



Product Fiche																					
2 Supplier's name: LG Electronics																					
3 Model Name: HU161 U33 / HU161NK3																					
4 Seasonal space heating energy efficiency class		<table><tr><td>35 °C</td><td>55 °C</td></tr><tr><td>A++</td><td>A++</td></tr><tr><td colspan="2">5 Average</td></tr></table>		35 °C	55 °C	A++	A++	5 Average													
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5 Average																					
6 Rated heat output :		<table><tr><td>kW</td><td></td></tr><tr><td>35 °C</td><td>55 °C</td></tr><tr><td>10</td><td>10</td></tr><tr><td colspan="2">5 Average</td></tr></table>		kW		35 °C	55 °C	10	10	5 Average											
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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.																					
17 • 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.																					
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10 Water pump EFL ≤		0.23																			
11 Temperature control		<table><tr><td>Class</td><td>V</td></tr><tr><td>Contribution (%)</td><td>3</td></tr></table>		Class	V	Contribution (%)	3														
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Contribution (%)	3																				



Annex

- [illegible]

- [illegible]

MBM6529762

- [illegible]

- [illegible]

- [illegible]

- [illegible]

- [illegible]

- [illegible]

- (EN) Annual energy consumption (BG) Годишно потребление на енергия (ES) Consumo energético anual (CS) Potrivit spotului energie (DA) Årlig energiforbrug (DE) Jährliche Energieverbrauch (ET) Átlagos energiafelhasználás (EL) Ετήσια κατανάλωση ενέργειας (FR) Consommation d'énergie annuelle (GA) Iúil bliain fuinnimh (HR) Godišnje potrošnja energije (IT) Consumo energetico annuo (LU) Sadažba enerģije godišnj (LT) Kasmetinis energijos suvartojimas (MT) Kollimja n għall kull sennja (NL) Jaarlijkse energieverbruik (NO) Årlig energiforbruk (PT) Consumo energético anual (RO) Consumul de energie anual (SK) Ročná spotreba energie (SV) Årlig energiåtgång (SI) Letni poraba energije (FI) Vuosittainen energienkulutus (SV) Årlig Skädförbrukning (SR) Godišnja potrošnja energije (MK) Godišnja potrošnja na energija (NO) Årlig energi förbruk (SQ) Konsumi ijetori e enërgjisë (BS) Godišnje potrošnja energije

- [illegible]

- 10 (EN) Water pump EEL ≡ (DG) VEELE na vodnata noma ≡ (ES) EEL de la bomba de agua ≡ (CS) EEL (index energetické účinnosti) vodního čerpadla ≡ (DA) Vandpumpe EEL ≡ (DE) EEL Wasserpumpe ≡ (ET) Vízumpumpa energiahatékonyság ≡ (EL) EEL avtiaklivos vpozo ≡ (FR) Inducteur d'énergie de la pompe à eau ≡ (GA) Caidel EEL ≡ (HR) Pumpa za vodu EEL ≡ (IT) EEL Pompa dell'acqua ≡ (ID) Mesin Suling ≡ (IS) Vatnspúndur stúrniféir ≡ (HU) Vízszivattyú EEL ≡ (MT) Pompa tal-ilm EEL ≡ (NL) Waterpompe EEL ≡ (PL) Pompa wody EEL ≡ (PT) Bomba de água EEL ≡ (RO) Pompă apă EEL ≡ (SK) EEL vodního čerpadla ≡ (SL) Vodna črpalka EEL ≡ (FI) Viespumpe EEL ≡ (SV) Vattverkpump EEL ≡ (SR) EEL Pumpe za vodu ≡ (MK) Boma na voma EEL ≡ (NO) Vandpumpe EEL ≡ (SQ) Pompa e ujti EEL ≡ (MD) Văzăduala EEL ≡ (BS) EEL pumpe za vodu ≡

- [illegible]

- (2) PRECAUCION (BG) МЕРКИ ЗА БЕЗОПАСНОСТ (ES) PRECAUCION (CS) OPATNOSTI (DA) FORSIGTIGHEDE (DE) VORSICHTSMASSNABMEN (EL) ΕΠΙΒΕΒΛΗΤΑ (ET) ΕΠΙΒΕΒΛΗΤΑ (ET) ΠΡΟΒΛΗΜΑΤΙΣΜΟΣ (FR) PRÉCAUTIONS (GA) REAMH CHURAM (HU) MÉRRE ÓPÉZTA (IT) PRECAUZIONI (LV) MĒRĒSĪBAS PASĀRĀJUMI (LT) ATSAUGIMAS (HU) ÓVINTÉKEZÉSEK (MT) PREKAVANZI (NL) VOORZORGSMAATREGE (PL) ŚRODKI OSTROŻNOŚCI (PT) PRECAUÇÃO (RO) ATENȚIE (CS) OPATNOSTI (SI) PAZI, VARNOST (FR) PRÉCAUTIONS (DE) SACHVERHÄLTNISBEZOGENE ABGABER (SR) MERE PREOSTROŽNOSTI (MK) МЕРКИ НА ПРЕПАЗЛИВОСТ (NO) FORSİKTIG (SK) MASA PRAVAPRAVE (SI) VARUJAVARNOSTI (BS) OPREZ



- [illegible]

Model

HU161 U33 / HN1616 NK3, HU161 U33 / HN1616M NK5



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 %)

(- 'I') × 'II' = - %

3
%

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' × + 'IV' ×) × 0,45 × (/100) × = + %

4
%

Seasonal space heating energy efficiency of package under average climate

5
%

Seasonal space heating energy efficiency class of package under average climate

G F E D C B A A* A++ A+++
< 30 % ≥ 30 % ≥ 34 % ≥ 36 % ≥ 75 % ≥ 82 % ≥ 90 % ≥ 98 % ≥ 125 % ≥ 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	130%	0.00	2.70	1.06	31%	38%
35°C	169%	0.00	2.67	1.05	47%	54%

Model HU161 U33 / HN1616T NB0



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 %

+ ² %

Supplementary boiler
From fiche of boiler

Seasonal space heating energy efficiency (in %)

(³ - T) × 'II' = - ³ %

Solar contribution

From fiche of solar device

Collector size
(in m²)

Tank volume
(in m³)

Collector efficiency
(in %)

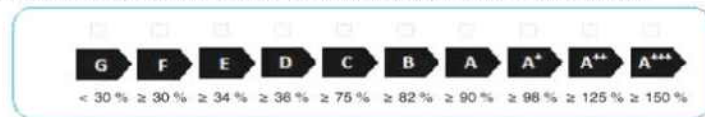
Tank rating
A* = 0,95, A = 0,91,
B = 0,86, C = 0,83,
D-G = 0,81

('III' × ⁴ + 'IV' × ⁵) × 0,45 × (⁶ /100) × ⁷ = + ⁴ %

Seasonal space heating energy efficiency of package under average climate

⁵ %

Seasonal space heating energy efficiency class of package under average climate



Seasonal space heating energy efficiency under colder and warmer climate conditions

Colder: ³ - 'V' = ⁵ %

Warmer: ³ + 'VI' = ⁵ %

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	117%	0	2.73	1.07	30%	-27%

Water heating energy efficiency of combination heater

¹
T %

Declared load profile:

Solar contribution

From fiche of solar device

Auxiliary electricity

(1,1 × 'I' - 10 %) × 'II' - ² - 'I' = + ² %

Water heating energy efficiency of package under average climate

³ %

Water heating energy efficiency class of package under average climate

	G	F	E	D	C	B	A	A*	A**	A+++
M	< 27 %	≥ 27 %	≥ 30 %	≥ 33 %	≥ 36 %	≥ 39 %	≥ 55 %	≥ 100 %	≥ 130 %	≥ 163 %
L	< 27 %	≥ 27 %	≥ 30 %	≥ 34 %	≥ 37 %	≥ 50 %	≥ 75 %	≥ 115 %	≥ 150 %	≥ 188 %
XL	< 27 %	≥ 27 %	≥ 30 %	≥ 35 %	≥ 38 %	≥ 55 %	≥ 80 %	≥ 123 %	≥ 160 %	≥ 200 %
XXL	< 28 %	≥ 28 %	≥ 32 %	≥ 36 %	≥ 40 %	≥ 60 %	≥ 85 %	≥ 131 %	≥ 170 %	≥ 213 %

Water heating energy efficiency under colder and warmer climate conditions

Colder: ³ - 0,2 × ² = ⁵ %

Warmer: ³ + 0,4 × ² = ⁵ %

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I
89%