

Airmi Monoblock heat pump

AIMW80X1 [R14]

























Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C A++



Maximum COP 4,50



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



Easy installation and maintenance



Silent mode



WiFi module in wired controller



Daily operation schedule



Configurable weekly schedules



Vacation mode



Menu in English



Multilanguage menu



Integrated temperature sensor



Weather operating modes (climate curve)



2 heating control zones



Dedicated application



Disinfection



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



Prepared to create a cascade system



Modbus Protocol



Specification outdoor unit

Power upply					
Money 1960	Model				AIMW80X1 R14
Marie	EAN Code				5905567602429
Marie	Power supply			V-Hz, Ø	220-240~50, 1f
Marging Ma		Canacity			
Manage	Heating				
# Management of the control of the				kW	
Montpage Montpa		COP			4,50
Mary		Capacity		kW	8,30
Mary		Rated input		kW	2,61
NAME	(A//W45)	COP			318
Memory				Law	
Marcon	Heating				
Market (Ministry) Ministry (Ministry)	(A7/W55)	Rated input		kW	
Oxide Book frequency 000 1.75 Oxide 100 7.70 Oxide 100 100 Oxide 100 <		COP			2,58
Mary No.		Capacity		kW	8,20
1000000000000000000000000000000000000				kW	1.75
Marie Ma	(A35/W18)				
Marie Mar				Law	
Manual of the Control of the Cont	Cooling				
1000 1000		Rated input		kW	
Section Sec		EER			2,97
# A STATE OF THE PROPERTY OF		SCOP (I)			4,62
# A STATE OF THE PROPERTY OF	Forconal	Rated heat output		kW	7,4
Ministry	efficiency				
Manual Association Manual Manual Association Manual					
				kWh	
Many					
## STATE OF THE PROPERTY OF T		SCOP (1)			3,32
## STATE OF THE PROPERTY OF T	Seasonal energy	Rated heat output		kW	6,70
Marial unity consumption Mine					
Section Sec					
50 Min are 100 min and content of the open content crout breaker type A 8.31 Minimum rated content of the open content crout breaker type A 932 Congression - Final Property - Pr				KIIII	
Signed Month and large of the oversure stroth shalled with Found stopped programs 1 minutes of the oversure stroth shalled with Found stopped programs 1 minutes of the oversure stroth shalled with Found stopped programs 1 minutes of the oversure stroth stroth stroth stroth stopped programs 1 minutes of the oversure stroth strot					
Minimum read current of the security of the	SEER	LWT at 7°C			5,17
Compension Type Type Residence of the compension of the compen		LWT at 18°C			8,31
Fig. 1992 Brukhes C. mace / BDC Refigerant Fig. 10 PM Refigerant Fig. 10 PM BDC April 1992 Fig. 1992 BDC Marriar with removal of cords** PB Sec Marriar With Year 2 PD Marriar With Year 2 PD BBC	Minimum rated curr	rent of the overcurrent circuit breaker w	ith breaker type	A	B32
Fig. 1992 Brukhes C. mace / BDC Refigerant Fig. 10 PM Refigerant Fig. 10 PM BDC April 1992 Fig. 1992 BDC Marriar with removal of cords** PB Sec Marriar With Year 2 PD Marriar With Year 2 PD BBC	Compressor		Type	-	Twin rotary inverter compressor DC
Fig. 1. Page					
Purpose	Fan				
Refigerant OWP 4g 1.3 Minimal wing board of direstion of code* VEX. pg 0.878 1.3 Sound pressure lived of direction of code* VEX. pg 3 × 6 3 × 6 Sound pressure lived of the sign of code* VEX. pg 4 × 6 4 × 6 Sound pressure lived of the sign of code in sign of the sign of					
Refrigenant					R32
No contain motion of circle	2.6		GWP		675
Minimal wite para and cords**	Ketrigerant			kg	1,3
Minmal wings and dimension of cords* pcs. mml 3 + 6 Bradest spacing (Wi Y W2 x D) mm 624-223-425 Sound persoane level dBAD 46 Sound persoane level dBAD 59 Mind dimensions** (Wi X D x H) mm 1125-425-703 Gross dimensions*** (Wi X D x H) mm 1200-425-485 Net weight / Gross vertex** (Wi X D x H) mm 1200-425-485 Net weight / Gross vertex** 1°C 25-43.725-35 teeping author 0°C 25-43.725-35 Devil Units** 1°C 25-43.725-35 Electric Netter 5pace cooling 1°C 7-25 Space heating 1°C 7-25 Devil Units** 1°C 25-40 Power 90es supply 1°C 25-40 Number of relating stages 1°C 10 Name of relating stages 1°C 10 Name of relating stages 1°C 13 Name of relating stages 1°C 10 Powe			Quantity		0.878
Bracket spangy (M1 + W2 + D) mm 624-229-425 Sound poser level - 688/A) 46 Sound poser level (M × X × Y) mm 1125 x - 425 x 703 Not directions (M × X × Y) mm 1125 x - 425 x 703 Overating uniform (Soling/Hang) - 72 425 x 455 x 703 Not weight / Gross weight 60 25.7 96 25.7 96 Operating uniform (Soling/Hang) ° C 25-43 Operating uniform 5pace cooling ° C 25-43 Clearing uniform 5pace pearing ° C 7-25 Space pearing ° C 25-66 Space pearing ° C 25-66 Space pearing ° C 25-66 Power supply Number of heating stages ° VHz, a 20-24-95,11 Water connections mm (nct) 933 (130) Water connections mm (nct) 933 (130) Water connections mm (nct) 933 (130) Water connections mm (nct) 1 2	Minimal wire nes an	Minimal wire ner and dimension of cordex			
Sound pressure level 680A) 46 Sound pressure level 680A) 59 Kond power level (NX D X H) mm 1125 × 425 × 703 Kord dimensions (NX D X H) mm 1200 × 425 × 865 Kork weight / Cross weight lig 62.7 × 95 Net weight / Cross weight fc 2.5 × 43 × 25 × 33 Operation modes fc 2.5 × 43 × 25 × 33 Operation modes fc 2.5 × 43 × 25 × 33 Operation modes fc 2.5 × 43 × 25 × 33 Operation modes fc 2.5 × 43 × 25 × 33 Operation modes fc 2.5 × 43 × 25 × 33 Operation modes fc 2.5 × 43 × 25 × 33 Operation modes fc 2.5 × 43 × 25 × 33 Operation modes fc 2.5 × 43 × 25 × 33 Operation modes fc 2.5 × 43 × 25 × 33 Operation modes fc 2.5 × 43 × 25 × 33 Operation modes fc 2.5 × 43 × 25 × 33 Operation modes fc 2.5 × 43 × 25 × 33 Operation modes		id differsion of colds			
Sound power level M(M × D × H) mm 1125 × 425 × 703 One dimensions (M × D × H) mm 1120 × 425 × 865 One state plant / Gross sime for the preparature (M × D × H) mm 1200 × 425 × 865 Operating puddent of preparature Colling / Hearing °C 6.25 × 43 72-53 Operating modes *** C 4.55 × 43 72-53 Department of the preparature Space cooling °C 72-55 Operating modes *** C 25-63 Temperature Space cooling °C 25-65 Operating modes *** C 25-65 Hearting and cooling *** C 25-65 Developed Transplants *** C 25-60 Power supply *** VHz, Ø 20-20-30-50, H Developed Transplants N/W 3 3 Power supply N/W 33 (30) 3 Pressure relief valve N/W 93 (30) 3 Value of Confessed drain Image: Confessed drain Image: Confessed drain 1 2 <td></td> <td></td> <td>(W1 × W2 × D)</td> <td></td> <td></td>			(W1 × W2 × D)		
Net dimensions (W x D x H) mm 1125 x 425 x 703 Gross dimensions (W x D x H) mm 1200 x 425 x 865 Net weight / Consult V 8 8.2.7 96 Operating outdow temperature Coding / Heating °C 1.5 - 43 / 25 - 35 Copyration modes *** *** *** *** Copyration modes *** ** *** *** ***<	Sound pressure leve	el		dB(A)	46
Gross dimensions (W x D x H) mm 1200 × 425 × 865 Net weight / Gross west / G	Sound power level			dB(A)	59
Net weight / Gross-weight Ng 62.5/96 Operating outdoor repertative Condering (place) Condering (place) Condering (place) Operation modes VEX. Post (place)	Net dimensions		(W x D x H)	mm	1125×425×703
Net weight / Gross-weight Ng 62.5/96 Operating outdoor repertative Condering (place) Condering (place) Condering (place) Operation modes VEX. Post (place)	Gross dimensions				
Operating output Ociding / Heating Colling / Heating General Colling Gen				mm	
Commonsis		weight			
Operation modes Heating and cooling Leaving water temperature Space cooling °C 7-25 DPM (tank) °C 25-60 DPM (tank) °C 25-60 Description of the participal stages VHz, Ø 2020-240-50.1f Number of heating stages pcs 1 Power 3 Maximum operating current MW 33.6 Maximum operating current mm (nch) 933 (1,30) Pressure relief valve mm (nch) 933 (1,30) Condensate drain mm 91,27 Condensate drain mm 91,27 Condensate drain 1 5 Actual volume 1 5 Actual volume 1 5 Actual volume MPa 0.5 Maximum pressure MPa 0.5 Maximum pressure MPa 0.1 Actual volume 1				kg	82,5 / 96
Leaving water femperature Space cooling °C 25-65 DHW (tank) °C 25-60 DHW (tank) °C 25-60 Mumber of heating stages V-Hz Ø 202-40-50.1f Number of heating stages pcs 1 Power MW 3 Maximum operating current A 13.6 Maximum operating current A 13.6 Ondensate drain mm (nch) 933 (1,30) Pressure relief valve mm 912.7 Condensate drain mm 912.7 Actual volume 1 5 Actual volume 1 2 Maximum pressure MPa 0.5 Maximum pressure MPa 0.5<		Cooling / Heating		kg °C	82,5 / 96 -5-43 / -25-35
Leaving water temperature Space hearing °C 25-65 DHV (rank) °C 25-60 V-Hz, Ø 220-240-50, 1f Marker of heating stages pcs 1 Power IkW 3 Maximum operating current A 13,6 Maximum operating current MPa 0,3 Pressure relief valve MPa 0,3 Concessate drain mm 0,12,7 Concessate drain mm 0,2 Actual volume I 5 Actual volume I 2 Maximum pressure MPa 0,5 Initial pressure MPa 0,5 Maximum pressure MPa 0,15 Maximum pressure MPa 0,15 Maximum pressure MPa 0,15 <td>temperature</td> <td>Cooling / Heating</td> <td></td> <td>kg °C</td> <td>82,5 / 96 -5-43 / -25-35 -25-43</td>	temperature	Cooling / Heating		kg °C	82,5 / 96 -5-43 / -25-35 -25-43
Leaving water temperature Space heating °C 25-65 DHV (rank) °C 25-60 Electric heater Power supply V-Hz, Ø 220-240-50, 1f Number of heating stages pcs 1 Power kW 3 Maximum operating current A 13,6 Maximum operating current MPa 0,3 Pressure relief valve MPa 0,3 Condensate drain mm 012,7 Condensate drain mm 5 Actual volume I 5 Actual volume I 2 Maximum pressure MPa 0,5 Initial pressure MPa 0,5 Maximum pressure <t< td=""><td>temperature</td><td>Cooling / Heating</td><td></td><td>kg °C</td><td>82,5 / 96 -5-43 / -25-35 -25-43</td></t<>	temperature	Cooling / Heating		kg °C	82,5 / 96 -5-43 / -25-35 -25-43
DHW (tank)	temperature Operation modes	Cooling / Heating DHW		kg °C °C	82,5 / 96 -5-43 / -25-35 -25-43 Heating and cooling
Power supply	temperature Operation modes Leaving water	Cooling / Heating DHW Space cooling		kg °C °C	82,5 / 96 -5-43 / -25-35 -25-43 Heating and cooling 7-25
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Power	temperature Operation modes Leaving water	Cooling / Heating DHW Space cooling Space heating DHW(tank)		kg %C %C %C %C	82,5 / 96 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-65 25-60
Power	temperature Operation modes Leaving water	Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply		kg	82,5 / 96 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-65 25-60 220-240-50, 1f
Water connections	temperature Operation modes Leaving water temperature	Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply		kg	82,5 / 96 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-65 25-60 220-240-50, 1f
Water connections	temperature Operation modes Leaving water temperature	Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages		kg °C °C °C °C V-Hz, Ø pcs	82,5 / 96 -5-43 / -25-35 -25-43 Heating and cooling 7-25 -25-65 -25-60 -220-240-50, 1f
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Water circuit Expansion tank Maximum pressure MPa 0,5 Initial pressure MPa 0,15 Heat exchanger Type PHE / plate heat exchanger Winimum flow Vmin 10 Water pump head m 9 Water pump type DC inverter Total water volume I 0,86	temperature Operation modes Leaving water temperature	Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve		kg °C °C °C °C V-Hz, Ø pcs kW A mm (inch) MPa	82,5 / 96 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-66 25-66 25-60 220-240-50, 1f 1 3 13,6 433 (1,30) 0,3 412,7
Water pump head Maximum pressure MPa 0.5 Heat exchanger Type PHE / plate heat exchanger Water pump head Image: Pressure with p	temperature Operation modes Leaving water temperature	Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve	Total volume	kg °C °C °C °C V-Hz, Ø pcs kW A mm (inch) MPa	82,5 / 96 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-65 25-65 220-240-50, 1f 1 3 13,6 433 (1,30) 0,3 412,7 5
Initial pressure	temperature Operation modes Leaving water temperature	Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain	Total volume	kg °C °C °C °C V-Hz, Ø pcs kW A mm (inch) MPa	82,5 / 96 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-65 25-65 220-240-50, 1f 1 3 13,6 433 (1,30) 0,3 412,7 5
Heat exchanger	temperature Operation modes Leaving water temperature Electric heater	Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain	Total volume Actual volume	kg °C °C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm	82,5 / 96 -5-43 / -25-35 -25-43 Heating and cooling 7-25 -25-65 -25-60 -220-240-50, 1f -1 -3 -3 -13,6 -033 (1,30) -0,3 -0,12,7 -5 -5 -2
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Minimum flow	temperature Operation modes Leaving water temperature Electric heater	Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain	Total volume Actual volume Maximum pressure Initial pressure	kg °C °C °C °C V-Hz,Ø pcs kW A mm (inch) MPa mm	82,5 / 96 -5-43 / -25-35 -25-43 Heating and cooling -7-25 25-65 25-60 220-240-50, 1f 1 3 3 13,6 4033 (1,30) 0,3 412,7 5 2 0,5 0,15
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	temperature Operation modes Leaving water temperature Electric heater	Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain Expansion tank Heat exchanger Water pump head	Total volume Actual volume Maximum pressure Initial pressure Type	kg °C °C °C °C V-Hz, Ø pcs kW A mm (inch) MPa mm I I I I MPa MPa MPa	82,5 / 96 .5-43 / -25-35 .25-43 Heating and cooling 7-25 25-65 25-66 25-60 220-240-50, 1f 1 3 3 13,6 433 (1,30) 0,3 412,7 5 2 0,5 0,15 PHE / plate heat exchanger 10 9
	temperature Operation modes Leaving water temperature Electric heater	Cooling / Heating DHW Space cooling Space heating DHW (tank) Power supply Number of heating stages Power Maximum operating current Water connections Pressure relief valve Condensate drain Expansion tank Heat exchanger Water pump head Water pump head	Total volume Actual volume Maximum pressure Initial pressure Type	kg °C °C °C °C V-Hz, Ø pcs kW A mm(inch) MPa mm I I MPa MPa MPa	82,5 / 96 -5-43 / -25-35 -25-43 Heating and cooling 7-25 25-65 25-65 22-60 220-240-50, 1f 1 3 13,6 433 (1,30) 0,3 412,7 5 2 0,5 0,15 PHE / plate heat exchanger 10 9 DC inverter

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

(T) Seasonal energy enlicative Custom Readured United average united Exhibitions.

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 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) 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.