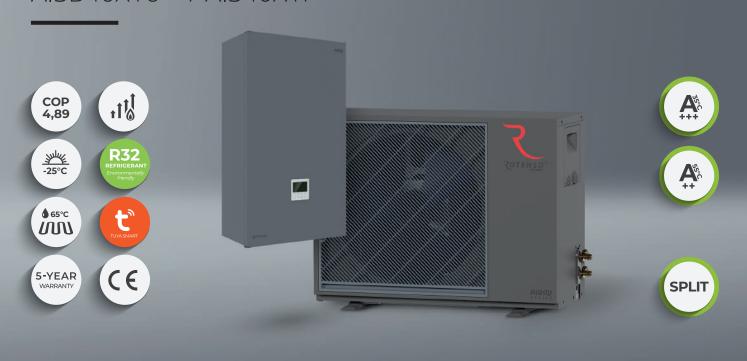


## Airmi Split heat pump

AISB40X10 [R14] / AIS40X1 i [R14]



#### **Device** features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C A++



Maximum COP 4,89



Operating range down to -25°C



Supply water temperature of 65°C



Smart Grid functionality



Twin rotary compressor



Integrated electric



Outdoor unit drip tray heater



Compressor crankcase heate



Indoor unit drip tray



Easy installation



Compact indoor split unit housing



Maximum installation length up to 15m



Silent mode



Integrated Wi-Fi module



Daily operation schedule



Configurable weekly schedules



Vacation mode



Menu in English



Multilanguage menu



Integrated temperature sensor



Weather operating



2 heating control



Dedicated application



Disinfection



Maximum leaving water temperature of 60°C (in DHW mode)



Prepared to create a cascade system



Modbus Protocol



### **Specification** indoor unit

Model				AIS40X1i R14
EAN Code				5905567602825
Operation modes	Operation modes			Heating and cooling
	Space cooling		°C	7-25
Leaving water temperature	Space heating		°C	25-65
	DHW (tank)		°C	25-60
Power supply			V-Hz, Ø	220-240-50, 1f
Rated input			W	3090
Operating current			A	13,9
Sound power level			dB	42
	Power supply		V-Hz, Ø	220-240-50, 1f
Electric heater	Number of heating stages		pcs	1
Licerie Hedrei	Power		kW	3
	Maximum operating current		A	13,6
Net dimensions		(W x D x H)	mm	465×273×909
Gross dimensions		(W x D x H)	mm	525 × 345 × 960
Net weight / Gross weight			kg	34/38
	Water connections		mm (inch)	Ф33 (1,30)
	Pressure relief valve		MPa	0,3
	Condensate drain		mm	Ф12,7
	Expansion tank	Total volume	1	5
Water circuit		Actual volume	1	2
water circuit		Maximum pressure	MPa	0,5
		Initial pressure	MPa	0,15
	Heat exchanger	Type		PHE / plate heat exchanger
		Minimum flow	l/min	10
	Water pump head		m	9
Water pump type			DC inverter	
Refrigerant circuit Liquid / Gas			mm	Φ6,35 / Φ15,88
Minimal wire pcs and dimension of cords*			pcs × mm²	3×2,5
Control cables: indoor unit to	Control cables: indoor unit to outdoor unit			2×0,75 (shielded cable)

# **Specification** outdoor unit

Model				AISB40X1o R14
EAN Code				5905567602610
Power supply			V-Hz, Ø	220-240~50,1f
	Capacity		kW	4.20
Heating	Rated input		kW	0,86
(A7/W35)	COP			4.89
	Capacity		kW	4.10
Heating	Rated input		kW	1,18
(A7/W45)	COP			3,47
	Capacity		kW	4,00
Heating	Rated input			1,65
(A7/W55)	COP			2,42
	Capacity		kW	4,20
Cooling	Rated input		kW	0,78
(A35/W18)	EER		NIV	5,41
			kW	4,20
Cooling	Capacity			
(A35/W7)	Rated input		kW	1,35
	EER			3,12
	SCOP <sup>(1)</sup>			4,88
Seasonal energy efficiency	Rated heat output		kW	4,0
LWT at 35°C	Seasonal energy efficiency ratio (ηS)		96	192
	Annual energy consumption		kWh	1693
	Seasonal space heating energy efficiency	/ class <sup>(1)</sup>		A+++
	SCOP (1)			3,40
	Rated heat output		kW	4,4
Seasonal energy efficiency LWT at 55°C	Seasonal energy efficiency ratio (ηS)		96	133
EWI dt 55°C	Annual energy consumption		kWh	3038
	Seasonal space heating energy efficiency class (1)			A++
	LWT at 7°C			5,33
SEER	LWT at 18°C			8.29
Minimum rated current of the	overcurrent circuit breaker with breaker t	ype	A	B16
Compressor		Type		Twin rotary inverter compressor DC
		Type		Brushless DC motor / BLDC
Fan		Quantity		1
		Type		R32
		GWP		675
Refrigerant			kg	1,40
		Quantity	TCO,eq	0,945
	Liquid / Gas		mm	0,345 Ф6,35 / Ф15,88
	Minimum installation length		mm m	Ψο,35 / Φ15,88
Pipe connections				3 15
	Maximum installation length	7.5 5	m	
	Additional amount of refrigerant for over	7,5 III lear meters	g/m	20
Maximum height difference	Outdoor unit above the indoor unit		m	8
Outdoor unit below the indoor unit		m	8	
Minimal wire pcs and dimension of cords*			pcs × mm²	3×2,5
Control cables: indoor unit to outdoor unit			pcs × mm²	2 × 0,75 (shielded)
Bracket spacing (W1 × D)		mm	624×425	
Sound pressure level			dB(A)	44
Sound power level		dB(A)	56	
Net dimensions (W x D x H)		mm	971 × 425 × 703	
Gross dimensions (W x D x H)		mm	1025×425×865	
Net weight / Gross weight		kg	56 / 67	
Operating outdoor	perating outdoor Cooling/ Heating		°C	-5-43 / -25-35
temperature			°C	-25~43
1) Seasonal energy efficiency class measured under average climate conditions.				

Notes: DHW - Domestic hot water, LWT - Leaving water temperature
The sound pressure level is measured 1m in front of the unit and (1+H)/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 lever reflect the maximum value tested under three conditions specified respectively in notes A7W35, ΔT=5; A7W45, ΔT=5; A7W55 ΔT=8; 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.



## Airmi Split heat pump

AISG40X10 [R14] / AIS40X1 i [R14]



#### **Device** features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C A++



Maximum COP 4,89



Operating range down to -25°C



Supply water temperature of 65°C



Smart Grid functionality



Twin rotary compressor



Integrated electric



Outdoor unit drip tray heater



Compressor crankcase heate



Indoor unit drip tray



Easy installation



Compact indoor split unit housing



Maximum installation length up to 15m



Silent mode



Integrated Wi-Fi module



Daily operation schedule



Configurable weekly schedules



Vacation mode



Menu in English



Multilanguage menu



Integrated temperature sensor



Weather operating



2 heating control



Dedicated application



Disinfection



Maximum leaving water temperature of 60°C (in DHW mode)



Prepared to create a cascade system



Modbus Protocol



### **Specification** indoor unit

Model				AIS40X1i R14
EAN Code				5905567602825
Operation modes				Heating and cooling
	Space cooling		°C	7-25
Leaving water temperature	Space heating		°C	25-65
	DHW (tank)		°C	25-60
Power supply			V-Hz, Ø	220-240-50, 1f
Rated input			W	3090
Operating current			A	13,9
Sound power level			dB	42
	Power supply		V-Hz, Ø	220-240-50, 1f
Electric heater	Number of heating stages		pcs	1
Electric fleater	Power		kW	3
	Maximum operating current		A	13,6
Net dimensions		(W x D x H)	mm	465 × 273 × 909
Gross dimensions		(W x D x H)	mm	525 × 345 × 960
Net weight / Gross weight			kg	34/38
	Water connections		mm (inch)	Ф33 (1,30)
	Pressure relief valve		MPa	0,3
	Condensate drain		mm	Ф12,7
	Expansion tank	Total volume	1	5
		Actual volume	1	2
Water circuit		Maximum pressure	MPa	0,5
		Initial pressure	MPa	0,15
	Heat exchanger	Туре		PHE / plate heat exchanger
		Minimum flow	l/min	10
	Water pump head		m	9
Water pump type			DC inverter	
Refrigerant circuit Liquid / Gas		mm	Φ6,35 / Φ15,88	
Minimal wire pcs and dimension of cords*			pcs × mm²	3×2,5
Control cables: indoor unit to outdoor unit			pcs × mm²	2 × 0,75 (shielded cable)

### **Specification** outdoor unit

Model				AISG40X1o R14
EAN Code				5905567602610
Power supply			V-Hz, Ø	220-240~50, 1f
	Capacity		kW	4,20
Heating	Rated input		kW	0,86
(A7/W35)	COP			4.89
	Capacity		kW	4,10
Heating	Rated input		kW	1.18
(A7/W45)	COP			3,47
	Capacity		kW	4,00
Heating	Rated input	kW		1,65
(A7/W55)	COP		NIV	2,42
	Capacity		kW	4,20
Cooling	Rated input		kW	0,78
(A35/W18)	EER		KYV	5,41
	-		kW	4,20
Cooling	Capacity			
(A35/W7)	Rated input		kW	1,35
	EER			3,12
	SCOP <sup>(1)</sup>			4,88
Seasonal energy efficiency	Rated heat output		kW	4,0
LWT at 35°C	Seasonal energy efficiency ratio (ηS)		96	192
	Annual energy consumption		kWh	1693
	Seasonal space heating energy efficiency	r class (1)		A+++
	SCOP (1)			3,40
	Rated heat output		kW	4,4
Seasonal energy efficiency LWT at 55°C	Seasonal energy efficiency ratio (ηS)		96	133
LWI dt 55%	Annual energy consumption		kWh	3038
	Seasonal space heating energy efficiency	nergy efficiency class (1)		A++
	LWT at 7°C			5,33
SEER	LWT at 18°C			8,29
Minimum rated current of the	overcurrent circuit breaker with breaker t	ype	A	B16
Compressor		Туре		Twin rotary inverter compressor DC
		Туре		Brushless DC motor / BLDC
Fan		Quantity		1
		Type		R32
		GWP		675
Refrigerant			kg	1,40
		Quantity	TCO,eq	0,945
	Liquid / Gas		mm	Φ6,35 / Φ15,88
	Minimum installation length		m	3
Pipe connections	Maximum installation length		m	15
	Additional amount of refrigerant for over	7.5 linear meters	g/m	20
	Outdoor unit above the indoor unit	7,3 iirleai meters		8
Maximum height difference			m m	8
Outdoor unit below the indoor unit  Minimal wire pcs and dimension of cords*		pcs × mm <sup>2</sup>	3×25	
Control cables: indoor unit to outdoor unit			-	3 × 2,5 2 × 0,75 (shielded)
			pcs × mm²	
Bracket spacing (W1 × D)			mm	624×425
Sound pressure level			dB(A)	44
Sound power level			dB(A)	56
Net dimensions (W x D x H)		mm	971 × 425 × 703	
Gross dimensions (W x D x H)		mm	1025 × 425 × 865	
Net weight / Gross weight		kg	56 / 67	
			°C	-5~43 / -25~35
Operating outdoor temperature	Cooling/ Heating DHW		°C	-25-43

Notes: DHW - Domestic hot water, LWT - Leaving water temperature
The sound pressure level is measured 1m in front of the unit and (1+H)/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 lever reflect the maximum value tested under three conditions specified respectively in notes A7W35, ΔT=5; A7W45, ΔT=5; A7W55 ΔT=8; 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.



# Airmi Split heat pump

AISW40X10 [R14] / AIS40X1 i [R14]











#### **Device** features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C A++



Maximum COP 4,89



Operating range down to -25°C



Supply water temperature of 65°C



Smart Grid functionality



Twin rotary compressor



Integrated electric



Outdoor unit drip tray heater



Compressor crankcase heate



Indoor unit drip tray



Easy installation



Compact indoor split unit housing



Maximum installation length up to 15m



Silent mode



Integrated Wi-Fi module



Daily operation schedule



Configurable weekly schedules



Vacation mode



Menu in English



Multilanguage menu



Integrated temperature sensor



Weather operating



2 heating control



Dedicated application



Disinfection



Maximum leaving water temperature of 60°C (in DHW mode)



Prepared to create a cascade system



Modbus Protocol



### **Specification** indoor unit

Model				AIS40X1i R14
EAN Code				5905567602825
Operation modes	Operation modes			Heating and cooling
	Space cooling		°C	7-25
Leaving water temperature	Space heating		°C	25~65
	DHW (tank)		°C	25~60
Power supply			V-Hz, Ø	220-240~50, 1f
Rated input			W	3090
Operating current			A	13,9
Sound power level			dB	42
	Power supply		V-Hz, Ø	220-240~50, 1f
Electric heater	Number of heating stages		pcs	1
Liectric riedter	Power		kW	3
	Maximum operating current		A	13,6
Net dimensions		(W x D x H)	mm	465×273×909
Gross dimensions		(W x D x H)	mm	525 × 345 × 960
Net weight / Gross weight			kg	34/38
	Water connections	onnections		Ф33 (1,30)
	Pressure relief valve		MPa	0,3
	Condensate drain		mm	Ф12,7
	Expansion tank	Total volume	1	5
Water circuit		Actual volume	1	2
water circuit		Maximum pressure	MPa	0,5
		Initial pressure	MPa	0,15
	Heat exchanger	Туре		PHE / plate heat exchanger
		Minimum flow	I/min	10
	Water pump head		m	9
Water pump type			DC inverter	
Refrigerant circuit Liquid / Gas			mm	Ф6,35 / Ф15,88
Minimal wire pcs and dimension of cords*			pcs × mm²	3×2,5
Control cables: indoor unit to	Control cables: indoor unit to outdoor unit			2 × 0,75 (shielded cable)

# **Specification** outdoor unit

Part	Model				AISW40X1o R14
Maning					
Maring					
MacCont   Mac	Power supply	le s			
MONOPO					
March				KW	
Note					
Maring	Heating				
Noting				kW	
Name				1 .	
Martin	Heating				,
Coding (ASW) 1/45 (Per plane)         W         4.00           (ASW) 1/45 (Per plane)         W         0.78           Coding (ASW) 1/45 (Per plane)         W         4.00           Coding (ASW) 1/45 (Per plane)         W         4.00           Coding (ASW) 1/45 (Per plane)         W         4.00           Assert Park Park Park Park Park Park Park Park				kW	
Cooling (ASOMS)         Text and larged					
AGSW18    Pace   Pa	Cooling				
Page				kW	
Cooling (ASMY)         Earl and larged					
ASSON	Cooling			kW	4,20
Seasonal energy efficiency		Rated input		kW	1,35
Note the distribution of the second energy efficiency ratio (n)   1 kg   1 kg	(	EER			3,12
Sessional energy efficiency producings (MP at 93% per an analysis) (MP at 93% per an analysis) (MP at 93% per an analysis) (MP at 93% per analysis)		SCOP(1)			4,88
No Fig. 1950         Amusil energy efficiency footopis         %         11/2           Amusil energy consumption         MP         1693           Amusil energy consumption         Separal space heating energy efficiency ratio by a separal energy ef		Rated heat output		kW	4,0
Musil energy consumption   Whi   16/3		Seasonal energy efficiency ratio (ηS)		96	192
Seasonal neign efficing y mining	LWI at 35°C	Annual energy consumption		kWh	1693
Minimum ristal profession length   Figure   F		Seasonal space heating energy efficiency	y class (1)		A+++
Seasonal energy efficiency prior (yS)   96   133   133   135		SCOP (1)			3,40
Seasonal energy efficiency prior (yS)   96   133   133   135		Rated heat output		kW	4,4
Annual energy concumption				96	133
Seasonal space heating energy efficiency states ** In the color of the co	LWT at 55°C			kWh	3038
SEAR         Main x 2 colspan="4">S.33           Minimum rated current of two work with broken ker with broken			v class (1)		
SER William rate during the verunet circuit breaker with breaker year.         M. A. BEG           Compressor Compre			,		
Minimum rated current circuit breaker with brea	SEER				
Compressor         Twin rotary inverter compressor DC           Fan Type	Minimum rated current of the		tyne	Δ.	
		overcontric en eate breaker with breaker			
Heringerant	Compressor				
Refrigerant         R	Fan				
Refrigerant         GW         GB         <					
Refrigerant         Pige annex of significant					
Pipe connections         Quantity         TCO_eq         0,945           Pipe connections           Maximum installation length         mm         6,635 / 015,88           Maximum installation length         m         15           Additional amount of refrigerant for owe 7.5 linear meters         g/m         20           Maximum height differente         0 m         8           Outdoor unit above the indoor unit         m         8           Minimal wire pcs and dimensions         orcs cris*         pcs x mm²         3 x 2,5           Control cables: indoor unit utdoor unit utdoor unit utdoor unit         pcs x mm²         2 x 3,75 (shielded)           Bracket spacing         (W1 x D)         mm         624 x 425           Sound pressure level         56           Sound pressure level         56           Sound pressure level         56           Sound pressure level         68(A)         56           Sound pressure level         68(A)         56           Net dimensions         (W x D x H)         mm         1025 x 425 x 85           Net weight / Cross weight         (W x D x H)	Refrigerant		GIII	lea	
Highed / Gas         mm         4 (Build / Gas         mm         6 (Gas) (Fig.88)           Maximum installation length         m         3           Maximum height difference         Musimum installation length         m         15			Quantity		
Pipe Connections         Minimum installation length         m.m.         3           Maximum installation length         m.m.         15           Auditional amount of refrigerant for over 5-linear meters         g/m         20         20           Maximum height difference for cords*         m.m.         m.m.         8         8           Minimal wire pcs and dimensions of cords*         pcs xmm²         pcs xmm²         9cs xmm²         3×25           Control Cables: indoor unit below the indoor unit         pcs xmm²         9cs xmm²         3×25           Control Cables: indoor unit below the indoor unit         pcs xmm²         9cs xmm²         3×25           Control Cables: indoor unit below the indoor unit         pcs xmm²         9cs xmm²         3×25           Control Cables: indoor unit below the indoor unit         pcs xmm²         4g/kl         4g/kl <th< td=""><td></td><td>1::475</td><td></td><td></td><td></td></th<>		1::475			
Pipe connections         Maximum installation length         m         15           Maximum height differend         Additional amount of refigearant for over 5 linear meters         g/m         20         20           Maximum height differend         Outdoor unit above the indoor unit V = V         m         8         8           Maximum height differend         Outdoor unit above the indoor unit V = V         m         9 ss x mm²         8           Minimal wire pcs and dimensiors         V = V         pcs x mm²         9 ss x mm²         1 s x mm²         2 x x x 75 (shielded)           Control cables: indoor unit V = V = V         M = V         M = V         2 x x x x x x x x x x x x x x x x x x x					
Additional amount of refrigerant for ow7.5 linear meters         g/m         20           Maximum height differente Maximum height differente Parameter of cords*         Cutdoor unit above the indoor unit         m         8           Minimal wire pcs and dimensions—of cords*         pcs x mm²         3 x 2.5           Control cables: indoor unit tutoor unit         ycs x mm²         2 x 2 x 0.75 (shielded)           Bracket spacing         (W1 x D)         mm         624 x 425           Sound prossure level         5 dB(A)         5 dB(A)           Sound power level         5 dB(A)         5 dB(A)           Net dimensions         (W x D x H)         mm         971 x 425 x 703           Gross dimensions         (W x D x H)         mm         1025 x 425 x 865           Operating outdoor         Colling/ Heating         °C         6 colling/ Heating         5 colling/ Heating	Pipe connections				
Maximum height difference         Outdoor unit above the indoor unit         m         8           Minimal wire pcss and dimere pcs and dim			751		
Maximum height different         Outdoor unit below the indoor unit         m         8           Minimal wire pcs and dimension of cords*         pcs xm²         3 x 2,5           Control Cables: Indoor unit to vior unit         pcs xm²         2 x 2,075 (shielded)           Fracket spacing         (M1 x D)         pcs xm²         62 x 42,5           Sound pressure level         4         44           Sound power level         48(A)         44           Net dimensions         (W x D x H)         mm         971 x 425 x 703           Gross dimensions         (W x D x H)         mm         1025 x 425 x 865           Net weight / Gross weight         kg         56 / 67           Operating outdoor         Colling/ Heating         *C         5-43 / 25-35			7,5 linear meters		
Numinal wire pcs and dimensions   Victor unit below the indoor unit Victor unit below the indoor unit Victor Vi	Maximum height difference				
Control cables: indoor unit to door unit         pcs x mm²         2 x 0.75 (shielded)           Bracket spacing         (W1 x D)         mm         624 x 425           Sound pressure level         44         44           Sound power level         56         56           Net dimensions         (W x D x H)         mm         971 x 425 x 703           Gross dimensions         (W x D x H)         mm         1025 x 425 x 865           Net weight / Gross weight         66 / 67         56 / 67           Operating ouddoor         Cooling/ Heating         °C         5-5-43 / -25-35	Outdoor unit below the indoor unit				
Bracket spacing         (W1 × D)         mm         624 × 425           Sound pressure level         44         44           Sound prower level         56         56           Net dimensions         (Wx Dx H)         mm         971 × 425 × 703           Gross dimensions         (Wx Dx H)         mm         1025 × 425 × 865           Net weight / Gross weight         fg         56 / 67           Operating outdoor         Cooling/ Heating         °C         5-5-43 / 25-35					
Sound pressure level         dB(A)         44           Sound power level         dB(A)         56           Net dimensions         (W×D×H)         mm         971×425×703           Gross dimensions         (W×D×H)         mm         1025×425×865           Net weight / Gross weight         kg         56 / 67           Operating outdoor         Cooling/ Heating         *C         -5-43/-25-35			-		
Sound power level         56           Net dimensions         (W x D x H)         mm         971 x 425 x 703           Gross dimensions         (W x D x H)         mm         1025 x 425 x 865           Net weight / Gross weight         kg         56 / 67           Operating outdoor         Cooling/ Heating         *C         -5-43 / -25-35					
Net dimensions         (W x D x H)         mm         971 x 425 x 703           Gross dimensions         (W x D x H)         mm         1025 x 425 x 865           Net weight / Gross weight         kg         56 / 67           Operating outdoor         Cooling/ Heating         °C         -5-43 / -25-35					
Gross dimensions         (W x D x H)         mm         1025 x 425 x 865           Net weight / Gross weight         kg         56 / 67           Operating outdoor         Cooling/ Heating         °C         -5-43 / -25-35	•		dB(A)	· ·	
Net weight / Gross weight         kg         56 / 67           Operating outdoor         Cooling/ Heating         °C         -5-43 / -25-35	Net dimensions (W x D x H)		mm		
Operating outdoor Cooling/ Heating *C -5-43 / -25-35	Gross dimensions (W x D x H)		mm	1025 × 425 × 865	
	Net weight / Gross weight		kg	56 / 67	
				°C	-5-43 / -25-35
				°C	-25-43

Notes: DHW - Domestic hot water, LWT - Leaving water temperature
The sound pressure level is measured 1m in front of the unit and (1+H)/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 lever reflect the maximum value tested under three conditions specified respectively in notes A7W35, ΔT=5; A7W45, ΔT=5; A7W55 ΔT=8; 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.