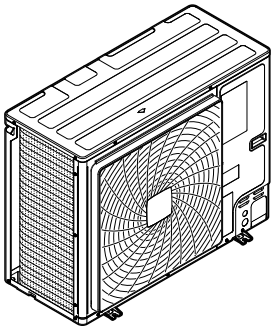




Installation manual

Sky Air Advance-series



RZA200D7Y1B
RZA250D7Y1B

Installation manual
Sky Air Advance-series

English

	A-E	H_B H_D H_U	(mm)						
			a	b	c	d	e	e_B	e_D
	B	—		≥100					
	A, B, C	—	≥100 ⁽¹⁾	≥100	≥100				
	B, E	—		≥100			≥1000		≤500
	A, B, C, E	—	≥150 ⁽¹⁾	≥150	≥150		≥1000		≤500
	D	—					≥500		
	D, E	—					≥500	≥1000	≤500
	B, D	$H_D > H_U$			≥100		≥500		
		$H_D \leq H_U$			≥100		≥500		
	B, D, E	$H_D > H_U$	$H_B \leq \frac{1}{2} H_U$		≥250		≥750	≥1000	≤500
			$\frac{1}{2} H_U < H_B \leq H_U$		≥250		≥1000	≥1000	≤500
$H_B > H_U$				⊘					
$H_D \leq H_U$		$H_B \leq \frac{1}{2} H_U$		≥100		≥1000	≥1000		≤500
	$\frac{1}{2} H_U < H_B \leq H_U$		≥200		≥1000	≥1000		≤500	
	$H_B > H_U$		⊘						

1

	A, B, C	—	≥200 ⁽¹⁾	≥300	≥1000					
	A, B, C, E	—	≥200 ⁽¹⁾	≥300	≥1000		≥1000		≤500	
	D	—					≥1000			
	D, E	—					≥1000	≥1000	≤500	
	B, D	$H_D > H_U$			≥300		≥1000			
			$H_D \leq H_U$	$H_B \leq \frac{1}{2} H_U$		≥250		≥1500		
				$\frac{1}{2} H_U < H_B \leq H_U$		≥300		≥1500		
	B, D, E	$H_D > H_U$	$H_B \leq \frac{1}{2} H_U$		≥300		≥1000	≥1000	≤500	
			$\frac{1}{2} H_U < H_B \leq H_U$		≥300		≥1250	≥1000	≤500	
			$H_B > H_U$		⊘					
$H_D \leq H_U$		$H_B \leq \frac{1}{2} H_U$		≥250		≥1500	≥1000		≤500	
	$\frac{1}{2} H_U < H_B \leq H_U$		≥300		≥1500	≥1000		≤500		
	$H_B > H_U$		⊘							

1+2

		H_B H_U	b (mm)
		$H_B \leq \frac{1}{2} H_U$	$b \geq 250$
		$\frac{1}{2} H_U < H_B \leq H_U$	$b \geq 300$
		$H_B > H_U$	⊘

2

<p>A1</p>	<p>A2</p>
<p>B1</p>	<p>B2</p>

3

- CE - DECLARACION DE CONFORMIDAD
CE - KONFORMITÄT SERKLÄRUNG
CE - DECLARAZIONE DI CONFORMITÀ
CE - ДИКЛАРИАЦІЯ ТИПОВОФОРМАЦІЇ
CE - FORSKRÄNING OM SÄMVERIN
CE - DEKLARAZIJA O SVORNOSTI
CE - DEKLARAZIJA O SVORNOSTI
CE - DEKLARAZIJA O SVORNOSTI
CE - DEKLARAZIJA O SVORNOSTI

Daikin Europe N.V.

- 01 06 declares under its sole responsibility that the air conditioning models to which this declaration relates. 02 erklärt unter seiner alleinigen Verantwortung, daß die Modelle der Klimaanlage für die diese Erklärung bestimmt ist: 03 déclare sous sa seule responsabilité que les appareils dont conditionnement d'air de ce type est prévu dans la présente déclaration: 04 vyslovuje pod svojou výhradnou zodpovednosťou, že modely klimatizačných zariadení, ktorých toto vyhlásenie sa týka, sú v súlade s podmienkami normy, ktorou sa riadi. 05 están en conformidad con (a) siguiente(s) norma(s) (o) otros documentos), provided that these are used in accordance with our instructions. 06 sind conform mit (a) folgende(n) Standard(e) (s) (o) anderen Dokumenten), vorausgesetzt, daß sie dem in den enpfehlungen angegebenen charakteristischen Merkmalen entsprechen. 07 other operating instructions of the product (or) other documents. 08 estão em conformidade com a(s) seguinte(s) norma(s) (o) outros documentos), desde que estes sejam utilizados de acordo com as nossas instruções.

RZA200D7Y1B*, RZA250D7Y1B*,
*, 1, 2, 3, ...

- 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(e) oder Normdokumenten entsprechen, unter der Voraussetzung, daß sie gemäß den entsprechenden Anweisungen eingesetzt werden. 03 sont conformés à la/s norme(s) ou autre(s) document(s) normatif(s), pour autant qu'ils soient utilisés conformément à nos instructions. 04 conforma con el siguiente(s) norma(s) o con otros documentos normativos, en su caso, siempre que se usen de acuerdo con nuestras instrucciones. 05 están en conformidad con (a) siguiente(s) norma(s) (o) otros documentos), siempre que se usen utilizados de acuerdo con nuestras instrucciones. 06 sono conformi all(i) seguente(standard) (s) o altro(i) documento(i) (o) altri documenti) in conformità alle nostre caratteristiche costruttive. 07 other operating instructions of the product (or) other documents. 08 estão em conformidade com a(s) seguinte(s) norma(s) (o) outros documentos), desde que estes sejam utilizados de acordo com as nossas instruções.
- EN60335-2-40,**
- 01 following the Vorschriften der: 19 ob povolených dobách: 02 gemäß den Vorschriften der: 20 nastavovat rážek: 03 conformément aux stipulations des: 21 zmenavati teplotu na: 04 overeenkomstig de bepalingen van: 22 likens met de specificaties van: 05 σύμφωνα με τις προδιαγραφές: 23 κατά τον καθορισμό των συνθηκών: 06 secondo le prescrizioni per: 24 odporúčajú stanovenia: 07 je předepsán tvorbou vzduchu: 25 buňni vešpřílavině vyční otekl: 08 в соответствии с положениями: 26 в умовах проєктування: 09 as set out in <> and judged positively by <> according to the <> certificate <>. 10 under applicable <> and judged positively by <> according to the <> certificate <>. 11 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 12 see <> applied to <> and judged positively by <> according to the <> certificate <>. 13 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 14 under applicable <> and judged positively by <> according to the <> certificate <>. 15 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 16 see <> applied to <> and judged positively by <> according to the <> certificate <>. 17 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 18 see <> applied to <> and judged positively by <> according to the <> certificate <>. 19 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 20 see <> applied to <> and judged positively by <> according to the <> certificate <>. 21 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 22 see <> applied to <> and judged positively by <> according to the <> certificate <>. 23 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 24 see <> applied to <> and judged positively by <> according to the <> certificate <>. 25 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page.

- CE - ERKLÄRUNG OMSÄMVERIN
CE - LIHTOJSÄYNNÄLKÄSUJUESTA
CE - PROHLÁŠENÍ SVORNOSTI
CE - FORSKRÄNING OM SÄMVERIN
CE - DEKLARAZIJA O SVORNOSTI
CE - DEKLARAZIJA O SVORNOSTI
CE - DEKLARAZIJA O SVORNOSTI
CE - DEKLARAZIJA O SVORNOSTI

09 заважає виконувати під свою відповідальність, що моделі кондиціонерів, до яких належить дана заява відповідності, відповідають вимогам стандарту EN 60335-2-40. 10 erklærer under ensesværin, at klimaenhederne i disse modeller er i overensstemmelse med den tekniske konstruktionsskema og den tekniske konstruktionsskema. 11 erklærer et tilsvarende svar for at de luftkonditioneringsmodeller som berøres af denne deklARATION, imødebar det. 12 інформує, що гарантує відповідність моделей кондиціонерів, до яких належить дана заява відповідності, вимогам стандарту EN 60335-2-40. 13 andraledes, som innebär att dessa modeller är i överensstämmelse med de tekniska konstruktionsskema och de tekniska konstruktionsskema. 14 отвечает за то, что гарантирую соответствие моделей кондиционеров, к которым относится данная декларация, требованиям стандарта EN 60335-2-40. 15 erklærer under ensesværin, at klimaenhederne i disse modeller er i overensstemmelse med den tekniske konstruktionsskema og den tekniske konstruktionsskema. 16 erklærer et tilsvarende svar for at de luftkonditioneringsmodeller som berøres af denne deklARATION, imødebar det. 17 informuje, że gwarantuje spełnienie przez modele klimatyzatorów, do których dotyczy ta deklaracja, wymagań normy EN 60335-2-40. 18 otrosledes, som innebär att dessa modeller är i överensstämmelse med de tekniska konstruktionsskema och de tekniska konstruktionsskema. 19 отвечает за то, что гарантирую соответствие моделей кондиционеров, к которым относится данная декларация, требованиям стандарта EN 60335-2-40. 20 erklærer under ensesværin, at klimaenhederne i disse modeller er i overensstemmelse med den tekniske konstruktionsskema og den tekniske konstruktionsskema. 21 erklærer et tilsvarende svar for at de luftkonditioneringsmodeller som berøres af denne deklARATION, imødebar det. 22 informuje, że gwarantuje spełnienie przez modele klimatyzatorów, do których dotyczy ta deklaracja, wymagań normy EN 60335-2-40. 23 otrosledes, som innebär att dessa modeller är i överensstämmelse med de tekniska konstruktionsskema och de tekniska konstruktionsskema. 24 отвечает за то, что гарантирую соответствие моделей кондиционеров, к которым относится данная декларация, требованиям стандарта EN 60335-2-40. 25 erklærer under ensesværin, at klimaenhederne i disse modeller er i overensstemmelse med den tekniske konstruktionsskema og den tekniske konstruktionsskema. 26 erklærer et tilsvarende svar for at de luftkonditioneringsmodeller som berøres af denne deklARATION, imødebar det.

- 08 соответствует следующим стандартам или другим нормативным документам, при условии их использования согласно нашим инструкциям. 09 overholder følgende standard(er) eller andet/andre retningsvisende dokument(er), forudsat at disse anvendes i henhold til vore instruktioner. 10 altre condizioni costruttive, in conformità alle nostre caratteristiche costruttive. 11 other operating instructions of the product (or) other documents. 12 estão em conformidade com a(s) seguinte(s) norma(s) (o) outros documentos), desde que estes sejam utilizados de acordo com as nossas instruções. 13 están en conformidad con (a) siguiente(s) norma(s) (o) otros documentos), provided that these are used in accordance with our instructions. 14 sono conformi all(i) seguente(standard) (s) o altro(i) documento(i) (o) altri documenti) in conformità alle nostre caratteristiche costruttive. 15 other operating instructions of the product (or) other documents. 16 estão em conformidade com a(s) seguinte(s) norma(s) (o) outros documentos), desde que estes sejam utilizados de acordo com as nossas instruções. 17 erklærer under ensesværin, at klimaenhederne i disse modeller er i overensstemmelse med den tekniske konstruktionsskema og den tekniske konstruktionsskema. 18 erklærer et tilsvarende svar for at de luftkonditioneringsmodeller som berøres af denne deklARATION, imødebar det. 19 informuje, że gwarantuje spełnienie przez modele klimatyzatorów, do których dotyczy ta deklaracja, wymagań normy EN 60335-2-40. 20 otrosledes, som innebär att dessa modeller är i överensstämmelse med de tekniska konstruktionsskema och de tekniska konstruktionsskema. 21 отвечает за то, что гарантирую соответствие моделей кондиционеров, к которым относится данная декларация, требованиям стандарта EN 60335-2-40. 22 erklærer under ensesværin, at klimaenhederne i disse modeller er i overensstemmelse med den tekniske konstruktionsskema og den tekniske konstruktionsskema. 23 erklærer et tilsvarende svar for at de luftkonditioneringsmodeller som berøres af denne deklARATION, imødebar det. 24 informuje, że gwarantuje spełnienie przez modele klimatyzatorów, do których dotyczy ta deklaracja, wymagań normy EN 60335-2-40. 25 otrosledes, som innebär att dessa modeller är i överensstämmelse med de tekniska konstruktionsskema och de tekniska konstruktionsskema. 26 отвечает за то, что гарантирую соответствие моделей кондиционеров, к которым относится данная декларация, требованиям стандарта EN 60335-2-40.

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

11 enige <> och godkänts av <> enligt Certifikat <>. 12 enligt med den tekniska Konstruktionsskema <> som positivt utvärderats av <> (Riskkategori <>). Se även nästa sida. 13 see <> applied to <> and judged positively by <> according to the <> certificate <>. 14 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 15 under applicable <> and judged positively by <> according to the <> certificate <>. 16 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 17 see <> applied to <> and judged positively by <> according to the <> certificate <>. 18 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 19 see <> applied to <> and judged positively by <> according to the <> certificate <>. 20 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 21 see <> applied to <> and judged positively by <> according to the <> certificate <>. 22 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 23 see <> applied to <> and judged positively by <> according to the <> certificate <>. 24 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 25 see <> applied to <> and judged positively by <> according to the <> certificate <>. 26 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page.

- 12 respektive utstyr er i overensstemmelse med følgende standard(er) eller andre passende dokument(er), under forudsætning av at disse brukes i henhold til våre instruksjoner. 13 vastavaa seuraavien standardin ja muiden yhteisten dokumenttien vaatimista edellyttäen, että niitä käytetään ohjeidemme mukaisesti. 14 za předpokladu, že jsou používány v souladu s našimi pokyny, odpovídají následujícím normám nebo normativním dokumentům. 15 u skladu sa sljedecim standardima (ima) ili drugim normativnim dokumentima, uz uvjet da se koristi u skladu s našim uputama. 16 megfelelnek az alábbi szabvány(ok)nak vagy egyéb irányadó dokumentum(ok)nak, ha azokat előírás szerint használják. 17 zgodnie z następującymi standardami lub innymi odpowiednimi dokumentami, o ile są stosowane zgodnie z naszymi instrukcjami. 18 sind in conformiteit met de volgende norm(en) of andere document(en) (of andere documenten), zolang zij worden gebruikt overeenkomstig de instructies hiërtoe. 19 skladu z naslednjimi standardi in drugim normativnim dokumentom, da se uporabljajo v skladu z našimi navodili. 20 u skladu sa sledećim standardima (ima) ili drugim normativnim dokumentima, uz uvjet da se koristi u skladu s našim uputama. 21 u skladu sa sledećim standardima (ima) ili drugim normativnim dokumentima, uz uvjet da se koristi u skladu s našim uputama. 22 u skladu sa sledećim standardima (ima) ili drugim normativnim dokumentima, uz uvjet da se koristi u skladu s našim uputama. 23 u skladu sa sledećim standardima (ima) ili drugim normativnim dokumentima, uz uvjet da se koristi u skladu s našim uputama. 24 u skladu sa sledećim standardima (ima) ili drugim normativnim dokumentima, uz uvjet da se koristi u skladu s našim uputama. 25 u skladu sa sledećim standardima (ima) ili drugim normativnim dokumentima, uz uvjet da se koristi u skladu s našim uputama. 26 u skladu sa sledećim standardima (ima) ili drugim normativnim dokumentima, uz uvjet da se koristi u skladu s našim uputama.

EN60335-2-40,

- 01 following the Vorschriften der: 19 ob povolených dobách: 02 gemäß den Vorschriften der: 20 nastavovat rážek: 03 conformément aux stipulations des: 21 zmenavati teplotu na: 04 overeenkomstig de bepalingen van: 22 likens met de specificaties van: 05 σύμφωνα με τις προδιαγραφές: 23 κατά τον καθορισμό των συνθηκών: 06 secondo le prescrizioni per: 24 odporúčajú stanovenia: 07 je předepsán tvorbou vzduchu: 25 buňni vešpřílavině vyční otekl: 08 в соответствии с положениями: 26 в умовах проєктування: 09 as set out in <> and judged positively by <> according to the <> certificate <>. 10 under applicable <> and judged positively by <> according to the <> certificate <>. 11 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 12 see <> applied to <> and judged positively by <> according to the <> certificate <>. 13 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 14 under applicable <> and judged positively by <> according to the <> certificate <>. 15 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 16 see <> applied to <> and judged positively by <> according to the <> certificate <>. 17 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 18 see <> applied to <> and judged positively by <> according to the <> certificate <>. 19 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 20 see <> applied to <> and judged positively by <> according to the <> certificate <>. 21 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 22 see <> applied to <> and judged positively by <> according to the <> certificate <>. 23 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page. 24 see <> applied to <> and judged positively by <> according to the <> certificate <>. 25 as set out in the technical Construction File <> and judged positively by <> (Applied module <>). <>. Risk category <>. Also refer to next page.

- CE - ZJAWA O SKŁADNOSTI
CE - VASTAVILNA O SVORNOSTI
CE - VASTAVILNA O SVORNOSTI
CE - VASTAVILNA O SVORNOSTI
CE - VASTAVILNA O SVORNOSTI
CE - VASTAVILNA O SVORNOSTI

- 17 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 18 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 19 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 20 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 21 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 22 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 23 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 24 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 25 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 26 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40.

- 18 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 19 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 20 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 21 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 22 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 23 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 24 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 25 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40. 26 06 deklarije na vlastnu odgovornost, da modelima klimatisatora, k čijim se odnosi ova deklaracija, udovoljava zahtevima standarda EN 60335-2-40.

- 01 Directies, met name van toerang. 18 Directievoor, als amendamentele respectieve. 02 Directies, met name van toerang. 19 Directie voor, als amendamentele respectieve. 03 Directies, met name van toerang. 20 Directie voor, als amendamentele respectieve. 04 Richtlijn, zoals genoemd. 21 Directie van toerang, zoals genoemd. 05 Directies, met name van toerang. 22 Directie van toerang, zoals genoemd. 06 Directies, met name van toerang. 23 Directie van toerang, zoals genoemd. 07 Orisjav, s tim dodatnim izjavama. 16 Iravjaja (ek) is nosilac odgovornosti. 08 Directies, met name van toerang. 17 z dodatnim izjavama. 09 Directies, met name van toerang. 20 Directies, met name van toerang. 21 Directies, met name van toerang. 22 Directies, met name van toerang. 23 Directies, met name van toerang. 24 Directies, met name van toerang. 25 Directies, met name van toerang. 26 Directies, met name van toerang.

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01 01 continuation of previous page:
02 02 Fortsetzung der vorherigen Seite:
03 03 suite de la page précédente:
04 04 vervolg van vorige pagina:

05 05 continuation de la página anterior:
06 06 Fortsetzung der vorherigen Seite:
07 07 anviljeva om tyn "proyolovetn" stranic:
11 11 fortsetting från föregående sida:

01 01 Maximum allowable pressure (PS): <P> (bar)
02 02 Maximum allowable temperature (TS):
03 03 Minimum temperature at low pressure side <L> (°C)
04 04 Saturated temperature corresponding with the maximum allowable pressure (PS): <P> (bar)
05 05 Refrigerant: <R>
06 06 Setting of pressure safety device: <P> (bar)
07 07 Manufacturing number and manufacturing year: refer to model nameplate
08 08 Maximum zulassung Druck (PS): <P> (bar)
09 09 Minimum zulassung Temperatur (TS):
10 10 Mindesttemperatur auf der Niederdruckseite: <L> (°C)
11 11 Sättigungstemperatur bei dem maximal zulässigen Druck (PS) entspricht: <P> (bar)
12 12 Kältemittel: <R>
13 13 Einstellung der Druck-Schutzvorrichtung: <P> (bar)
14 14 Herstellerungsnummer und Herstellungsjahr: siehe Typenschild des Modells

03 03 Temperatura máxima admise (PS): <P> (bar)
04 04 Temperatura mínima admise (TS):
05 05 Temperatura mínima cdté bassa pressione: <L> (°C)
06 06 Temperatura saturación correspondiente a la presión máxima admisa (PS): <P> (bar)
07 07 Refrigerante: <R>
08 08 Configuración de dispositivo de seguridad de presión: <P> (bar)
09 09 Número de fabricación y año de fabricación: se refiere a la pequeña señalización del modelo
10 10 Número máximo de fabricación y año de fabricación: se refiere a la pequeña señalización del modelo
11 11 Temperatura máxima de trabajo (PS): <P> (bar)
12 12 Temperatura mínima de trabajo (TS):
13 13 Temperatura mínima de trabajo a baja presión: <L> (°C)
14 14 Temperatura saturación correspondiente a la presión máxima admisa (PS): <P> (bar)
15 15 Refrigerante: <R>
16 16 Configuración de dispositivo de seguridad de presión: <P> (bar)
17 17 Número de serie y año de fabricación: consulte la placa de especificaciones del modelo
18 18 Número de fabricación y año de fabricación: consulte la placa de especificaciones del modelo
19 19 Temperatura máxima admisible (PS): <P> (bar)
20 20 Temperatura mínima admisible (TS):
21 21 Temperatura mínima admisible a baja presión: <L> (°C)
22 22 Temperatura saturación correspondiente a la presión máxima admisible (PS): <P> (bar)
23 23 Refrigerante: <R>
24 24 Configuración de dispositivo de seguridad: <P> (bar)
25 25 Número de fabricación y año de fabricación: consulte la placa de especificaciones técnicas del modelo

05 05 Nome e indirizzo dell'Ente responsabile che ha trascritto la conformità
06 06 Druha osoba odgovorna za ovu deklaraciju: <D>
07 07 Druha osoba odgovorna za ovu deklaraciju: <D>
08 08 Druha osoba odgovorna za ovu deklaraciju: <D>
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CE-ΔΗΛΩΣΗ ΣΥΜΠΟΦΗΣ
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08 08 continuación de la página anterior:
09 09 Fortsetzung der vorherigen Seite:
10 10 suite de la page précédente:
11 11 anviljeva om tyn "proyolovetn" stranic:
12 12 fortsetting från föregående sida:

07 07 Προβλεπόμενες Στάθμες που τονώνονται με το οποίο συγχετίζη η δήλωση:
08 08 Especificaciones de proyecto dos modelos a que se aplica esta declaración:
09 09 Προβλεπόμενες Στάθμες που τονώνονται με το οποίο συγχετίζη η δήλωση:
10 10 Typespecificationer för de modeller som denna erklaring avser:
11 11 Dasprospektationen für de modeller som denna deklaration gäller:
12 12 Konstruktionsspezifikaioner für de modeller som berøres af denne deklarasjon:

10 10 Maks. tlaziti tyak (PS): <P> (bar)
11 11 Maks. tlaziti tyak (PS): <P> (bar)
12 12 Maks. tlaziti tyak (PS): <P> (bar)
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11 11 Maks. tlaziti tyak (PS): <P> (bar)
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25 25 Maks. tlaziti tyak (PS): <P> (bar)

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15 15 nastavak s prethodne stranice:
16 16 bytanie z predchozej strany:
17 17 bytanie z predchozej strany:
18 18 nastavak s prethodne stranice:

14 14 Specificacije dizajna modela, na koje se odnosi ova deklaracija:
15 15 Specificacije dizajna modela, na koje se odnosi ova deklaracija:
16 16 Specificacije dizajna modela, na koje se odnosi ova deklaracija:
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18 18 Specificacije dizajna modela, na koje se odnosi ova deklaracija:
19 19 Specificacije dizajna modela, na koje se odnosi ova deklaracija:

15 15 Najveći dopušten tlak (PS): <P> (bar)
16 16 Najveći dopušten tlak (PS): <P> (bar)
17 17 Najveći dopušten tlak (PS): <P> (bar)
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22 22 Najveći dopušten tlak (PS): <P> (bar)
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25 25 Najveći dopušten tlak (PS): <P> (bar)

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25 25 Najveći dopušten tlak (PS): <P> (bar)

15 15 Najveći dopušten tlak (PS): <P> (bar)
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24 24 Najveći dopušten tlak (PS): <P> (bar)
25 25 Najveći dopušten tlak (PS): <P> (bar)

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CE-ATILISTAS-DEKLARACIA
CE-VYHLASENÍ ZDOKUD
CE-YUJUNLUK-BEVAN

22 22 ankstesnis puslapis šķirnis:
23 23 iepriekšējais lapas turējums:
24 24 priekšējais lapas turējums:
25 25 iepriekšējais lapas turējums:

20 20 Deklaratoini ala kuuluvate mudelle disainispeafikatsioonid:
21 21 Doprovat smeyshoyu na modelno, za koro se otnosya deklaratsiya:
22 22 Konstruktsionnyye spetsifikatsionnyye modeli, kurye suslyazh s'ey deklaratsiyey:
23 23 To modelu dizaina spetsifikatsiya, iz kurayn atlezhaz s'ey deklaratsiyey:
24 24 Konstruktsionnyye spetsifikatsionnyye modeli, koroisho sa lyka toto vyhlashenie:
25 25 Bu bilidimnini ligiti odguy modelierni Tasarnm Ozheklirni:

24 24 Maximum allowed pressure (PS): <P> (bar)
25 25 Maximum allowed temperature (TS):
26 26 Minimum temperature at low pressure side: <L> (°C)
27 27 Saturated temperature corresponding to the maximum allowable pressure (PS): <P> (bar)
28 28 Refrigerant: <R>
29 29 Setting of pressure safety device: <P> (bar)
30 30 Manufacturing number and manufacturing year: refer to model nameplate
31 31 Maximum zulassung Druck (PS): <P> (bar)
32 32 Minimum zulassung Temperatur (TS):
33 33 Mindesttemperatur auf der Niederdruckseite: <L> (°C)
34 34 Sättigungstemperatur bei dem maximal zulässigen Druck (PS) entspricht: <P> (bar)
35 35 Kältemittel: <R>
36 36 Einstellung der Druck-Schutzvorrichtung: <P> (bar)
37 37 Herstellerungsnummer und Herstellungsjahr: siehe Typenschild des Modells

24 24 Maximum allowed pressure (PS): <P> (bar)
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27 27 Saturated temperature corresponding to the maximum allowable pressure (PS): <P> (bar)
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34 34 Sättigungstemperatur bei dem maximal zulässigen Druck (PS) entspricht: <P> (bar)
35 35 Kältemittel: <R>
36 36 Einstellung der Druck-Schutzvorrichtung: <P> (bar)
37 37 Herstellerungsnummer und Herstellungsjahr: siehe Typenschild des Modells

<K>	PS	41.5 bar
<L>	T Smin	-30 °C
<M>	T Smax	70 °C
<N>	R32	
<P>		41.5 bar

24 24 Názov a adresa certifikačného úradu, ktorý kvalifikáciu vydal:
25 25 Názov a adresa certifikačného úradu, ktorý kvalifikáciu vydal:
26 26 Názov a adresa certifikačného úradu, ktorý kvalifikáciu vydal:
27 27 Názov a adresa certifikačného úradu, ktorý kvalifikáciu vydal:
28 28 Názov a adresa certifikačného úradu, ktorý kvalifikáciu vydal:
29 29 Názov a adresa certifikačného úradu, ktorý kvalifikáciu vydal:
30 30 Názov a adresa certifikačného úradu, ktorý kvalifikáciu vydal:
31 31 Názov a adresa certifikačného úradu, ktorý kvalifikáciu vydal:
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33 33 Názov a adresa certifikačného úradu, ktorý kvalifikáciu vydal:
34 34 Názov a adresa certifikačného úradu, ktorý kvalifikáciu vydal:
35 35 Názov a adresa certifikačného úradu, ktorý kvalifikáciu vydal:
36 36 Názov a adresa certifikačného úradu, ktorý kvalifikáciu vydal:
37 37 Názov a adresa certifikačného úradu, ktorý kvalifikáciu vydal:

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

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

Hiromitsu Iwasaki
Director
Ostend, 1st of October 2019

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1 About the documentation

1.1 About this document

Target audience

Authorised installers



INFORMATION

This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.

Documentation set

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

- **General safety precautions:**
 - Safety instructions that you **MUST** read before installing
 - Format: Paper (in the box of the outdoor unit)
- **Outdoor unit installation manual:**
 - Installation instructions
 - Format: Paper (in the box of the outdoor unit)
- **Installer reference guide:**
 - Preparation of the installation, reference data,...
 - Format: Digital files on <http://www.daikineurope.com/support-and-manuals/product-information/>

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

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

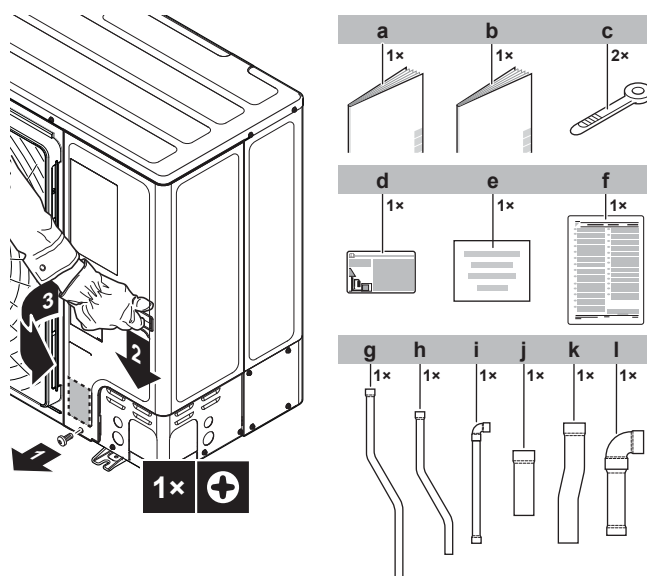
Technical engineering data

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

2 About the box

2.1 Outdoor unit

2.1.1 To remove the accessories from the outdoor unit



- a General safety precautions
- b Outdoor unit installation manual
- c Cable tie
- d Fluorinated greenhouse gases label
- e Additional refrigerant charge label
- f Addendum (LOT21)
- g Liquid line piping — long
- h Liquid line piping — short
- i Liquid line piping — bend
- j Gas line piping — short
- k Gas line piping — long
- l Gas line piping — bend

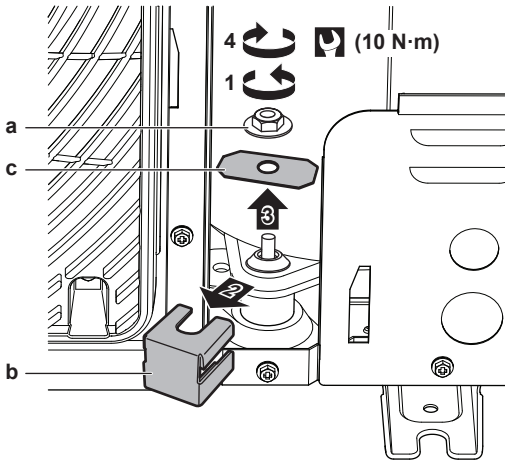
3 Preparation

2.2 To remove the transportation stay

NOTICE

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

The transportation stay protects the unit during transport. During installation it must be removed.



- a Nut
- b Transportation stay
- c Spacer

- 1 Remove the nut (a) of the compressor mounting bolt.
- 2 Remove and discard the transportation stay (b).
- 3 Remove and discard the spacer (c).
- 4 Re-install the nut (a) of the compressor mounting bolt and tighten to 10 N·m of torque.

3 Preparation

3.1 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).

3.1.1 Installation site requirements of the outdoor unit

Mind the spacing guidelines. See the "Technical data" chapter, and the figures on the inside of the front cover.

INFORMATION

The sound pressure level is less than 70 dBA.

CAUTION

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

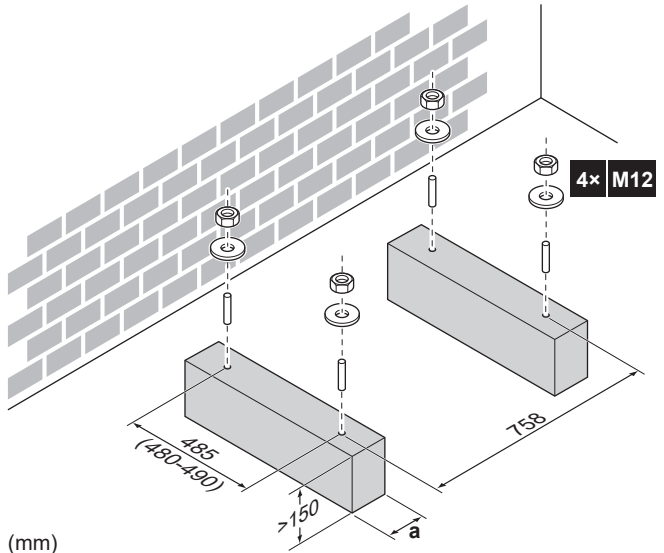
This unit, both indoor and outdoor, is suitable for installation in a commercial and light industrial environment.

4 Installation

4.1 Mounting the outdoor unit

4.1.1 To provide the installation structure

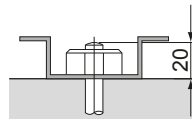
Prepare 4 sets of anchor bolts, nuts and washers (field supply) as follows:



- a Make sure not to cover the drain holes of the bottom plate of the unit.

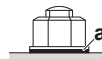
INFORMATION

The recommended height of the upper protruding part of the bolts is 20 mm.

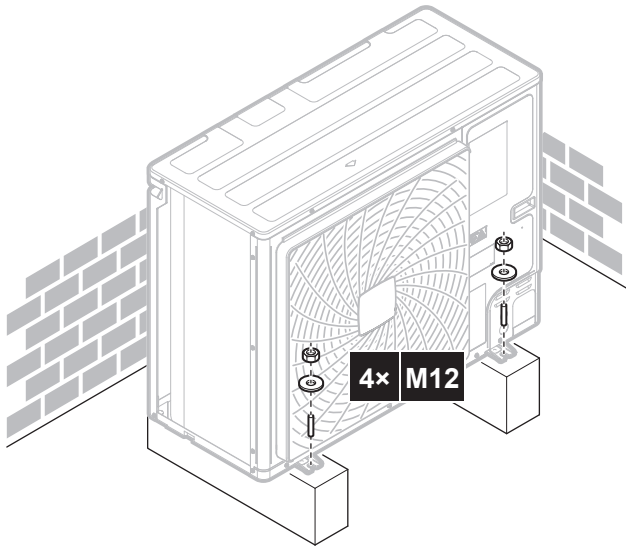


NOTICE

Fix the outdoor unit to the foundation bolts using nuts with resin washers (a). If the coating on the fastening area is stripped off, the metal can rust easily.



4.1.2 To install the outdoor unit



4.1.3 To provide drainage

i INFORMATION

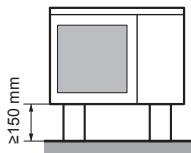
If necessary, you can use a drain pan (field supply) to prevent drain water from dripping.

! NOTICE

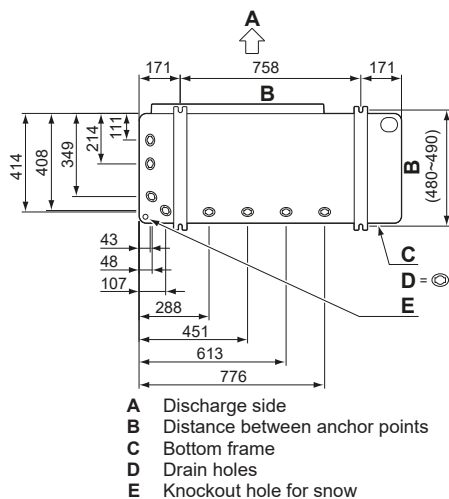
If the unit CANNOT be installed fully level, always make sure that the inclination is towards the backside of the unit. This is required to guarantee proper drainage.

! 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.



Drain holes (dimensions in mm)



Snow

In regions with snowfall, snow might build up and freeze between the heat exchanger and the casing of the unit. This might decrease the operating efficiency.

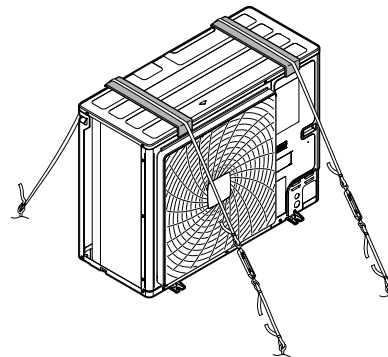
i INFORMATION

We suggest to install the optional bottom plate heater (EKBP250D7) when the unit is installed in cold climates.

4.1.4 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 and tighten them.



4.2 Connecting the refrigerant piping



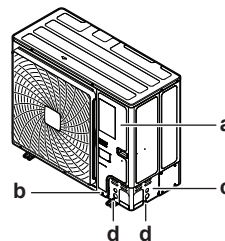
DANGER: RISK OF BURNING

4.2.1 To connect the refrigerant piping to the outdoor unit

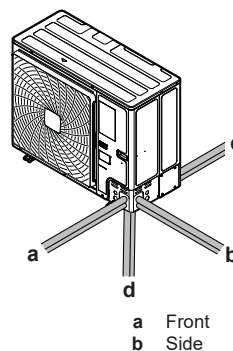
- **Piping length.** Keep field piping as short as possible.
- **Piping protection.** Protect the field piping against physical damage.

1 Do the following:

- Remove the service cover (a) with screw (b).
- Remove the piping intake plate (c) with screws (d).



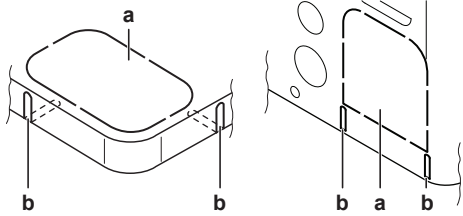
2 Choose a piping route (a, b, c or d).



4 Installation

c Rear
d Bottom

INFORMATION



- Remove the knockout hole (a) in the bottom plate or cover plate by tapping on the attachment points with a flat head screwdriver and a hammer.
- Optionally, cut out the slits (b) with a metal saw.

NOTICE

Precautions when making knockout holes:

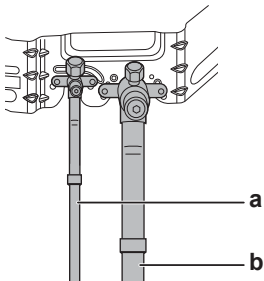
- Avoid damaging the casing and underlying piping.
- After making the knockout holes, we recommend to remove the burrs and paint the edges and areas around the edges using repair paint to prevent rusting.
- When passing electrical wiring through the knockout holes, wrap the wiring with protective tape to prevent damage.

3 Select the correct accessory pipes, depending on the chosen route:

- Front, side and rear route: **short** liquid and gas pipes.
- Bottom route: **long** liquid and gas pipes.

4 Do the following:

- Connect the accessory liquid pipe (a) to the liquid stop valve (brazing).
- Connect the accessory gas pipe (b) to the gas stop valve (brazing).



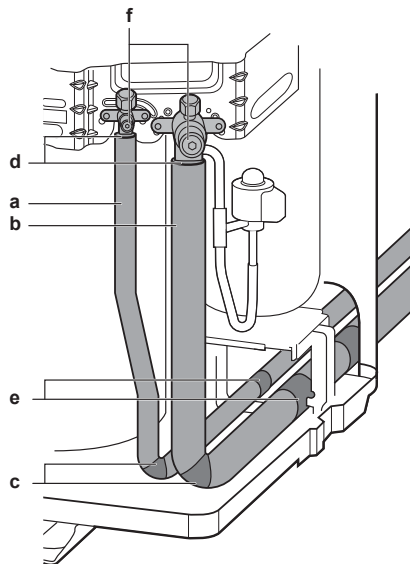
5 Connect the field piping to the accessory pipes using the accessory bend pipes (brazing). Mind the orientation of the bends.

NOTICE

Always protect the surrounding surfaces (e.g. wiring, insulation foam, ...) from heat when brazing.

6 Do the following:

- Insulate the liquid piping (a) and the gas piping (b).
- Wind heat insulation around the curves, and then cover it with vinyl tape (c).
- Make sure the field piping does not touch any compressor components.
- Seal the insulation ends (sealant etc.) (d).
- Wrap the field piping with vinyl tape (e) to protect it against sharp edges



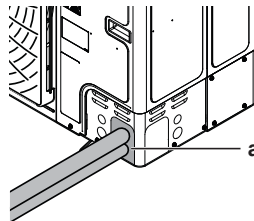
7 If the outdoor unit is installed above the indoor unit, cover the stop valves (f, see above) with sealing material to prevent condensed water on the stop valves from moving to the indoor unit.

NOTICE

Any exposed piping might cause condensation.

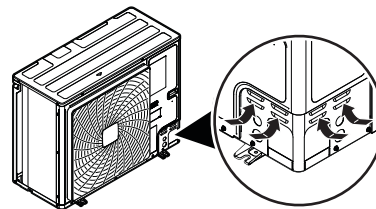
8 Reattach the service cover and the piping intake plate.

9 Seal all gaps (example: a) to prevent snow and small animals from entering the system.



NOTICE

Do not block the air vents. This could affect air circulation inside the unit.



WARNING

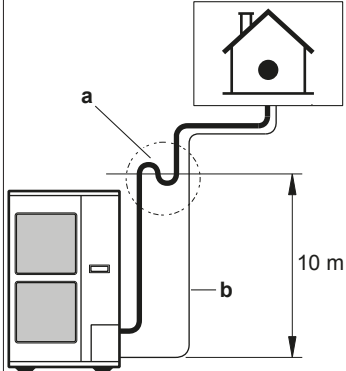
Provide adequate measures to prevent that the unit can be used as a shelter by small animals. Small animals that make contact with electrical parts can cause malfunctions, smoke or fire.

NOTICE

Make sure to open the stop valves after installing the refrigerant piping and performing vacuum drying. Running the system with the stop valves closed may break the compressor.

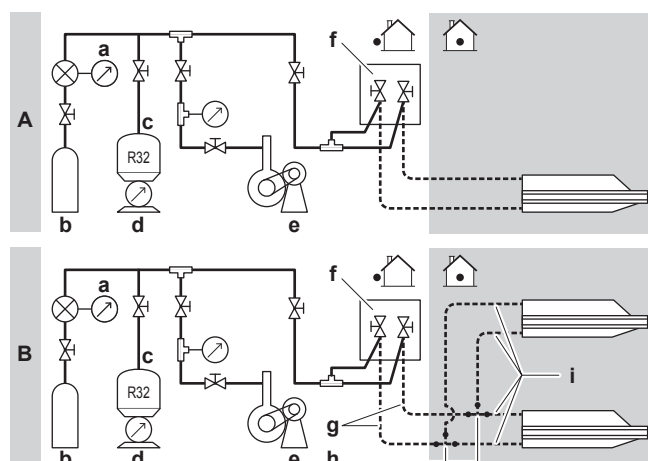
4.2.2 To determine if oil traps are required

If oil flows back into the outdoor unit's compressor, this might cause liquid compression or deterioration of oil return. Oil traps in the rising gas piping can prevent this.

If	Then
The indoor unit is installed higher than the outdoor unit	Install an oil trap every 10 m (height difference).  a Rising gas piping with oil trap b Liquid piping
The outdoor unit is installed higher than the indoor unit	Oil traps are NOT required.

4.3 Checking the refrigerant piping

4.3.1 Checking refrigerant piping: Setup



- A** Setup in case of pair
- B** Setup in case of twin
- a** Pressure gauge
- b** Nitrogen
- c** Refrigerant
- d** Weighing scale
- e** Vacuum pump
- f** Stop valve
- g** Main piping
- h** Refrigerant branch kit
- i** Branch piping

4.3.2 To check for leaks: Pressure leak test

- 1 Test for leaks by applying a bubble test solution to all piping connections.
- 2 Discharge all nitrogen gas.

NOTICE

Make sure to use a recommended bubble test solution from your wholesaler. Do not use soap water, which may cause cracking of flare nuts (soap water may contain salt, which absorbs moisture that will freeze when the piping gets cold), and/or lead to corrosion of flared joints (soap water may contain ammonia which causes a corrosive effect between the brass flare nut and the copper flare).

4.3.3 To perform vacuum drying

To remove all moisture from the system, proceed as follows:

- 1 Check that, with the vacuum pump turned off, the target vacuum is maintained for at least 1 hour.

4.4 Charging refrigerant

4.4.1 About charging refrigerant

The outdoor unit is factory charged with refrigerant, but in some cases the following might be necessary:

What	When
Charging additional refrigerant	When the total liquid piping length is more than specified (see later).
Completely recharging refrigerant	Example: <ul style="list-style-type: none"> ▪ When relocating the system. ▪ After a leak.

Charging additional refrigerant

Before charging additional refrigerant, make sure the outdoor unit's **external** refrigerant piping is checked (leak test, vacuum drying).

INFORMATION

Depending on the units and/or the installation conditions, it might be necessary to connect electrical wiring before you can charge refrigerant.

Typical workflow – Charging additional refrigerant typically consists of the following stages:

- 1 Determining if and how much you have to charge additionally.
- 2 If necessary, charging additional refrigerant.
- 3 Filling in the fluorinated greenhouse gases label, and fixing it to the inside of the outdoor unit.

Completely recharging refrigerant

Before completely recharging refrigerant, make sure the following is done:

- 1 All refrigerant is recovered from the system.
- 2 The outdoor unit's **external** refrigerant piping is checked (leak test, vacuum drying).
- 3 Vacuum drying on the outdoor unit's **internal** refrigerant piping is performed.

NOTICE

Before completely recharging, perform vacuum drying on the outdoor unit's **internal** refrigerant piping as well.

4 Installation

NOTICE

To perform vacuum drying or a complete recharge of the outdoor unit's internal refrigerant piping it is necessary to activate the vacuum mode (see "To activate/deactivate the vacuum mode field setting" [▶ 12]) which will open required valves in the refrigerant circuit so the vacuuming process or recharge of refrigerant can be done properly.

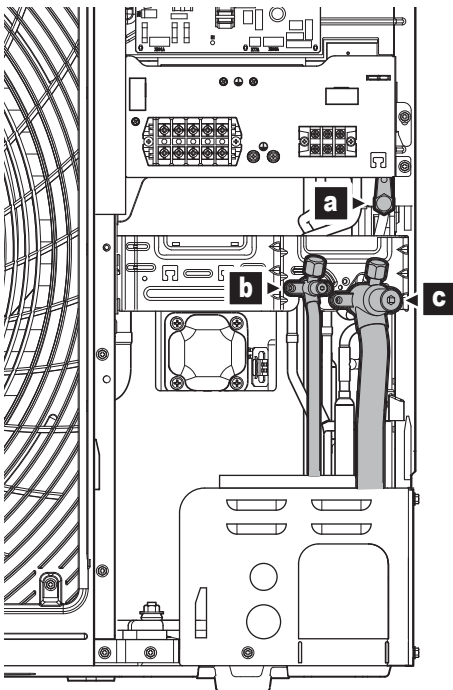
- Before vacuum drying or recharging, activate field setting "vacuum mode".
- After finishing vacuum drying or recharging, deactivate field setting "vacuum mode".

WARNING

Some sections of the refrigerant circuit may be isolated from other sections caused by components with specific functions (e.g. valves). The refrigerant circuit therefore features additional service ports for vacuuming, pressure relief or pressurizing the circuit.

In case it is required to perform **brazing** on the unit, ensure that there is no pressure remaining inside the unit. Internal pressures need to be released with ALL the service ports indicated on the figures below opened. The location is depending on model type.

Location of service ports:



- a Internal service port
- b Stop valve with service port (liquid)
- c Stop valve with service port (gas)

Typical workflow – Completely recharging refrigerant typically consists of the following stages:

- 1 Determining how much refrigerant to charge.
- 2 Charging refrigerant.
- 3 Filling in the fluorinated greenhouse gases label, and fixing it to the inside of the outdoor unit.

4.4.2 About the refrigerant

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

Refrigerant type: R32

Global warming potential (GWP) value: 675

WARNING: FLAMMABLE MATERIAL

The refrigerant inside this unit is mildly flammable.

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).

WARNING

- Do NOT pierce or burn refrigerant cycle parts.
- Do NOT use cleaning materials or means to accelerate the defrosting process other than those recommended by the manufacturer.
- Be aware that the refrigerant inside the system is odourless.

WARNING

The refrigerant inside the unit is mildly flammable, but normally does NOT leak. If the refrigerant leaks in the room and comes in contact with fire from a burner, a heater, or a cooker, this may result in fire, or the formation of a harmful gas.

Turn off any combustible heating devices, ventilate the room, and contact the dealer where you purchased the unit.

Do NOT use the unit until a service person confirms that the part from which the refrigerant leaked has been repaired.

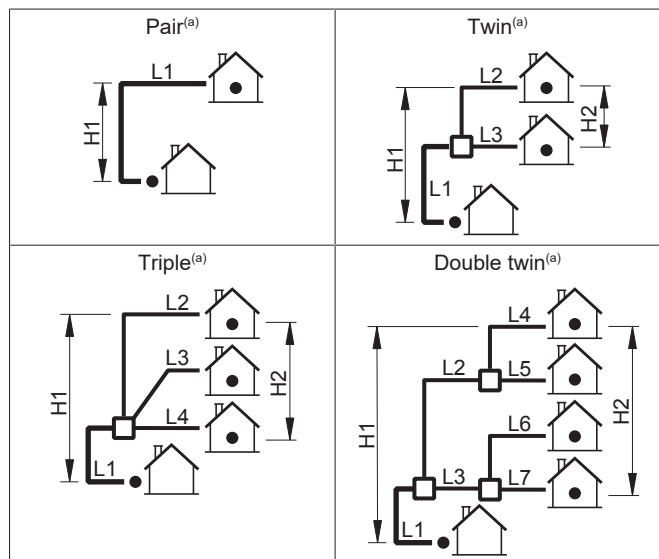
4.4.3 Precautions when charging refrigerant

INFORMATION

Also read the precautions and requirements in the following chapters:

- General safety precautions
- Preparation

4.4.4 Definitions: L1~L7, H1, H2



(a) Assume that the longest line in the illustration corresponds with the actual longest pipe, and the highest unit in the illustration corresponds with the actual highest unit.

- L1 Main piping
- L2~L7 Branch piping
- H1 Height difference between the highest indoor unit and the outdoor unit

- H2 Height difference between the highest and the lowest indoor unit
- Refrigerant branch kit

4.4.5 Charging additional refrigerant

To determine the additional refrigerant amount

To determine if adding additional refrigerant is necessary

Chargeless length	
Ø standard	30 m
Ø size-up of gas piping	30 m
Ø size-up of liquid piping	20 m

If	Then
$(L1+L2+L3+L4+L5+L6+L7) \leq$ chargeless length	You do not have to add additional refrigerant.
$(L1+L2+L3+L4+L5+L6+L7) >$ chargeless length	You must add additional refrigerant. For future servicing, encircle the selected amount in the tables below.



INFORMATION

Piping length is the largest one-way length of liquid piping.

To determine the additional refrigerant amount (R in kg) (in case of pair)

Standard piping size:

Standard piping size							
L1:	30~40	40~50	50~60	60~70	70~80	80~90	90~100
R:	0.45	0.9	1.35	1.8	2.25	2.7	3.15

Size-up piping size:

Size-up piping size						
L1:	20~25	25~30	30~35	35~40	40~45	40~45
R:	0.35	0.7	1.05	1.4	1.75	2.1

To determine the additional refrigerant amount (R in kg) (in case of twin, triple and double twin)

1 Determine G1 and G2.

G1 (m)	Total length of <x> liquid piping x=Ø9.5 mm (standard) x=Ø12.7 mm (size-up)
G2 (m)	Total length of Ø6.4 mm liquid piping

2 Determine R1 and R2.

If	Then
$G1 > 30 \text{ m}^{(a)}$	Use the table below to determine R1 (length= $G1-30 \text{ m}^{(a)}$) and R2 (length= $G2$).
$G1 \leq 30 \text{ m}^{(a)}$ (and $G1+G2 > 30 \text{ m}^{(a)}$)	R1=0.0 kg. Use the table below to determine R2 (length= $G1+G2-30 \text{ m}^{(a)}$).

(a) In case of size-up: replace 30 m by 20 m.

Standard liquid pipe size							
	Length (m)						
	0~10	10~20	20~30	30~40	40~50	50~60	60~70
R1:	0.45	0.9	1.35	1.8	2.25	2.7	3.15

Standard liquid pipe size							
	Length (m)						
	0~10	10~20	20~30	30~40	40~50	50~60	60~70
R2:	0.2	0.4	0.6	0.8	1	1.2	1.4

Size-up liquid pipe size						
	Length (m)					
	0~5	5~10	10~15	15~20	20~25	25~30
R1:	0.35	0.7	1.05	1.1	1.75	2.1
R2:	0.18	0.35	0.53	0.7	0.88	1.05

3 Determine the additional refrigerant amount: $R=R1+R2$.

Examples

Layout	Additional refrigerant amount (R)	
	Case: Twin, standard liquid pipe size	
	1	G1 Total Ø9.5 => $G1=35+7+5=47 \text{ m}$
	G2	Total Ø6.4 => $G2=0 \text{ m}$
	Case: $G1 > 30 \text{ m}$	
	R1	Length= $G1-30 \text{ m}=47-30 \text{ m}=17 \text{ m}$ => $R1=0.9 \text{ kg}$
	R2	Length= $G2=0 \text{ m}$ => $R2=0 \text{ kg}$
3	R	$R=R1+R2=0.9+0=0.9 \text{ kg}$
	Case: Triple, standard liquid pipe size	
	1	G1 Total Ø9.5 => $G1=5 \text{ m}$
	G2	Total Ø6.4 => $G2=10+17+17=44 \text{ m}$
	Case: $G1 \leq 30 \text{ m}$ (and $G1+G2 > 30 \text{ m}$)	
	R1	$R1=0.0 \text{ kg}$
	R2	Length= $G1+G2-30=5+44-30=19 \text{ m}$ => $R2=0.4 \text{ kg}$
3	R	$R=R1+R2=0.0+0.4=0.4 \text{ kg}$

Charging refrigerant: Setup

See "4.3.1 Checking refrigerant piping: Setup" [p.9].

To charge additional refrigerant



WARNING

- Only use R32 as refrigerant. Other substances may cause explosions and accidents.
- R32 contains fluorinated greenhouse gases. Its global warming potential (GWP) value is 675. Do NOT vent these gases into the atmosphere.
- When charging refrigerant, ALWAYS use protective gloves and safety glasses.

Prerequisite: Before charging refrigerant, make sure the refrigerant piping is connected and checked (leak test and vacuum drying).

- 1 Connect the refrigerant cylinder to both the service port of the gas stop valve and the service port of the liquid stop valve.
- 2 Charge the additional refrigerant amount.
- 3 Open the stop valves.

4.4.6 Completely recharging refrigerant

To determine the complete recharge amount

For the complete charging amount refer to the additional refrigerant charge sticker mounted on the unit.

4 Installation

To activate/deactivate the vacuum mode field setting

Description

To perform vacuum drying or a complete recharge of the outdoor unit's internal refrigerant piping it is necessary to activate the vacuum mode which will open required valves in the refrigerant circuit so the vacuuming process or recharge of refrigerant can be done properly.

To activate vacuum mode:

Activating the vacuum mode is done by operating the push buttons BS* on the PCB (A1P) and reading the feedback from the 7-segment displays.

Operate the switches and push buttons with an insulated stick (such as a closed ball-point pen) to avoid touching of live parts.



- 1 When the unit is powered on and not running, hold down the BS1 pushbutton for 5 seconds.
Result: You will reach the setting mode, the 7 segment display will show '2 0 0'.
- 2 Press the BS2 button until you reach page 2-17.
- 3 When 2-17 is reached, press the BS3 button once.
- 4 Change the setting to '2' by pressing the BS2 button once .
- 5 Push the BS3 button once.
- 6 When the display is not blinking anymore, press the BS3 button again to activate vacuum mode.

To deactivate vacuum mode:

After charging or vacuuming the unit, please deactivate the vacuum mode:

- 7 Press the BS2 button until you reach page 2-17.
- 8 When 2-17 is reached, press the BS3 button once.
- 9 Change the setting to '1' by pressing the BS2 button once.
- 10 Push the BS3 button once.
- 11 When the display is not blinking anymore, press the BS3 button again to deactivate vacuum mode.
- 12 Press the BS1 button to leave the setting mode.

Make sure to reattach the electronic component box cover and to install the front cover after the job is finished.



NOTICE

Make sure that all outside panels, except for the service cover on the electrical component box, are closed while working.

Close the lid of the electrical component box firmly before turning on the power.

Charging refrigerant: Setup

See "4.3.1 Checking refrigerant piping: Setup" [p 9].

To completely recharge refrigerant



WARNING

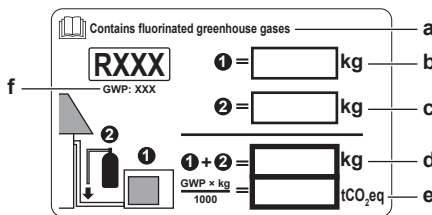
- Only use R32 as refrigerant. Other substances may cause explosions and accidents.
- R32 contains fluorinated greenhouse gases. Its global warming potential (GWP) value is 675. Do NOT vent these gases into the atmosphere.
- When charging refrigerant, ALWAYS use protective gloves and safety glasses.

Prerequisite: Before completely recharging refrigerant, make sure the system is pumped down, the outdoor unit's **external** refrigerant piping is checked (leak test, vacuum drying) and vacuum drying on the outdoor unit's **internal** refrigerant piping is performed.

- 1 If not already done (for vacuum drying of the unit), activate the vacuum mode (see "To activate/deactivate the vacuum mode field setting" [p 12])
- 2 Connect the refrigerant cylinder to the service port of the liquid stop valve.
- 3 Open the liquid stop valve.
- 4 Charge the complete refrigerant amount.
- 5 Deactivate the vacuum mode (see "To activate/deactivate the vacuum mode field setting" [p 12]).
- 6 Open the gas stop valve.

4.4.7 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 Factory refrigerant charge: see unit name plate
- c Additional refrigerant amount charged
- d Total refrigerant charge
- e **Quantity of fluorinated greenhouse gases** of the total refrigerant charge expressed as tonnes CO₂ equivalent.
- f 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 CO₂ equivalent.

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

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

- 2 Fix the label on the inside of the outdoor unit. There is a dedicated place for it on the wiring diagram label.

4.5 Connecting the electrical wiring



DANGER: RISK OF ELECTROCUTION



WARNING

ALWAYS use multicore cable for power supply cables.



CAUTION

For use of units in applications with temperature alarm settings it is recommended to foresee a delay of 10 minutes for signalling the alarm in case the alarm temperature is exceeded. The unit may stop for several minutes during normal operation for "defrosting the unit", or when in "thermostat stop" operation.

4.5.1 About electrical compliance

Equipment complying with:

- EN/IEC 61000-3-12 provided that the short-circuit power S_{sc} is greater than or equal to the minimum S_{sc} value at the interface point between the user's supply and the public system.
- 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.
- It is the responsibility of the installer or user of the equipment to ensure, by consultation with the distribution network operator if necessary, that the equipment is connected only to a supply with a short-circuit power S_{sc} greater than or equal to the minimum S_{sc} value.

Model	Minimum S_{sc} value
RZA200D7Y1B	2169 kVA
RZA250D7Y1B	2169 kVA

4.5.2 Specifications of standard wiring components

Component		RZA200	RZA250
Power supply cable	MCA ^(a)	18.6 A	19.9 A
	Voltage range	380~415 V	
	Phase	3N~	
	Frequency	50 Hz	
	Wire sizes	Must comply with applicable legislation	
Interconnection cables		H05VV-U4G2.5	
Recommended field fuse		20 A	
Earth leakage circuit breaker		Must comply with applicable legislation	

^(a) MCA=Minimum circuit ampacity. Stated values are maximum values (see electrical data of combination with indoor units for exact values).

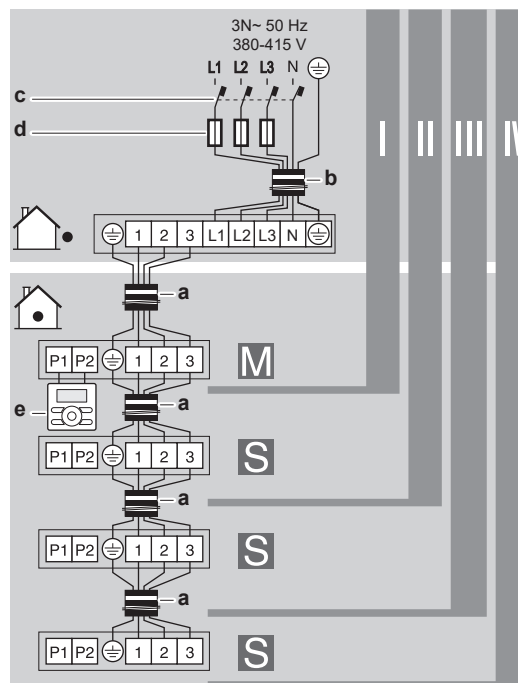
4.5.3 To connect the electrical wiring on the outdoor unit



NOTICE

- Follow the wiring diagram (delivered with the unit, located at the inside of the service cover).
- Make sure the electrical wiring does NOT obstruct proper reattachment of the service cover.

- Remove the service cover.
- Connect the interconnection cables and power supply as follows:

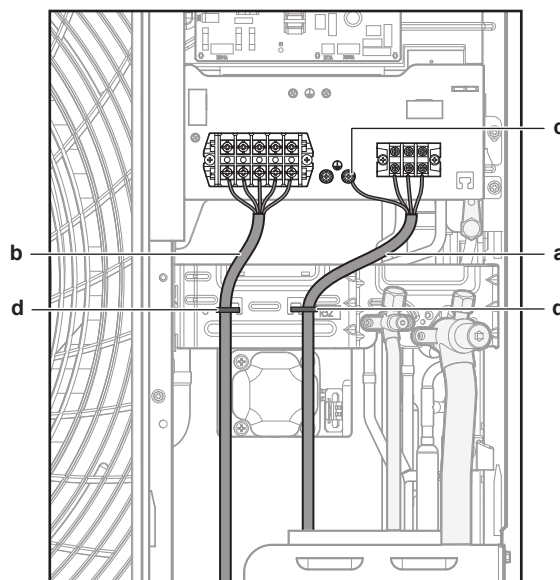


- I, II, III, IV Pair, twin, triple, double twin
- M, S Master, slave
- a Interconnection cables
- b Power supply cable
- c Earth leakage circuit breaker
- d Fuse
- e User interface



INFORMATION

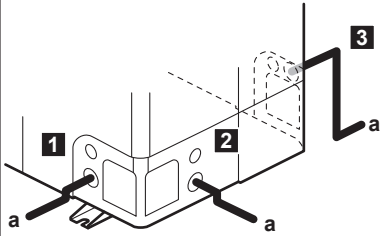
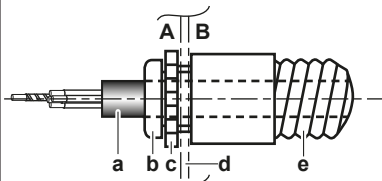
Some indoor units may need a separate power supply in order to guarantee maximum capacity. See the installation manual of the indoor unit.



- a Interconnection cable
- b Power supply cable
- c Earth
- d Cable tie

- Fix the cables (power supply and interconnection cable) with a cable tie to the stop valve attachment plate and route the wiring according to the illustration above.
- Choose a knockout hole and remove the knockout hole by tapping on the attachment points with a flat head screwdriver and a hammer.
- Route the wiring through the frame and connect the wiring to the frame at the knockout hole.

5 Commissioning

<p>Routing through the frame</p>	<p>Choose one of the 3 possibilities:</p>  <p>a Power supply cable</p> <p>Note: Route the interconnection cable together with the refrigerant piping. See "4.6.1 To finish the outdoor unit installation" [p 14].</p>
<p>Connecting to the frame</p>	<p>When cables are routed from the unit, a protection sleeve for the conduits (PG insertions) can be inserted at the knockout hole.</p> <p>When you do not use a wire conduit, protect the wires with vinyl tubes to prevent the edge of the knockout hole from cutting the wires.</p>  <p>A Inside of the outdoor unit B Outside of the outdoor unit</p> <p>a Wire b Bush c Nut d Frame e Hose</p>

! NOTICE

Precautions when making knockout holes:

- Avoid damaging the casing and underlying piping.
- After making the knockout holes, we recommend to remove the burrs and paint the edges and areas around the edges using repair paint to prevent rusting.
- When passing electrical wiring through the knockout holes, wrap the wiring with protective tape to prevent damage.

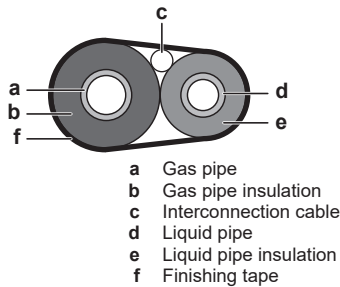
6 Reattach the service cover.

7 Connect an earth leakage circuit breaker and fuse to the power supply line.

4.6 Finishing the outdoor unit installation

4.6.1 To finish the outdoor unit installation

1 Insulate and fix the refrigerant piping and interconnection cable as follows:



2 Install the service cover.

4.6.2 To check the insulation resistance of the compressor

! NOTICE

If, after installation, refrigerant accumulates in the compressor, the insulation resistance over the poles can drop, but if it is at least 1 MΩ, then the unit will not break down.

- Use a 500 V mega-tester when measuring insulation.
- Do not use a mega-tester for low-voltage circuits.

1 Measure the insulation resistance over the poles.

If	Then
≥1 MΩ	Insulation resistance is OK. This procedure is finished.
<1 MΩ	Insulation resistance is not OK. Go to the next step.

2 Turn ON the power and leave it on for 6 hours.

Result: The compressor will heat up and evaporate any refrigerant in the compressor.

3 Measure the insulation resistance again.

5 Commissioning

Please provide the eco design data according to (EU)2016/2281 to the customer. This data can be found in the installer reference guide or via the Daikin website.

! NOTICE

General commissioning checklist. Next to the commissioning instructions in this chapter, a general commissioning checklist is also available on the Daikin Business Portal (authentication required).

The general commissioning checklist is complementary to the instructions in this chapter and can be used as a guideline and reporting template during the commissioning and hand-over to the user.

! NOTICE

ALWAYS operate the unit with thermistors and/or pressure sensors/switches. If NOT, burning of the compressor might be the result.

5.1 Checklist before commissioning

After the installation of the unit, first check the items listed below. Once all checks are fulfilled, the unit must be closed. Power-up the unit after it is closed.

<input type="checkbox"/>	You read the complete installation instructions, as described in the installer reference guide .
<input type="checkbox"/>	The indoor units are properly mounted.

<input type="checkbox"/>	In case a wireless user interface is used: The indoor unit decoration panel with infrared receiver is installed.
<input type="checkbox"/>	The outdoor unit is properly mounted.
<input type="checkbox"/>	The following field wiring has been carried out according to this document and the applicable legislation: <ul style="list-style-type: none"> Between the local supply panel and the outdoor unit Between the outdoor unit and the indoor unit (master) Between the indoor units
<input type="checkbox"/>	There are NO missing phases or reversed phases .
<input type="checkbox"/>	The system is properly earthed and the earth terminals are tightened.
<input type="checkbox"/>	The fuses or locally installed protection devices are installed according to this document, and have NOT been bypassed.
<input type="checkbox"/>	The power supply voltage matches the voltage on the identification label of the unit.
<input type="checkbox"/>	There are NO loose connections or damaged electrical components in the switch box.
<input type="checkbox"/>	The insulation resistance of the compressor is OK.
<input type="checkbox"/>	There are NO damaged components or squeezed pipes on the inside of the indoor and outdoor units.
<input type="checkbox"/>	There are NO refrigerant leaks .
<input type="checkbox"/>	The correct pipe size is installed and the pipes are properly insulated.
<input type="checkbox"/>	The stop valves (gas and liquid) on the outdoor unit are fully open.

5.2 To perform a test run

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



NOTICE

Do not interrupt the test run.



INFORMATION

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

1 Perform introductory steps.

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

2 Start the test run

#	Action	Result
1	Go to the home menu.	

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

3 Check operation for 3 minutes.

4 Check operation of the airflow direction (only applicable for indoor units with swing flaps).

#	Action	Result
1	Press. 	
2	Select Position 0. 	
3	Change the position. 	If the airflow flap of the indoor unit moves, operation is OK. If not, operation is not OK.
4	Press. 	The home menu is displayed.

5 Stop the test run.

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

6 Disposal

5.3 Error codes when performing a test run

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

Error code	Possible cause
Nothing displayed (the currently set temperature is not displayed)	<ul style="list-style-type: none">▪ The wiring is disconnected or there is a wiring error (between power supply and outdoor unit, between outdoor unit and indoor units, between indoor unit and user interface).▪ The fuse on the outdoor unit PCB has blown out.
E3, E4 or L8	<ul style="list-style-type: none">▪ The stop valves are closed.▪ The air inlet or air outlet is blocked.
U1 or E7	There is a missing phase in case of three-phase power supply units. Note: Operation will be impossible. Turn OFF the power, recheck the wiring, and switch two of the three electrical wires.
L4	The air inlet or air outlet is blocked.
U0	The stop valves are closed.
U2	<ul style="list-style-type: none">▪ There is a voltage imbalance.▪ There is a missing phase in case of three-phase power supply units. Note: Operation will be impossible. Turn OFF the power, recheck the wiring, and switch two of the three electrical wires.
U4 or UF	The inter-unit branch wiring is not correct.
UA	The outdoor and indoor unit are incompatible.

6 Disposal

This unit uses hydrofluorocarbon. Contact your dealer when discarding this unit.



NOTICE

Do NOT try to dismantle the system yourself: dismantling of the system, treatment of the refrigerant, oil and other parts MUST comply with applicable legislation. Units MUST be treated at a specialised treatment facility for reuse, recycling and recovery.

7 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).

7.1 Service space: Outdoor unit

Suction side	In the illustrations below, the service space at the suction side is based on 35°C DB and cooling operation. Foresee more space in the following cases: <ul style="list-style-type: none"> When the suction side temperature regularly exceeds this temperature. When the heat load of the outdoor units is expected to regularly exceed the maximum operating capacity.
Discharge side	Take refrigerant piping work into account when positioning the units. If your layout does not match with any of the layouts below, contact your dealer.

Single unit (□) | Single row of units (←→)

Multiple rows of units (↙↘)

Stacked units (max. 2 levels) (↑↓)

See figure 1 on the inside of the front cover.

- (1) For better serviceability, use a distance ≥ 250 mm
- A,B,C,D** Obstacles (walls/baffle plates)
- E** 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
- H_B,H_D** Height of obstacles B and D
- 1** Seal the bottom of the installation frame to prevent discharged air from flowing back to the suction side through the bottom of the unit.
- 2** Maximum two units can be installed.
- ⊘ Not allowed

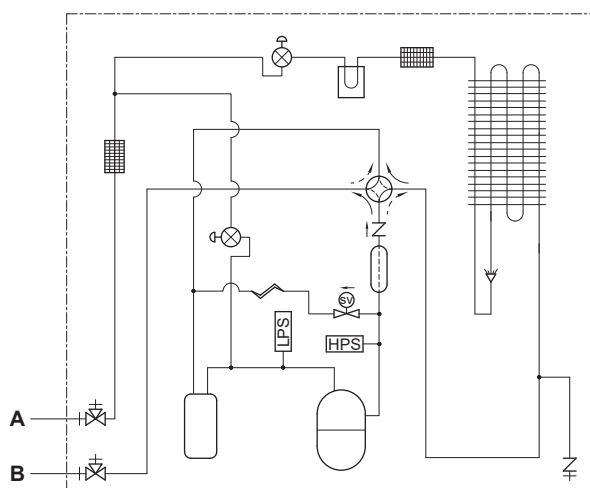
See figure 2 on the inside of the front cover.

- (1) For better serviceability, use a distance ≥ 250 mm

See figure 3 on the inside of the front cover.

- (1) For better serviceability, use a distance ≥ 250 mm
- A1⇒A2** (A1) If there is danger of drainage dripping and freezing between the upper and lower units...
(A2) Then install a **roof** between the upper and lower units. Install the upper unit high enough above the lower unit to prevent ice buildup at the upper unit's bottom plate.
- B1⇒B2** (B1) If there is no danger of drainage dripping and freezing between the upper and lower units...
(B2) Then it is not required to install a roof, but **seal the gap** between the upper and lower units to prevent discharged air from flowing back to the suction side through the bottom of the unit.

7.2 Piping diagram: Outdoor unit



- ⊕ Service port (with 5/16" flare)
- ⊕ Stop valve
- ⊕ Filter
- ⊕ Check valve
- ⊕ Muffer

- ⊕ Solenoid valve
- ⊕ PCB cooling
- ⊕ Capillary tube
- ⊕ Electronic expansion valve
- ⊕ 4-way valve
- ⊕ High pressure switch
- ⊕ Low pressure switch
- ⊕ Heat exchanger
- ⊕ Compressor
- ⊕ Distributor
- ⊕ Accumulator
- A** Field piping (liquid: $\varnothing 9.5$ mm pinched pipe)
- B** Field piping (gas: $\varnothing 25.4$ mm pinched pipe)
- Heating
- ← Cooling

7 Technical data

7.3 Wiring diagram: Outdoor unit

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




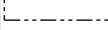
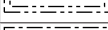


(1) Connection diagram

English	Translation
Connection diagram	Connection diagram
Only for ***	Only for ***
See note ***	See note ***
Outdoor	Outdoor
Indoor	Indoor
Upper EEV	Upper electronic expansion valve
Lower EEV	Lower electronic expansion valve
Fan	Fan
ON	ON
OFF	OFF

(2) Layout

English	Translation
Layout	Layout
Front	Front
Left	Left
Back	Back
Position of compressor terminal	Position of compressor terminal

(3) Notes

English	Translation
Notes	Notes
	Connection
X1M	Indoor/outdoor communication
-----	Earth wiring
-----	Field supply
	Protective earth
	Field wire
	Wiring depending on model
	Option
	Switch box
	PCB

NOTES:

- 1 Refer to the wiring diagram sticker (on the back of the front plate) for how to use the BS1~BS3 and DS1+DS2 switches.
- 2 When operating, do not short-circuit protective devices S1PH and S1PL.
- 3 Refer to the combination table and the option manual for how to connect the wiring to X6A, X15A and X77A.
- 4 Colours: BLK: black, RED: red, BLU: blue, WHT: white, GRN: green

(4) Legend

English	Translation
Legend	Legend
Optional	Optional
Part n°	Part n°
Description	Description

A1P	Printed circuit board (main)
A2P	Printed circuit board (noise filter)
A3P	Printed circuit board (inverter)

A4P	Printed circuit board (fan)
A5P	* Printed circuit board (demand)
C503, C506 C507 (A3P)	Capacitor
DS1,DS2 (A1P)	DIP switch
E1H	* Bottom plate heater
E1HC	Crankcase heater
F1U (A1P)	Fuse (T 3.15 A 250 V)
F8U, F9U	* Fuse (F)
F101U (A4P)	Fuse
F101U, F102U (A2P)	Fuse
F601U (A3P)	Fuse
HAP (A1P, A3P, A4P)	LED (service monitor is green)
K1R (A1P)	Magnetic relay (Y2S)
K3R (A3P)	Magnetic relay
K3R (A1P)	Magnetic relay (Y3S)
K5R (A1P)	Magnetic relay (E1HC)
K7R (A1P)	Magnetic relay (E1H)
L1R	Reactor
M1C	Compressor motor
M1F	Fan motor
PS (A1P,A3P)	Switching power supply
Q1DI	Earth leakage circuit breaker
Q1LD (A1P)	Earth current detector
R1T (A1P)	Thermistor (air)
R2T	Thermistor (discharge pipe)
R3T	Thermistor (suction pipe)
R4T	Thermistor (heat exchanger exit)
R5T	Thermistor (heat exchanger branch)
R6T	Thermistor (liquid pipe)
R7T	Thermistor (M1C body)
R24 (A4P)	Resistor (current sensor)
R300 (A3P)	Resistor (current sensor)
S1PH	High pressure switch
S1PL	Low pressure switch
SEG1~SEG3 (A1P)	7-segment display
T1A	Current sensor
V1D (A3P)	Diode
V1R (A3P, A4P)	Diode module
X*A	Connector
X*M	Terminal block
Y1E	Electronic expansion valve (main)
Y2E	Electronic expansion valve (injection)
Y2S	Solenoid valve (4-way valve)
Y3S	Solenoid valve (pressure equalization)
Z*C	Noise filter (ferrite core)
Z1F	Noise filter



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