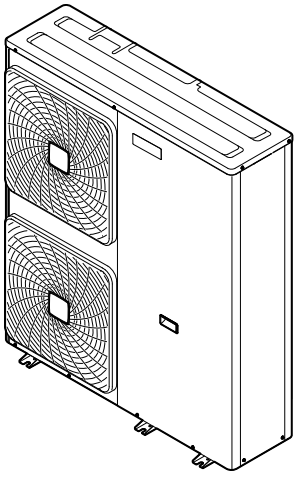
DAIKIN

altherma

Installation manual

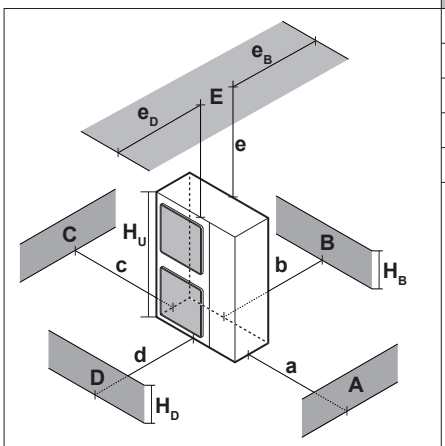
Daikin Altherma 3 H



EPGA11DAV3(7)
EPGA14DAV3(7)
EPGA16DAV3(7)

Installation manual
Daikin Altherma 3 H

English



A~E	H_B H_D H_U	(mm)							
		a	b	c	d	e	e_B	e_D	H
A, B, C	—	≥500	≥300	≥100					≥150
A, B, C, E	—	≥500	≥300	≥150		≥1000		≤500	≥150
D	—				≥500				≥150
D, E	—				≥500	≥1000	≤500		≥150
B, D	$H_D<H_U$		≥300		≥500				≥150
B, D, E	$H_D<H_U$ & $H_B>H_U$		≥300		≥1000	≥1000		≤500	≥150
	$H_D>H_U$ & $H_B<H_U$		≥300		≥1000	≥1000	≤500		≥150

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Daikin Europe N.V.

01 declares under its sole responsibility that the equipment to which this declaration relates:
02 erklärt auf seine alleinige Verantwortung daß die Ausrüstung für die diese Erklärung bestimmt ist:
03 déclare sous sa seule responsabilité que l'équipement visé par la présente déclaration:
04 verklaart hierbij op eigen exclusieve verantwoordelijkheid dat de apparatuur waarop deze verklaring betrekking heeft:
05 declara bajo su única responsabilidad que el equipo al que hace referencia la declaración:
06 dichiara sotto la propria responsabilità che gli apparecchi a cui è riferita questa dichiarazione:
07 δηλώνει με αποκλειστική της ευθύνη ότι ο εξοπλισμός στον οποίο αναφέρεται η παρούσα δήλωση:
08 declara sob sua exclusiva responsabilidade que os equipamentos a que esta declaração se refere:
09 заявляет, исключительно под свою ответственность, что оборудование, к которому относится настоящее заявление:
10 erklærer under eneansvarlig, at udstyret, som er omfattet af denne erklæring:
11 deklarerar i egenskap av huvudansvarig, att utrustningen som berörs av denna deklaration innebär att:
12 erklærer et fullstendig ansvar for at det utstyr som berøres av denne deklarasjon innebærer at:
13 ilmoittaa yksinomaan omalla vastuullaan, että tämän ilmoituksen tarkoittamat laitteet
14 prohlašuje ve své plné odpovědnosti, že zařízení, k němuž se toto prohlášení vztahuje:
15 izjavljuje pod isključivo vlastitom odgovornošću da oprema na koju se ova izjava odnosi:
16 teljes felelőssége tudatában kijelenti, hogy a berendezések, melyekre e nyilatkozat vonatkozik:
17 deklaruje na własną i wyłączną odpowiedzialność, że urządzenia, których ta deklaracja dotyczy:
18 declară pe proprie răspundere că echipamentele la care se referă această declaraţie:
19 z vso odgovornostjo izjavlja, da je oprema naprav, na katero se izjava nanaša:
20 kinnitab oma täielikul vastutusel, et käesoleva deklaratsiooni alla kuuluv varustus:
21 декларира на своя отговорност, че оборудването, за което се отнася тази декларация:
22 visiška savo atsakomybe skelbia, kad įranga, kuriai taikoma ši deklaracija:
23 ar pilnu atbildību apliecina, ka tālāk aprakstītās iekārtas, uz kurām attiecas šī deklarācija:
24 vyhlasuje na vlastnú zodpovednosť, že zariadenie, na ktoré sa vzťahuje toto vyhlásenie:
25 tamamen kendi sorumluluğunda olmak üzere bu bildirinin ilgili olduğu donanımının aşağıdaki gibi olduğunu beyan eder:

EPGA11DAV3, EPGA14DAV3, EPGA16DAV3,
EPGA11DAV37, EPGA14DAV37, EPGA16DAV37,

01 are in conformity with the following standard(s) or other normative document(s), provided that these are used in accordance with our instructions:
02 der/den folgenden Norm(en) oder einem anderen Normdokument oder -dokumenten entspricht/entsprechen, unter der Voraussetzung, daß sie gemäß unseren Anweisungen eingesetzt werden:
03 sont conformes à la/aux norme(s) ou autre(s) document(s) normatif(s), pour autant qu'ils soient utilisés conformément à nos instructions:
04 conform de volgende norm(en) of één of meer andere bindende documenten zijn, op voorwaarde dat ze worden gebruikt overeenkomstig onze instructies:
05 están en conformidad con la(s) siguiente(s) norma(s) u otro(s) documento(s) normativo(s), siempre que sean utilizados de acuerdo con nuestras instrucciones:
06 sono conformi al(i) seguente(i) standard(s) o altro(i) documento(i) a carattere normativo, a patto che vengano usati in conformità alle nostre istruzioni:
07 είναι σύμφωνα με το(α) ακόλουθο(α) πρότυπο(α) ή άλλο έγγραφο(α) κανονισμών, υπό την προϋπόθεση ότι χρησιμοποιούνται σύμφωνα με τις οδηγίες μας:
08 estão em conformidade com a(s) seguinte(s) norma(s) ou outro(s) documento(s) normativo(s), desde que estes sejam utilizados de acordo com as nossas instruções:
09 соответствуют следующим стандартам или другим нормативным документам, при условии их использования согласно нашим инструкциям:
10 overholder følgende standard(er) eller andet/andre retningsgivende dokument(er), forudsat at disse anvendes i henhold til vore instrukser:
11 respektive utrustning är utförd i överensstämmelse med och följer följande standard(er) eller andra normgivande dokument, under förutsättning att användning sker i överensstämmelse med våra instruktioner:
12 respektive utstyr er i overensstemmelse med følgende standard(er) eller andre normgivende dokument(er), under forutsetning av at disse brukes i henhold til våre instrukser:
13 vastaavat seuraavien standardien ja muiden ohjeellisten dokumenttien vaatimuksia edellyttäen, että niitä käytetään ohjeidemme mukaisesti:
14 za předpokladu, že jsou využívány v souladu s našimi pokyny, odpovídají následujícím normám nebo normativním dokumentům:
15 u skladu sa slijedećim standardom(ima) ili drugim normativnim dokumentom(ima), uz uvjet da se oni koriste u skladu s našim uputama:
16 megfelelnek az alábbi szabvány(ok)nak vagy egyéb irányadó dokumentum(ok)nak, ha azokat előírás szerint használják:
17 spełniają wymogi następujących norm i innych dokumentów normalizacyjnych, pod warunkiem że używane są zgodnie z naszymi instrukcjami:
18 sunt în conformitate cu următorul (următoarele) standard(e) sau alt(e) document(e) normativ(e), cu condiţia ca acestea să fie utilizate în conformitate cu instrucţiunile noastre:
19 skladni z naslednjimi standardi in drugimi normativi, pod pogojem, da se uporabljajo v skladu z našimi navodili:
20 on vastavuses järgmis(t)e standardi(te)ga või teiste normatiivsete dokumentidega, kui neid kasutatakse vastavalt meie juhenditele:
21 съответстват на следните стандарти или други нормативни документи, при условие, че се използват съгласно нашите инструкции:
22 atitinka žemiau nurodytus standartus ir (arba) kitus norminius dokumentus su sąlyga, kad yra naudojami pagal mūsų nurodymus:
23 tad, ja lietoti atbilstoši ražotāja norādījumiem, atbilst sekojošiem standartiem un citiem normatīviem dokumentiem:
24 sú v zhode s nasledovnou(ými) normou(ami) alebo iným(i) normatívnym(i) dokumentom(ami), za predpokladu, že sa používajú v súlade s našim návodom:
25 ürünün, talimatlarımıza göre kullanılması koşuluyla aşağıdaki standartlar ve norm belirten belgelerle uyumludur:

EN 60335-2-40,

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

Low Voltage 2014/35/EU
Electromagnetic Compatibility 2014/30/EU *
Pressure Equipment 2014/68/EU **

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

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

<A>	**DAIKIN.TCF.034B7/09-2021**
<B>	**DEKRA (NB0344)**
<C>	**2192529.0551-EMC**
<D>	**Daikin.TCFP.006**
<E>	**VINÇOTTE nv (NB0026)**
<F>	**D1**
<G>	**—**
<H>	II

2P556085-2A

DAIKIN

Hiromitsu Iwasaki
Director
Ostend, 2nd of November 2021

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

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CE - VYHLÁSENIE-ZHODY
CE - UYGUNLUK-BEYANI

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

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

08 (P) continuação da página anterior:
09 (RUS) продолжение предыдущей страницы:
10 (DK) fortsat fra forrige side:
11 (S) fortsättning från föregående sida:

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

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

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

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

01 **Design Specifications of the models to which this declaration relates:**
02 **Konstruktionsdaten der Modelle auf die sich diese Erklärung bezieht:**
03 **Spécifications de conception des modèles auxquels se rapporte cette déclaration:**
04 **Ontwerpspecificaties van de modellen waarop deze verklaring betrekking heeft:**
05 **Especificaciones de diseño de los modelos a los cuales hace referencia esta declaración:**
06 **Specifiche di progetto dei modelli cui fa riferimento la presente dichiarazione:**

07 **Προδιαγραφές Σχεδιασμού των μοντέλων με τα οποία σχετίζεται η δήλωση:**
08 **Especificações de projecto dos modelos a que se aplica esta declaração:**
09 **Проектные характеристики моделей, к которым относится настоящее заявление:**
10 **Typespecifikationer for de modeller, som denne erklæring vedrører:**
11 **Designspecifikationer för de modeller som denna deklaration gäller:**
12 **Konstruksjonsspesifikasjoner for de modeller som berøres av denne deklarasjonen:**

13 **Tätä ilmoitusta koskevien mallien rakennemäärittely:**
14 **Specifikace designu modelů, ke kterým se vztahuje toto prohlášení:**
15 **Specifikacije dizajna za modele na koje se ova izjava odnosi:**
16 **A jelen nyilatkozat tárgyát képező modellek tervezési jellemzői:**
17 **Specyfikacje konstrukcyjne modeli, których dotyczy deklaracja:**
18 **Specificaţiile de proiectare ale modelelor la care se referă această declaraţie:**
19 **Specifikacije tehničnega načrta za modele, na katere se nanaša ta deklaracija:**

20 **Deklaratsiooni alla kuuluvate mudelite disainispetsifikatsioonid:**
21 **Проектни спецификации на моделите, за които се отнася декларацията:**
22 **Konstrukcinės specifikacijos modelių, kurie susiję su šia deklaracija:**
23 **To modeļu dizaina specifikācijas, uz kurām attiecas šī deklarācija:**
24 **Konštrukčné špecifikácie modelu, ktorého sa týka toto vyhlásenie:**
25 **Bu bildirinin ilgili olduğu modellerin Tasarım Özellikleri:**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

<K>	PS	**41.7 bar**
<L>	TSmin	**–28 °C**
<M>	TSmax	**63 °C**
<N>		**R32**
<P>		**41.7 bar**

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01 Name and address of the Notified body that judged positively on compliance with the Pressure Equipment Directive: **<Q>**
02 Name und Adresse der benannten Stelle, die positiv unter Einhaltung der Druckanlagen-Richtlinie urteilte: **<Q>**
03 Nom et adresse de l'organisme notifié qui a évalué positivement la conformité à la directive sur l'équipement de pression: **<Q>**
04 Naam en adres van de aangemelde instantie die positief geoordeeld heeft over de conformiteit met de Richtlijn Drukapparatuur: **<Q>**
05 Nombre y dirección del Organismo Notificado que juzgó positivamente el cumplimiento con la Directiva en materia de Equipos de Presión: **<Q>**

06 Nome e indirizzo dell'Ente riconosciuto che ha riscontrato la conformità alla Direttiva sulle apparecchiature a pressione: **<Q>**
07 Όνομα και διεύθυνση του Κοινοποιημένου οργανισμού που απεφάνθη θετικά για τη συμμόρφωση προς την Οδηγία Εξοπλισμών υπό Πίεση: **<Q>**
08 Nome e morada do organismo notificado, que avaliou favoravelmente a conformidade com a directiva sobre equipamentos pressurizados: **<Q>**
09 Название и адрес органа технической экспертизы, принявшего положительное решение о соответствии Директиве об оборудовании под давлением: **<Q>**

10 Navn og adresse på bemyndiget organ, der har foretaget en positiv bedømmelse af, at udstyret lever op til kravene i PED (Direktiv for Trykbærende Udstyr): **<Q>**
11 Namn och adress för det anmälda organ som godkänt uppfyllandet av tryckutrustningsdirektivet: **<Q>**
12 Navn på og adresse til det autoriserte organet som positivt bedømte samsvar med direktivet for trykkutstyr (Pressure Equipment Directive): **<Q>**
13 Sen ilmoitetun elimen nimi ja osoite, joka teki myönteisen päätöksen painelaitedirektiivin noudattamisesta: **<Q>**

14 Název a adresa informovaného orgánu, který vydal pozitivní posouzení shody se směrnicí o tlakových zařízeních: **<Q>**
15 Naziv i adresa prijavljenog tijela koje je donijelo pozitivnu prosudbu o usklađenosti sa Smjernicom za tlačnu opremu: **<Q>**
16 A nyomástartó berendezésekre vonatkozó irányelvnek való megfelelőséget igazoló bejelentett szervezet neve és címe: **<Q>**
17 Nazwa i adres Jednostki notyfikowanej, która wydała pozytywną opinię dotyczącą spełnienia wymogów Dyrektywy dot. Urządzeń Ciśnieniowych: **<Q>**
18 Denumirea şi adresa organismului notificat care a apreciat pozitiv conformarea cu Directiva privind echipamentele sub presiune: **<Q>**

19 Ime in naslov organa za ugotavljanje skladnosti, ki je pozitivno ocenil združljivost z Direktivo o tlačni opremi: **<Q>**
20 Teavitatud organi, mis hindas Surveseadmete Direktiiviga ühilduvust positiivselt, nimi ja aadress: **<Q>**
21 Наименование и адрес на упълномощения орган, който се е произнесъл положително относно съвместимостта с Директивата за оборудване под налягане: **<Q>**
22 Atsakingos institucijos, kuri davė teigiamą sprendimą pagal slėginės įrangos direktyvą pavadinimas ir adresas: **<Q>**
23 Sertifikācijas institūcijas, kura ir devusi pozitīvu slēdzienu par atbilstību Spiediena iekārtu Direktīvai, nosaukums un adrese: **<Q>**

24 Názov a adresa certifikačného úradu, ktorý kladne posúdil zhodu so smernicou pre tlakové zariadenia: **<Q>**
25 Basınçlı Teçhizat Direktifine uygunluk hususunda olumlu olarak değerlendiren Onaylanmış kuruluşun adı ve adresi: **<Q>**

<Q> VINÇOTTE nv
Jan Olieslagerslaan 35
1800 Vilvoorde, Belgium

2P556085-2A

DAIKIN

Hiromitsu Iwasaki
Director
Ostend, 2nd of November 2021

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

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1 About this document

Target audience

Authorised installers

Documentation set

This document is part of a documentation set. The complete set consists of:

- **General safety precautions:**
  - Safety instructions that you must read before installing
  - Format: Paper (in the box of the indoor unit)
- **Operation manual:**
  - Quick guide for basic usage
  - Format: Paper (in the box of the indoor unit)
- **User reference guide:**
  - Detailed step-by-step instructions and background information for basic and advanced usage
  - Format: Digital files on http://www.daikineurope.com/support-and-manuals/product-information/
- **Installation manual – Outdoor unit:**
  - Installation instructions
  - Format: Paper (in the box of the outdoor unit)
- **Installation manual – Indoor unit:**
  - Installation instructions
  - Format: Paper (in the box of the indoor unit)
- **Installer reference guide:**
  - Preparation of the installation, good practices, reference data, …
  - Format: Digital files on http://www.daikineurope.com/support-and-manuals/product-information/
- **Addendum book for optional equipment:**
  - Additional info about how to install optional equipment
  - Format: Paper (in the box of the indoor unit) + Digital files on http://www.daikineurope.com/support-and-manuals/product-information/

Latest revisions of the supplied documentation may be available on the regional Daikin website or via your dealer.

The original documentation is written in English. All other languages are translations.

Technical engineering data

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

Online tools

In addition to the documentation set, some online tools are available for installers:

- **Heating Solutions Navigator**
  - Digital toolbox that offers a variety of tools to facilitate the installation and configuration of heating systems.
  - To access Heating Solutions Navigator, registration to the Stand By Me platform is required. For more information, see https://professional.standbyme.daikin.eu.
- **Daikin e-Care**
  - Mobile app for installers and service technicians that allows you to register, configure and troubleshoot heating systems.
  - The mobile app can be downloaded for iOS and Android devices using the QR codes below. Registration to the Stand By Me platform is required to access the app.

App Store Google Play

2 Specific installer safety instructions

Always observe the following safety instructions and regulations.

Installation site (see "4.1 Preparing the installation site" [▶ 7])

WARNING

Follow the service space dimensions in this manual for correct installation of the unit. See "4.1.1 Installation site requirements of the outdoor unit" [▶ 7].

Special requirements for R32 (see "4.1.1 Installation site requirements of the outdoor unit" [▶ 7])

WARNING

- Do NOT pierce or burn refrigerant cycle parts.
- Do NOT use means to accelerate the defrosting process or to clean the equipment, other than those recommended by the manufacturer.
- Be aware that R32 refrigerant does NOT contain an odour.

WARNING

The appliance shall be stored so as to prevent mechanical damage and in a well-ventilated room without continuously operating ignition sources (example: open flames, an operating gas appliance or an operating electric heater).

WARNING

Make sure installation, servicing, maintenance and repair comply with instructions from Daikin and with applicable legislation and are executed ONLY by authorised persons.

Opening and closing the unit (see "4.2 Opening and closing the unit" [▶ 7])

DANGER: RISK OF ELECTROCUTION

DANGER: RISK OF BURNING/SCALDING

Mounting the outdoor unit (see "4.3 Mounting the outdoor unit" [▶ 8])

WARNING

Fixing method of the outdoor unit MUST be in accordance with the instructions from this manual. See "4.3 Mounting the outdoor unit" [▶ 8].

Piping installation (see "5 Piping installation" [▶ 9])

WARNING

Field piping method MUST be in accordance with the instructions from this manual. See "5 Piping installation" [▶ 9].

In case of freeze protection by glycol:

WARNING

Ethylene glycol is toxic.

WARNING

Due to the presence of glycol, corrosion of the system is possible. Uninhibited glycol will turn acidic under the influence of oxygen. This process is accelerated by the presence of copper and high temperatures. The acidic uninhibited glycol attacks metal surfaces and forms galvanic corrosion cells that cause severe damage to the system. Therefore it is important that:

- the water treatment is correctly executed by a qualified water specialist,
- a glycol with corrosion inhibitors is selected to counteract acids formed by the oxidation of glycols,
- no automotive glycol is used because their corrosion inhibitors have a limited lifetime and contain silicates which can foul or plug the system,
- galvanized pipes are NOT used in glycol systems since the presence may lead to the precipitation of certain components in the glycol's corrosion inhibitor.

Electrical installation (see "6 Electrical installation" [▶ 11])

DANGER: RISK OF ELECTROCUTION

WARNING

Electrical wiring connection method MUST be in accordance with the instructions from:

- This manual. See "6 Electrical installation" [▶ 11].
- The wiring diagram, which is delivered with the unit, located at the inside of the service cover. For a translation of its legend, see "8.2 Wiring diagram: Outdoor unit" [▶ 14].

WARNING

ALWAYS use multicore cable for power supply cables.

CAUTION

Do NOT push or place redundant cable length in the unit.

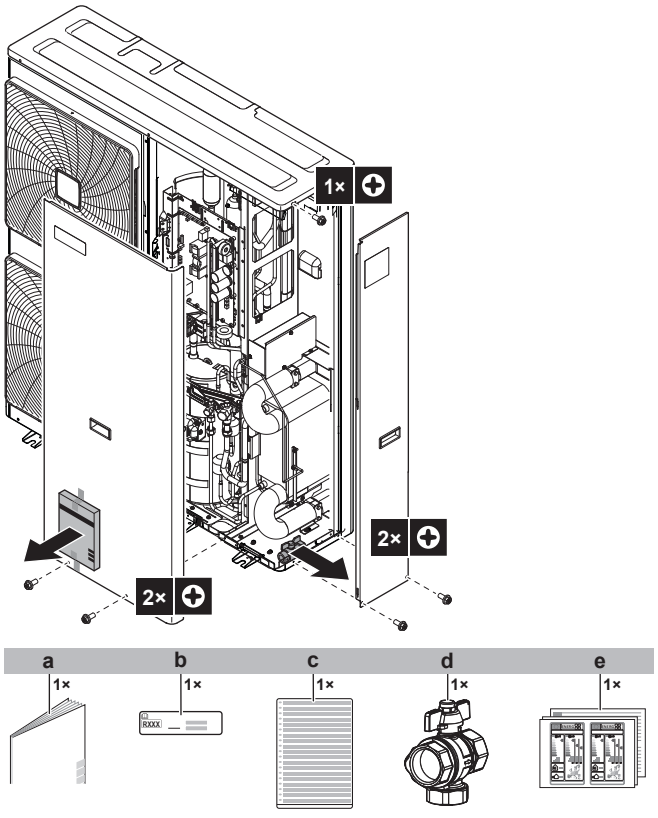
3 About the box

3.1 Outdoor unit

3.1.1 To remove the accessories from the outdoor unit

1 Open the outdoor unit.

2 Remove the accessories.



a Outdoor unit installation manual
b Fluorinated greenhouse gases label
c Multilingual fluorinated greenhouse gases label
d Shut-off valve (with integrated filter)
e Energy label

3.1.2 To remove the transportation stay

NOTICE

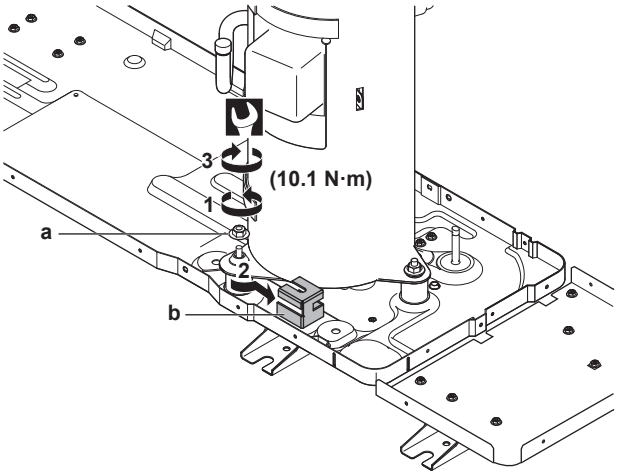
If the unit is operated with the transportation stay attached, abnormal vibration or noise may be generated.

The compressor transportation stay must be removed. It is installed under the compressor leg in order to protect the unit during transport. Proceed as shown in the figure and procedure below.

1 Remove the nut (a) of the compressor mounting bolt.

2 Remove and discard the transportation stay (b).

3 Re-install the nut (a) of the compressor mounting bolt and tighten to 10.1 N•m of torque.



4 Unit installation

4.1 Preparing the installation site

WARNING

The appliance shall be stored in a room without continuously operating ignition sources (example: open flames, an operating gas appliance or an operating electric heater).

4.1.1 Installation site requirements of the outdoor unit

Mind the spacing guidelines. See figure 1 on the inside of the front cover.

The symbols can be interpreted as follows:

A,C	Right side and left side obstacles (walls/baffle plates)
B	Suction side obstacle (wall/baffle plate)
D	Discharge side obstacle (wall/baffle plate)
E	Top side obstacle (roof)
a,b,c,d,e	Minimum service space between the unit and obstacles A, B, C, D and E
e_B	Maximum distance between the unit and the edge of obstacle E, in the direction of obstacle B
e_D	Maximum distance between the unit and the edge of obstacle E, in the direction of obstacle D
H_U	Height of the unit including the installation structure
H_B,H_D	Height of obstacles B and D
H	Height of installation structure below the unit

The outdoor unit is designed for outdoor installation only, and for the following ambient temperatures:

Cooling mode	10~43°C
Heating mode	–28~35°C

Special requirements for R32

The outdoor unit contains an internal refrigerant circuit (R32), but you do NOT have to do any refrigerant field piping, or refrigerant charging.

Mind the following requirements and precautions:

WARNING

- Do NOT pierce or burn refrigerant cycle parts.
- Do NOT use means to accelerate the defrosting process or to clean the equipment, other than those recommended by the manufacturer.
- Be aware that R32 refrigerant does NOT contain an odour.

WARNING

The appliance shall be stored so as to prevent mechanical damage and in a well-ventilated room without continuously operating ignition sources (example: open flames, an operating gas appliance or an operating electric heater).

WARNING

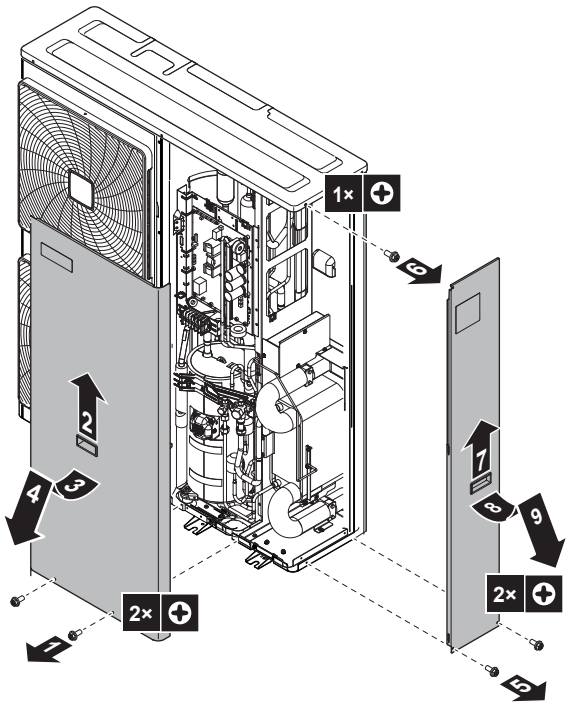
Make sure installation, servicing, maintenance and repair comply with instructions from Daikin and with applicable legislation and are executed ONLY by authorised persons.

4.2 Opening and closing the unit

4.2.1 To open the outdoor unit

DANGER: RISK OF ELECTROCUTION

DANGER: RISK OF BURNING/SCALDING



4.2.2 To close the outdoor unit

1 Close the switch box cover.

2 Mount the front plate and the side plate.

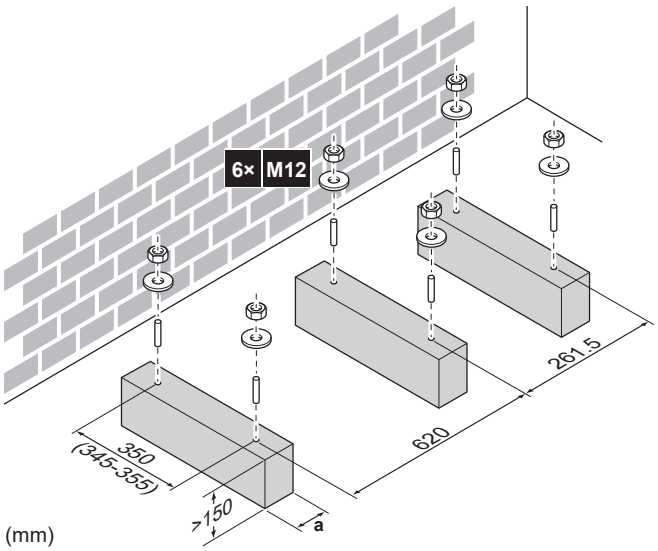
NOTICE

When closing the outdoor unit cover, make sure that the tightening torque does NOT exceed 4.1 N•m.

4.3 Mounting the outdoor unit

4.3.1 To provide the installation structure

Prepare 6 sets of anchor bolts, nuts and washers (field supply) as follows:

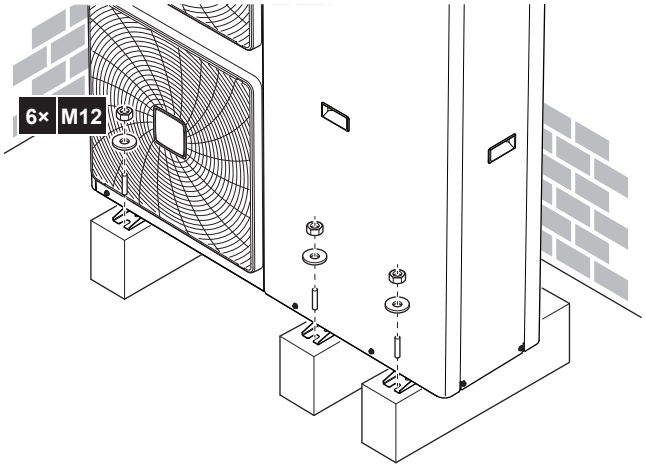


(mm)

a Make sure not to cover the drain holes.

In any case, make sure the unit is positioned at least 100 mm above the maximum expected level of snow.

4.3.2 To install the outdoor unit



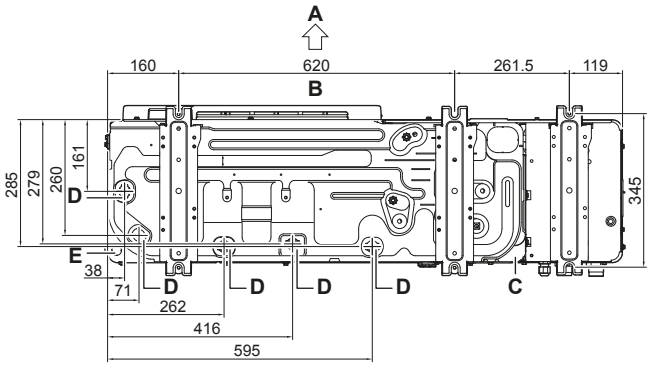
4.3.3 To provide drainage

Make sure that condensate can be evacuated properly. When the unit is in cooling mode, condensate may also form in the hydro part, therefore make sure to provide drainage in the entire unit.

NOTICE

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

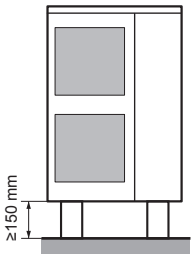
Drain holes (dimensions in mm)



A Discharge side
B Distance between anchor points
C Bottom frame
D Drain holes
E Knockout hole for snow

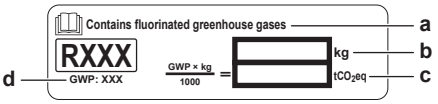
NOTICE

If drain holes of the outdoor unit are covered by a mounting base or by floor surface, raise the unit to provide a free space of more than 150 mm under the outdoor unit.



4.3.4 To fix the fluorinated greenhouse gases label

1 Fill in the label as follows:



a If a multilingual fluorinated greenhouse gases label is delivered with the unit (see accessories), peel off the applicable language and stick it on top of **a**.
b Total refrigerant charge
c **Quantity of fluorinated greenhouse gases** of the total refrigerant charge expressed as tonnes CO_2 equivalent.
d GWP = Global warming potential

NOTICE

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

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

Use the GWP value mentioned on the refrigerant charge label.

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

4.3.5 To prevent the outdoor unit from falling over

In case the unit is installed in places where strong wind can tilt the unit, take following measure:

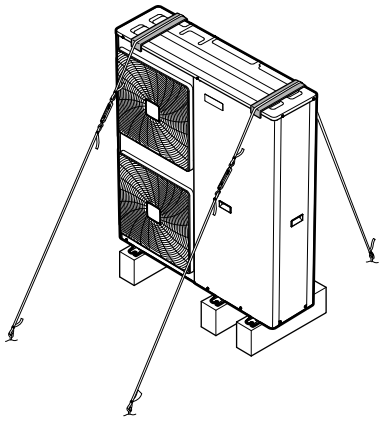
1 Prepare 2 cables as indicated in the following illustration (field supply).

2 Place the 2 cables over the outdoor unit.

3 Insert a rubber sheet between the cables and the outdoor unit to prevent the cables from scratching the paint (field supply).

4 Attach the ends of the cables.

5 Tighten the cables.



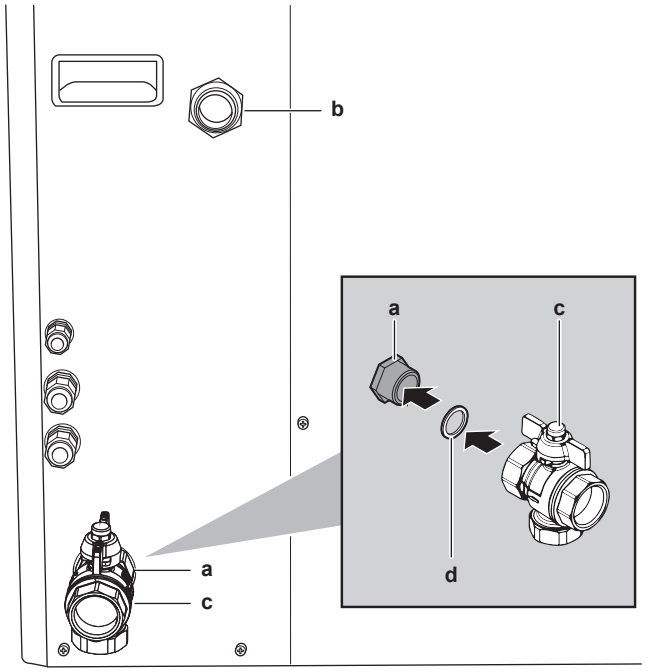
5 Piping installation

5.1 Connecting water piping

5.1.1 To connect the water piping

NOTICE

Do NOT use excessive force when connecting the field piping and make sure the piping is aligned properly. Deformation of the piping can cause malfunctioning of the unit.



a Water IN (screw connection, male, 1")
b Water OUT (screw connection, male, 1")
c Shut-off valve with integrated filter (delivered as accessory) (2× screw connection, female, 1")
d O-ring

NOTICE

About the shut-off valve with integrated filter (delivered as accessory):

- The installation of the valve at the water inlet is mandatory.
- Mind the flow direction of the valve.

1 Connect the O-rings and shut-off valve to the outdoor unit water inlet.

2 Connect the field piping to the shut-off valve.

3 Connect the field piping to the outdoor unit water outlet.

NOTICE

Install air purge valves at all local high points.

5.1.2 To fill the water circuit

See the installation manual of the indoor unit, or the installer reference guide.

5.1.3 To protect the water circuit against freezing

About freeze protection

Frost can damage the system. To prevent the hydraulic components from freezing, the software is equipped with special frost protection functions such as water pipe freeze prevention and drain prevention (see the installer reference guide) that include the activation of pump in case of low temperatures.

However, in case of a power failure, these functions cannot guarantee protection.

Do one of the following to protect the water circuit against freezing:

- Add glycol to the water. Glycol lowers the freezing point of the water.
- Install freeze protection valves. Freeze protection valves drain the water from the system before it can freeze. Insulate the freeze protection valves in a similar way as the water piping, but do NOT insulate the inlet and outlet (release) of these valves.

NOTICE

If you add glycol to the water, do NOT install freeze protection valves. **Possible consequence:** Glycol leaking out of the freeze protection valves.

Freeze protection by glycol

About freeze protection by glycol

Adding glycol to the water lowers the freezing point of water.

WARNING

Ethylene glycol is toxic.

WARNING

Due to the presence of glycol, corrosion of the system is possible. Uninhibited glycol will turn acidic under the influence of oxygen. This process is accelerated by the presence of copper and high temperatures. The acidic uninhibited glycol attacks metal surfaces and forms galvanic corrosion cells that cause severe damage to the system. Therefore it is important that:

- the water treatment is correctly executed by a qualified water specialist,
- a glycol with corrosion inhibitors is selected to counteract acids formed by the oxidation of glycols,
- no automotive glycol is used because their corrosion inhibitors have a limited lifetime and contain silicates which can foul or plug the system,
- galvanized pipes are NOT used in glycol systems since the presence may lead to the precipitation of certain components in the glycol's corrosion inhibitor.

NOTICE

Glycol absorbs water from its environment. Therefore do NOT add glycol that has been exposed to air. Leaving the cap off the glycol container causes the concentration of water to increase. The glycol concentration is then lower than assumed. As a result, the hydraulic components might freeze up after all. Take preventive actions to ensure a minimal exposure of the glycol to air.

Types of glycol

The types of glycol that can be used depend on whether the system contains a domestic hot water tank:

If…	Then…
The system contains a domestic hot water tank	Only use propylene glycol[(a)]
The system does NOT contain a domestic hot water tank	You can use either propylene glycol[(a)] or ethylene glycol

[(a)] Propylene glycol, including the necessary inhibitors, classified as Category III according to EN1717.

Required concentration of glycol

The required concentration of glycol depends on the lowest expected outdoor temperature, and on whether you want to protect the system from bursting or from freezing. To prevent the system from freezing, more glycol is required.

Add glycol according to the table below.

Lowest expected outdoor temperature	Prevent from bursting	Prevent from freezing
–5°C	10%	15%
–10°C	15%	25%
–15°C	20%	35%
–20°C	25%	—
–25°C	30%	—
–30°C	35%	—

INFORMATION

- Protection against bursting: the glycol will prevent the piping from bursting, but NOT the liquid inside the piping from freezing.
- Protection against freezing: the glycol will prevent the liquid inside the piping from freezing.

NOTICE

- The required concentration might differ depending on the type of glycol. ALWAYS compare the requirements from the table above with the specifications provided by the glycol manufacturer. If necessary, meet the requirements set by the glycol manufacturer.
- The added concentration of glycol should NEVER exceed 35%.
- If the liquid in the system is frozen, the pump will NOT be able to start. Mind that if you only prevent the system from bursting, the liquid inside might still freeze.
- When water is at standstill inside the system, the system is very likely to freeze and get damaged.

Glycol and the maximum allowed water volume

Adding glycol to the water circuit reduces the maximum allowed water volume of the system. For more information, see the installer reference guide (topic "To check the water volume and flow rate").

Glycol setting

NOTICE

If glycol is present in the system, setting [E-0D] must be set to 1. If the glycol setting is NOT set correctly, the liquid inside the piping can freeze.

Freeze protection by freeze protection valves

About freeze protection valves

When no glycol is added to the water, you can use freeze protection valves to drain the water from the system before it can freeze.

- Install freeze protection valves (field supply) at all lowest points of the field piping.
- Normally closed valves (located indoors near the piping entry/exit points) can prevent that all water from indoor piping is drained when the freeze protection valves open.

NOTICE

When freeze protection valves are installed, set the minimum cooling setpoint (default=8°C) at least 2°C higher than the maximum opening temperature of the freeze protection valve. If lower, freeze protection valves can open during cooling operation.

For more information, see the installer reference guide.

Heater tape (field supply)

1 Install heater tape to the outdoor field piping.

2 Provide external power supply for the heater tape.

NOTICE

- For the internal heater tape to operate, the power to the unit MUST be ON. For this reason, during cold periods, never disconnect the power, nor turn off the main switch.
- In case of a power failure, power to the heater tape (both internal and external) will be aborted and the water circuit will NOT be protected. To guarantee a full protection, it is always possible to add glycol to the water circuit or to use freeze protection valves, even when installing heater tape to the outdoor field piping.

5.1.4 To insulate the water piping

The piping in the complete water circuit MUST be insulated to prevent condensation during cooling operation and reduction of the heating and cooling capacity.

Outdoor water piping insulation

NOTICE

Outside piping. Make sure the outside piping is insulated as instructed to protect against hazards.

For piping in free air, it is recommended to use the insulation thickness as shown in below table as a minimum (with λ=0.039 W/mK).

Piping length (m)	Minimum insulation thickness (mm)
<20	19
20~30	32
30~40	40
40~50	50

For other cases the minimum insulation thickness can be determined using the Hydronic Piping Calculation tool.

The Hydronic Piping Calculation tool also calculates the maximum hydronic piping length from the indoor unit to the outdoor unit based on the emitter pressure drop or the other way around.

The Hydronic Piping Calculation tool is part of the Heating Solutions Navigator which can be reached via https://professional.standbyme.daikin.eu.

Please contact your dealer if you have no access to Heating Solutions Navigator.

This recommendation ensures good operation of the unit, however, local regulations may differ and shall be followed.

6 Electrical installation

DANGER: RISK OF ELECTROCUTION

WARNING

ALWAYS use multicore cable for power supply cables.

6.1 About electrical compliance

Equipment complying with EN/IEC 61000-3-12 (European/International Technical Standard setting the limits for harmonic currents produced by equipment connected to public low-voltage systems with input current >16 A and ≤75 A per phase.).

6.2 Guidelines when connecting the electrical wiring

Tightening torques

Item	Tightening torque (N•m)
M4 (X1M)	1.2~1.5
M4 (earth)	

6.3 Specifications of standard wiring components

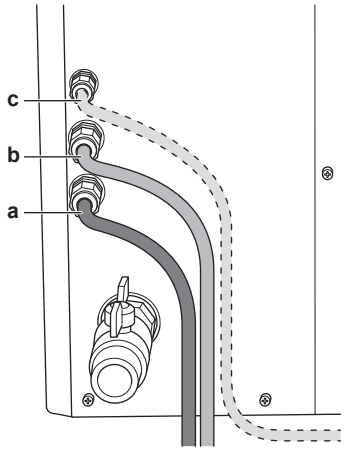
Component		EPGA11~16DAV3
Power supply cable	MCA[a]	30.7 A
	Voltage	230 V
	Phase	1~
	Frequency	50 Hz
	Wire sizes	Must comply with applicable legislation
Interconnection cable		Minimum cable section of 1.5 mm² and applicable for 230 V
Recommended field fuse[b]		32 A
Earth leakage circuit breaker		Must comply with applicable legislation

[a] The minimum allowed field fuse is 20 A.
[b] MCA=Minimum circuit ampacity. Stated values are maximum values (see electrical data of combination with indoor units for exact values).

6.4 To connect the electrical wiring to the outdoor unit

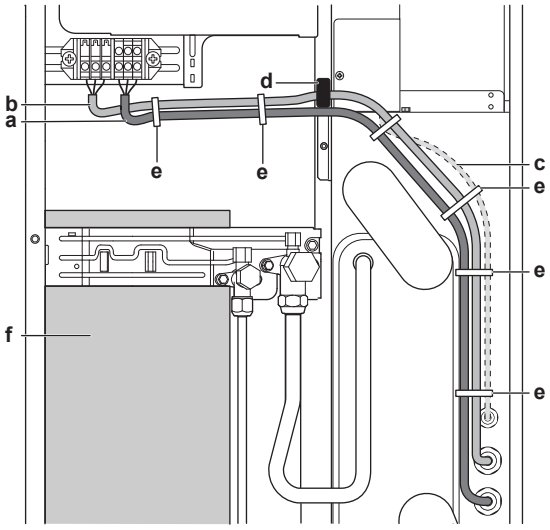
1 Remove the switch box cover. See "4.2.1 To open the outdoor unit" [▶ 7].

2 Insert the wiring at the back of the unit:



a Power supply cable (high voltage)
b Communication cable (high voltage)
c Cable for bottom plate heater (optional)

3 Inside the unit, route the wiring as follows:



a Power supply cable
b Communication cable
c Cable for bottom plate heater (optional)
d Ferrite core
e Tie strap
f Compressor

NOTICE

To guarantee electromagnetic compatibility:

- Make sure both power supply and communication cables run parallel to one another. Use tie straps to hold the cables together.
- Make sure the cables are located as far away from the compressor as possible.
- The communication cable MUST pass through the ferrite core.

4 Make sure that the cable does NOT come in contact with sharp edges or hot gas piping.

5 Install the switch box cover.

INFORMATION

When installing field supply or option cables, foresee sufficient cable length. This will make it possible to remove/reposition the switch box and gain access to other components during service.

CAUTION

Do NOT push or place redundant cable length in the unit.

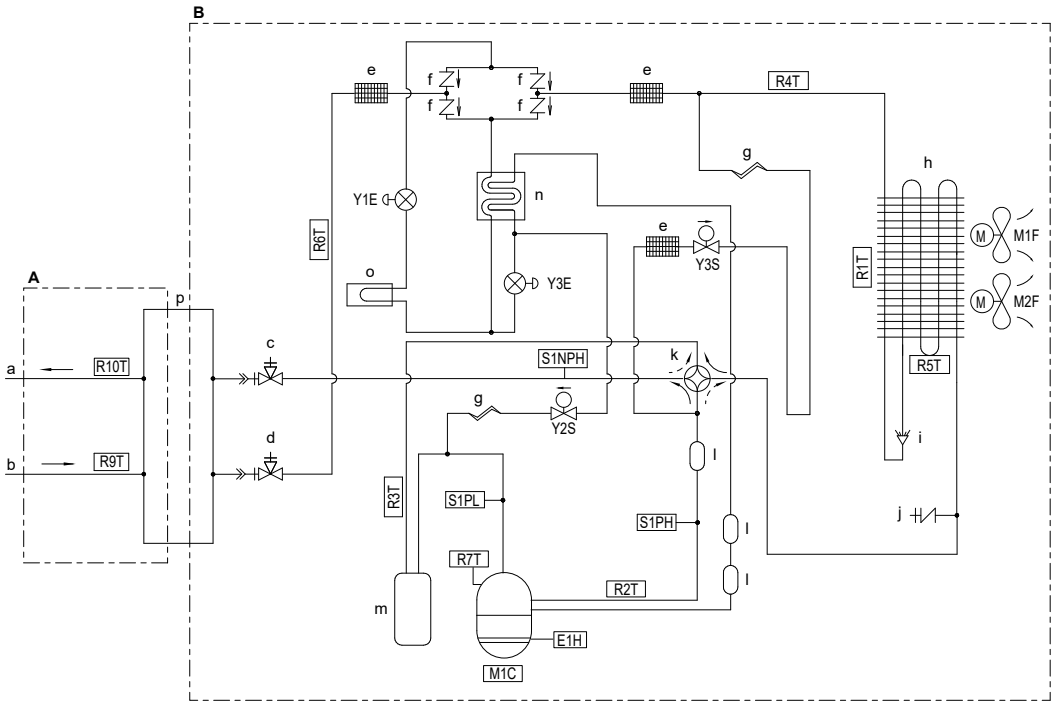
7 Starting up the outdoor unit

See the indoor unit installation manual for configuration and commissioning of the system.

8 Technical data

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

8.1 Piping diagram: Outdoor unit



A Water side
B Refrigerant side

a Water OUT, male 1"
b Water IN, male 1"
c Gas stop valve with service port
d Liquid stop valve with service port
e Refrigerant filter
f One-way valve
g Capillary tube
h Heat exchanger
i Distributor
j Service port 5/16" flare
k 4-way valve
l Muffler
m Accumulator
n Economiser heat exchanger
o Inverter PCB heat sink
p Plate heat exchanger

E1H Crankcase heater
M1C Compressor
M1F Upper fan motor
M2F Lower fan motor
R1T Thermistor (outdoor air)
R2T Thermistor (compressor discharge)
R3T Thermistor (compressor suction)
R4T Thermistor (air heat exchanger liquid pipe)
R5T Thermistor (air heat exchanger middle)
R6T Thermistor (refrigerant liquid)
R7T Thermistor (compressor protection)
R9T Thermistor (entering water)
R10T Thermistor (leaving water)
S1PH High pressure switch
S1PL Low pressure switch
S1NPH High pressure sensor
Y1E Electronic expansion valve (main)
Y2S Solenoid valve (injection bypass)
Y3E Electronic expansion valve (injection)
Y3S Solenoid valve (hot gas bypass)

Heating
Cooling

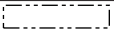
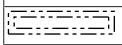
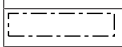
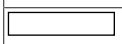
8.2 Wiring diagram: Outdoor unit

The wiring diagram is delivered with the unit, located at the inside of the service cover.

(1) Connection diagram

English	Translation
Connection diagram	Connection diagram
Only for ***	Only for ***
See note ***	See note ***
Outdoor	Outdoor
Indoor	Indoor
Position of compressor terminal	Position of compressor terminal
Position in switch box	Position in switch box
Front	Front
Right	Right
Back	Back
Upper	Upper
Lower	Lower
Fan	Fan
ON	ON
OFF	OFF

(2) Notes

English	Translation
Notes	Notes
L	Live
N	Neutral
	Connection
	Connector
	Earth wiring
	Field supply
	Protective earth
	Noiseless earth
	Field wire
	Terminal
	Terminal strip
	Wiring depending on model
	Option
	Switch box
	PCB

NOTES:

1 Colours: BLK: black, RED: red, BLU: blue, WHT: white, GRN: green, YLW: yellow, PNK: pink, ORG: orange.

2 This wiring diagram applies only to the outdoor unit.

3 When operating, do not short-circuit protective devices S1PH and S1PL

4 Refer to the combination table and the option manual for how to connect the wiring to X6A, X4A and X41A.

5 Refer to the service manual for instructions on how to set the selector switches (DS1). The factory setting of all switches is OFF.

(3) Legend

English	Translation
Legend	Legend
Field supply	Field supply
Optional	Optional

English	Translation
Part n°	Part n°
Description	Description

A1P	Printed circuit board (main)
A2P	Printed circuit board (noise filter)
A3P	Printed circuit board (leakage current)
A4P	Printed circuit board (ACS)
BS1~BS4 (A1P)	Push button switch
C1~C4 (A1P, A2P)	Capacitor
DS1 (A1P)	Dipswitch
E1H	Crankcase heater
E2H	Bottom plate heater (option)
E3H~E5H	Plate heat exchanger heaters
F1U~F4U (A2P)	Fuse
F6U (A1P)	Fuse (T 5.0 A / 250 V)
H1P~H7P (A1P)	Light-emitting diode (service monitor is orange)
HAP (A1P)	Light-emitting diode (service monitor is green)
K1R (A1P)	Magnetic relay (Y1S)
K1R (A4P)	Magnetic relay (E3H~E5H)
K2R (A1P)	Magnetic relay (Y2S)
K2R (A4P)	Magnetic relay (E2H)
K3R (A1P)	Magnetic relay (Y3S)
K4R (A1P)	Magnetic relay (E1H)
K10R (A1P)	Magnetic relay
K11M (A1P)	Magnetic contactor
K13R~K15R (A1P, A2P)	Magnetic relay
L1R~L3R (A1P)	Reactor
M1C	Compressor motor
M1F~M2F	Fan motor
PS (A1P)	Switching power supply
Q1DI	Earth leakage circuit breaker (30 mA) (field supply)
R1~R5 (A1P, A2P)	Resistor
R1T	Thermistor (outdoor air)
R2T	Thermistor (compressor discharge)
R3T	Thermistor (compressor suction)
R4T	Thermistor (air heat exchanger liquid pipe)
R5T	Thermistor (air heat exchanger middle)
R6T	Thermistor (refrigerant liquid)
R7T	Thermistor (compressor protection)
R9T	Thermistor (entering water)
R10T	Thermistor (leaving water)
R11T	Thermistor (fin)
RC (A2P)	Signal receiver circuit
S1NPH	High pressure sensor
S1PH	High pressure switch
S1PL	Low pressure switch
T1A	Current sensor
TC (A2P)	Signal transmission circuit

V1D~V4D (A1P)	Diode
V1R (A1P)	IGBT power module
V2R (A1P)	Diode module
V1T~V3T (A1P)	Insulated Gate Bipolar Transistor (IGBT)
X1M	Terminal strip
Y1E	Electronic expansion valve (main)
Y3E	Electronic expansion valve (injection)
Y1S	Solenoid valve (4-way valve)
Y2S	Solenoid valve (injection bypass)
Y3S	Solenoid valve (hot gas bypass)
Z1C~Z11C	Noise filter (ferrite core)
Z1F~Z6F (A1P, A2P)	Noise filter

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4P556065-1 B 0000000+

DAIKIN EUROPE N.V.

Zandvoordestraat 300, B-8400 Oostende, Belgium

4P556065-1B 2021.09