



ECO-THERMAL BIBLOCK PLUS INTEGRATED



Modbus gateway

Wired control

DC Inverter
compressor
and fans

Various modes

High protection

Anti-legionella
function

Smart network

Compact design

Cold and heat
mode

Wide operating
range

Higher efficiency
at low
temperature

Configurable
temperature
range

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

OUT.

IN.

EAN CODE - SET

GIA-V4WD2IT100/190

GIA-V8WD2IT100/190

GIA-AV4WD2N8PLUS

GIA-AV8WD2N8PLUS

GIA-A100/190CD30GN8

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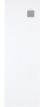
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Thread profile according to EN16147		L	
Domestic hot water heating energy efficiency class ¹	Average weather	Class	A+
		COP	3.10
	Warm weather	Class	A+
		COP	3.80
	Cold weather	Class	A
		COP	2.50
Heating ²	Capacity	kW	4.25
	Rated input	kW	0.82
	COP	-	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
Indoor unit	Power Supply	V, P, HZ	220-240V (1 Phase ~ 50Hz)
	Rated input	kW	3,095
	Type	-	Stainless steel
	Material	-	SUS 316L
	DHW tank	Water volume	190
		Maximum water temp.	70
	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	
	Standard mount		kW	3	
	Heater backup	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	
Outdoor unit	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	
		Type (GWP)	-	R32 (675)	
	Refrigerant	Charge	kg	1,5	1,65
		Additional charge	g/m	20	38
		Liquid side	mm	φ6.35	φ9.52
	Refrigerant piping connections	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



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

OUT.

IN.

EAN CODE - SET

GIA-V4WD2IT100/240

GIA-V8WD2IT100/240

GIA-AV4WD2N8PLUS

GIA-AV8WD2N8PLUS

GIA-A100/240CD30GN8

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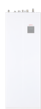
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Thread profile according to EN16147		XL	
Domestic hot water heating energy efficiency class ¹	Average weather	Class	A+
		COP	3.34
	Warm weather	Class	A+
		COP	4.24
	Cold weather	Class	A
		COP	2.63
Heating ²	Capacity	kW	4.25
	Rated input	kW	0.82
	COP	-	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
Indoor unit	Electrical power supply	V, F, HZ	220-240V (1 Fase ~ 50Hz)
	Rated input	kW	3,095
	Type	-	Stainless steel
	Material	-	SUS 316L
	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

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"
		DHW tank water circuit	Cold water inlet	-	R3/4"
			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		
Outdoor unit	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	
		Type (GWP)	-	R32 (675)	
	Refrigerant	Charge	kg	1,5	1,65
		Additional charge	g/m	20	38
	Refrigerant piping connections	Liquid side	mm	ø6.35	ø9.52
		Gas side	mm	ø15.9	ø15.9
		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 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



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

OUT.

IN.

EAN CODE - SET

GIA-V12WD2IT160/240

GIA-V16WD2IT160/240

GIA-V16WD2RIT160/240

GIA-AV12WD2N8PLUS

GIA-AV16WD2N8PLUS

GIA-AV16WD2RN8PLUS

GIA-A160/240CD30GN8B

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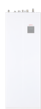
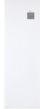
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Thread profile according to EN16147		XL	
Efficiency class heating energy domestic hot water ¹	Average weather	Class	A+
		COP	3.00
	Warm weather	Class	A+
		COP	3.73
	Cold weather	Class	A
		COP	2.24
Heating ²	Capacity	kW	12.10
	Rated inlet	kW	2.44
	COP	-	4.95
Heating ³	Capacity	kW	12.30
	Rated inlet	kW	3.24
	COP	-	3.80
Cooling ⁴	Capacity	kW	12.00
	Rated inlet	kW	3.00
	EER	-	4.00
Cooling ⁵	Capacity	kW	11.60
	Rated inlet	kW	4.22
	EER	-	2.75
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	-	4,81
	LWT at 55°C	-	3,45
SEER	LWT at 7°C	-	4,89
	LWT at 18°C	-	7,1
MOP (Maximum Overcurrent Protection)		A	30
MCA (Minimum Circuit Amps)		A	25
Indoor unit sound power level ⁷		dB	42
Outdoor unit sound power level ⁷		dB	64
Indoor unit	Power Supply	V, P, HZ	220-240V (1 Phase ~ 50Hz)
	Rated input	kW	3,095
	Type	-	Stainless steel
	Material	-	SUS 316L
	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

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"	
		DHW tank water circuit	Cold water inlet	-	R3/4"	
			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			
Outdoor unit	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		
		Type (GWP)	-	R32 (675)		
	Refrigerant	Charge	kg	1.84		
		Additional charge	g/m	38		
		Liquid side	mm	ø9.52		
	Refrigerant piping connections	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