Modular heat pump **MGBL**

WITH TUBULAR HEAT EXCHANGER



CE
CONFORMITY

R410A
REFRIGERANT GAS

STARTUP INCLUDED

ErP ready
MAXIMUM POWER REDUCTION

8 INDOOR UNITS CONECTABLES

COLD AND HEAT MODE

LOW AMBIENT KIT INCLUDED

ALTERNATING MASTER UNIT

Diseño modular

Up to 8 modules can be combined together, are modular combination, reaching up to 2000 kW.

High Performance Scroll Compressor

Patented design of the gas and fluid balancing system to ensure proper operation of the unit. The hot water valve supplies hot water at constant temperature and increases compressor life.

V-shaped battery

The V-shaped battery increases efficiency in heat production and transfer, and the stepped tube design improves thermal efficiency.

Alternating master unit

In combination with several modules any external unit can act as the main unit, which balances the number of hours of operation of each unit and in case of failure of the main unit, any of the others can replace it as a master.

Maximum power reduction

It's a provision regulated by the EU to define the consumption of energy in a complete system.

Cold and heat mode

It can operate both in cooling mode and in heat.

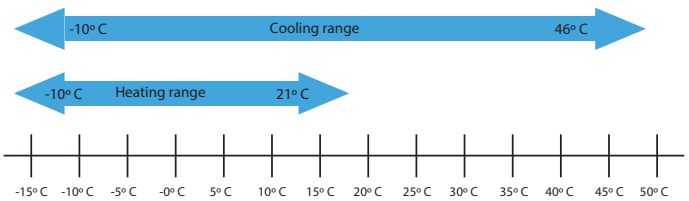
Low Ambient Kit

The equipment can work in cooling mode even when the outdoor temperature is really low. Suitable for laboratories, servers, and workspaces with a special temperature condition.

High Performance Scroll Compressor

Patented design of the gas and fluid balancing system to ensure proper operation of the unit. The hot water valve supplies hot water at constant temperature and increases compressor life.
(In models **HTW-MGCLD30WRN1** and **HTW-MGBLD65WRN1**)

LOW AMBIENT KIT



HTW HIGH TECHNOLOGY WORLD
GIA GROUP

Modular chiller heat pump **MGBL**

WITH TUBULAR HEAT EXCHANGER

MODELS			HTW-MGCLD30 WRN1	HTW-MGBLD65 WRN1	HTW-MGBLF130 WRN1	HTW-MGBLF200 WRN1	HTW-MGBLF250 WRN1
Power supply		V,P,HZ	380-415V (3 Ph~50Hz)				
PERFORMANCE							
Cooling capacity	Capacity	kW	30	65	130	185	250
	Input	W	10000	20400	40800	63000	78300
	Rated current	A	16,3	36,5	109	150	200
	EER	-	3	3,18	3,18	2,93	3,19
Heating capacity	Capacity	kW	32	69	138	200	270
	Input	W	9800	21500	43000	61000	80000
	Rated current	A	16	37,2	109	150	200
	COP	-	3,27	3,21	3,21	3,27	3,38
FEATURES							
Air flow		m^3/h	12000	24000	48000	72000	96000
Water flow		m^3/h	5,2	11,2	22,4	31,8	43
Sound pressure level		dB(A)	65	67	70	74	74
Ambient temperature	Cooling	ºC	-10~46	-10~46	-10~46	-10~46	-10~46
	Heating	ºC	-10~21	-10~21	-10~21	-10~21	-10~21
Operating water temperature	Cooling	ºC	5~17	5~17	5~17	5~17	5~17
	Heating	ºC	45~50	45~50	45~50	45~50	45~50
Refrigerant	Type	-	R410A	R410A	R410A	R410A	R410A
	Charge	Kg	7	14	28	42	60
Fans		units	1	2	4	6	8
DIMENSIONS & WEIGHT							
Net dimensions (WxHxD)		mm	1514x1865x841	2000x1880x900	2000x2090x1685	2850x2110x2000	3800x2130x2000
Gross dimensions (WxHxD)		mm	1590x2065x995	2106x2090x998	2090x2240x1755	2980x2260x2135	3900x2200x2100
Weight net/gross		Kg	375/400	610/680	1150/1270	1730/2000	2450/2600
CONNECTIONS							
Electrical wiring	Power supply	mm^2	10 x 4 + 10 x 1	25 x 4 + 16 x 1	35 x 3 + 16 x 2	75 x 3 + 35 x 2	185 x 4 + 70 x 1
	Interconnection	mm^2	0,75 x 3 core	0,75 x 3 core	0,75 x 3 core	0,75 x 3 core	0,75 x 3 core
Water inlet pipe		inch.	1-1/2"	4"	2-1/2"	3"	4"

NOTES:

Due to continuous improvement, specifications are subject to change without notice.

1. Condenser air 35ºC. Evaporator water inlet/outlet 12 / 7ºC.
2. Evaporator air 7ºC 85% de H.R. Water inlet / outlet condenser 40 / 45ºC.
3. Check done 1m distance around the fan in open field (sound pressure).