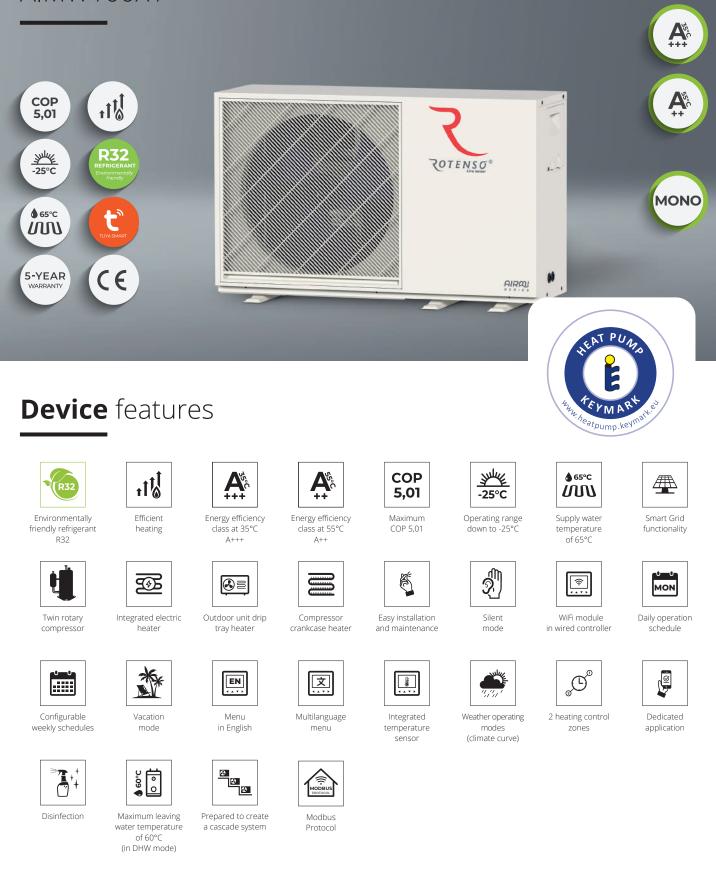


Airmi Monoblock heat pump

AIMW100X1 [R14]



ZOTENS O[®]

Specification outdoor unit

Model EAN Code				
				AIMW100X1 R14
EAN CODE				
				5905567602436
Power supply			V-Hz, Ø	220-240~50, 1f
	Capacity		kW	10,20
Heating				
(A7/W35)	Rated input		kW	2,04
	COP			5,01
	Capacity		kW	10,20
Heating			kW	
(A7/W45)	Rated input		KVV	2,79
	COP			3,65
	Capacity		kW	9,60
Heating				
(A7/W55)	Rated input		kW	3,22
	COP			2,98
	Capacity		kW	10,10
Cooling	Rated input		kW	2,42
(A35/W18)			KVV	
	EER			4,14
	Capacity		kW	8,80
Cooling	Rated input		kW	2,97
(A35/W7)			KTY	
	EER			2,96
	SCOP (1)			4,86
			kW	9,2
Seasonal energy	Rated heat output			
efficiency	Seasonal energy efficiency ratio (ηS)		96	206
LWT at 35°C	Annual energy consumption		kWh	3617
				A+++
	Seasonal space heating energy efficiency class (1)			
	SCOP (1)			3,51
Seasonal energy	Rated heat output		kW	7,70
efficiency			96	139
LWT at 55°C	Seasonal energy efficiency ratio (ηS)			
LWI at 55°C	Annual energy consumption		kWh	4453
	Seasonal space heating energy efficiency class ⁽¹⁾			A++
	LWT at 7°C			4,66
SEER				
	LWT at 18ºC			8,23
Minimum rated curr	rent of the overcurrent circuit breaker w	ith breaker type	A	в32
Compressor		Туре		Twin rotary inverter compressor DC
compressor				
Fan Type			Brushless DC motor / BLDC	
1011		Quantity		1
				R32
		Туре		
Refrigerant		GWP		675
nemgerane			kg	1,5
				1,013
		Quantity	TCO.eq	
		Quantity	TCO2eq	
Minimal wire pcs and	nd dimension of cords*		TCO ₂ eq pcs × mm ²	3×6
Minimal wire pcs and Bracket spacing	nd dimension of cords*	(W1 × W2 × D)		
Bracket spacing			pcs × mm² mm	3 × 6 640×239×448
Bracket spacing Sound pressure leve			pcs × mm ² mm dB(A)	3×6 640×239×448 46
Bracket spacing Sound pressure leve Sound power level		(W1 × W2 × D)	pcs × mm ² mm dB(A) dB(A)	3×6 640×239×448 46 60
Bracket spacing Sound pressure leve			pcs × mm ² mm dB(A)	3×6 640×239×448 46
Bracket spacing Sound pressure leve Sound power level		(W1 × W2 × D)	pcs × mm ² mm dB(A) dB(A)	3×6 640×239×448 46 60
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions	el	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm ² mm dB(A) dB(A) mm mm	3 × 6 640×239×448 46 60 1135 × 488 × 803 1260 × 488 × 982
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w	el veight	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm ² mm dB(A) dB(A) mm mm kg	3 × 6 640×239×448 60 60 1135 × 488 × 803 1260 × 488 × 962 99 / 114
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor	vel weight Cooling / Heating	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm ² mm dB(A) dB(A) mm mm kg °C	3 × 6 640×239×448 46 60 1135 × 488 × 803 1260 × 488 × 992 99 / 114 -5-43 / -25-35
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w	el veight	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm ² mm dB(A) dB(A) mm mm kg	3 × 6 640×239×448 60 60 1135 × 488 × 803 1260 × 488 × 962 99 / 114
Bracket spacing Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature	vel weight Cooling / Heating	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm ² mm dB(A) dB(A) mm mm kg °C	3 × 6 640×239×448 46 60 1135 × 488 × 803 1260 × 488 × 982 99 / 114 -5-43 / -25-35 -25-43
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor	el weight Cooling / Heating DHW	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm² mm dB(A) mm kg °C °C	3 × 6 640×239×448 46 60 1135 × 488 × 803 1260 × 488 × 982 99 / 114 -5-43 / 25-35 -25-43 Heating and cooling
Bracket spacing Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes	el weight Cooling / Heating DHW Space cooling	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm² mm dB(A) dB(A) mm kg °C °C °C	3 × 6 640×239×448 46 60 1135 × 488 × 803 1260 × 488 × 982 99 / 114 -5-43 / -25-35 -25-43 Heating and cooling 7-25
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water	el weight Cooling / Heating DHW	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm² mm dB(A) mm kg °C °C	3 × 6 640×239×448 46 60 1135 × 488 × 803 1260 × 488 × 982 99 / 114 -5-43 / 25-35 -25-43 Heating and cooling
Bracket spacing Sound pressure leve Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes	el weight Cooling / Heating DHW Space cooling	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm² mm dB(A) dB(A) mm kg °C °C °C	3 × 6 640×239×448 46 60 1135 × 488 × 803 1260 × 488 × 982 99 / 114 -5-43 / -25-35 -25-43 Heating and cooling 7-25
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water	el Cooling / Heating DHW Space cooling Space heating DHW (tank)	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm² mm dB(A) mm mm c °C °C °C °C °C °C	3 × 6 640×239×448 66 60 1135 × 488 × 803 1260 × 488 × 982 99 / 114 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-65 25-66
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water	veight Cooling / Heating DHW Space cooling Space cooling DHW(tank) Power supply	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm ² mm dB(A) dB(A) mm mm kg c c c c c c c c v C v t-tz, Ø	3 × 6 640×239×448 64 60 60 1135 × 488 × 803 1260 × 488 × 982 99 / 114 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-65 25-65 25-60 220-240-50, 1f
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature	el Cooling / Heating DHW Space cooling Space heating DHW (tank)	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm² mm dB(A) mm mm c °C °C °C °C °C °C	3 × 6 640×239×448 66 60 1135 × 488 × 803 1260 × 488 × 982 99 / 114 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-65 25-66
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water	veight Cooling / Heating DHW Space cooling Space cooling DHW(tank) Power supply	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm ² mm dB(A) dB(A) mm mm kg c c c c c c c c v C v t-tz, Ø	3 × 6 640×239×448 64 60 60 1135 × 488 × 803 1260 × 488 × 982 99 / 114 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-65 25-65 25-60 220-240-50, 1f
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature	el weight Cooling / Heating DHW Space cooling Space heating DHW (ank) Power supply Number of heating stages Power	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm² mm dB(A) dB(A) mm mm kg °C °C °C °C °C VHz, Ø pcs kW	3×6 640×239×448 66 60 1135×488×803 1260×488×982 99/114 5-43/25-35 -25-43 Heating and cooling 7-25 1260×25-65 25-60 220-240-50, 1f 1
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature	el weight Cooling / Heating DHW Space cooling Space cooling Power supply Number of heating stages Power Maximum operating current	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm² mm dB(A) dB(A) mm mm mc °C °C	3×6 640×239×448 66 60 1135×488×803 1260×488×982 99/114 5-5-43/25-35 -25-43 Heating and cooling 7-25 25-65 25-65 25-60 1 220-20-50,1f 1 3
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature	el weight Cooling / Heating DHW Space cooling Space heating DHW (ank) Power supply Number of heating stages Power	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm ² mm dB(A) dB(A) mm mm kg ec c c c v-tz, Ø pcs kW kW A mm (nch)	3×6 $640 \times 239 \times 448$ 60 60 $61135 \times 488 \times 803$ $1260 \times 488 \times 962$ 99 / 114 -5 - 43 / -25 - 35 -5 - 43 / -25 - 35 -25 - 43 Heating and cooling 7 - 25 25 - 65 25 - 65 25 - 65 25 - 60 25 - 60 $220 \cdot 24 - 50. 1f$ 1 1 3 3 3 3 3 3 3 3
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature	el weight Cooling / Heating DHW Space cooling Space cooling Power supply Number of heating stages Power Maximum operating current	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm² mm dB(A) dB(A) mm mm mc °C °C	3×6 640×239×448 66 60 1135×488×803 1260×488×982 99/114 5-5-43/25-35 -25-43 Heating and cooling 7-25 25-65 25-65 25-60 1 220-20-50,1f 1 3
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature	veight Cooling / Heating DHW Space cooling Space heating DHW(tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief value	$(W1 \times W2 \times D)$ $(W \times D \times H)$	pcs × mm² mm dB(A) dB(A) mm kg °C °C °C °C V-Hz, Ø pcs kW A mm (nch)	3×6 640×239×448 60 60 1135×488×803 1260×488×982 99/114 -5-43/25-35 -5-43/25-35 -5-43 Heating and cooling -7-25 25-65 25-65 25-65 25-65 1 220-240-50,1f 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature	el weight Cooling / Heating DHW Space cooling Space cooling DHW Cank) Power supply Number of heating stages Power Maximum operating current Water connections	(W1 × W2 × D) (W × D × H) (W × D × H)	pcs × mm² mm dB(A) dB(A) mm mm kg °C °C °C °C °C V-Hz, Ø pcs kW A mm (nch) MPa	3 × 6 640×239×448 46 60 1135×488×803 1260×488×992 99/114 -5-43/-25-35 -25-43 Heating and cooling 7-25 25-66 25-65 25-60 1 3 4 3 3 1 13.6 03 043(1.30) 0.3
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature	veight Cooling / Heating DHW Space cooling Space heating DHW(tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief value	(W1 × W2 × D) (W × D × H) (W × D × H)	pcs × mm² mm dB(A) dB(A) mm mm kg °C °C °C °C °C vC % w A mm (inch) MPa mm I	3×6 640×239×448 60 60 1135×488×803 1135×488×803 1260×488×992 99/114 5-43/-25-35 25-43 Heating and colling 7-25 Heating and colling 7-25 25-65 25-65 25-60 220-240-50, 1f 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature	el weight Cooling / Heating DHW Space cooling Space heating DHW V Vumber of heating stages Power Power Water connections Pressure relief value Condensate drain	(W1 × W2 × D) (W × D × H) (W × D × H)	pcs × mm² mm dB(A) dB(A) mm mm kg °C °C °C °C °C V-Hz, Ø pcs kW A mm (nch) MPa	3 × 6 640×233×448 46 60 1135 × 488 × 803 1260 × 488 × 802 99/114 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-66 25-60 220-240-50, 1f 1 3 43 (1,30) 0,3 431(1,27)
Bracket spacing Sound pressure level Net dimensions Gross dimensions Operating outdoor temperature Operation modes Leaving water temperature Electric heater	veight Cooling / Heating DHW Space cooling Space heating DHW(tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief value	(W1 × W2 × D) (W × D × H) (W × D × H) (W × D × H) Total volume Actual volume	pcs × mm² mm dB(A) dB(A) mm mm mc °C °C °C °C °C °C % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %	3×6 640×233×448 60 60 1135×488×803 1135×488×803 1260×488×982 99/114 .5-43/25-35 .25-43 .25-43 .25-43 .25-50 .25-60 .252-60 .252-60 .220240-50,1f .1 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3 .3
Bracket spacing Sound pressure level Sound power level Net dimensions Gross dimensions Net weight / Gross w Operating outdoor temperature Operation modes Leaving water temperature	el weight Cooling / Heating DHW Space cooling Space heating DHW V Vumber of heating stages Power Power Water connections Pressure relief value Condensate drain	(W1 × W2 × D) (W × D × H) (W × D × H) (W × D × H) Total volume Actual volume Maximum pressure	pcs × mm² mm dB(A) dB(A) mm mm mm mm %C %C	3×6 640×239×448 60 60 61 1135×488×003 1260×488×003 1260×488×902 99/114 6. 6. 7×25 7×43 7×25 7×43 7×25 6. 7×25 6. 7×25 7×56 7×25 7×56 7×25 7×56 7×25 7×56 7×25 7×50 7×25 7×50 7×25 7×50 7×25 7×50 7×50 7×50 7×50 7×50 7×50 7×50 7×5
Bracket spacing Sound pressure level Net dimensions Gross dimensions Operating outdoor temperature Operating outdoor temperature Electric heater	el weight Cooling / Heating DHW Space cooling Space heating DHW V Vumber of heating stages Power Power Water connections Pressure relief value Condensate drain	(W1 × W2 × D) (W × D × H) (W × D × H) (W × D × H) Total volume Actual volume	pcs × mm² mm dB(A) dB(A) mm mm mc °C °C °C °C °C °C % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % % %	3×6 640×239×448 60 60 1135×488×003 1135×488×003 1260×488×902 99/114 5-43/.25-35 25-43 425-43 425-43 425-43 425-43 425-60 25-65 25-60 220-240-50,1f 1 220-240-50,1f 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Bracket spacing Sound pressure level Net dimensions Gross dimensions Operating outdoor temperature Operating outdoor temperature Electric heater	el weight Cooling / Heating DHW Space cooling Space heating DHW DHW DW DHW (ank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain Expansion tank	(W1 × W2 × D) (W × D × H) (W × D × H) (W × D × H) Total volume Actual volume Maximum pressure	pcs × mm² mm dB(A) dB(A) mm mm mm mm %C %C	3×6 640×239×448 60 60 1135×488×003 1260×488×982 99/114 99/114 14 15-5-43/-25-35 14 15-5-43/-25-35 14 15-5-43 14 15-5-65 14 15-65 15-65 15-65 15-65 16 15-65 16 16 16 16 16 16 16 16 16 16 16 16 16
Bracket spacing Sound pressure level Net dimensions Gross dimensions Operating outdoor temperature Operation modes Leaving water temperature Electric heater	el weight Cooling / Heating DHW Space cooling Space heating DHW V Vumber of heating stages Power Power Water connections Pressure relief value Condensate drain	(W1 × W2 × D) (W × D × H) (W × D × H) (W × D × H) Total volume Actual volume Maximum pressure Initial pressure	pcs × mm² mm dB(A) dB(A) mm mm mm mm %C %C	3×6 640×239×448 60 60 60 1135×488×003 11260×488×02 99/114 5-43/25-35 60 60 7-25 7-25 7-25 60 220-240-50,17 1 3 3 3 3 3 3 3 3 3 3 3 5-60 220-240-50,17 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Bracket spacing Sound pressure level Net dimensions Gross dimensions Operating outdoor temperature Operating outdoor temperature Electric heater	el weight Cooling / Heating DHW Space cooling Space heating DHW(ank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain Expansion tank Heat exchanger	(W1 × W2 × D) (W × D × H) (W × D × H) (W × D × H) Total volume Actual volume Maximum pressure Initial pressure Tital pressure Tital pressure	pcs × mm² mm dB(A) dB(A) mm kg °C °C	3 × 6 640×239×448 60 60 1135×488×803 1260×488×982 99/114 -5-43/-25-35 -5-43/-25-35 -25-43 Heating and cooling 7-25 25-65 25-60 220-240-50, 1f 1 3 3 13.6 0,3 0,3 0,15 2 0,15 PHE/ plate heat exchanger
Bracket spacing Sound pressure level Net dimensions Gross dimensions Operating outdoor temperature Operation modes Leaving water temperature Electric heater	el weight Cooling / Heating DHW Space cooling Space heating DHW DHW DW DHW (ank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain Expansion tank Heat exchanger Water pump head	(W1 × W2 × D) (W × D × H) (W × D × H) (W × D × H) Total volume Actual volume Maximum pressure Initial pressure Tital pressure Tital pressure	pcs × mm² mm dB(A) dB(A) mm kg °C °C °C °C V-Hz, Ø pcs kW A mm (inch) MPa MPa MPa	3×6 640×239×448 640 60 60 1135×488×803 1260×488×992 99/114 5-43/-25-35 6 6 7-25-33 7-25 7-25 6 7-25-60 25-60 25-60 25-60 25-60 25-60 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
Bracket spacing Sound pressure level Net dimensions Gross dimensions Operating outdoor temperature Operation modes Leaving water temperature Electric heater	el weight Cooling / Heating DHW Space cooling Space heating DHW(ank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain Expansion tank Heat exchanger	(W1 × W2 × D) (W × D × H) (W × D × H) (W × D × H) Total volume Actual volume Maximum pressure Initial pressure Tital pressure Tital pressure	pcs × mm² mm dB(A) dB(A) mm kg °C °C	3 × 6 640×239×448 60 60 1135×488×803 1260×488×982 99/114 -5-43/-25-35 -25-43 Heating and cooling 7-25 25-65 25-60 220-240-50, 1f 1 3 43(1,30) 0,3 0,15 2 2 -1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 43 43 44 45 46 47 48 493 493
Bracket spacing Sound pressure level Net dimensions Gross dimensions Operating outdoor temperature Operation modes Leaving water temperature Electric heater	el weight Cooling / Heating DHW Space cooling Space heating DHW DHW DW DHW (ank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain Expansion tank Heat exchanger Water pump head	(W1 × W2 × D) (W × D × H) (W × D × H) (W × D × H) Total volume Actual volume Maximum pressure Initial pressure Tital pressure Tital pressure	pcs × mm² mm dB(A) dB(A) mm kg °C °C	3 × 6 640×233×448 60 61 60 1135 × 488 × 803 1260 × 488 × 982 99/114 1260 × 488 × 982 99/114 1260 × 488 × 982 99/114 1260 × 488 × 982 99/114 1260 × 488 × 982 99/114 1260 × 488 × 982 127 × 43 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

(1) Seasonal energy efficiency class measured under average climate conditions.

(1) Seasonal energy entitempt of uses measured under average dimate containers. Notes: DHW – Domestic hot water, LWT – Leaving water temperature The sound pressure levels in easing of min for of the unit and (1+1)/2m (where H is the height of the unit) above the floor in semi-anechoic room. During on-site operation sound pressure levels can be higher as a result of ambient noise. Sound pressure level and sound power level reflect the maximum value tested under three conditions specified respectively in notes A7W35, ΔT=5; A7W55 ΔT=6; relative humidity 85%. The figures specified above refer to the following standards: EN14511; EN14825; EN50564; EN12102; (EU) Np. 811/2013; (EU) No. 813/2013; Journal of Laws 2014 / C 207/02: 2014. The residual current circuit breaker used to protect the electrical circuit of the appliance shall be selected in view of the electrical regulations in force, assuming that the rated residual current is not greater than IΔn: 30mA *The above values apply to supply cables with a maximum length of 20mb. If this value is exceeded, an electrical designer should be consulted.