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Annex <http://www.lg.com/usa> LG Electronics

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1 Product Fiche	LG Electronics		
2 Supplier's name	LG Electronics		
3 Model Name	HM071M U43 / - / OSHW-300F AEU (Tank)		
4 Declared load profile			
5 Seasonal space heating energy efficiency class			
6 Water heating energy efficiency class			
7 Rated heat output			
8 Annual energy consumption			
9 Seasonal space heating energy efficiency			
10 Water heating energy efficiency			
11 Sound power level (LWA)			

12 PRECAUTION			
13 Rated heat output			
14 Annual energy consumption			
15 Seasonal space heating energy efficiency			
16 Water heating energy efficiency			
17 Sound power level (LWA)			
18 Water pump Effic			
19 Temperature control			

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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 %

Supplementary boiler
From fiche of boiler

Seasonal space heating energy efficiency (in %)

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

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

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

Seasonal space heating energy efficiency of package under average climate

Seasonal space heating energy efficiency class of package under average climate

G

F

E

D

C

B

A

A*

A**

A***

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

Seasonal space heating energy efficiency under colder and warmer climate conditions

Colder: $\text{ } - \text{'V'} = \text{ } \%$ Warmer: $\text{ } + \text{'V'} = \text{ } \%$

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	122%	0.00	4.86	1.90	25%	58%
35°C	175%	0.00	4.65	1.82	48%	90%

Model HM071M U43



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 %

+ %

Supplementary boiler

From fiche of boiler

Seasonal space heating energy efficiency (in %)

(- 'I') × 'II' = - %

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) × = + %

Seasonal space heating energy efficiency of package under average climate

%

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	122%	0.00	4.86	1.90	25%	58%

Model HM071M U43 / - / OSHW-200F AEU

Water heating energy efficiency of combination heater

%

Declared load profile:

Solar contribution

From fiche of solar device

Auxiliary electricity

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

Water heating energy efficiency of package under average climate

%

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 %	≥ 45 %	≥ 104 %	≥ 130 %	≥ 163 %
L	< 27 %	≥ 27 %	≥ 30 %	≥ 34 %	≥ 37 %	≥ 50 %	≥ 75 %	≥ 115 %	≥ 150 %	≥ 188 %
XL	< 27 %	≥ 27 %	≥ 30 %	≥ 35 %	≥ 39 %	≥ 55 %	≥ 80 %	≥ 123 %	≥ 160 %	≥ 200 %
XXL	< 28 %	≥ 28 %	≥ 32 %	≥ 36 %	≥ 40 %	≥ 50 %	≥ 86 %	≥ 131 %	≥ 170 %	≥ 213 %

Water heating energy efficiency under colder and warmer climate conditions

Colder: - 0,2 × = %

Warmer: + 0,4 × = %

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
122%

Model HM071M U43



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 %

+ %

Supplementary boiler

From fiche of boiler

Seasonal space heating energy efficiency (in %)

(- 'I') × 'II' = - %

Solar contribution

From fiche of solar device

Collector size (in m²)

Tank volume (in m³)

Collector efficiency (in %)

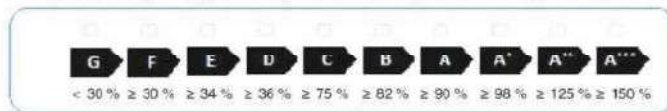
Tank rating
A* = 0,95, A = 0,91,
B = 0,86, C = 0,83,
D-G = 0,81

('III' × + 'IV' ×) × 0,45 × (/100) × = + %

Seasonal space heating energy efficiency of package under average climate

%

Seasonal space heating energy efficiency class of package under average climate



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	122%	0.00	4.86	1.90	0%	-100%

Model HM071M U43/OSHW-300F AEU

Water heating energy efficiency of combination heater

%

Declared load profile:

Solar contribution

From fiche of solar device

Auxiliary electricity

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

Water heating energy efficiency of package under average climate

%

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 %	≥ 35 %	≥ 39 %	≥ 65 %	≥ 100 %	≥ 130 %	≥ 163 %
L	< 27 %	≥ 27 %	≥ 30 %	≥ 34 %	≥ 37 %	≥ 50 %	≥ 75 %	≥ 115 %	≥ 150 %	≥ 186 %
XL	< 27 %	≥ 27 %	≥ 30 %	≥ 35 %	≥ 38 %	≥ 55 %	≥ 80 %	≥ 125 %	≥ 160 %	≥ 200 %
XXL	< 27 %	≥ 27 %	≥ 30 %	≥ 35 %	≥ 38 %	≥ 55 %	≥ 80 %	≥ 125 %	≥ 170 %	≥ 210 %

Water heating energy efficiency under colder and warmer climate conditions

Colder: - 0,2 × = %

Warmer: + 0,4 × = %

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
134%

