

Airmi Monoblock heat pump

AIMB140X3 [R14]

























Device features



Environmentally friendly refrigerant R32



Efficient heating



Energy efficiency class at 35°C



Energy efficiency class at 55°C A++



Maximum COP 4,84



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

Marcon	•					
March 1970	Model				AIMB140X3 R14	
March 1970	EAN Code				5905567602450	
Minima				V-Hz. Ø		
### 1987年		Canacity				
Marie Mar	Heating					
Marie Mar	(A7/W35)			KW		
### Page 1						
Mary	Heating				14,50	
Codey		Rated input		kW	3,89	
March Mar	(1071113)	COP			3,72	
March Mar		Capacity		kW	13,80	
Control Con	Heating					
	(A7/W55)			N. F.		
Section Part Part Section Par				T		
Main of the Content of the Conten	Cooling	Capacity				
Code				kW	3,10	
Solition		EER			4,56	
Main		Capacity		kW	14,30	
Mary 100 10		Rated input		kW	5,11	
March Mar	(A35/W/)					
Ministry						
## Many and Page Section denogenal professory and Policy 1846 184				1,111		
Mail always groundpoin	Seasonal energy					
Marie Mar	efficiency LWT at 35°C					
March Mar				kWh	5821	
March Mar					A+++	
Manual Page					3,62	
## Section Page Pa	C			kW	12.40	
Maria showing consumption With Maria						
Minimus reactour spece in terms of the control special spec						
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2111 00 00 0			KVVII		
Marian rate day Maria M					A++	
Minimun and current file researce record beaker wise in the general record beaker wise in the searce record beaker wise in the sear	CEED	LWT at 7°C			5,59	
Compressor Type Two many inventor compressor DC Final Type Brundless DC moor / BLDC A pring of more compressor DC A principle of more compressor DC<	LWT at 18°C				8,33	
Parameter Param				A	B25	
Parameter Param	Compressor		Type		Twin rotary inverter compressor DC	
Page						
Refrigerant - Fig. 1	Fan					
Refractable GNP 67 675 100 <td< td=""><td colspan="2"></td><td colspan="2"></td><td>·</td></td<>					·	
Position						
Minimal wire ps. and dimension of cords*	Dofrigorant	GWP			675	
Minday with pics and d mineston of circles*	Reingerant		Quantity	kg	2,1	
Broket spacing (W1 × W2 × D) mm 654-280-493 Sound power level − − − − − − − − − − − − − − − − − − −			Quantity	TCO₂eq	1,417	
Broket spacing (W1 × W2 × D) mm 654-280-493 Sound power level − − − − − − − − − − − − − − − − − − −	Minimal wire pcs and dimension of cords*		pcs × mm²	5×4		
Sound pressure level dB(A) 65 Sound pressure level dB(A) 65 Kord dimensions				654x2R0x493		
Sound power level Sound power level (M x D x H) mm 1203 x 493 x 896 (M x D x H) Once dimension						
Net dimensions (W x D x H) mm 1203 x 493 x 860 Gross dimensions (W x D x H) mm 1203 x 493 x 860 Ket weight / Gross weight (W x D x H) mm 1205 x 493 x 595 x 1040 Operating quidogo temperative temperative Colling / Heating ~ °C						
Gross dimensions (W x D x H) mm 1285 x 495 x 1040 Net weight/ Gross v=0ft for						
Net weight / Gross-with Coperaing quoting quot			mm			
Operating outlows feetings and reference fe	Gross dimensions (W x D x H)		mm	1285 × 495 × 1040		
Operating outlows feetings and reference fe	Net weight / Gross weight		kg	140 / 159		
Coperation modes YC 1.25-43 Leaving water temperature temperature Space cooling YC 7-25 Space keating YC 25-65 DHW (ank) YC 25-60 Blectric heating Power supply VHz, Ø 380-420-50, 3f Maximum operating current Pox 9 3 Maximum operating current MX 9 Pressure relief valve MR 933 (1,30) Water circle Maximum operating current MR 933 (1,30) Water circle for supplied with a circle	Operating outdoor	Cooling / Heating	ooling / Heating		-5~43/-25~35	
Operation modes Heating and cooling Leaving water temperature Space cooling °C 7-25 50HW (tank) °C 25-65 DHW (tank) °C 25-60 Mumber of heating stages 9 380-40-90.3f Number of heating stages pcs 3 Power kW 9 Maximum operating current A 13.6 Maximum operating current A 13.6 Condensate drain mm (inch) 93(1.30) Pressure relief valve mm 0.3 Condensate drain in 5 Actual volume 1 5 Maximum pressure MPa 0.5 Maximum pressure MPa 0.5 Heat exchanger MPa 0.15 Maximum pressure MPa	temperature					
Leaving water temperature Space cooling °C 7-25 Space heating °C 25-65 DHV (ank) °C 25-60 Blectric heater Power supply V-Hz Ø 380-420-50,3f Number of heating stages pcs 3 Power kW 9 Maximum operating current A 13,6 Maximum operating current A 13,6 Pressure relief valve mm (inch) 633 (1,30) Pressure relief valve MPa 0,3 Condensate drain mm 412,7 Expansion tank I 5 Actual volume I 2 Actual volume I 2 Maximum pressure MPa 0,5 Initial pressure MPa 0,5 Water pump head Initial pressure MPa Water pump head m 9 Water pump type DC Inverter						
Leaving water temperature temperature Space heating °C 25-65 DHW (tank) °C 25-60 Mean power supply V-Hz, Ø 380-420-50, 3f Number of heating stages pcs 3 Power IW 9 Maximum operating current A 13,6 Maximum operating current MPa 0,3 Power supply MPa 0,3 Condensate drain mm (inch) 0,2 Condensate drain mm 0,12,7 Actual volume I 5 Actual volume I 2 Maximum pressure MPa 0,5 Maximum pressure MPa 0,5 Heat exchanger MPa 0,5 Minimum flow I/m PHE/ plate heat exchanger Water pump head MR 9 Water pump type MPa 0	operation modes	C		0.5		
Power supply	Leaving water temperature					
Power supply V-Hz, Ø S80-42-60						
Electric heating Number of heating stages pcs 3 Power kW 9 Maximum operating current A 13.6 A pure connections mm (inch) Φ33 (1.30) Pressure relief valve MPa 0.3 Condensate drain mm Φ12,7 Condensate drain mm 5 Actual volume I 2 Actual volume I 2 Maximum pressure MPa 0.5 Initial pressure MPa 0.15 Heat exchanger Minimum flow Vmin 10 Water pump head m 9 Water pump type DC (inverter)		DHW (tank)		°C	25~60	
Electric heating stages pcs 3 Power kW 9 Maximum operating current A 13.6 A pure connections mm (inch) Φ33 (1.30) Pressure relief valve MPa 0.3 Condensate drain mm Φ12,7 Condensate drain mm 5 Actual volume I 5 Actual volume I 2 Maximum pressure MPa 0.5 Initial pressure MPa 0.15 Heat exchanger Minimum flow Vmin 10 Water pump head m 9 Water pump type DC (inverter)		Power supply		V-Hz, Ø	380-420~50, 3f	
Power						
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Water connections mm (inch) Φ33 (1,30) Pressure relief valve MPa 0,3 Condensate drain mm Φ12,7 Expansion tank Total volume I 5 Actual volume I 2 Maximum pressure MPa 0,5 Initial pressure MPa 0,15 Heat exchanger MPe PHE / plate heat exchanger Minimum flow Vmin 10 Water pump head m 9 Water pump type DC inverter						
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Water circuit Total volume I 5 Water circuit Actual volume I 2 Maximum pressure MPa 0,5 Initial pressure MPa 0,15 Heat exchanger Type PHE / plate heat exchanger Water pump head Vmin 10 Water pump type Mean pump type DC inverter						
Water circuit Expansion tank Total volume I 2 Water circuit Maximum pressure MPa 0,5 Initial pressure MPa 0,15 Heat exchanger Minimum flow Vmin 10 Water pump head m 9 Water pump type DC inverter		Pressure relief valve		MPa	0,3	
Water circuit Actual volume I 2 Maximum pressure MPa 0,5 Initial pressure MPa 0,15 Heat exchanger Type PHE / plate heat exchanger Minimum flow Vmin 10 Water pump head m 9 Water pump type DC (nverter)		Condensate drain		mm	Ф12,7	
Water circuit Actual volume I 2 Maximum pressure MPa 0,5 Initial pressure MPa 0,15 Heat exchanger Type PHE / plate heat exchanger Minimum flow Vmin 10 Water pump head m 9 Water pump type DC (nverter)		Expansion tank	Total volume	I	5	
Water circuit Expansion tank Maximum pressure MPa 0,5 Initial pressure MPa 0,15 Heat exchanger Type PHE / plate heat exchanger Minimum flow V/min 10 Water pump head m 9 Water pump type DC inverter						
Initial pressure						
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Heat exchanger Minimum flow I/min 10 Water pump head m 9 Water pump type DC inverter				MPa		
Water pump head m 9 Water pump type DC inverter		Heat eychanger	Туре		PHE / plate heat exchanger	
Water pump type DC inverter		i leat excilarige	Minimum flow	l/min	10	
Water pump type DC inverter		Water pump head		m	9	
Total water volume I 1,53						
		Total Water volume			1,53	

⁽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.