

Product fiche



Manufacturer[†]

LG Electronics Inc.

Model Name ²	Refrigerant (R32, kg)	t-CO ₂ eq
HM051MR U44	1,4	0,945
HM071MR U44	1,4	0,945
HM091MR U44	1,4	0,945

Model Name	²	Refrigerant (R32, kg)	³ tCO ₂ eq
HM121MR U34		2,0	1,350
HM141MR U34		2,0	1,350
HM161MR U34		2,0	1,350
HM123MR U34		2,0	1,350
HM143MR U34		2,0	1,350
HM163MR U34		2,0	1,350

* t-CO₂ eq = F-gas (kg) x GWP / 1000

GWP(Global warming potential)

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 vareremke ((DE) Name oder Warenzeichen des Lieferanten ((EE) tarrini nimj vagy kaukárna ((GR) επωνύμιο ή επιτρόπος ωπού της προμηθευτή ((FR) nom du fournisseur ou marque ((HR) naziv ili zaštitni znak dobavljača ((IT) nome o marchio del fornitore ((LV) piegādātā nosaukums vai preci zīme ((LT) tiekėjo pavadinimas arba prekės ženklas ((NL) leverancier ((NO) leverandørens navn eller vareremke ((PT) nome do fornecedor ou marca registada ((RO) piegătătoarei nosaukums val preci zīme ((SK) dodávateľ ((SR) dobavljajući ime ili blagovna znamka ((FI) tavarantimittajan nimi tai varamerkki ((SE) leverantörens namn eller varumärke ((GA) Ainn an tsaoiltearai no tráidmharc ((SR) Naziv или заштитни знак добављача ((MK) Име на снабдувач или търговска марка ((NO) Leverandørens navn eller vareremke ((SQ) Emri i furnizuesit apo markes tregtare ((IS) Nafn bírgðasóla 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 modell ((DE) Modellname ((EE) Mudel nime ((GR) Όνομα μοντέλου ((FR) Nom du modèle ((HR) Naziv modela ((IT) Modello ((LV) Modela nosaukums ((LT) Modello pavadinimas ((NL) Modelle ((MT) Isem la-mudell ((NL) Modelnaam ((PL) Nazwa modelu ((PT) Nome do Modelo ((RO) Nume model ((SK) Názov modelu ((SL) Naziv modela ((FI) Mall nimi ((SE) Modellnamn ((GA) Ainn an Leagan ((SR) Naziv modela ((MK) Име на модел ((NO) Modellnavn ((SQ) Emri i modelit ((IS) Heiti teksis ((BS) Naziv modela

3 (EN) Refrigerant ((BG) Хладилен агент ((ES) Refrigerante ((CZ) Chladivo ((DK) koelmiddeel ((DE) Kältemittel ((EE) külmustutaja ((GR) ψυκτικό μέσον ((FR) réfrigérant ((HR) rashladnog ((IT) refrigerante ((LV) Aukstumagēna ((LT) Šaldalo ((HU) Šaldáló ((MT) refrigerant ((NL) koelmiddel ((PL) chłodniczy ((PT) refrigerante ((RO) agent frigorific ((SK) chladivo ((SL) hlađilo ((FI) Kylmäaineita ((SE) koldimediuim ((GA) Cuisnéan ((SR) Raspljaživač ((MK) Средство за ладење ((NO) Kjølemedium ((SQ) Frigoriferi ((IS) Kællefni ((BS) Rashladivač

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! ((BG) „Изпускането на хладилен агент допринася за изменението на климата. Хладилен агент с по-ниски потенциал за глобално затопление (ГЗ) бъде допринася от по-малко за лобалното затопление, отколкото при хладилен агент с по-висок ГЗ при евентуално изпускане в атмосфера. Настоящият уред съдържа хладилен агент с ГЗ от размер на [xxx]. Това означава, че ако 1 кг от хладилен агент бъде изпуснат в атмосфера, раздействанието за глобално затопление ще бъде [xxx] пъти по-важне, отколкото от 1 кг CO₂ за периода от 100 години. Никога не се опитвайте да се намесвате в работата на края на хладилен агент или самите да разглеждате уреда, а еднакъде и 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. Esta aspiración contiene un líquido refrigerante con un GWP igual a [xxx]. Esto significa que si se vertiera 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 mezi seb poznámelem klimatu. Chladivo s nízкým potenciálem globálního otepívania (GWP) by se v prípade úniku do ovzduší podľa tejto chladiaci kapaliny, dopad na globálny otepívania by bol v horizontu 100 let [xxx] krát väčší než 1 kg CO₂. Nezanúšajte chladiaci obal ani sami výrobek nedemontujte, ale vždy sa obráťte na odborníka. ((DK) „Koelmeddelusvægt medvirker til klimafordringen. Slipper koelmiddelet ud i atmosfæren, bidrager det mindre til den globale opvarming, hvis dets potentiell for globale opvarming (GWP) er lav, end hvis det er høj. Dette apparaat indeholder en kølesveske, hvis GWP-tal er [xxx]. Det betyder at lækket 1 kg af dette koelmiddelet i atmosfæren, så vil det gennem en periode på 100 år bidrage [xxx] gange mere til den globale opvarming end 1 kg CO₂. Prøv aldrig at pille ved koelmiddelekskredsløbet eller at slæse produktet ad selv - overlad alt det til en fagmand.“ ((DE) „Der Ausstrahl von Kältemittel trägt zum Klimawandel bei. Kältemittel mit geringem Treibhauspotenzial tragen im Fall eines Austretens weniger zur Erwärmung 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 Erwärmung als 1 kg CO₂, basiert auf und kontrolliert durch eine Kältekreislauftypen oder das Gerät zeigt zumindest Fachkenntnisse bezüglich.“



MBM65584328 (REV00)

Annex (EN/BG/ES/CZ/DK/DE/EE/GR/FR/HR/IT/LV/LT/HU/MT/NL/P/L/PT/RO/SK/SI/F/SE/GA/SL/MK/NO/SQ/IS/BS)  **LG Electronics**



Seasonal space heating energy efficiency of heat pump

① 'I' %

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 %
② + %

Supplementary boiler

From fiche of boiler

Seasonal space heating energy efficiency (in %)

$$(\quad - 'I') \times 'II' = - \quad \%$$

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
④ + %

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

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: ⑤ - '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	136%	0.00	2.32	0.91	34%	33%
35°C	184%	0.00	2.32	0.91	51%	49%