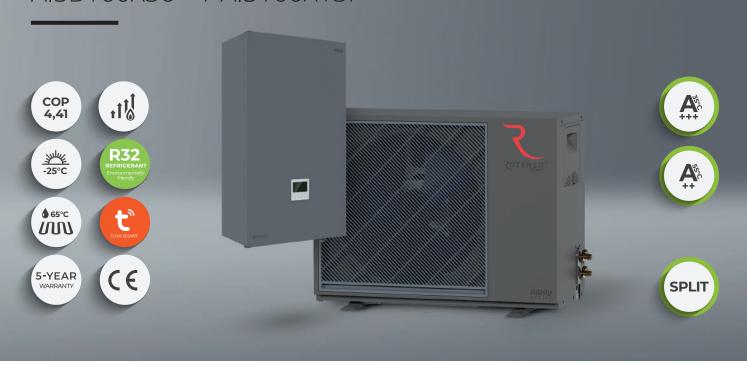


Airmi Split heat pump

AISB160X30 [R14] / AIS160X13i [R14]



Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C A++



Maximum COP 4,41



Operating range down to -25°C



Supply water temperature of 65°C



Smart Grid functionality



Twin rotary compressor



Integrated electric heater



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 modes (climate curve)



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				AIS160X13i R14
EAN Code				5905567602887
Operation modes				Heating and cooling
	Space cooling		°C	7-25
Leaving water temperature	Space heating	Space heating		25-65
	DHW (tank)		°C	25–60
Power supply			V-Hz, Ø	220-240-50, 1f / 380-415-50, 3f
Rated input			W	9090
Operating current			A	13,9
Sound power level			dB	42
	Power supply		V-Hz, Ø	220-240-50, 1f / 380-415-50, 3f
Electric heater	Number of heating stages		pcs	3
Electric fleater	Power		kW	9
	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	44 / 49
	Water connections		mm (inch)	Ф33 (1,30)
	Pressure relief valve		MPa	0,5
	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	gerant circuit Liquid / Gas		mm	Φ9,52 / Φ15,88
Power cables: indoor unit			pcs × mm²	5×4
Control cables: indoor unit to outdoor unit			pcs × mm²	2 × 0,75 (shielded cable)

Specification outdoor unit

Model				AISB160X3o R14
EAN Code				5905567602672
			V-Hz, Ø	380-420-50, 3f
Power supply Capacity		kW	16,20	
Heating	Rated input		kW	3,67
(A7/W35)	COP		KYY	4,41
			kW	
Heating	Capacity			16,20
(A7/W45)	Rated input		kW	4,48
	COP		1 .	3,62
Heating	Capacity		kW	16,20
(A7/W55)	Rated input		kW	5,59
	COP			2,90
Cooling	Capacity		kW	14,90
(A35/W18)	Rated input		kW	4,38
, , , ,	EER			3,41
Cooling	Capacity		kW	14,00
(A35/W7)	Rated input		kW	5,71
(103/11/)	EER			2,45
	SCOP ⁽¹⁾			4,87
	Rated heat output		kW	14,4
Seasonal energy efficiency	Seasonal energy efficiency ratio (ηS)		96	192
LWT at 35°C	Annual energy consumption		kWh	6095
	Seasonal space heating energy efficience	cy class (1)		A+++
	SCOP (1)	<u></u>		3,69
	Rated heat output		kW	13.0
Seasonal energy efficiency	Seasonal energy efficiency ratio (ηS)		96	144
LWT at 55°C	Annual energy consumption		kWh	7302
	Seasonal space heating energy efficience	avelace (I)		A++
	LWT at 7°C	y class ··		5,23
SEER	LWT at 18°C			7,78
Maniana				16
Maximum overcurrent protect	tion (MOP)		A	
Minimum circuit amps (MCA)		_	A	12
Compressor		Type		Twin rotary inverter compressor DC
Fan		Туре		Brushless DC motor / BLDC
		Quantity		1
		Туре		R32
Refrigerant		GWP		675
		Quantity	kg	1,84
			TCO₂eq	1,242
	Liquid / Gas		mm	Φ9,52 / Φ15,88
Pipe connections	Minimum installation length		m	3
Tipe confections	Maximum installation length		m	15
	Additional amount of refrigerant for over	7,5 linear meters	g/m	38
Maximum height difference	Outdoor unit above the indoor unit		m	8
Maximum neight dilierence	Outdoor unit below the indoor unit		m	8
Power cables: outdoor unit		pcs × mm²	5×4	
Control cables: indoor unit to outdoor unit		pcs × mm²	2×0.75 (shielded cable)	
Bracket spacing (W1 × D)		mm	654×493	
Sound pressure level		dB(A)	54	
Sound power level		dB(A)	68	
Net dimensions (W x D x H)		mm	1099 × 436 × 854	
Gross dimensions (W x D x H)		mm	1165×495×1040	
		kg	108/123	
Net weight / Gross weight Cooling / Hosting		°C	-5~43 / -25~35	
Operating outdoor temperature	Operating outdoor Cooling/ Heating		°C	-5-43 / -25-35 -25-43
temperature	DHW DHW			-2.3*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)Zm (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; 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) Np.



Airmi Split heat pump

AISG160X30 [R14] / AIS160X13i [R14]



Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C A++



Maximum COP 4,41



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 and maintenance



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 modes (climate curve)



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				AIS160X13i R14
EAN Code				5905567602887
Operation modes				Heating and cooling
Leaving water temperature	Space cooling		°C	7-25
	Space heating		°C	25~65
	DHW (tank)		°C	25~60
Power supply			V-Hz, Ø	220-240-50, 1f / 380-415-50, 3f
Rated input			W	9090
Operating current			A	13,9
Sound power level			dB	42
	Power supply		V-Hz, Ø	220-240-50, 1f / 380-415-50, 3f
Electric heater	Number of heating stages		pcs	3
Liceric redict	Power		kW	9
	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	44 / 49
	Water connections		mm (inch)	Ф33 (1,30)
	Pressure relief valve		MPa	0,5
	Condensate drain		mm	Ф12,7
	Expansion tank	Total volume	l l	5
Water circuit		Actual volume	l l	2
water circuit		Maximum pressure	MPa	0,5
		Initial pressure	MPa	0,15
	Heat exchanger	Type		PHE / plate heat exchanger
		Minimum flow	I/min	10
	Water pump head		m	9
	Water pump type			DC inverter
Refrigerant circuit	ruit Liquid / Gas		mm	Φ9.52 / Φ15.88
Power cables: indoor unit			pcs × mm²	5×4
Control cables: indoor unit to outdoor unit			pcs × mm²	2×0.75 (shielded cable)

Specification outdoor unit

Model				AISG160X3o R14
EAN Code				5905567602740
Power supply			V-Hz, Ø	380-420~50, 3f
т омет заррту	Capacity			16,20
Heating	Rated input		kW	3,67
(A7/W35)	COP			4.41
	Capacity		kW	16,20
Heating	Rated input		kW	4.48
(A7/W45)	COP			3,62
	Capacity		kW	16,20
Heating	Rated input		kW	5,59
(A7/W55)	COP			2,90
	Capacity		kW	14,90
Cooling	Rated input		kW	4,38
(A35/W18)	EER		KW	3,41
	Capacity		kW	14,00
Cooling	Rated input		kW	5,71
(A35/W7)	EER EER		KVV	2,45
	SCOP(1)			4,87
			kW	
Seasonal energy efficiency	Rated heat output			14.4
LWT at 35°C	Seasonal energy efficiency ratio (ηS)		96	192
	Annual energy consumption		kWh	6095
	Seasonal space heating energy efficience	y class (1)		A+++
	SCOP (1)			3,69
Seasonal energy efficiency	Rated heat output		kW	13,0
LWT at 55°C	Seasonal energy efficiency ratio (ηS)		96	144
	Annual energy consumption		kWh	7302
	Seasonal space heating energy efficience	y class (1)		A++
SEER	LWT at 7°C			5,23
	LWT at 18°C			7,78
Maximum overcurrent protect	ction (MOP)		A	16
Minimum circuit amps (MCA)			A	12
Compressor		Туре		Twin rotary inverter compressor DC
Fan		Туре		Brushless DC motor / BLDC
1011		Quantity		1
		Туре		R32
Refrigerant		GWP		675
Nemgerand		Quantity	kg	1,84
		Quantity	TCO ₂ eq	1,242
	Liquid / Gas		mm	Ф9,52 / Ф15,88
Pipe connections	Minimum installation length		m	3
ripe confilections	Maximum installation length		m	15
	Additional amount of refrigerant for over	7,5 linear meters	g/m	38
	Outdoor unit above the indoor unit		m	8
Maximum height difference	Outdoor unit below the indoor unit		m	8
Power cables: outdoor unit		pcs × mm²	5×4	
Control cables: indoor unit to outdoor unit		pcs × mm²	2×0.75 (shielded cable)	
Bracket spacing (W1 × D)		mm	654×493	
Sound pressure level		dB(A)	54	
Sound power level		dB(A)	68	
Net dimensions (W x D x H)		mm	1099 × 436 × 854	
Gross dimensions (W x D x H)		mm	1165 × 495 × 1040	
Net weight / Gross weight		kg	108/123	
Operating outdoor Cooling/ Heating		°C	-5~43 / -25~35	
temperature			°C	-25-43
	nperature DNW			

(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)Zm (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; 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) Np.



Airmi Split heat pump

AISW160X30 [R14] / AIS160X13i [R14]











Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C A++



Maximum COP 4,41



Operating range down to -25°C



Supply water temperature of 65°C



Smart Grid functionality



Twin rotary



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				AIS160X13i R14
EAN Code				5905567602887
Operation modes				Heating and cooling
Leaving water temperature	Space cooling		°C	7-25
	Space heating		°C	25-65
	DHW (tank)		°C	25-60
Power supply			V-Hz, Ø	220-240-50, 1f / 380-415-50, 3f
Rated input			W	9090
Operating current			A	13,9
Sound power level			dB	42
	Power supply		V-Hz, Ø	220-240-50, 1f / 380-415-50, 3f
Electric heater	Number of heating stages		pcs	3
Electric rieater	Power		kW	9
	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	44 / 49
	Water connections		mm (inch)	Ф33 (1,30)
	Pressure relief valve		MPa	0,5
	Condensate drain		mm	Ф12,7
	Expansion tank	Total volume	I	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	nt circuit Liquid / Gas			Φ9,52 / Φ15,88
Power cables: indoor unit			pcs × mm²	5×4
Control cables: indoor unit to outdoor unit			pcs × mm²	2 × 0,75 (shielded cable)

Specification outdoor unit

Model				AISW160X3o R14
EAN Code				5905567602818
			V-Hz, Ø	380-420-50, 3f
Power supply Capacity		kW		
Heating	Capacity Rated input			16,20
(A7/W35)			kW	3,67
	COP		1111	4,41
Heating	Capacity		kW	16,20
(A7/W45)	Rated input		kW	4,48
	COP			3,62
Heating	Capacity		kW	16,20
(A7/W55)	Rated input		kW	5,59
	COP			2,90
Cooling	Capacity		kW	14,90
(A35/W18)	Rated input		kW	4,38
(EER			3,41
- ·	Capacity		kW	14,00
Cooling (A35/W7)	Rated input		kW	5,71
(CS/11/)	EER			2,45
	SCOP(1)			4,87
	Rated heat output		kW	14,4
Seasonal energy efficiency	Seasonal energy efficiency ratio (ηS)		96	192
LWT at 35°C	Annual energy consumption		kWh	6095
	Seasonal space heating energy efficience	v class ⁽¹⁾		A+++
	SCOP (1)			3,69
	Rated heat output		kW	13.0
Seasonal energy efficiency	Seasonal energy efficiency ratio (ηS)		96	144
LWT at 55°C	Annual energy consumption		kWh	7302
	Seasonal space heating energy efficience	v class (I)	KWII	A++
	LWT at 7°C	y class ··		5,23
SEER	LWT at 18°C			7,78
Maniana			Α	16
Maximum overcurrent protec	tion (MOP)		A	12
Minimum circuit amps (MCA)		T	A	
Compressor		Type		Twin rotary inverter compressor DC
Fan		Туре		Brushless DC motor / BLDC
		Quantity		<u> </u>
		Туре		R32
Refrigerant		GWP		675
_		Quantity	kg	1,84
			TCO₂eq	1,242
	Liquid / Gas		mm	Ф9,52 / Ф15,88
Pipe connections	Minimum installation length		m	3
	Maximum installation length		m	15
	Additional amount of refrigerant for over	7,5 linear meters	g/m	38
Maximum height difference	Outdoor unit above the indoor unit		m	8
Waximum neight difference	Outdoor unit below the indoor unit		m	8
Power cables: outdoor unit		pcs × mm²	5×4	
Control cables: indoor unit to outdoor unit		pcs × mm²	2 × 0,75 (shielded cable)	
Bracket spacing (W1 × D)		mm	654 × 493	
Sound pressure level		dB(A)	54	
Sound power level		dB(A)	68	
Net dimensions (W x D x H)		mm	1099 × 436 × 854	
Gross dimensions (W x D x H)		mm	1165 × 495 × 1040	
Net weight / Gross weight			kg	108/123
Operating outdoor Cooling/ Heating		°C	-5~43 / -25~35	
temperature	DHW		°C	-25-43
toporotore	DUM.			-20 40

⁽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)Zm (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; 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) Np.