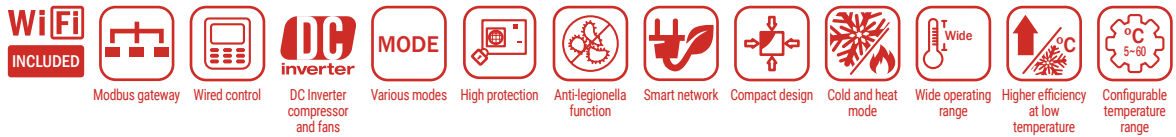




Wired control
GIA-KJRHT20FBMKOE

ECO-THERMAL BIBLOCK PLUS
INTEGRATED



COMBINATIONS WITH
GIA-A100/190CD30GN8 ^{1/2}

EAN CODE - SET

OUT.
IN.

GIA-V4WD2IT100/190

GIA-V8WD2IT100/190

GIA-AV4WD2N8PLUS

GIA-AV8WD2N8PLUS

GIA-A100/190CD30GN8

8435483837652

8435483837676

		L		
Thread profile according to EN16147		L		
Domestic hot water heating energy efficiency class ¹	Average weather	Class	A+	
		COP	3.10	
	Warm weather	Class	A+	
		COP	3.80	
	Cold weather	Class	A	
		COP	2.50	
Heating ²	Capacity	kW	4.25	
	Rated input	kW	0.82	
	COP	-	5.20	
Heating ³	Capacity	kW	4.35	
	Rated input	kW	1.14	
	COP	-	3.80	
Cooling ⁴	Capacity	kW	4.50	
	Rated input	kW	0.81	
	EER	-	5.55	
Cooling ⁵	Capacity	kW	4.70	
	Rated input	kW	1.36	
	EER	-	3.45	
Seasonal heating energy efficiency class ⁶	Water outlet at 35°C	Class	A+++	
	Water outlet at 55°C	Class	A++	
SCOP	LWT at 35°C	-	4,85	
	LWT at 55°C	-	3,31	
SEER	LWT at 7°C	-	4,99	
	LWT at 18°C	-	7,77	
MOP (Maximum Overcurrent Protection)	A	18	19	
MCA (Minimum Circuit Amps)	A	12	16	
Indoor unit sound power level ⁷	dB	38	40	
Outdoor unit sound power level ⁷	dB	56	59	
Power Supply	V, P, HZ	220-240V (1 Phase ~ 50Hz)		
Rated input	kW	3,095		
Indoor unit	Type	-		
	Material	Stainless steel		
	DHW tank	Water volume	L	
		Maximum water temp.	°C	
		Isolation	Material	-
		Polyurethane (cyclopentane)		

ECO-THERMAL BIBLOCK PLUS
INTEGRATED

COMBINATIONS WITH **GIA-A100/190CD30GN8** 2/2

		GIA-V4WD2IT100/190		GIA-V8WD2IT100/190	
Indoor unit	Heat exchanger			Plate heat exchanger	
	Heater backup	Standard mount	kW	3	
		Capacity steps	-	1	
	Water pump	Type	-	DC Inverter	
		Max. head	m	9	
	Water pipe connections	Water circuit	Inlet / Outlet	R1"	
			Cold water inlet	R3/4"	
		DHW tank water circuit	Hot water outlet	R3/4"	
			Recirculation	-	R3/4"
	Net Dimensions (WxDxH)	mm	600x600x1643		
	Gross Dimensions (WxDxH)	mm	730x730x1920		
	Net/Gross weight	kg	140 / 161		
	Ambient temperature range	°C	5~35		
	Water outlet temperature	Heating (heat pump)	°C	25~65	
Refrigeration		°C	5~25		
Domestic heat water		°C	30~60		
Electrical power supply	V, P, HZ	220~240V (1 Phase ~ 50Hz)			
Net Dimensions (WxDxH)	mm	1008x712x426	1118x865x523		
Gross Dimensions (WxDxH)	mm	1065x810x485	1190x970x560		
Net/Gross weight	kg	60 / 65,5	79 / 92		
Compressor	-	Twin-rotary DC inverter			
Outdoor fan	Motor type	-	Brushless DC motor		
	Number of fans	-	1		
Refrigerant	Type (GWP)	-	R32 (675)		
	Charge	kg	1,5	1,65	
	Additional charge	g/m	20	38	
Refrigerant piping connections	Liquid side	mm	φ6.35	φ9.52	
	Gas side	mm	φ15.9	φ15.9	
	Pipe length max.	m	30		
	Max. difference in height	m	20		
Drain connection	-	DN32			
Ambient temperature range	Heating	°C	-25~35		
	Cooling	°C	-5~43		
	Domestic heat water	°C	-25~43		

INDOOR UNIT

GIA-A100/190CD30GN8

GIA-A100/240CD30GN8

GIA-A160/240CD30GN8B



OUTDOOR UNIT

GIA-AV4WD2N8PLUS | GIA-AV8WD2N8PLUS

GIA-AV12WD2N8PLUS | GIA-AV16WD2N8PLUS | GIA-AV16WD2RN8PLUS



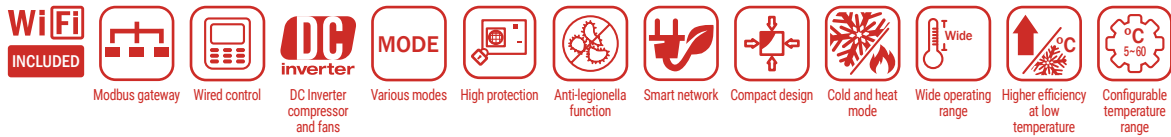
KEYMART SOLAR CERTIFICATION

Indoor unit code	Outdoor unit code	Registration number
GIA-A100/190CD30GN8	GIA-AV4WD2N8PLUS	041-K007-04
	GIA-AV8WD2N8PLUS	041-K007-07



Wired control
GIA-KJRHT20FBMKOE

ECO-THERMAL BIBLOCK PLUS
INTEGRATED



COMBINATIONS WITH
GIA-A100/240CD30GN8 ^{1/2}

EAN CODE - SET	OUT. IN.	GIA-V4WD2IT100/240		GIA-V8WD2IT100/240		
		GIA-AV4WD2N8PLUS		GIA-AV8WD2N8PLUS		
		GIA-A100/240CD30GN8				
		8435483837669		8435483837683		
Thread profile according to EN16147		XL				
Domestic hot water heating energy efficiency class ¹	Average weather	Class	A+	A+		
		COP	3.34	3.36		
	Warm weather	Class	A+	A+		
		COP	4.24	4.18		
	Cold weather	Class	A	A		
		COP	2.63	2.72		
Heating ²	Capacity	kW	4.25	8.30		
	Rated input	kW	0.82	1.60		
	COP	-	5.20	5.20		
Heating ³	Capacity	kW	4.35	8.20		
	Rated input	kW	1.14	2.08		
	COP	-	3.80	3.95		
Cooling ⁴	Capacity	kW	4.50	8.40		
	Rated input	kW	0.81	1.66		
	EER	-	5.55	5.05		
Cooling ⁵	Capacity	kW	4.70	7.40		
	Rated input	kW	1.36	2.19		
	EER	-	3.45	3.38		
Seasonal heating energy efficiency class ⁶	Water outlet at 35°C	Class	A+++	A+++		
	Water outlet at 55°C	Class	A++	A++		
SCOP	LWT at 35°C	-	4,85	5,21		
	LWT at 55°C	-	3,31	3,36		
SEER	LWT at 7°C	-	4,99	5,83		
	LWT at 18°C	-	7,77	8,95		
MOP (Maximum Overcurrent Protection)		A	18	19		
MCA (Minimum Circuit Amps)		A	12	16		
Indoor unit sound power level ⁷		dB	38	40		
Outdoor unit sound power level ⁷		dB	56	59		
Indoor unit	Electrical power supply	V, F, HZ	220-240V (1 Fase ~ 50Hz)			
	Rated input	kW	3,095			
	Type	-	Stainless steel			
	Material	-	SUS 316L			
	DHW tank	Water volume	L	240		
		Max. water temperature	°C	70		
		Isolation	Material	Polyurethane (cyclopentane)		

ECO-THERMAL BIBLOCK PLUS INTEGRATED

COMBINATIONS WITH **GIA-A100/240CD30GN8** 2/2

		GIA-V4WD2IT100/240		GIA-V8WD2IT100/240	
Indoor unit	Heat exchanger			Plate heat exchanger	
	Backup heater	Standard mounting	kW	3	
		Capacity steps	-	1	
	Water pump	Type	-	DC Inverter	
		Max. head	m	9	
	Water pipe connections	Water circuit	Inlet /Outlet	R1"	
			Cold water inlet	R3/4"	
		DHW tank water circuit	Hot water outlet	R3/4"	
			Recirculation	-	R3/4"
	Net Dimensions (WxDxH)	mm	600x600x1943		
	Gross Dimensions (WxDxH)	mm	730x730x2180		
	Net/Gross weight	kg	157/ 178		
	Ambient temperature range	°C	5~35		
	Water outlet temperature	Heating (heat pump)	°C	25~65	
Refrigeration		°C	5~25		
Sanitary hot water		°C	30~60		
Power Supply	V, P, HZ	220~240V (1 Phase ~ 50Hz)			
Net Dimensions (WxDxH)	mm	1008x712x426	1118x865x523		
Gross Dimensions (WxDxH)	mm	1065x810x485	1190x970x560		
Net/Gross weight	kg	60 / 65,5	79 / 92		
Compressor	-	Twin-rotary DC inverter			
Outdoor fan	Motor type	-	Brushless DC motor		
	Fan number	-	1		
Refrigerant	Type (GWP)	-	R32 (675)		
	Charge	kg	1,5	1,65	
	Additional charge	g/m	20	38	
Refrigerant piping connections	Liquid side	mm	φ6.35	φ9.52	
	Gas side	mm	φ15.9	φ15.9	
	Pipe length max.	m	30		
Drain connection	Max. difference in height	m	20		
	Drain connection	-	DN32		
Ambient temperature range	Heating	°C	-25~35		
	Cooling	°C	-5~43		
	Domestic hot water	°C	-25~43		

INDOOR UNIT

GIA-A100/190CD30GN8

GIA-A100/240CD30GN8

GIA-A160/240CD30GN8B



OUTDOOR UNIT

GIA-AV4WD2N8PLUS | GIA-AV8WD2N8PLUS

GIA-AV12WD2N8PLUS | GIA-AV16WD2N8PLUS | GIA-AV16WD2RN8PLUS



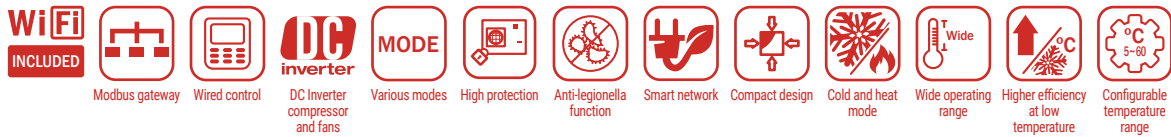
KEYMART SOLAR CERTIFICATION

Indoor unit code	Outdoor unit code	Registration number
GIA-A100/240CD30GN8	GIA-AV4WD2N8PLUS	041-K007-05
	GIA-AV8WD2N8PLUS	041-K007-08



Wired control
GIA-KJRHT20FBMKOE

ECO-THERMAL BIBLOCK PLUS
INTEGRATED



COMBINATIONS WITH
GIA-A160/240CD30GN8B ^{1/2}

		GIA-V12WD2IT160/240		GIA-V16WD2IT160/240		GIA-V16WD2RIT160/240	
		GIA-AV12WD2N8PLUS		GIA-AV16WD2N8PLUS		GIA-AV16WD2RN8PLUS	
		GIA-A160/240CD30GN8B					
EAN CODE - SET		8435483837690		8435483837706		8435483837713	
Thread profile according to EN16147				XL			
Efficiency class heating energy domestic hot water ¹	Average weather	Class	A+	A+	A+	A+	A+
		COP	3.00	3.00	3.00	3.00	3.00
	Warm weather	Class	A+	A+	A+	A+	A+
		COP	3.73	3.73	3.73	3.73	3.73
	Cold weather	Class	A	A	A	A	A
		COP	2.24	2.24	2.24	2.24	2.24
Heating ²	Capacity	kW	12.10	16.00	16.00	16.00	16.00
	Rated inlet	kW	2.44	3.56	3.56	3.56	3.56
	COP	-	4.95	4.50	4.50	4.50	4.50
Heating ³	Capacity	kW	12.30	16.00	16.00	16.00	16.00
	Rated inlet	kW	3.24	4.44	4.44	4.44	4.44
	COP	-	3.80	3.60	3.60	3.60	3.60
Cooling ⁴	Capacity	kW	12.00	14.90	14.90	14.90	14.90
	Rated inlet	kW	3.00	4.38	4.38	4.38	4.38
	EER	-	4.00	3.40	3.40	3.40	3.40
Cooling ⁵	Capacity	kW	11.60	14.00	14.00	14.00	14.00
	Rated inlet	kW	4.22	5.71	5.71	5.71	5.71
	EER	-	2.75	2.45	2.45	2.45	2.45
Seasonal heating energy efficiency class ⁶	Water outlet at 35°C	Class	A+++	A+++	A+++	A+++	A+++
	Water outlet at 55°C	Class	A++	A++	A++	A++	A++
SCOP	LWT at 35°C	-	4,81	4,62	4,62	4,62	4,62
	LWT at 55°C	-	3,45	3,41	3,41	3,41	3,41
SEER	LWT at 7°C	-	4,89	4,69	4,69	4,69	4,69
	LWT at 18°C	-	7,1	6,75	6,75	6,75	6,75
MOP (Maximum Overcurrent Protection)	A	30	30	30	14	14	
MCA (Minimum Circuit Amps)	A	25	27	27	12	12	
Indoor unit sound power level ⁷	dB	42	44	44	44	44	
Outdoor unit sound power level ⁷	dB	64	68	68	68	68	
Power Supply	V, P, HZ	220-240V (1 Phase ~ 50Hz)					
Rated input	kW	3,095					
Indoor unit	Type	-					
	Material	Stainless steel					
	DHW tank	Material	-				
	Water volume	L	240				
	Max. water temperature	°C	70				
Isolation	Material	-					
		Polyurethane (cyclopentane)					

ECO-THERMAL BIBLOCK PLUS INTEGRATED

COMBINATIONS WITH GIA-A160/240CD30GN8B ^{2/2}

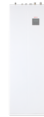
			GIA-V12WD2IT160/240	GIA-V16WD2IT160/240	GIA-V16WD2RIT160/240	
Indoor unit	Heat exchanger			Plate heat exchanger		
	Backup heater	Standard mounting	kW	3		
		Capacity steps	-	1		
	Water pump	Type	-	DC Inverter		
		Max. head	m	9		
	Water pipe connections	Water circuit	Indoor/Outdoor	-	R1"	
			Cold water inlet	-	R3/4"	
		DHW tank water circuit	Hot water outlet	-	R3/4"	
			Recirculation	-	R3/4"	
	Net Dimensions (WxDxH)	mm	600x600x1943			
	Gross Dimensions (WxDxH)	mm	730x730x2180			
	Net/Gross weight	kg	159/ 180			
	Ambient temperature range	°C	5~35			
	Water outlet temperature	Heating (heat pump)	°C	25~65		
Refrigeration		°C	5~25			
Domestic heat water		°C	30~60			
Power Supply	V, P, HZ	220-240V (1 Phase ~ 50Hz)	220-240V (1 Phase ~ 50Hz)	380-415V (3 Phase ~ 50Hz)		
Net Dimensions (WxDxH)	mm	1118x865x523				
Gross Dimensions (WxDxH)	mm	1190x970x560				
Net/Gross weight	kg	100 / 113,5	100 / 113,5	116/129,5		
Compressor		-	Twin-rotary DC inverter			
Outdoor fan	Motor type	-	Brushless DC motor			
	Fan number	-	1			
Refrigerant	Type (GWP)	-	R32 (675)			
	Charge	kg	1.84			
	Additional charge	g/m	38			
Refrigerant piping connections	Liquid side	mm	ø9.52			
	Gas side	mm	ø15.9			
	Max. pipe length	m	30			
	Max. difference in height	m	20			
Drain connection		-	DN32			
Ambient temperature range	Heating	°C	-25~35			
	Cooling	°C	-5~43			
	Domestic heat water	°C	-25~43			

INDOOR UNIT

GIA-A100/190CD30GN8

GIA-A100/240CD30GN8

GIA-A160/240CD30GN8B



OUTDOOR UNIT

GIA-AV4WD2N8PLUS | GIA-AV8WD2N8PLUS

GIA-AV12WD2N8PLUS | GIA-AV16WD2N8PLUS | GIA-AV16WD2RN8PLUS



Notes:

1. According to EN16147/2017 standard; EU No:812/2013
2. DB/WB 7/6°C, LWT 35°C (ΔT=5°C)
3. DB/WB 7/6°C, LWT 45°C (ΔT=5°C)
4. DB 35°C, LWT 18°C (ΔT=5°C)
5. DB 35°C, LWT 7°C (ΔT=5°C)
6. According to EN14511/2018 standard; EN14825/2018; EU No:811/2013
7. Sound power in heating mode, measured according to EN 12102 under conditions of EN 14825.

KEYMART SOLAR CERTIFICATION

Indoor unit code	Outdoor unit code	Registration number
GIA-A160/240CD30GN8B	GIA-AV12WD2N8PLUS	041-K007-10
	GIA-AV16WD2N8PLUS	041-K007-10
	GIA-AV16WD2RN8PLUS	041-K007-10