

Product fiche



Manufacturer¹

LG Electronics Inc.

| Model Name | Refrigerant (kg) | t-CO ₂ eq |
|-------------|------------------|----------------------|
| HU051MR U44 | R32(1,5) | 1,013 |
| HU071MR U44 | R32(1,5) | 1,013 |
| HU091MR U44 | R32(1,5) | 1,013 |

* t-CO₂ eq = F-gas (kg) x GWP / 1000

GWP(Global warming potential)⁴

Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid, R32 with a GWP equal to 675. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be 675 times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional.

1 (EN) Supplier's name or trade mark **(BG)** име или търговска марка на доставчика **(ES)** Nombre o marca comercial del proveedor **(CZ)** název nebo ochranná známka dodavateľa **(DK)** Leverandørens navn eller varemerke **(DE)** Name oder Warenzeichen des Lieferanten **(EE)** tannja nimi või kaubamärk **(GR)** επωνυμία ή εμπορικό σήμα του προμηθευτή **(FR)** nom du fournisseur ou marque **(HR)** naziv ili zaštitni znak dobavljača **(IT)** nome o marchio del fornitore **(LV)** piegādātāja nosaukums vai preču zīme **(LT)** tiekėjo pavadinimas arba prekės ženklas **(HU)** a beszállító nevét vagy védjegyét **(MT)** isem il-fornitur jew il-marka kummerċiali **(NL)** naam van de leverancier of het handelsmerk **(PL)** nazwa dostawcy lub znak towarowy **(PT)** Nome do fornecedor ou marca registrada **(RO)** denumirea sau marca de comerț a furnizorului **(SK)** meno dodávateľa alebo jeho ochranná známka **(SL)** dobitateljevo ime ali blagovna znakma **(FI)** tavaramerkintäytävä nimi tai tavaramerki **(SE)** Leverantörens namn eller varumärke **(GA)** Ainh an tsoláthraí nó trádmharc **(SR)** Назив или заштитни знак добављача **(MK)** Име на снабдувачот или търговска марка **(NO)** Leverandørens navn eller varemerke **(SQ)** Emri i furnizuesit apo markës tregtare **(IS)** Nafn birkðasala og vörumerki **(BS)** Naziv ili zaštitni znak dobavljača

2 (EN) Model Name / (BG) Име на модела / (ES) Nombre del modelo / (CZ) Název modelu / (DK) Navn på model / (DE) Modellname / (EE) Mudeli nimetus / (GR) Όνομα μοντέλου / (FR) Nom du modèle / (HR) Naziv modela / (IT) Modello / (LV) Modelļa nosaukums / (LT) Modelis pavadinimas / (HU) Modellnév / (MT) Ismei tal-modell / (NL) Modelnaam / (PL) Nazwa modelu / (PT) Nome do Modelo / (RO) Nume model / (SK) Názov modelu / (SL) Naziv modela / (FI) Mallin nimi / (SE) Modellnamn / (GA) Ainh an Leagain / (SR) Naziv modela / (MK) Име на модел / (NO) Modellhavn / (SQ) Emri i modelit / (IS) Heiti teknik / (RS) Naziv modela.

3 (EN) Refrigerant / (BG) Хладилен / (ES) Refrigerante / (CZ) Chladiva / (DK) kølemeddel / (DE) Kältemittel / (EE) külmutusaine / (GR) Φυσικού μέσου / (FR) réfrigérant / (HR) rashladnog / (IT) refrigerante / (LV) Aukstumažēnta / (LT) Šaldalo / (HU) hűtőközeg / (MT) refrigrerant / (NL) koelmiddel / (PL) chłodniczego / (PT) refrigerante / (RO) agent frigorific / (SK) chladiva / (SL) hladilno / (FI) Kyllämäinen / (SE) köldmedium / (GA) Cuisnéan / (SR) Раസућијам / (MK) Средство за даљене / (NO) Kjølemedium / (SO) Refrigerator / (IS) Kyläsiisti / (BS) Raspladilje.

4 (EN) Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to [xxx]. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be [xxx] times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a professional. / (DE) „Изпускането на хладилен агент допринася за изменението на климата. Хладилен агент с по-нисък потенциал за глобално затопляне (ГПЗ) би допринесъл по-малко за глобалното затопляне, отколкото хладилен агент с по-висок ГПЗ при евентуално изпускане в атмосферата. Настоящият уред съдържа хладилен агент с ГПЗ в размер на [xxx]. Това означава, че ако 1 kg от хладилния агент бъде изпуснат в атмосфера, взедействието за глобално затопляне ще бъде [xxx] пъти повече, отколкото от 1 kg CO₂ за период от 100 години. Никога не се опитвайте да се намесвате в работата на кръга на хладилния агент или сами да разглобявате уреда, а винаги се обръщайте към специалист.“ / (ES) Las fugas de refrigerante contribuyen al cambio climático. Cuanto mayor sea el potencial de calentamiento global (GWP) de un refrigerante, más contribuirá a dicho calentamiento si vertido a la atmósfera. Este aparato contiene un líquido refrigerante con un GWP igual a [xxx]. Esto significa que, si pasara a la atmósfera 1 kg de este líquido refrigerante, el impacto en el calentamiento global sería, a lo largo de un período de 100 años, [xxx] veces mayor que si se vertiera 1 kg de CO₂. Nunca intente intervenir en el circuito del refrigerante ni desmontar el aparato usted mismo; consulte siempre a un profesional. / (CZ) Unik chladivo se podíl na zrněné klimatu. Chladivo s nižším potenciálem globálního oteplovlání (GWP) by se v případě úniku do ovzduší podlelo na globálním oteplovlání méně než chladivo s vyšším GWP. Toto zařízení obsahuje chladící kapalinu s GWP ve výši [xxx]. To znamená, že pokud by do ovzduší unikl 1 kg této chladící kapaliny, dopad na globální oteplovlání byl v horizontu 100 let [xxx] krát výši než 1 kg CO₂. Nenarušujte chladicí oběh ani sami vyrábek nedemontujte, vždy se obráťte na odborníka. / (DK) »Kølemeddelstidslip medvirker til klimaforandringerne. Slipper kølemidlet ud i atmosfæren, bidrager det mindre til den globale opvarmning, hvis dets potentiale for global opvarmning (GWP) er lavt, end hvis det er højt. Dette apparat indeholder en kølevæske, hvis GWP-tal er [xxx]. Det betyder, at lækkes 1 kg af dette kølemiddel til atmosfæren, så vil det gennem en periode på 100 år bidrage [xxx] gange mere til den globale opvarmning end 1 kg CO₂. Prov aldrig at pille ved kølemiddelets løbelslot eller at skille produktet ad selv - overlad altid det til en fagmand.« / (DE) „Der Austret von Kältemittel trägt zum Klimawandel bei. Kältemittel mit geringerem Treibhauspotenzial tragen im Fall eines Austretens weniger zur Erderwärmung bei als solche mit höherem Treibhauspotenzial. Dieses Gerät enthält Kältemittel mit einem Treibhauspotenzial von [xxx]. Somit hätte ein Austreten von 1 kg dieses Kältemittels (xxx) Mal größere Auswirkungen auf die Erderwärmung als 1 kg CO₂, bezoogen auf hundert Jahre. Keine Arbeiten am Kältekreislauf vornehmen oder das Gerät zerlegen – fachsprachlich hinzuziehen.“



MBM65584327 (BEV01)

Annex (EN/BG/ES/CZ/DK/DE/EE/GR/FR/HR/IT/LV/LT/HU/MT/NL/PL/PT/RO/SK/SL/FI/SE/GA/SR/MK/NO/SQ/S/BS)  **LG Electronics**



Seasonal space heating energy efficiency of heat pump

Temperature control

From fiche of temperature control

 Class I = 1 %, Class II = 2 %, Class III = 1,5 %,
 Class IV = 2 %, Class V = 3 %, Class VI = 4 %,
 Class VII = 3,5 %, Class VIII = 5 %

 ① %
 + %

Supplementary boiler

From fiche of boiler

Seasonal space heating energy efficiency (in %)

$$(\text{ } \square \text{ } - 'I') \times 'II' = - \text{ } \square \text{ } \%$$

Solar contribution

From fiche of solar device

 Collector size
(in m²)

 Tank volume
(in m³)

 Collector efficiency
(in %)

 Tank rating
 A* = 0,95, A = 0,91,
 B = 0,86, C = 0,83,
 D-G = 0,81

$$('III' \times \square + 'IV' \times \square) \times 0,45 \times (\square /100) \times \square = + \square \%$$

 ② %
 + %

 ③ %
 - %

 ④ %
 + %

Seasonal space heating energy efficiency of package under average climate

 ⑤ %

Seasonal space heating energy efficiency class of package under average climate



< 30 % ≥ 30 % ≥ 34 % ≥ 36 % ≥ 75 % ≥ 82 % ≥ 90 % ≥ 98 % ≥ 125 % ≥ 150 %

Seasonal space heating energy efficiency under colder and warmer climate conditions

Colder:

 ⑥

 - 'V' = %

Warmer:

 ⑦

 + 'VI' = %

The energy efficiency of the package of products provided for in this fiche may not correspond to its actual energy efficiency once installed in a building, as the efficiency is influenced by further factors such as heat loss in the distribution system and the dimensioning of the products in relation to building size and characteristics.

| | I | II | III | IV | V | VI |
|------|------|------|------|------|-----|-----|
| 55°C | 126% | 0.02 | 4.46 | 1.74 | 34% | 40% |
| 35°C | 183% | 0.02 | 4.45 | 1.74 | 55% | 79% |

| | |
|---|---|
| Product Fiche | |
| 2 Supplier's name : LG Electronics | |
| 3 Model Name : HU091MR U44 / HN0916M NK4 HU091MR U44 / HN0911MR NKS | |
| 4 Seasonal space heating energy efficiency class | 35 °C 55 °C A+++ A++ |
| 5 Rated heat output : | kW ⁶ Average 35 °C 55 °C 6 6 |
| 6 Seasonal space heating energy efficiency : | % ⁷ Average 35 °C 55 °C 183 126 |
| 8 Annual energy consumption : | space heating ⁸ Average kWh 35 °C 55 °C IDU 2666 3837 |
| 9 Sound power level (LWA) : | dB 44 |
| 12 PRECAUTION | |
| 13 Contact the authorized service technician for repair or maintenance of this unit. | |
| 14 • Contact the installer for installation of this unit. | |
| 15 • AWHP is not intended for use by young children or invalids without supervision. | |
| 16 • Young children should be supervised to ensure that they do not play with AWHP. | |
| 17 • When the power cable is to be replaced, replacement work shall be performed by authorized personnel only using only genuine replacement parts. | |
| 18 • Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only. | |
| 6 Rated heat output : | kW ⁵ Colder ⁹ Warmer 35 °C 55 °C 35 °C 55 °C 8 7 7 9 |
| 7 Seasonal space heating energy efficiency : | % ⁵ Colder ⁹ Warmer 35 °C 55 °C 35 °C 55 °C 128 92 262 166 |
| 8 Annual energy consumption : | space heating ⁵ Colder ⁹ Warmer kWh 35 °C 55 °C 35 °C 55 °C IDU 2666 3837 |
| 9 Sound power level (LWA) : | dB 44 60 |
| 10 Water pump EEI's | 0.20 |
| 11 Temperature control | Class V Contribution (%) 3 |



14. (EN) - Kontakt the installer for installation of this unit. (BG) - Свържете с инсталатора за инсталация на този юнит. (DA) - Kontaktér med installatøren om installation af denne enhed. (DE) - Kontaktieren Sie den Monteur für die Montage dieser Einheit. (ES) - Póngase en contacto con el instalador para la instalación de esta unidad. (IT) - Contattate con l'installatore per la installazione di questa unità. (NL) - Neem contact op met de installateur voor de installatie van deze eenheid. (NO) - Kontaktér med installatøren for å installere denneheten. (PL) - Skontaktuj się z instalatorem w sprawie instalacji tej jednostki. (RO) - Contactați cu instalatorul pentru instalarea acestei unități. (SK) - Kontaktujte s instalátorm pre inštaláciu tejto jednotky. (SV) - Kontakta dinstallatören för att installera denna enhet. (TR) - Bu cihazı kurabilecek bir teknisyenle temas edin. (CS) - Kontaktujte instalátora pro instalaci této jednotky. (HU) - Körtesse meg az installátort a telepítésről. (PT) - Contacte o instalador para a instalação da unidade. (EL) - Επαφέστε με τον εγκαταστατή για την εγκατάσταση αυτής της προσθήκης. (HR) - Kontaktirajte se s instalatörom za postavljanje ovog modela. (SI) - Kontaktirajte se z namestnikom za namestitev tega modela. (MT) - Kontaktiżi l-istallatore għiex kien il-konċi u t-tarbiex ser-tnejha. (FI) - Ota yriti ykontakti l-instalatorex minn-hu. (CA) - Contactez l'installateur pour l'installation de cette unité. (AR) - اتصل بالInstaller لـ تثبيت هذه единица. (FA) - با مخاطب ایستالاتور را برای نصب این وحدت باشید. (KO) - 이 장치를 설치하는 데는 설치자를 통해 연락하세요. (VI) - Vui lòng liên hệ với nhà cung cấp để được lắp đặt. (TH) - กรุณาติดต่อผู้ติดตั้งเพื่อติดตั้งหน่วยนี้. (MS) - Sila hubungi pengeluaran untuk pemasangan unit ini. (ID) - Hubungi instalator untuk instalasi unit ini. (PH) - Kontakt the installer for installation of this unit. (BG) - Свържете с инсталатора за инсталация на този юнит. (DA) - Kontaktér med installatøren om installation af denne enhed. (DE) - Kontaktieren Sie den Monteur für die Montage dieser Einheit. (ES) - Póngase en contacto con el instalador para la instalación de esta unidad. (IT) - Contattate con l'installatore per la installazione di questa unità. (NL) - Neem contact op met de installateur voor de installatie van deze eenheid. (NO) - Kontaktér med installatøren for å installere denneheten. (PL) - Skontaktuj się z instalatorem w sprawie instalacji tej jednostki. (RO) - Contactați cu instalatorem pentru instalarea acestei unități. (SK) - Kontaktujte s instalátorm pre inštaláciu tejto jednotky. (SV) - Kontakta dinstallatören för att installera denna enhet. (TR) - Bu cihazı kurabilecek bir teknisyenle temas edin. (CS) - Kontaktujte instalátora pro instalaci této jednotky. (HU) - Körtesse meg az installátort a telepítésről. (PT) - Contacte o instalador para a instalação da unidade. (EL) - Επαφέστε με τον εγκαταστατή για την εγκατάσταση αυτής της προσθήκης. (HR) - Kontaktirajte se s instalatörom za postavljanje ovog modela. (SI) - Kontaktirajte se z namestnikom za namestitev tega modela. (MT) - Kontaktiżi l-istallatore minn-hu. (FI) - Ota yriti ykontakti l-instalatorex. (CA) - Contactez l'installateur pour l'installation de cette unité. (AR) - اتصل بالInstaller لـ تثبيت هذه единица. (FA) - با مخاطب ایستالاتور را برای نصب این وحدت باشید. (KO) - 이 장치를 설치하는 데는 설치자를 통해 연락하세요. (VI) - Vui lòng liên hệ với nhà cung cấp để được lắp đặt. (TH) - กรุณาติดต่อผู้ติดตั้งเพื่อติดตั้งหน่วยนี้. (MS) - Sila hubungi pengeluaran untuk pemasangan unit ini. (ID) - Hubungi instalator untuk instalasi unit ini. (PH) - Kontakt the installer for installation of this unit.

(15) (EW) Aanvraag om een geduldige behandeling te krijgen voor de behandeling van de ziekte of状況 (of andere medische toestand) die u niet kan verdragen en die u tegenover de behandelaar neigt te weigeren (of te weigeren te behandelen). (DE) Antrag um eine Geduldbehandlung zu erhalten, wenn Sie eine Erkrankung oder eine andere medizinische Verhältnis (oder andere medizinische Verhältnisse), die Sie nicht ertragen können und die Sie gegenüber dem Arzt ablehnen möchten (oder ablehnen möchten zu behandeln). (FR) Demande d'une prise en charge patiente pour la maladie ou la situation (ou autre état médical) que vous ne pouvez pas supporter et que vous refusez de faire face au praticien ou refusez de faire face à l'assistance. (ES) Requerimiento para una atención pacienta en el caso de enfermedad o situación (o condición médica) que no soporta y que rechaza hacer frente al profesional o rechaza hacer frente a la asistencia. (NL) Aanvraag om een geduldige behandeling te krijgen voor de behandeling van de ziekte of状況 (of andere medische toestand) die u niet kan verdragen en die u tegenover de behandelaar neigt te weigeren (of te weigeren te behandelen). (AT) Antrag um eine Geduldbehandlung zu erhalten, wenn Sie eine Erkrankung oder eine andere medizinische Verhältnis (oder andere medizinische Verhältnisse), die Sie nicht ertragen können und die Sie gegenüber dem Arzt ablehnen möchten (oder ablehnen möchten zu behandeln). (PT) Requerimento para uma assistência pacienta para a doença ou situação (ou outra condição médica) que não suporta e que rejeita fazer face ao profissional ou rejeita fazer face à assistência. (HU) Kérésés a kezelésben tünet (illetve más orvosi viszony) előtt, amelyet nem bírja el, és amelyet nem szeretne kezelni. (RO) Cerere pentru o tratare pacientă în cazul unei boala sau situație (sau altă stare medicală) care nu vă potrivește și căreia nu vă place să fiți tratată. (HR) Tražnja za pacijentnu primjedu u slučaju bolesti ili drugog stanja (ili drugog liječničkog položaja) koju ne možete dobiti i koju ne želite liječiti.

maison bénin et évaluer les besoins (T1). Ainsi, au préalable, quatre auditeurs étaient nommés et placés dans la maison bénin pour être en mesure de faire un audit à l'issue de la visite. L'audit a été effectué par deux personnes, une femme et un homme, qui ont été formées à l'audit par le personnel de la maison bénin. Les deux personnes qui ont effectué l'audit étaient toutes deux diplômées en sciences humaines et avaient une expérience dans l'audit et la gestion des organisations. L'audit a été effectué en deux étapes : une première étape consistant à recueillir des informations sur la situation actuelle de la maison bénin et une seconde étape consistant à recommander des améliorations pour améliorer la performance de la maison bénin. L'audit a été effectué en deux étapes : une première étape consistant à recueillir des informations sur la situation actuelle de la maison bénin et une seconde étape consistant à recommander des améliorations pour améliorer la performance de la maison bénin.

Annex (EN/BS/CS/CD/DE/ET/EU/FR/GA/HR/IT/LV/LT/HU/NL/PL/PT/RO/SK/SU/H/WS/WSR/WK/NQ/QS/IS/BS) **LG Electronics**

PSR/AMK/N

WSQ15(BS)

LG Electronics

7



| | |
|-------|--|
| Model | HU091MR U44, HN0916M NK4 / HU091MR U44, HN091MR NK5 |
|-------|--|

Seasonal space heating energy efficiency of heat pump

1%

Temperature control

From fiche of temperature control

Class I = 1 %, Class II = 2 %, Class III = 1.5 %,
 Class IV = 2 %, Class V = 3 %, Class VI = 4 %,
 Class VII = 3.5 %, Class VIII = 5 %

+ %

Supplementary boiler

From fiche of boile

Seasonal space heating energy efficiency (in %)

$$(\underline{\quad} - \text{P}) \times \text{W} = - \underline{\quad} \%$$

Solar contribution

From fiche of solar device

Tank rating

$$A^* = 0.95, A = 0.91, \\ B = 0.86, C = 0.83, \\ D, G = 0.81$$

100

('III' x + 'IV' x

10.000-15.000 €

Collector efficiency

$$(\text{III} \times \boxed{} + \text{IV} \times \boxed{}) \times 0,45 \times (\boxed{}/100) \times \boxed{} = + \boxed{}\%$$

Seasonal space heating energy efficiency class of package under average climate

Seasonal space heating energy efficiency class of package under average climate

| Efficiency Class | Percentage Range |
|------------------|------------------|
| G | < 30 % |
| F | ≥ 30 % |
| E | ≥ 34 % |
| D | ≥ 36 % |
| C | ≥ 75 % |
| B | ≥ 82 % |
| A | ≥ 90 % |
| A ⁺ | ≥ 98 % |
| A ⁺⁺ | ≥ 125 % |
| A ⁺⁺⁺ | ≥ 150 % |

Seasonal space heating energy efficiency under colder and warmer climate conditions

Colder: - 'V' = % Warmer: + 'VI' = %

The energy efficiency of the package of products provided for in this fiche may not correspond to its actual energy efficiency once installed in a building, as the efficiency is influenced by further factors such as heat loss in the distribution system and the dimensioning of the products in relation to building size and characteristics.

| | I | II | III | IV | V | VI |
|------|------|------|------|------|-----|-----|
| 55°C | 126% | 0.02 | 4.46 | 1.74 | 34% | 40% |
| 35°C | 183% | 0.02 | 4.45 | 1.74 | 55% | 79% |

| | | | | | | |
|--|-------------|-----------------------|--------------|----------------------|--|--|
| ¹ Product Fiche | | | | | | |
| ² Supplier's name : LG Electronics | | | | | | |
| ³ Model Name : HU091MR U44 / HN0916T NB1 | | | | | | |
| ⁴ Declared load profile | L | | | | | |
| ⁵ Seasonal space heating energy efficiency class | 35°C | | 55°C | | | |
| | A+++ | | A+ | | | |
| ⁶ Water heating energy efficiency class | A+ | | | | | |
| ⁷ Rated heat output | kW | ²³ Average | | | | |
| | | 35°C | | 55°C | | |
| | | 6 | 6 | | | |
| ⁸ Annual energy consumption | kWh | Average | | | | |
| | | 35°C | | 55°C | | |
| | | 2 922 | | 3 817 | | |
| | | Average | | | | |
| | | 815 | | | | |
| ⁹ Seasonal space heating energy efficiency | % | Average | | | | |
| | | 35°C | | 55°C | | |
| | | 175 | 118 | | | |
| | | Average | | | | |
| ¹⁰ Water heating energy efficiency | | 125 | | | | |
| ¹¹ Sound power level (LWA) | IDU | dB | 43 | | | |
| ¹² PRECAUTION | | | | | | |
| ¹³ Contact the authorized service technician for repair or maintenance of this unit. | | | | | | |
| ¹⁴ • Contact the installer for installation of this unit. | | | | | | |
| ¹⁵ • AWHP is not intended for use by young children or invalids without supervision. | | | | | | |
| ¹⁶ • Young children should be supervised to ensure that they do not play with AWHP. | | | | | | |
| ¹⁷ • When the power cable is to be replaced, replacement work shall be performed by authorized personnel only using only genuine replacement parts. | | | | | | |
| ¹⁸ • Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only. | | | | | | |
| ⁷ Rated heat output | kW | ²³ Colder | | ²³ Warmer | | |
| | | 35°C | 55°C | 35°C | | |
| | | 8 | 7 | 7 | | |
| ⁸ Annual energy consumption | kWh | Colder | | Warmer | | |
| | | 35°C | 55°C | 35°C | | |
| | | 6 340 | 7 026 | 1 491 | | |
| | | 960 | | 655 | | |
| ⁹ Seasonal space heating energy efficiency | % | Colder | | Warmer | | |
| | | 35°C | 55°C | 35°C | | |
| | | 129 | 99 | 253 | | |
| | | 106 | | 156 | | |
| ¹¹ Sound power level (LWA) | ODU | dB | 61 | | | |
| ¹⁹ Water pump EEI ≤ | | | | 0.2 | | |
| ²⁰ Temperature control | Class | V | | | | |
| | | Contribution (%) | | | | |



Annex (EN/BG/ES/CS/DA/DE/ET/EL/FR/GA/HR/IT/LV/LT/HU/MT/NL/PL/PT/RO/SK/SL/FI/SV/SR/MK/NO/SQ/IS/BS) **LG Electronics**



Model HU091MR U44 / HN0916T NB1



Seasonal space heating energy efficiency of heat pump

① T %

Temperature control

From fiche of temperature control

Class I = 1 %, Class II = 2 %, Class III = 1,5 %,
Class IV = 2 %, Class V = 3 %, Class VI = 4 %,
Class VII = 3,5 %, Class VIII = 5 %

+ %

Supplementary boiler

From fiche of boiler

Seasonal space heating energy efficiency (in %)

$$(\quad \text{III} \quad - \text{T} \quad) \times \text{VI} \quad = \quad - \quad \text{V} \quad \%$$

Solar contribution

From fiche of solar device

Collector size
(in m²)Tank volume
(in m³)Collector efficiency
(in %)

Tank rating
A* = 0.95, A = 0.91,
B = 0.86, C = 0.83,
D-G = 0.81

② + %

$$(\text{III} \times \text{I} + \text{IV} \times \text{II}) \times 0.45 \times (\text{III}/100) \times \text{IV} = + \quad \text{VI} \quad \%$$

Seasonal space heating energy efficiency of package under average climate

③ %

Seasonal space heating energy efficiency class of package under average climate



< 30 % ≥ 30 % ≥ 34 % ≥ 36 % ≥ 76 % ≥ 82 % ≥ 90 % ≥ 98 % ≥ 126 % ≥ 160 %

Seasonal space heating energy efficiency under colder and warmer climate conditions

Colder: ④ + 'V' = % Warmer: ⑤ + 'VI' = %

The energy efficiency of the package of products provided for in this fiche may not correspond to its actual energy efficiency once installed in a building, as the efficiency is influenced by further factors such as heat loss in the distribution system and the dimensioning of the products in relation to building size and characteristics.

| | I | II | III | IV | V | VI |
|------|------|------|------|------|-----|-----|
| 55°C | 118% | 0.02 | 4.77 | 1.87 | 19% | 45% |
| 35°C | 175% | 0.02 | 4.24 | 1.66 | 47% | 78% |

Water heating energy efficiency of combination heater

1
T %

Declared load profile:

Solar contribution

From fiche of solar device

$$(1,1 \times T - 10\%) \times \text{III} + T = \text{IV} + \text{V} \quad \text{2}$$

Auxiliary electricity

Water heating energy efficiency of package under average climate

3
 %

Water heating energy efficiency class of package under average climate



Water heating energy efficiency under colder and warmer climate conditions

Colder: **3** - 0,2 × **2** = %

Warmer: **3** + 0,4 × **2** = %

The energy efficiency of the package of products provided for in this fiche may not correspond to its actual energy efficiency once installed in a building, as the efficiency is influenced by further factors such as heat loss in the distribution system and the dimensioning of the products in relation to building size and characteristics.

| |
|------|
| I |
| 125% |

Model HU091MR U44/HN0916M NK4



Seasonal space heating energy efficiency of heat pump

Temperature control
From fiche of temperature control

Class I = 1 %, Class II = 2 %, Class III = 1,5 %,
Class IV = 2 %, Class V = 3 %, Class VI = 4 %,
Class VII = 3,5 %, Class VIII = 5 %

\square T %

+ \square %

Supplementary boiler
From fiche of boiler

Seasonal space heating energy efficiency (in %)

$$(\square - T) \times \text{TF} = - \square \%$$

\square E %

Solar contribution

From fiche of solar device
Collector size (in m²)

Tank volume (in m³)

Collector efficiency (in %)

Tank rating
 $A^* = 0,95, A = 0,91,$
 $B = 0,86, C = 0,83,$
 $D-G = 0,81$

\square S %

$$(1F \times \square + 1V \times \square) \times 0,45 \times (\square / 100) \times \square = + \square \%$$

\square %

Seasonal space heating energy efficiency of package under average climate



< 30 % ≥ 30 % ≥ 34 % ≥ 36 % ≥ 75 % ≥ 82 % ≥ 90 % ≥ 98 % ≥ 125 % ≥ 150 %

Seasonal space heating energy efficiency under colder and warmer climate conditions

Colder: $\square - V = \square \%$ Warmer: $\square + VT = \square \%$

The energy efficiency of the package of products provided for in this fiche may not correspond to its actual energy efficiency once installed in a building, as the efficiency is influenced by further factors such as heat loss in the distribution system and the dimensioning of the products in relation to building size and characteristics.

| | I | II | III | IV | V | VI |
|------|------|------|------|------|----|-------|
| 55°C | 126% | 0,00 | 4,45 | 1,74 | 0% | -100% |

Model HU091MR U44/HN0916M NK4/OSHW-200F AEU

Water heating energy efficiency of combination heater

Declared load profile: \square

\square T %

Solar contribution

From fiche of solar device:

Auxiliary electricity

$$(1,1 \times T - 10\%) \times \text{TF} - \square = + \square \%$$

Water heating energy efficiency of package under average climate

\square %

Water heating energy efficiency class of package under average climate



Water heating energy efficiency under colder and warmer climate conditions

Colder: $\square + 0,2 \times \square = \square \%$

Warmer: $\square + 0,4 \times \square = \square \%$

The energy efficiency of the package of products provided for in this fiche may not correspond to its actual energy efficiency once installed in a building, as the efficiency is influenced by further factors such as heat loss in the distribution system and the dimensioning of the products in relation to building size and characteristics.

| I |
|------|
| 118% |