faulty (outdoor unit) (NOTE 1)
Pressure sensor system error (batch) (outdoor unit)

J2	Current sensor system malfunction (outdoor unit) (NOTE 1)
J3	Discharge pipe thermistor faulty (outdoor unit) (NOTE 1)
J5	Suction pipe thermistor faulty (outdoor unit)
J6	Heat exchanger thermistor faulty (outdoor unit) (NOTE 1)
J7	Outdoor heat exchanger/evaporation temperature thermistor faulty (outdoor unit) (NOTE 1)
J8	Liquid piping temperature sensor system error (out-door unit) (NOTE 1)
J9	Gas piping thermistor malfunction (cooling) (outdoor)
JA	Discharge pipe pressure sensor faulty
JC	Suction pipe pressure sensor faulty
L1	Inverter error (outdoor unit)
L3	Reactor thermistor faulty (outdoor unit)
14	Overheated heat-radiating fin (outdoor unit)
L4	Inverter cooling defect
	Instantaneous overcurrent (outdoor unit)
L5	Possible earth fault or short circuit in the compressor motor
	Electric thermal (outdoor unit)
L8	Possible electrical overload in the compressor or cut line in the compressor motor
L9	Stall prevention (outdoor unit)
	Compressor possibly locked
LC	Transmission malfunction between the outdoor control units' inverters (outdoor unit)
P1	Open-phase (outdoor unit)
P3	PC board temperature sensor malfunction (outdoor unit)
P4	Heat-radiating fin temperature sensor malfunction (outdoor unit) (NOTE 1)
P6	DC output current sensor system malfunction (out-door unit)
	Type set improper (outdoor unit)
PJ	Capacity data is wrongly proset. Or there is nothing programmed in the data hold IC.
U0	Suction pipe temperature abnormal (NOTE 1)
U1	Reverse phase
	Reverse two phase of the L1,L2and L3 leads.
U2	Power source voltage malfunction (outdoor unit)
-02	Includes the defect in K1M. (NOTE 1)
	Transmission error (indoor unit – outdoor unit)
U4 UF	Wrong wiring between indoor and outdoor units or malfunction of the PC board mounted on the indoor and the outdoor units. If UF is shown, the wiring between the indoor and outdoor units is not properly wired. Therefore, immediately disconnect the power supply and correct the wiring. (The compressor and the fan mounted on the outdoor unit may start operation independent of the remote controller operation.)
	Transmission error (indoor unit – remote controller)
U5	Transmission is improper between the indoor unit and the remote controller.
U8	Malfunction in transmission between main and sub remote controls. (Malfunction in sub remote control.)
	Miss setting for multi system
UA	Setting is wrong for selector switch of multi-system. (See switch SS2 on the main unit's PC board.)

UC	Central control address overlapping		
UE	Transmission error (indoor unit - central controller)		
UJ	Accessory equipment transmission error	(NOTE 1)	

NOTE

1 Depending on the model or the conditions, it may carry out an emergency shut-down.

- / CAUTION -

- Refer to "2. Items to be checked at time of delivery" on page 3 upon completion of the test run and make sure that all the items are checked.
- If the customer's interior work has not been finished on completion of the test run, explain the customer not to operate the air conditioner. This is essential until the interior work is finished so as to protect the product. Substances generated from paints and adhesives used for the interior work may contaminate the product if the unit is operated.

⚠ To test run Contractors

When delivering the product to the customer after the test run is completed, check that the control box lid, the air filter and the suction grille are mounted. In addition, explain to the customer regarding the state (ON/OFF) of the power supply breaker.

13. WIRING DIAGRAM

(Refer to Fig. 38, 39, 40)

1	TO OUTDOOR UNIT	2	NOTE) 4	
3	WIRED REMOTE CONTROLLER	4	SWITCH BOX	
5	RECEIVER/DISPLAY UNIT	6	IN CASE OF SIMULTA- NEOUS OPERATION SYSTEM	
7	INDOOR UNIT (MASTER)	8	INDOOR UNIT (SLAVE)	
9	REMOTE CONTROLLER	10	CONTROL BOX	
11	NOTE) 9	12	(OPTIONAL ACCES- SORY)	
13	NOTE) 7	14	NOTE) 6	
15	WIRELESS REMOTE CONTROLLER			

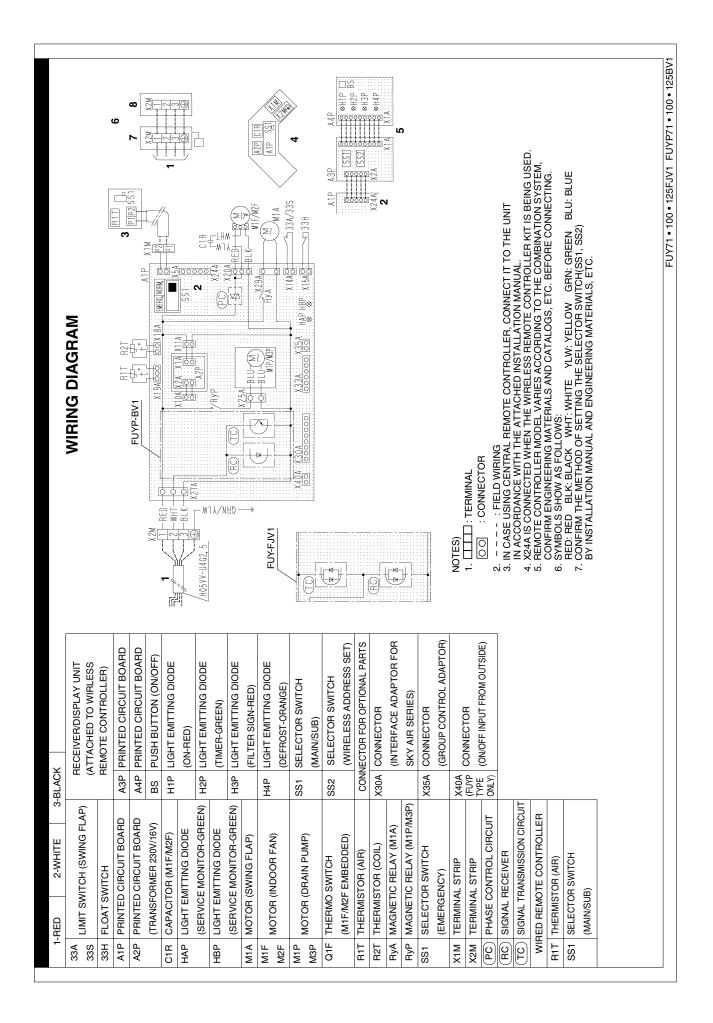


Fig. 38

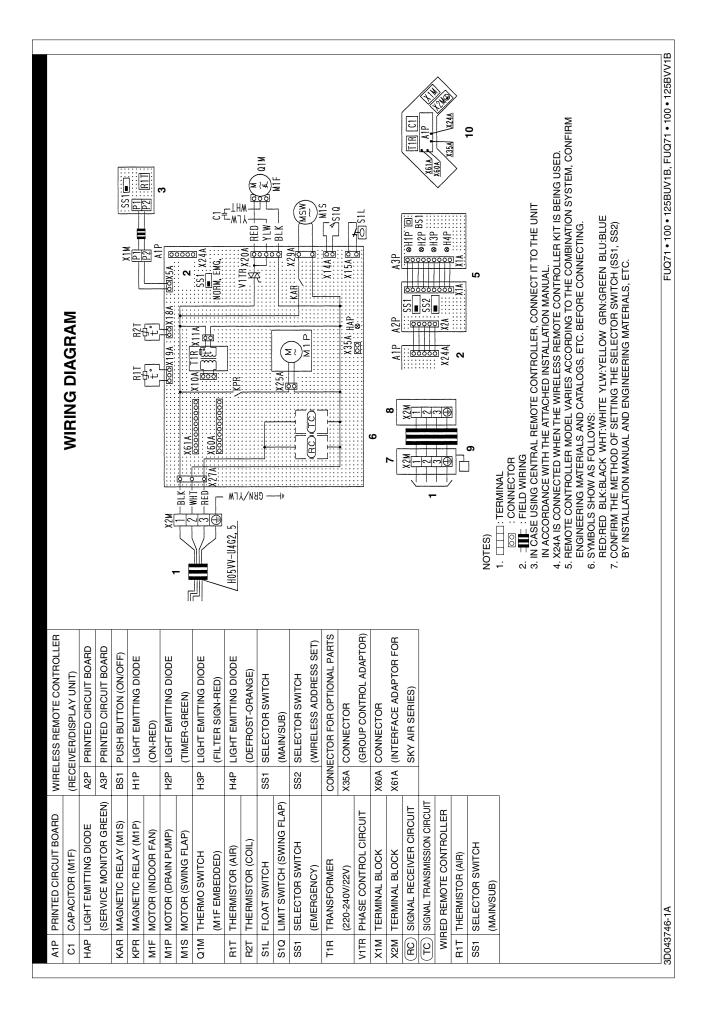


Fig. 39

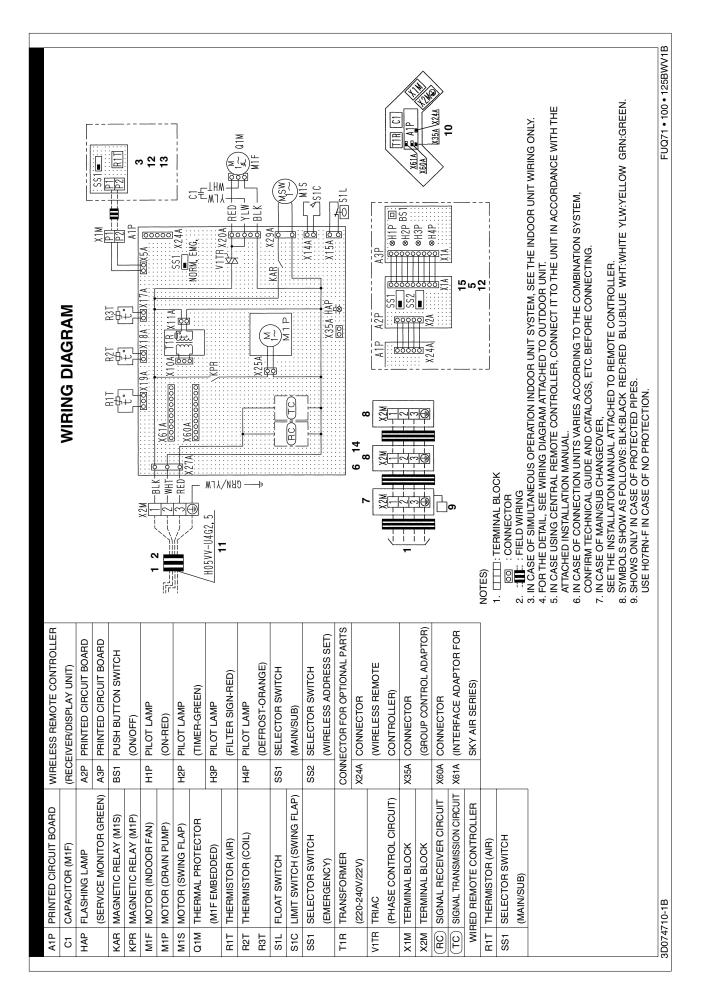


Fig. 40