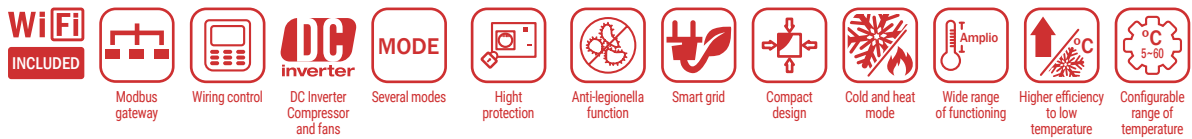




ECO-THERMAL  
**BIBLOCK PLUS**













MODEL	OU	GIA-V4WD2KPLUS	GIA-V8WD2KPLUS	GIA-V12WD2KPLUS	GIA-V16WD2KPLUS	GIA-V16WD2RKPLUS
	IU	GIA-A60CGN8PLUS	GIA-A100CGN8PLUS	GIA-A160CGN8PLUS	GIA-A160CGN8PLUS	GIA-A160CGN8PLUS
EAN CODE		8435483835450	8435483835467	8435483835474	8435483835481	8435483835498
Power Supply (outdoor)	V,Ph,HZ	220-240V (1 Phase ~ 50Hz)			380-415V (3 Phase ~ 50Hz)	
<b>PERFORMANCE</b>						
Heating <sup>1</sup>	Capacity	<b>kW</b>	4,25	8,30	12,1	16,0
	Nominal input	<b>kW</b>	0,82	1,60	2,44	3,56
	COP	-	5,20	5,20	4,95	4,50
Heating <sup>2</sup>	Capacity	<b>kW</b>	4,35	8,20	12,3	16,0
	Nominal input	<b>kW</b>	1,14	2,08	3,24	4,44
	COP	-	3,80	3,95	3,80	3,60
Heating <sup>3</sup>	Capacity	<b>kW</b>	4,40	7,50	12,0	16,0
	Nominal input	<b>kW</b>	1,49	2,36	3,87	5,52
	COP	-	2,95	3,18	3,10	2,90
Refrigeration <sup>4</sup>	Capacity	<b>kW</b>	4,50	8,40	12,00	14,90
	Nominal input	<b>kW</b>	0,81	1,66	3,00	4,38
	EER	-	5,55	5,05	4,00	3,40
Refrigeration <sup>5</sup>	Capacity	<b>kW</b>	4,70	7,40	11,6	14,0
	Nominal input	<b>kW</b>	1,36	2,19	4,22	5,71
	EER	-	3,45	3,38	2,75	2,45
Seasonal space heating energy efficiency class <sup>7</sup>	LWT at 35°C	-	A+++	A+++	A+++	A+++
	LWT at 55°C	-	A++	A++	A++	A++
SCOP <sup>7</sup>	LWT at 35°C	-	4,85	5,21	4,81	4,62
	LWT at 55°C	-	3,31	3,36	3,45	3,41
SEER	LWT at 7°C	-	4,99	5,83	4,89	4,69
	LWT at 18°C	-	7,77	8,95	7,1	6,75
MOP (Maximum overcurrent protection)	<b>A</b>	18	19	30	30	14
MCA (Minimum circuit amps)	<b>A</b>	12	16	25	27	12
Operating temperature range	Refrigeration	°C	5 to 25			
	Heating	°C	25 to 65			
	SHW	°C	30 to 60			
<b>FEATURES</b>						
Compressor	Type	-	Twin rotary DC inverter			
Outdoor fan	Motor type	-	Brushless DC motor			
	Number of fans	-	1			
Heat exchanger (air side)	-	Finned tube				
Refrigerant	Type	-	R32			
	Charged	<b>kg</b>	1,50	1,65	1,84	1,84
Throttle type	-	Electronic expansion valve				
<b>DIMENSIONS AND WEIGHT</b>						
Net dimensions (WxHxD)	<b>mm</b>	1008x712x426	1118x865x523	1118x865x523	1118x865x523	1118x865x523
Gross dimension (WxHxD)	<b>mm</b>	1065x800x485	1180x890x560	1180x890x560	1180x890x560	1180x890x560
Net/gross weight	<b>Kg</b>	58/64	77/88	96/110	96/110	112/125
<b>CONNECTIONS</b>						
Piping connections	Type	-	Flare			
	Liquid Dia.	<b>(OD)</b>	6.35Ø	9.52Ø	9.52Ø	9.52Ø
	Gas Dia.	<b>(OD)</b>	15.9Ø	15.9Ø	15.9Ø	15.9Ø
Piping length	Min.-Max	<b>m</b>	2-30	2-30	2-30	2-30
Height difference Outdoor	Unit above-unit below	<b>m</b>	20-20	20-20	20-20	20-20



ECO-THERMAL  
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MODEL	OU	GIA-A60CGN8PLUS	GIA-A100CGN8PLUS	GIA-A160CGN8PLUS			
	IU	GIA-AV4WD2N8PLUS	GIA-AV8WD2N8PLUS	GIA-AV12WD2N8PLUS	GIA-AV16WD2N8PLUS	GIA-AV16WD2RN8PLUS	
EAN CODE		8435483835405	8435483835412		8435483835429		
Power Supply (indoor)	V,Ph,HZ	220-240V (1 Phase ~ 50Hz)					
<b>PERFORMANCE</b>							
Leaving water temperature	Space heating	°C		5 ~ 25			
	Heating	°C		25 ~ 65			
	DHW tank	°C		40 ~ 60			
Sound power level	dB(A)	38	42	43	43	43	
<b>DIMENSIONS AND WEIGHT</b>							
Net dimensions (W×H×D)	mm	420×790×270					
Gross dimensions (W×H×D)	mm	525×1050×360					
Net/gross poids	Kg	37/43	37/43	39/45	39/45	39/45	
<b>CONNECTIONS</b>							
Water circuit	Piping connections	inch		R1"			
	Safety valve set pressure	Mpa		0,3			
	Drainage pipe connection	mm		Ø25			
	Expansion tank	Volume	L		8,0		
		Max. water sure	Mpa		0,3		
		Pre-pressure	Mpa		0,1		
	Heat exchanger Type (water)	Plate type					
	Water pump head	m	9				
Refrigeration circuit	Liquid Dia. (OD)	mm	Ø6,35	Ø9,52	Ø9,52	Ø9,52	
	Liquid Dia. (OD)	mm	Ø15,9				

SET	GIA-V4WD2KPLUS	GIA-V8WD2KPLUS	GIA-V12WD2KPLUS	GIA-V16WD2KPLUS	GIA-V16WD2RKPLUS
Indoor Unit					
	GIA-A60CGN8PLUS	GIA-A100CGN8PLUS	GIA-A160CGN8PLUS	GIA-A160CGN8PLUS	GIA-A160CGN8PLUS
Outdoor Unit					
	GIA-AV4WD2N8PLUS	GIA-AV8WD2N8PLUS	GIA-AV12WD2N8PLUS	GIA-AV16WD2N8PLUS	GIA-AV16WD2RN8PLUS

**Notes model outdoor:**

1. Relevant EU standards and legislation: EN14511; EN14825; EN50564; EN12102; (EU) No 811:2013; (EU) No 813:2013; OJ 2014/C 207/02:2014.
2. Outdoor air temperature 7°C DB, 85% R.H. ; EWT 30°C / LWT 35°C.
3. Outdoor air temperature 7°C DB, 85% R.H. ; EWT 40°C / LWT 45°C.
4. Outdoor air temperature 7°C DB, 85% R.H. ; EWT 47°C / LWT 55°C.
5. Outdoor air temperature 35°C DB, EWT 23°C / LWT 18°C.
6. Outdoor air temperature 35°C DB, EWT 12°C / LWT 7°C.
7. Seasonal space heating energy efficiency class tested in average climate conditions.
8. Test standard: EN12102-1.

**Notes model indoor:**

Test standard: EN12102-1

SOLAR KEYMART CERTIFICATION		
Code	Component code	Registration number
GIA-V4WD2KPLUS	GIA-A60CGN8PLUS	041-K007-03
	GIA-AV4WD2N8PLUS	
GIA-V8WD2KPLUS	GIA-A100CGN8PLUS	041-K007-06
	GIA-AV8WD2N8PLUS	
GIA-V12WD2KPLUS	GIA-A160CGN8PLUS	041-K007-09
	GIA-AV12WD2N8PLUS	
GIA-V16WD2KPLUS	GIA-A160CGN8PLUS	041-K007-09
	GIA-AV16WD2N8PLUS	
GIA-V16WD2RKPLUS	GIA-A160CGN8PLUS	041-K007-09
	GIA-AV16WD2RN8PLUS	