



Air conditioning solutions Own it with climate assurance!

İklimsa, operating under the roof of Teknosa, the leading address of technology; For over 35 years, more than 500

While leading the sector with its dealer and service network, it offers air conditioning solutions under the Sigma brand.

It aims to improve your business and quality of life.

Sigma ProX VRF air conditioning systems Meet the comfortable world!

VRF Why?

VRF (Variable Refrigerant Flow) air conditioners produce the most suitable air for the environment by precisely adjusting the required capacity, thanks to their variable flow rate refrigerant systems.

○ In Which Areas Is It Used?

VRF technology offers comfort suitable for the required conditions thanks to the climate control it provides.

Thanks to this feature, business centers, factories, airports, hospitals, hotels, plazas and other large-scale

It offers the most suitable air conditioning solutions for buildings.



provided by What are the benefits?

VRF systems provide maximum heating and

It provides comfortable use thanks to its cooling capacity.

Additionally, heating, cooling and ventilation operations

It increases energy efficiency, reduces costs and allows you to do it with a single system at the same time.

It offers an environmentally friendly use.



Showroom



Office



Shopping centre



Hotel



CONTENTS

- 10 Pro X Outdoor Unit
- 26 Pro XS Mini Outdoor Unit
- 40 Pro X-Ahu Kit
- 46 Pro X Indoor Units
- 76 Control Systems



SIGMA **PROX**
DC INVERTER



Technology Leader



Max 26HP with single module, combined max 104HP

With its large capacity full DC inverter compressors, PRO X can reach 26HP in a single module and a maximum of 104HP combined.

Maxi. 4 modules, maximum **104HP**



Maxi. single module, at most **26HP**



8-16HP

Single module 8-26HP



18-26HP

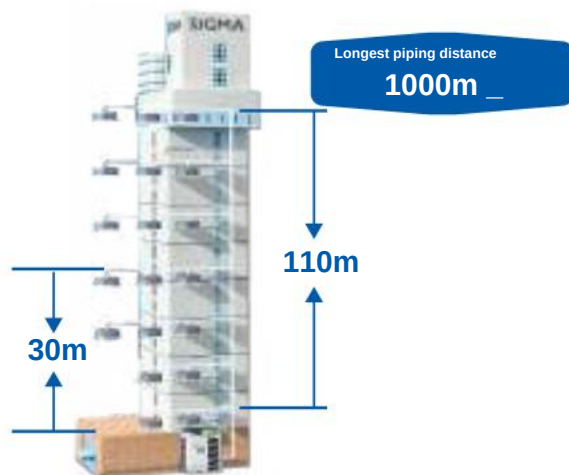
Full DC inverter compressor and Superior efficiency with stepless inverter DC motor

The outdoor unit provides a wider torque range with a variable speed DC motor driven by a sine wave, and the efficiency of the motor increases by 17%. The outdoor unit's air fan provides 0-91Hz stepless frequency control. It is reduced to a minimum with the stepless compressor.



Total pipe length 1000 m, drop height 110 m

Small limitations with longer pipe lengths and higher level differences and Provides a much more flexible design.



New one-piece, four-way heat exchanger

By expanding the heat exchange area, the efficiency of the whole machine is increased.

Basic four-way heat exchange



Heat exchange area $660 \times 1690 \times 2 = 2.23 \text{ m}^2$

Joint three-way heat exchange



Heat exchange area $1400 \times 1770 = 2.47 \text{ m}^2$

Sigma new four-way heat exchanger

heat transfer
its
effectiveness is increased by 30%



Heat exchange area $1260 \times 2294 = 2.89 \text{ m}^2$

Installation Friendly



Indoor units with automatic addressing

Outdoor units automatically address indoor units, reducing labor force.



Automatic oil balancing

The oil is balanced automatically, without a balancing pipe.

This feature simplifies the design of the system and increases its reliability.



In the piping system

refrigerant gas storage technology

With advanced refrigerant control technology, refrigerant is stored in the indoor and outdoor unit pipes, high pressure in the tank is prevented, less refrigerant fills the unit and efficiency increases.



Patented design

The one-piece air grille is practical and aesthetic. Large fan with 700 mm diameter, superior airflow, low noise, improved heat transfer efficiency, rotating type service door and easy operation are provided.



PRO X T1 380~415V

Superior Comfort

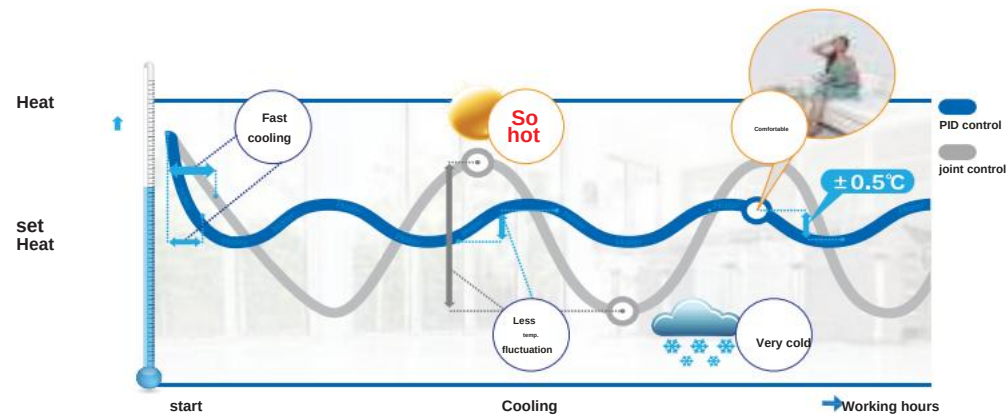
Fast cooling and heating

It provides rapid cooling and heating by giving maximum output in the shortest time after operation.



±0.5°C precise temperature control

With twin pressure sensors and twin EEVs, the refrigerant volume is automatically adjusted, achieving precise temperature control and improving interior comfort.



Intelligent defrosting technology

Intelligently evaluates the need for defrosting according to the system status and increases interior comfort.



SGM080HPPROX
SGM100HPPROX
SGM120HPPROX
SGM140HPPROX
SGM160HPPROX



SGM180HPPROX
SGM200HPPROX
SGM220HPPROX
SGM240HPPROX
SGM260HPPROX

Model			SGM080HPPROX	SGM100HPPROX	SGM120HPPROX	SGM140HPPROX	SGM160HPPROX
Combined Model			/	/	/	/	/
			/	/	/	/	/
			/	/	/	/	/
			/	/	/	/	/
Capacity	Capacity range	HP	8	10	12	14	16
	Cooling	kW	25.2	28.0	33.5	40.0	45.0
	Heating	kW	25.2	28.0	33.5	40.0	45.0
electrical parameters	power supply	Ph/V/Hz	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60
	Willow.	Rated power input	kW	6.24	7.37	10.15	11.94
		Maxi. power input	kW	10.08	11.56	13.80	16.40
		Rated current	A.	10.53	12.44	17.14	20.16
		Maxi. flow	A.	17.02	19.52	23.30	27.69
	Heating	Rated power input	kW	5.73	6.51	8.59	10.00
		Maxi. power input	kW	9.90	11.25	12.50	15.10
		Rated current	A.	9.67	10.99	14.52	16.88
		Maxi. flow	A.	16.71	19.99	21.10	25.49
	EER		4.04	3.80	3.30	3.35	3.40
	PLRUBISH		4.40	4.30	3.90	4.00	4.00
	SEER		7.25	7.09	6.69	6.60	6.36
Performance	SCOP		4.41	4.31	4.31	4.12	4.05
	ys,c %		287	281	265	261	251
	ys,h %		173	169	169	162	159
	Airflow (H)	m³/h	11000	11000	12000	13500	13500
Setup	Sound pressure level (H)	dB(A)	56	56	59	59	60
	Sound power level (H)	dB(A)	81	82	88	88	88
Setup	External dimensions (W/D/H)	mm	980/750/1690				
	Shipment dimensions (W/D/H)	mm	1070/850/1858				
	Net/Shipment weight	kg	052/422		072/442		
	Compressor type		D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL
	Compressor brand		MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI
			ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
	Number of compressors		1INV	1INV	1INV	1INV	1INV
	Cooler type		R410A	R410A	R410A	R410A	R410A
	refrigerant charge	kg	8.5	8.5	8.5	10	10
	coolant pipe	mm	9.52	9.52	12.7	12.7	12.7
	refrigerant pipe	mm	19.05	22.22	25.4	25.4	28.58
	Maxi. total pipe length	m	one thousand	one thousand	one thousand	one thousand	one thousand
	Max. Pipe Length (Equivalent/Actual) Max.	m	260/220	260/220	260/220	260/220	260/220
	between IU and DU. load. difference (DU up/down) *1	m	110/90	110/90	110/90	110/90	110/90
	Between IU and DU st. load. difference (DU up/down) *2 st between IU load. difference *3	m	50/40	50/40	50/40	50/40	50/40
	between IU and st. load. difference *4	m	18	18	18	18	18
Connection rate	External static pressure	pa	110	110	110	110	110
	Connectable indoor unit rate	%	50~130	50~130	50~130	50~130	50~130
Study temp.	Maximum number of indoor units		13	16	20	24	27
	Cooling	°C	-5~50				
	Heating	°C	-23~21				

Max. between IU and DU. load. difference
*1 between IU and DU st. load.
difference *2 st between IU load.
difference *3 st between IU load. difference *4
* All specifications tested in nominal condition (cooling indoor temp. 27°C DB/19°C WB; outdoor temp. 35°C DB/24WB; heating indoor temp. 20°C DB, heating outdoor temp. 7°C DB /6°C WB)

If the height difference between outdoor and indoor units is between 50 and 110m, you should contact local distributor/dealer for individual design and production.
Standard design and production in factory.
If the height difference between indoor units is between 18 and 30m, you should contact your local distributor/dealer for individual design and production.
Standard design and production are applied in the factory.



SGM080HPPROX
SGM100HPPROX
SGM120HPPROX
SGM140HPPROX
SGM160HPPROX



SGM180HPPROX
SGM200HPPROX
SGM220HPPROX
SGM240HPPROX
SGM260HPPROX



- Full DC inverter compressors
 - Maximum single module
- 26HP • Maximum
combined 104HP • Total pipe
length 1000 m • Height drop 110 m

Model			SGM180HPPROX	SGM200HPPROX	SGM220HPPROX	SGM240HPPROX	SGM260HPPROX
Combined Model			/	/	/	/	/
			/	/	/	/	/
			/	/	/	/	/
			/	/	/	/	/
Capacity	Capacity range	HP	18	20	22	24	26
	Cooling	kW	50.4	56.0	61.5	68.0	73.5
	Heating	kW	50.4	56.0	61.5	68.0	73.5
electrical parameters	power supply	Ph/V/Hz	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60
	Willow.	Rated power input	kW	15.60	16.62	20.16	22.67
		Maxi. power input	kW	21.40	25.10	28.50	29.10
		Rated current	A.	26.34	28.05	34.06	38.28
		Maxi. flow	A.	36.13	42.37	48.11	49.13
	Heating	Rated power input	kW	13.19	14.66	18.64	19.43
		Maxi. power input	kW	17.70	22.70	25.50	26.50
		Rated current	A.	22.27	24.75	31.49	32.80
		Maxi. flow	A.	29.88	38.32	43.05	44.74
	EER		3.23	3.37	3.05	3.00	2.00
	RUBBISH		3.82	3.82	3.30	3.50	2.80
	SEER		6.78	6.75	6.54	5.83	4.90
	SCOP		4.15	4.20	4.21	4.17	3.48
	ys,c %		268	267	259	230	193
	ys,h %		163	165	165	164	136
Performance	Airflow (H)	m³/h	17000	17000	18000	18000	19000
	Sound pressure level (H)	dB(A)	61	61	61	62	62
	Sound power level (H)	dB(A)	88	88	90	90	90
Setup	External dimensions (W/D/H)	mm	1410/750/1690				
	Shipment dimensions (W/D/H)	mm	1515/850/1858				
	Net/Shipment weight	kg	287/317	370/400			
	Compressor type		D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL
	Compressor brand		DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
	Number of compressors		1INV	2INV	2INV	2INV	2INV
	Cooler type		R410A	R410A	R410A	R410A	R410A
	refrigerant charge	kg	10	10	10	10	10
	coolant pipe	mm	15.88	15.88	15.88	15.88	15.88
	refrigerant pipe	mm	28.58	28.58	28.58	28.58	28.58
	Maxi. total pipe length	m	one thousand	one thousand	one thousand	one thousand	one thousand
	Refrigerant pipe (Equivalent/Actual) Max.	m	260/220	260/220	260/220	260/220	260/220
	between IU and DU. load. difference (DU up/down) *1	m	110/90	110/90	110/90	110/90	110/90
	Between IU and DU st. load. difference (DU up/down) *2	m	50/40	50/40	50/40	50/40	50/40
	down) *2 st between IU load. difference *3	m	30	30	30	30	30
	between IU and st. load. difference *4	m	18	18	18	18	18
	External static pressure	pa	110	110	110	110	110
	Connectable indoor unit rate	%	50~130	50~130	50~130	50~130	50~130
	Maximum number of indoor units		30	33	36	40	43
Study temp.	Cooling	°C	-5~50				
	Heating	°C	-23~21				

max. between IU and DU. load. difference
*1 between IU and DU st. load.
difference *2 st between IU load.
difference *3 st between IU load. difference *4

If the height difference between outdoor and indoor units is between 50 and 110m, you should contact local distributor/dealer for individual design and production.
Standard design and production in factory.
If the height difference between indoor units is between 18 and 30m, you should contact your local distributor/dealer for individual design and production.
Standard design and production are applied in the factory.

Model			SGM280HPPROX	SGM300HPPROX	SGM320HPPROX	SGM340HPPROX
Combined Model			SGM140HPPROX	SGM140HPPROX	SGM160HPPROX	SGM160HPPROX
			SGM140HPPROX	SGM160HPPROX	SGM160HPPROX	SGM180HPPROX
					/	/
					/	/
Capacity	Capacity range	HP	28	30	32	34
	Cooling	kW	80.0	85.0	90.0	95.4
	Heating	kW	80.0	85.0	90.0	95.4
electrical parameters	power supply	Ph/V/Hz	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60
	Willow.	Rated power input	kW	23.88	25.18	26.47
		Maxi. power input	kW	32.80	35.60	38.40
		Rated current	A.	40.32	42.50	44.69
		Maxi. flow	A.	55.37	60.10	64.83
	Heating	Rated power input	kW	20.00	21.25	22.50
		Maxi. power input	kW	30.20	33.50	36.80
		Rated current	A.	33.76	35.87	37.98
		Maxi. flow	A.	50.98	56.55	62.13
	EER		3.35	3.38	3.40	3.31
	RUBBISH		4.00	4.00	4.00	3.90
	SEER		6.60	6.36	6.36	6.36
	SCOP		4.12	4.05	4.05	4.05
	ys,c %		261	251	251	251
	ys,h %		162	159	159	159
Performance	Airflow (H)	m³/h	27000	27000	27000	30500
	Sound pressure level (H)	dB(A)	62	63	63	64
	Sound power level (H)	dB(A)	91	91	91	91
Setup	External dimensions (W/D/H)	mm	980×750×1690+980×750×1690			
	Shipment dimensions (W/D/H)	mm	1070/850/1858+1070/850/1858			
	Net/Shipment weight	kg	072/442 + 072/442	072/442 + 072/442		072/442 + 713/782
	Compressor type		D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL
	Compressor brand		DAIKIN	DAIKIN	DAIKIN	DAIKIN
	Number of compressors		2INV	2INV	2INV	2INV
	Cooler type		R410A	R410A	R410A	R410A
	refrigerant charge	kg	20	20	20	20
	coolant pipe	mm	15.88	19.05	19.05	19.05
	refrigerant pipe	mm	28.58	31.8	31.8	31.8
	Maxi. total pipe length	m	one thousand	one thousand	one thousand	one thousand
	Refrigerant pipe (Equivalent/Actual) Max.	m	260/220	260/220	260/220	260/220
	between IU and DU. load. difference (DU up/down) *1	m	110/90	110/90	110/90	110/90
	Between IU and DU st. load. difference (DU up/down) *2	m	50/40	50/40	50/40	50/40
	down) *2 st between IU load. difference *3	m	30	30	30	30
	between IU and st. load. difference *4	m	18	18	18	18
	External static pressure	pa	110	110	110	110
	Connectable indoor unit rate	%	50~130	50~130	50~130	50~130
	Maximum number of indoor units		47	50	53	56
Study temp.	Cooling	°C	-5~50			
	Heating	°C	-23~21			

* All specifications tested in nominal condition (cooling indoor temp. 27°C DB/19°C WB; outdoor temp. 35°C DB/24°C WB; heating indoor temp. 20°C DB, heating outdoor temp. 7°C DB (8°C WB))



SGM080HPPROX
SGM100HPPROX
SGM120HPPROX
SGM140HPPROX
SGM160HPPROX



SGM180HPPROX
SGM200HPPROX
SGM220HPPROX
SGM240HPPROX
SGM260HPPROX



- Full DC inverter compressors
 - Maximum single module
- 26HP • Maximum
combined 104HP • Total pipe
length 1000 m • Height drop 110 m

Model			SGM360HPPROX	SGM380HPPROX	SGM400HPPROX	SGM420HPPROX	SGM440HPPROX
Combined Model			SGM180HPPROX	SGM180HPPROX	SGM200HPPROX	SGM200HPPROX	SGM220HPPROX
			SGM180HPPROX	SGM200HPPROX	SGM200HPPROX	SGM220HPPROX	SGM220HPPROX
			/	/	/	/	/
			/	/	/	/	/
Capacity	Capacity range	HP	36	38	40	42	44
	Cooling	kW	100.8	106.4	112.0	117.5	123.0
	Heating	kW	100.8	106.4	112.0	117.5	123.0
Electrical parameters	power supply	Ph/V/Hz	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60
	Willow.	Rated power input	kW	31.21	32.22	33.23	36.78
		Maxi. power input	kW	42.80	46.50	50.20	53.60
		Rated current	A.	52.68	54.40	56.11	62.11
		Maxi. flow	A.	72.26	78.50	84.75	90.49
	Heating	Rated power input	kW	26.39	27.85	29.32	33.30
		Maxi. power input	kW	35.40	40.40	45.40	48.20
		Rated current	A.	44.45	47.02	49.50	56.24
		Maxi. flow	A.	59.76	68.20	76.64	81.37
	EER		3.23	3.30	3.37	3.19	3.05
	RUBISH		3.82	3.82	3.82	3.53	3.30
	SEER		6.78	6.75	6.75	6.54	6.54
	SCOP		4.15	4.15	4.20	4.20	4.21
	ys,c %		268	267	267	259	259
	ys,h %		163	163	165	165	165
Performance	Airflow (H)	m ³ /h	34000	34000	34000	35000	36000
	Sound pressure level (H)	dB(A)	64	64	64	64	64
	Sound power level (H)	dB(A)	91	91	91	92	93
Setup	External dimensions (W/D/H)	mm	1410×750×1690+1410×750×1690				
	Shipment dimensions (W/D/H)	mm	1515/850/1858+1515/850/1858				
	Net/shipment weight	kg	287/317+287/317	287/317+370/400	370/400+370/400	370/400+370/400	370/400+370/400
	Compressor type		D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL
	Compressor brand		DAIKIN	DAIKIN	DAIKIN	DAIKIN	DAIKIN
	Number of compressors		2INV	3INV	4INV	4INV	4INV
	Cooler type		R410A	R410A	R410A	R410A	R410A
	refrigerant charge	kg	20	20	20	20	20
	coolant pipe	mm	19.05	19.05	19.05	19.05	19.05
	refrigerant pipe	mm	38.1	38.1	38.1	38.1	38.1
	Maxi. total pipe length	m	one thousand	one thousand	one thousand	one thousand	one thousand
	Refrigerant pipe (Equivalent/Actual) Max.	m	260/220	260/220	260/220	260/220	260/220
	between IU and DU. load. difference (DU up/down) *1	m	110/90	110/90	110/90	110/90	110/90
	Between IU and DU st. load. difference (DU up/down) *2	m	50/40	50/40	50/40	50/40	50/40
	down) *2 st between IU load. difference *3	m	30	30	30	30	30
	between IU and st. load. difference *4	m	18	18	18	18	18
	External static pressure	pa	110	110	110	110	110
Connection rate	Connectable indoor unit rate	%	50~130	50~130	50~130	50~130	50~130
	Maximum number of indoor units		59	63	64	64	64
Study temp.	Cooling	°C	-5~50				
	Heating	°C	-23~21				

max. between IU and DU. load. difference
*1. between IU and DU st. load.
difference *2 st between IU load.
difference *3 st between IU load. difference *4

If the height difference between outdoor and indoor units is between 50 and 110m, you should contact local distributor/dealer for individual design and production.
Standard design and production in factory.
If the height difference between indoor units is between 18 and 30m, you should contact your local distributor/dealer for individual design and production.
Standard design and production are applied in the factory.

Model			SGM460HPPROX	SGM480HPPROX	SGM500HPPROX	SGM520HPPROX
Combined Model			SGM220HPPROX	SGM240HPPROX	SGM240HPPROX	SGM260HPPROX
			SGM240HPPROX	SGM240HPPROX	SGM260HPPROX	SGM260HPPROX
			/	/	/	/
			/	/	/	/
Capacity	Capacity range	HP	46	48	50	52
	Cooling	kW	129.5	136.0	141.5	147.0
	Heating	kW	129.5	136.0	141.5	147.0
Electrical parameters	power supply	Ph/V/Hz	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60
	Willow.	Rated power input	kW	42.83	45.34	59.42
		Maxi. power input	kW	57.60	58.20	66.90
		Rated current	A.	72.34	76.56	97.52
		Maxi. flow	A.	97.24	98.25	111.04
	Heating	Rated power input	kW	38.07	38.86	45.68
		Maxi. power input	kW	52.00	53.00	56.90
		Rated current	A.	64.29	65.60	78.48
		Maxi. flow	A.	87.79	89.48	96.06
	EER		3.02	3.00	2.38	2.00
	RUBISH		3.40	3.50	3.10	2.80
	SEER		5.83	5.83	4.90	4.90
	SCOP		4.17	4.17	3.48	3.48
	ys,c %		230	230	193	193
	ys,h %		164	164	136	136
Performance	Airflow (H)	m ³ /h	36000	36000	37000	38000
	Sound pressure level (H)	dB(A)	65	65	65	65
	Sound power level (H)	dB(A)	93	93	93	93
Setup	External dimensions (W/D/H)	mm	1410×750×1690+1410×750×1690			
	Shipment dimensions (W/D/H)	mm	1515/850/1858+1515/850/1858			
	Net/shipment weight	kg	004/073 + 004/073	004/073 + 004/073	004/073 + 004/073	004/073 + 004/073
	Compressor type		D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL
	Compressor brand		DAIKIN	DAIKIN	DAIKIN	DAIKIN
	Number of compressors		4INV	4INV	4INV	4INV
	Cooler type		R410A	R410A	R410A	R410A
	refrigerant charge	kg	20	20	20	20
	coolant pipe	mm	19.05	19.05	19.05	19.05
	refrigerant pipe	mm	38.1	38.1	38.1	38.1
	Maxi. total pipe length	m	one thousand	one thousand	one thousand	one thousand
	Refrigerant pipe (Equivalent/Actual) Max.	m	260/220	260/220	260/220	260/220
	between IU and DU. load. difference (DU up/down) *1	m	110/90	110/90	110/90	110/90
	Between IU and DU st. load. difference (DU up/down) *2	m	50/40	50/40	50/40	50/40
	down) *2 st between IU load. difference *3	m	30	30	30	30
	between IU and st. load. difference *4	m	18	18	18	18
	External static pressure	pa	110	110	110	110
Connection rate	Connectable indoor unit rate	%	50~130	50~130	50~130	50~130
	Maximum number of indoor units		64	64	64	64
Study temp.	Cooling	°C	-5~50			
	Heating	°C	-23~21			

* All specifications tested in nominal condition (cooling indoor temp. 27°C DB/19°C WB; outdoor temp. 35°C DB/24WB; heating indoor temp. 20°C DB, heating outdoor temp. 7°C DB /6°C WB)



SGM080HPPROX
SGM100HPPROX
SGM120HPPROX
SGM140HPPROX
SGM160HPPROX



SGM180HPPROX
SGM200HPPROX
SGM220HPPROX
SGM240HPPROX
SGM260HPPROX



- Full DC inverter compressors
- Maximum single module 26HP
- Maximum combined 104HP • Total pipe length 1000 m • Height drop 110 m

Model			SGM540HPPROX	SGM560HPPROX	SGM580HPPROX	SGM600HPPROX
Combined Model			SGM180HPPROX	SGM180HPPROX	SGM180HPPROX	SGM200HPPROX
			SGM180HPPROX	SGM180HPPROX	SGM200HPPROX	SGM200HPPROX
			SGM180HPPROX	SGM200HPPROX	SGM200HPPROX	SGM200HPPROX
			/	/	/	/
Capacity	Capacity range	HP	54	56	58	60
	Cooling	kW	151.2	156.8	162.4	168.0
	Heating	kW	151.2	156.8	162.4	168.0
Electrical parameters	power supply	Ph/V/Hz	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60
	Willow.	Rated power input	kW	46.81	47.82	48.84
		Maxi. power input	kW	64.20	67.90	71.60
		Rated current	A.	79.03	80.74	82.45
		Maxi. flow	A.	108.38	114.63	120.88
	Heating	Rated power input	kW	39.58	41.05	42.51
		Maxi. power input	kW	53.10	58.10	63.10
		Rated current	A.	66.82	69.30	71.77
		Maxi. flow	A.	89.64	98.08	106.53
	EER		3.23	3.28	3.33	3.37
	PLRUBISH		3.82	3.82	3.82	3.82
	SEER		6.78	6.75	6.75	6.75
	SCOP		4.15	4.15	4.15	4.20
	ys,c %		268	267	267	267
	ys,h %		163	163	163	165
Performance	Airflow (H)	m ³ /h	51000	51000	51000	51000
	Sound pressure level (H)	dB(A)	66	66	66	66
	Sound power level (H)	dB(A)	93	93	93	93
Setup	External dimensions (W/D/H)	mm	1410×750×1690+1410×750×1690+1410×750×1690			
	Shipment dimensions (W/D/H)	mm	1515/850/1858+1515/850/1858+1515/850/1858			
	Net/Shipment weight	kg	713/782 + 713/782 + 713/782 713/782 + 713/782 + 004/073 713/782 + 004/073 + 004/073 004/073 + 004/073 + 004/073			
	Compressor type		D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL
	Compressor brand		DAIKIN	DAIKIN	DAIKIN	DAIKIN
	Number of compressors		3INV	4INV	5INV	6INV
	Cooler type		R410A	R410A	R410A	R410A
	refrigerant charge	kg	30	30	30	30
	coolant pipe	mm	19.05	19.05	19.05	19.05
	refrigerant pipe	mm	38.1	38.1	41.3	41.3
	Maxi. total pipe length	m	see document	see document	see document	see document
	Refrigerant pipe (Equivalent/Actual) Max.	m	260/220	260/220	260/220	260/220
	between IU and DU. load. difference (DU up/down) *1	m	110/90	110/90	110/90	110/90
	Between IU and DU st. load. difference (DU up/down) *2	m	50/40	50/40	50/40	50/40
	down) *2 st between IU load. difference *3	m	30	30	30	30
	between IU and st. load. difference *4	m	18	18	18	18
	External static pressure	pa	110	110	110	110
Connection rate	Connectable indoor unit rate	%	50~130	50~130	50~130	50~130
	Maximum number of indoor units		64	64	64	64
Study temp.	Cooling	°C	-5~50			
	Heating	°C	-23~21			

max. between IU and DU. load. difference *1 between IU and DU st. load. difference *2 between IU load. difference *3 between IU load. difference *4

If the height difference between outdoor and indoor units is between 90 and 110m, you should contact local distributor/dealer for individual design and production. Standard design and production are applied in the factory.

If the height difference between indoor units is between 18 and 30m, you should contact your local distributor/dealer for individual design and production. Standard design and production are applied in the factory.

Model			SGM620HPPROX	SGM640HPPROX	SGM660HPPROX	SGM680HPPROX
Combined Model			SGM220HPPROX	SGM220HPPROX	SGM220HPPROX	SGM220HPPROX
			SGM200HPPROX	SGM200HPPROX	SGM220HPPROX	SGM220HPPROX
			SGM200HPPROX	SGM200HPPROX	SGM220HPPROX	SGM240HPPROX
			/	/	/	/
Capacity	Capacity range	HP	62	64	66	68
	Cooling	kW	173.5	179.0	184.5	191.0
	Heating	kW	173.5	179.0	184.5	191.0
Electrical parameters	power supply	Ph/V/Hz	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60
	Willow.	Rated power input	kW	53.39	56.94	60.48
		Maxi. power input	kW	78.70	82.10	85.50
		Rated current	A.	90.17	96.17	102.18
		Maxi. flow	A.	132.86	138.60	144.34
	Heating	Rated power input	kW	47.96	51.94	55.92
		Maxi. power input	kW	70.90	73.70	76.50
		Rated current	A.	80.99	87.73	94.47
		Maxi. flow	A.	119.69	124.42	129.15
	EER		3.25	3.14	3.05	3.03
	PLRUBISH		3.62	3.45	3.30	3.37
	SEER		6.54	6.54	6.54	5.83
	SCOP		4.20	4.20	4.21	4.17
	ys,c %		259	259	259	230
	ys,h %		165	165	165	164
Performance	Airflow (H)	m ³ /h	52000	53000	54000	54000
	Sound pressure level (H)	dB(A)	66	66	66	66
	Sound power level (H)	dB(A)	94	94	95	95
Setup	External dimensions (W/D/H)	mm	1410×750×1690+1410×750×1690+1410×750×1690			
	Shipment dimensions (W/D/H)	mm	1515/850/1858+1515/850/1858+1515/850/1858			
	Net/Shipment weight	kg	370/400+370/400+370/400			
	Compressor type		D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL
	Compressor brand		DAIKIN	DAIKIN	DAIKIN	DAIKIN
	Number of compressors		6INV	6INV	6INV	6INV
	Cooler type		R410A	R410A	R410A	R410A
	refrigerant charge	kg	30	30	30	30
	coolant pipe	mm	19.05	19.05	19.05	22.2
	refrigerant pipe	mm	41.3	41.3	41.3	44.5
	Maxi. total pipe length	m	see document	see document	see document	see document
	Refrigerant pipe (Equivalent/Actual) Max.	m	260/220	260/220	260/220	260/220
	between IU and DU. load. difference (DU up/down) *1	m	110/90	110/90	110/90	110/90
	Between IU and DU st. load. difference (DU up/down) *2	m	50/40	50/40	50/40	50/40
	down) *2 st between IU load. difference *3	m	30	30	30	30
	between IU and st. load. difference *4	m	18	18	18	18
	External static pressure	pa	110	110	110	110
Connection rate	Connectable indoor unit rate	%	50~130	50~130	50~130	50~130
	Maximum number of indoor units		64	64	64	64
Study temp.	Cooling	°C	-5~50			
	Heating	°C	-23~21			

* All specifications tested in nominal condition (cooling indoor temp. 27°C DB/19°C WB; outdoor temp. 35°C DB/24°C WB; heating indoor temp. 20°C DB, heating outdoor temp. 7°C DB (6°C WB))



SGM080HPPROX
SGM100HPPROX
SGM120HPPROX
SGM140HPPROX
SGM160HPPROX



SGM180HPPROX
SGM200HPPROX
SGM220HPPROX
SGM240HPPROX
SGM260HPPROX

- Full DC inverter compressors
 - Maximum single module
- 26HP • Maximum
combined 104HP • Total pipe
length 1000 m • Height drop 110 m

Model			SGM700HPPROX	SGM720HPPROX	SGM740HPPROX	SGM760HPPROX	SGM780HPPROX
Combined Model			SGM220HPPROX	SGM240HPPROX	SGM260HPPROX	SGM260HPPROX	SGM260HPPROX
			SGM240HPPROX	SGM240HPPROX	SGM240HPPROX	SGM260HPPROX	SGM260HPPROX
			SGM240HPPROX	SGM240HPPROX	SGM240HPPROX	SGM240HPPROX	SGM260HPPROX
			/	/	/	/	/
Capacity	Capacity range	HP	70	72	74	76	78
	Cooling	kW	197.5	204.0	209.5	215.0	220.5
	Heating	kW	197.5	204.0	209.5	215.0	220.5
electrical parameters	power supply	Ph/V/Hz	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60
	Willow.	Rated power input	kW	65.50	68.01	82.09	96.17
		Maxi. power input	kW	86.70	87.30	96.00	104.70
		Rated current	A.	110.62	114.84	135.80	156.76
		Maxi. flow	A.	146.37	147.38	160.16	172.95
	Heating	Rated power input	kW	57.50	58.29	65.11	71.93
		Maxi. power input	kW	78.50	79.50	83.40	87.30
		Rated current	A.	97.09	98.40	111.28	124.16
		Maxi. flow	A.	132.52	134.21	140.80	147.38
	EER		3.02	3.00	2.55	2.24	2.00
	SEER		3.43	3.50	3.22	2.99	2.80
	SEER		5.83	5.83	4.90	4.90	4.90
	SCOP		4.17	4.17	3.48	3.48	3.48
	ys,c %		230	230	193	193	193
	ys,h %		164	164	136	136	136
Performance	Airflow (H)	m ³ /h	54000	54000	55000	56000	57000
	Sound pressure level (H)	dB(A)	66	67	67	67	67
	Sound power level (H)	dB(A)	95	95	95	95	95
Setup	External dimensions (W/D/H)	mm	1410×750×1690+1410×750×1690+1410×750×1690				
	Shipment dimensions (W/D/H)	mm	1515/850/1858+1515/850/1858+1515/850/1858				
	Net/Shipment weight	kg	370/400+370/400+370/400				
	Compressor type		D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL
	Compressor brand		MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI
			ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
	Number of compressors		6INV	6INV	6INV	6INV	6INV
	Cooler type		R410A	R410A	R410A	R410A	R410A
	refrigerant charge	kg	30	30	30	30	30
	coolant pipe	mm	22.2	22.2	22.2	22.2	22.2
	refrigerant pipe	mm	44.5	44.5	44.5	44.5	44.5
	Maxi. total pipe length	m	one thousand	one thousand	one thousand	one thousand	one thousand
	Refrigerant pipe (Equivalent/Actual) Max.	m	260/220	260/220	260/220	260/220	260/220
	between IU and DU. load. difference (DU up/down) *1	m	110/90	110/90	110/90	110/90	110/90
	Between IU and DU st. load. difference (DU up/down) *2	m	50/40	50/40	50/40	50/40	50/40
	down) *2 st between IU load. difference *3	m	30	30	30	30	30
	between IU and st. load. difference *4	m	18	18	18	18	18
Connection rate	External static pressure	pa	110	110	110	110	110
	Connectable indoor unit rate	%	50~130	50~130	50~130	50~130	50~130
	Maximum number of indoor units		64	64	64	64	64
Study temp.	Cooling	°C	-5~50				
	Heating	°C	-23~21				

max. between IU and DU. load. difference
*1 between IU and DU st. load.
difference *2 st between IU load.
difference *3 st between IU load. difference *4

If the height difference between outdoor and indoor units is between 50 and 110m, you should contact local distributor/dealer for individual design and production.
Standard design and production in factory.
If the height difference between indoor units is between 18 and 30m, you should contact your local distributor/dealer for individual design and production.
Standard design and production are applied in the factory.

Model			SGM800HPPROX	SGM820HPPROX	SGM840HPPROX	SGM860HPPROX	SGM880HPPROX
Combined Model			SGM200HPPROX	SGM200HPPROX	SGM200HPPROX	SGM200HPPROX	SGM220HPPROX
			SGM200HPPROX	SGM200HPPROX	SGM200HPPROX	SGM220HPPROX	SGM220HPPROX
			SGM200HPPROX	SGM200HPPROX	SGM220HPPROX	SGM220HPPROX	SGM220HPPROX
			SGM200HPPROX	SGM220HPPROX	SGM220HPPROX	SGM220HPPROX	SGM220HPPROX
Capacity	Capacity range	HP	80	82	84	86	88
	Cooling	kW	224.0	229.5	235.0	240.5	246.0
	Heating	kW	224.0	229.5	235.0	240.5	246.0
electrical parameters	power supply	Ph/V/Hz	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60
	Willow.	Rated power input	kW	66.47	70.01	73.55	77.10
		Maxi. power input	kW	100.40	103.80	107.20	110.60
		Rated current	A.	112.21	118.22	124.23	130.23
		Maxi. flow	A.	169.50	175.24	180.98	186.72
	Heating	Rated power input	kW	58.64	62.62	66.60	70.58
		Maxi. power input	kW	90.80	93.60	96.40	99.20
		Rated current	A.	98.99	105.74	112.48	119.22
		Maxi. flow	A.	153.29	158.02	162.74	167.47
	EER		3.37	3.28	3.19	3.12	3.05
	SEER		3.82	3.67	3.53	3.41	3.30
	SEER		6.75	6.54	6.54	6.54	6.54
	SCOP		4.20	4.20	4.20	4.20	4.21
	ys,c %		267	259	259	259	259
	ys,h %		165	165	165	165	165
Performance	Airflow (H)	m ³ /h	68000	69000	70000	71000	72000
	Sound pressure level (H)	dB(A)	67	67	67	67	67
	Sound power level (H)	dB(A)	94	95	95	96	96
Setup	External dimensions (W/D/H)	mm	1410×750×1690+1410×750×1690+1410×750×1690+1410×750×1690				
	Shipment dimensions (W/D/H)	mm	1515/850/1858+1515/850/1858+1515/850/1838+1515/850/1858				
	Net/Shipment weight	kg	370/400+370/400+370/400+370/400				
	Compressor type		D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL
	Compressor brand		MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI	MITSUBISHI
			ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC	ELECTRIC
	Number of compressors		8INV	8INV	8INV	8INV	8INV
	Cooler type		R410A	R410A	R410A	R410A	R410A
	refrigerant charge	kg	40	40	40	40	40
	coolant pipe	mm	22.2	22.2	22.2	25.4	25.4
	refrigerant pipe	mm	44.5	44.5	44.5	50.8	50.8
	Maxi. total pipe length	m	one thousand	one thousand	one thousand	one thousand	one thousand
	Refrigerant pipe (Equivalent/Actual) Max.	m	260/220	260/220	260/220	260/220	260/220
	between IU and DU. load. difference (DU up/down) *1	m	110/90	110/90	110/90	110/90	110/90
	Between IU and DU st. load. difference (DU up/down) *2	m	50/40	50/40	50/40	50/40	50/40
	down) *2 st between IU load. difference *3	m	30	30	30	30	30
	between IU and st. load. difference *4	m	18	18	18	18	18
Connection rate	External static pressure	pa	110	110	110	110	110
	Connectable indoor unit rate	%	50~130	50~130	50~130	50~130	50~130
	Maximum number of indoor units		64	64	64	64	64
Study temp.	Cooling	°C	-5~50				
	Heating	°C	-23~21				

* All specifications tested in nominal condition (cooling indoor temp. 27°C DB/19°C WB; outdoor temp. 35°C DB/24WB; heating indoor temp. 20°C DB, heating outdoor temp. 7°C DB (6°C WB))



SGM080HPPROX
SGM100HPPROX
SGM120HPPROX
SGM140HPPROX
SGM160HPPROX



SGM180HPPROX
SGM200HPPROX
SGM220HPPROX
SGM240HPPROX
SGM260HPPROX



- Full DC inverter compressors
- Maximum single module 26HP
- Maximum combined
104HP • Total pipe length 1000
m • Height drop 110 m

Model			SGM900HPPROX	SGM920HPPROX	SGM940HPPROX	SGM960HPPROX
Combined Model			SGM240HPPROX	SGM240HPPROX	SGM240HPPROX	SGM240HPPROX
			SGM220HPPROX	SGM240HPPROX	SGM240HPPROX	SGM240HPPROX
			SGM220HPPROX	SGM220HPPROX	SGM240HPPROX	SGM240HPPROX
			SGM220HPPROX	SGM220HPPROX	SGM220HPPROX	SGM240HPPROX
Capacity	Capacity range	HP	90	92	94	96
	Cooling	kW	252.5	259.0	265.5	272.0
	Heating	kW	252.5	259.0	265.5	272.0
Electrical parameters	power supply	Ph/V/Hz	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60
	Willow.	Rated power input	kW	83.15	85.66	88.17
		Maxi. power input	kW	114.60	115.20	116.40
		Rated current	A.	140.46	144.68	148.90
		Maxi. flow	A.	193.47	194.48	196.51
	Heating	Rated power input	kW	75.35	76.14	76.93
		Maxi. power input	kW	103.00	104.00	106.00
		Rated current	A.	127.27	128.58	129.89
		Maxi. flow	A.	173.89	175.57	177.26
	EER		3.04	3.02	3.01	3.00
	PLRUBISH		3.35	3.40	3.45	3.50
	SEER		5.83	5.83	5.83	5.83
	SCOP		4.17	4.17	4.17	4.17
	ys,c %		230	230	230	230
	ys,h %		164	164	164	164
Performance	Airflow (H)	m ³ /h	72000	72000	72000	72000
	Sound pressure level (H)	dB(A)	67	68	68	67
	Sound power level (H)	dB(A)	96	96	96	96
Setup	External dimensions (W/D/H)	mm	1410×750×1690+1410×750×1690+1410×750×1690+1410×750×1690			
	Shipment dimensions (W/D/H)	mm	1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858			
	Net/Shipment weight	kg	370/400+370/400+370/400+370/400			
	Compressor type		D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL
	Compressor brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Number of compressors		8INV	8INV	8INV	8INV
	Cooler type		R410A	R410A	R410A	R410A
	refrigerant charge	kg	40	40	40	40
	coolant pipe	mm	25.4	25.4	25.4	25.4
	refrigerant pipe	mm	50.8	50.8	50.8	50.8
	Maxi. total pipe length	m	see thousand	see thousand	see thousand	see thousand
	Refrigerant pipe (Equivalent/Actual) Max.	m	260/220	260/220	260/220	260/220
	between IU and DU. load. difference (DU up/down) *1	m	110/90	110/90	110/90	110/90
	Between IU and DU st. load. difference (DU up/down) *2	m	50/40	50/40	50/40	50/40
	down) *2 st between IU load. difference *3	m	30	30	30	30
	between IU and st. load. difference *4	m	18	18	18	18
	External static pressure	pa	110	110	110	110
Connection rate	Connectable indoor unit rate	%	50~130	50~130	50~130	50~130
	Maximum number of indoor units		64	64	64	64
Study temp.	Cooling	°C	-5~50			
	Heating	°C	-23~21			

max. between IU and DU. load. difference *1 between IU and DU st. load. difference *2 between IU load. difference *3 between IU load. difference *4

If the height difference between outdoor and indoor units is between 90 and 110m, you should contact local distributor/dealer for individual design and production. Standard design and production are applied in the factory.

If the height difference between indoor units is between 18 and 30m, you should contact your local distributor/dealer for individual design and production. Standard design and production are applied in the factory.

Model			SGM980HPPROX	SGM1000HPPROX	SGM1020HPPROX	SGM1040HPPROX
Combined Model			SGM260HPPROX	SGM260HPPROX	SGM260HPPROX	SGM260HPPROX
			SGM240HPPROX	SGM260HPPROX	SGM260HPPROX	SGM260HPPROX
			SGM240HPPROX	SGM240HPPROX	SGM260HPPROX	SGM260HPPROX
			SGM240HPPROX	SGM240HPPROX	SGM240HPPROX	SGM260HPPROX
Capacity	Capacity range	HP	98	see thousand	102	104
	Cooling	kW	277.5	283.0	288.5	294.0
	Heating	kW	277.5	283.0	288.5	294.0
Electrical parameters	power supply	Ph/V/Hz	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60	3/380~415/50/60
	Willow.	Rated power input	kW	104.76	118.84	132.92
		Maxi. power input	kW	125.10	133.80	142.50
		Rated current	A.	174.08	195.04	216.00
		Maxi. flow	A.	209.29	222.07	234.86
	Heating	Rated power input	kW	84.54	91.36	98.18
		Maxi. power input	kW	109.90	113.80	117.70
		Rated current	A.	114.08	156.96	169.84
		Maxi. flow	A.	185.53	192.12	198.70
	EER		2.65	2.38	2.17	2.00
	PLRUBISH		3.28	3.10	2.94	2.80
	SEER		4.90	4.90	4.90	4.90
	SCOP		3.48	3.48	3.48	3.48
	ys,c %		193	193	193	193
	ys,h %		136	136	136	136
Performance	Airflow (H)	m ³ /h	73000	74000	75000	76000
	Sound pressure level (H)	dB(A)	67	68	68	68
	Sound power level (H)	dB(A)	96	96	96	96
Setup	External dimensions (W/D/H)	mm	1410×750×1690+1410×750×1690+1410×750×1690+1410×750×1690			
	Shipment dimensions (W/D/H)	mm	1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858			
	Net/Shipment weight	kg	370/400+370/400+370/400+370/400			
	Compressor type		D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL	D.C. INV. SCROLL
	Compressor brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Number of compressors		8INV	8INV	8INV	8INV
	Cooler type		R410A	R410A	R410A	R410A
	refrigerant charge	kg	40	40	40	40
	coolant pipe	mm	25.4	25.4	25.4	25.4
	refrigerant pipe	mm	54.1	54.1	54.1	54.1
	Maxi. total pipe length	m	see thousand	see thousand	see thousand	see thousand
	Refrigerant pipe (Equivalent/Actual) Max.	m	260/220	260/220	260/220	260/220
	between IU and DU. load. difference (DU up/down) *1	m	110/90	110/90	110/90	110/90
	Between IU and DU st. load. difference (DU up/down) *2	m	50/40	50/40	50/40	50/40
	down) *2 st between IU load. difference *3	m	30	30	30	30
	between IU and st. load. difference *4	m	18	18	18	18
	External static pressure	pa	110	110	110	110
Connection rate	Connectable indoor unit rate	%	50~130	50~130	50~130	50~130
	Maximum number of indoor units		64	64	64	64
Study temp.	Cooling	°C	-5~50			
	Heating	°C	-23~21			

* All specifications tested in nominal condition (cooling indoor temp. 27°C DB/19°C WB; outdoor temp. 35°C DB/24WB; heating indoor temp. 20°C DB, heating outdoor temp. 7°C DB (6°C WB))



SIGMA PRO X S
DC INVERTER

Mini Outdoor Units



PRO XS (4/5/6HP) II

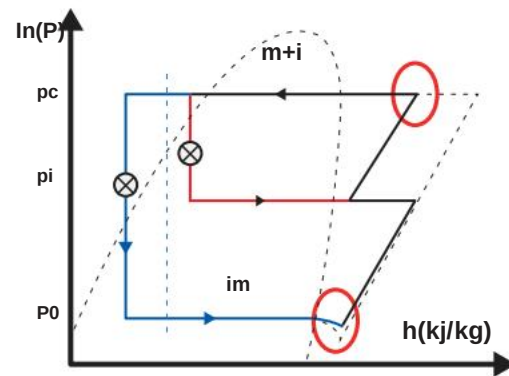
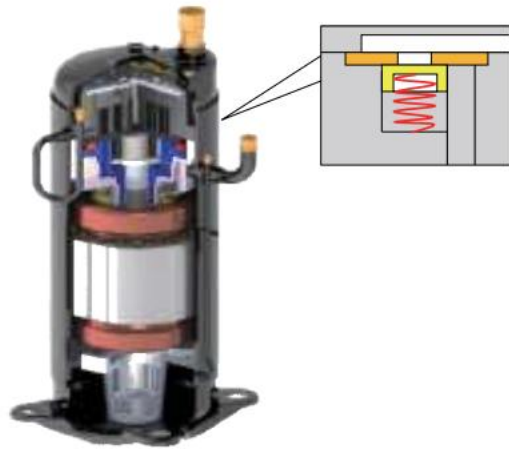
Technology Leader

- With two-stage supercooling cycle technology, the efficiency of the unit increases by 9%. For cooling below 30°C, the cooling capacity of the unit increases by 46%.
- The supercooling coil added below the external exchanger increases the supercooling effectiveness in the system.



With the recovered gas, the unit achieves a strong heating capacity:

Taking the heating cycle as an example, the heat exchange capacity of the outdoor unit is reduced when the ambient temperature is low. The amount of air returned by the compressor is reduced and the heating capacity is improved by increasing the amount of refrigerant in the heat cycle of the indoor heat exchanger.



High Energy Efficiency

- DC inverter compressor**
The DC inverter compressor used by PRO X consumes 5% less energy (14kw).
- DC fan motor and 550mm large fan offer**
38% less power input and 8% more airflow.
- Larger heat exchanger**
The heat exchange area increases by 10%.
- Heat exchanger service valve**
Integrated exchanger service valve provides safer and easier maintenance.
- Low standby power**
New PCB program reduces standby power consumption by 20%.

Comfort

- The new aerodynamic fan**
The very large diameter helical fan with a diameter of 550 mm reduces the sound level by 3 dB(A).
- Expanded air inlet path and spiral air outlet path**
Airflow direction follows the grille direction and reduces the sound level by 2-4 dB(A).
- Night mode is set by the automatic noise reduction program PCB, which is less than 8 dB(A).**



Ease

- Double-sided "4" handle. Easy to carry.**
- "888" test panel**
All operating data and error codes can be checked on the "888" screen, which is very easy for installers.
- "Four-way" pipe connection 4-way (front, rear, left and right) pipe connection simplifies design and installation.**



PRO XS (8/10/12HP) II

External Structure (8/10/12HP Side Fire)

Larger external capacity, more flexible application

1 Energy Effectiveness

2 Comfortable Environment

3 Side Shot and Compact Design

4 High Reliability

High effectiveness DC fan motor

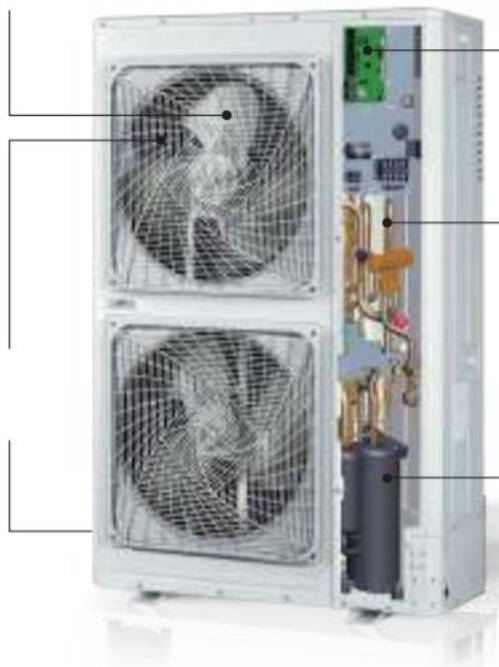
- With stepless inverter control, the DC fan motor increases efficiency by 45% compared to the AC motor while greatly reducing power input.

large diameter fan

- 570 mm diameter axial flow fan
- Zigzag design increases air volume while reducing airflow irregularity and noise.

High efficiency capacitor

- New type high efficiency Ø8 internal corrugated pipe
- New and highly effective water absorbing wing



Vector inverter control

- 180 degree sine wave vector control, 64-bit operation
- Precise control for high efficiency and low noise

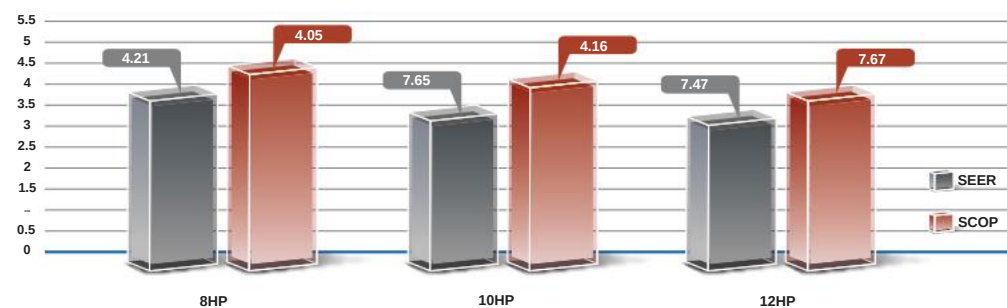
Twin Rotary DC inverter compressor

- High room DC INVERTER Twin rotary compressor
- Low vibration and noise, high efficiency

dual pressure sensor

- Dual voltage sensor for high and low pressure
- Precise pressure control, the system works more smoothly and with higher efficiency.

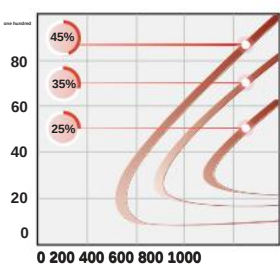
High EER and COP



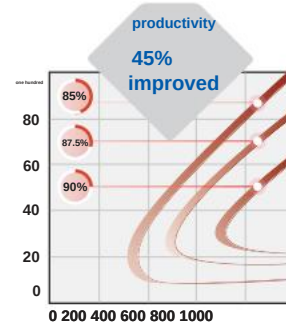
DC fan and fan motor

The fan motor with DC inverter is much more effective in partial load operation.

- 16-stage speed control is highly effective, especially at low speed.
 - Efficiency is 45% higher compared to AC motor.
- Power input is greatly reduced.



AC motor efficiency



DC motor efficiency

Larger fan diameter

- 550 mm fan diameter provides more airflow and higher efficiency.



dc motor



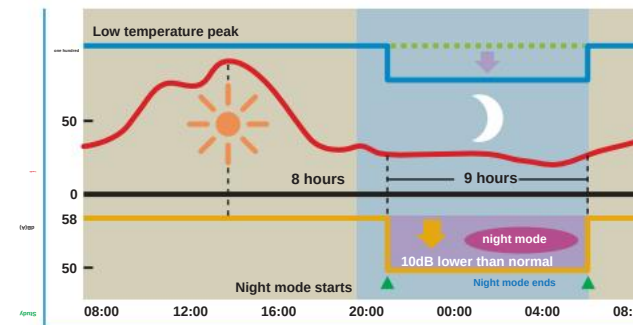
Ø550mm fan

Energy Efficiency

Low noise level

Night silent operation function

Noise can be reduced to 45dB(A).



Low noise operation

- DC inverter compressor; smooth operation, no need to start the compressor frequently, no outside noise ensures effective reduction.
- Vector inverter control offers more precise control.
- Motor bracket is used for DC fan motor, non-resonant structure, ensuring smooth operation of the motor and reducing noise.

Large diameter fan, quieter

It is designed according to the ventilation principle.



Easy setup

Compact side discharge design, large capacity, small footprint

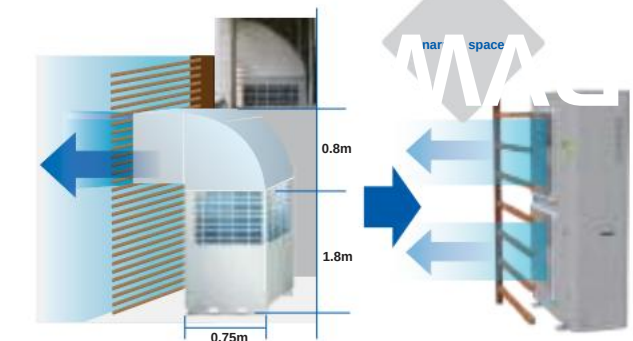
Small footprint, only 0.42 m² floor area



Compact side discharge design

Compared to top-firing unit

There is no need for an additional ventilation hood.



Easy setup

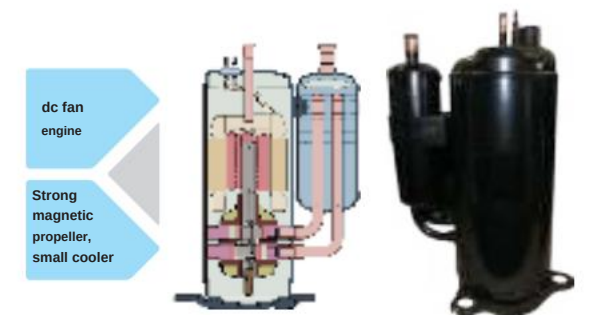
4-way pipe connection

4-way pipe connection from front, rear, right and bottom, flexible installation



New DC inverter with Twin Rotary compressor

- Low torque variation, good dynamic balance, stable system, Less vibration and noise, more efficiency
- Higher efficiency in part-load operation

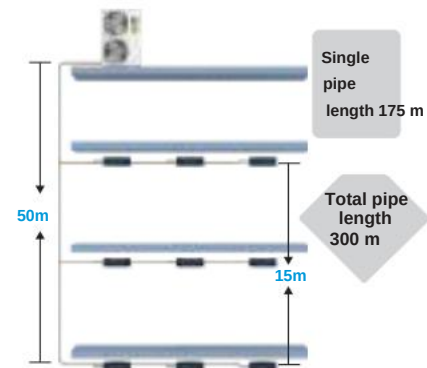


PRO XS (8/10/12HP) II

Easy setup

Long pipe, high drop

- Total pipe length 300 m • Single pipe length maximum 175 m • 135 m from outside to first branch pipe • 40 m from first branch to furthest indoor unit • Height difference 50 m (outdoor unit top)/40 m (outdoor unit bottom) • Indoor units Height difference between 15 m



Separate refrigerant charge valve

Filling refrigerant is easy.

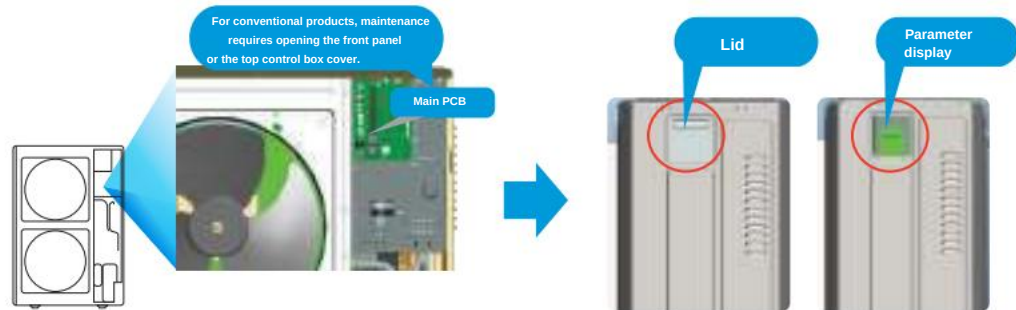


Easy Service

Parameter display panel • The

first original parameter display panel placed on the side

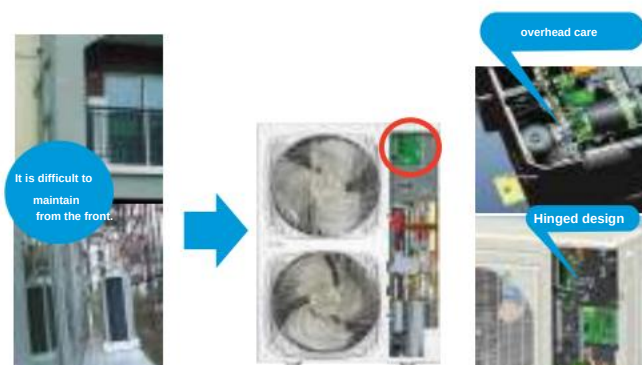
- Parameters can be viewed directly by opening the protective cover for maintenance. There is no need to remove the repair card.



Easy maintenance and control

The control box is at the front. A gap of 108 mm is left between the control box and the top panel.

Thanks to its hinged design, maintenance operations can be easily carried out from the upper control box.



High Reliability

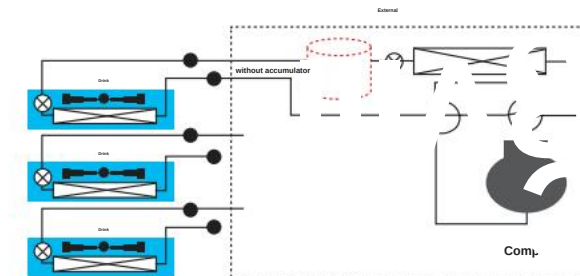
Refrigerant automatic recovery technology

- Set refrigerant automatic recovery with dip switch. The refrigerant in the indoor unit and pipe automatically returns to the outdoor unit. This feature simplifies maintenance and reduces coolant waste. While maintenance costs decrease, after-sales maintenance efficiency increases.



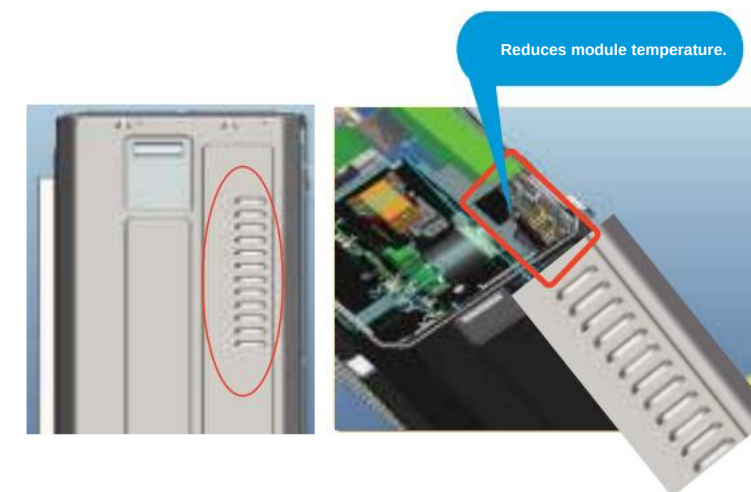
Cooler control technology

- Coolant control technology without high pressure accumulator reduces the coolant volume and improves operating efficiency.



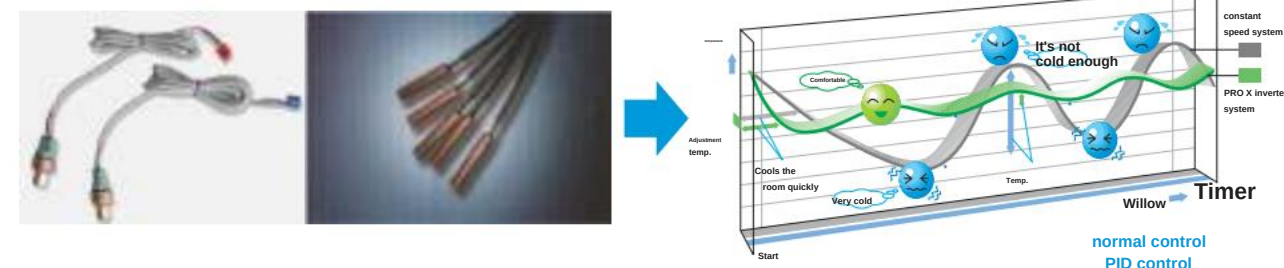
Air intake grille on right panel

- The design of the air inlet grille reduces the temperature of the module and prevents dust from entering the air conditioner.



High and low, dual pressure sensor

- Dual pressure sensor with PID control technology
- With high-speed communication, the compressor is started quickly and controlled more precisely. The temperature can be controlled within $\pm 0.5^\circ\text{C}$.





PRO XS Technical Specifications



-  SGM040MMPROX
-  SGM050MMPROX
-  SGM060MMPROX
-  SGM040MTPROX
-  SGM050MTPROX
-  SGM060MTPROX

Model								
SGM040MMPROX SGM050MMPROX SGM060MMPROX SGM040MTPROX SGM050MTPROX SGM060MTPROX								
Capacity	Capacity range	HP	4	5	6	4	5	6
	Cooling	kW	12.1	14	15.5	12.1	14	15.5
	Heating	kW	12.1	14	15.5	12.1	14	15.5
	EER	/	3.35	3.23	3.00	3.35	3.23	3.00
	SEER	/	6.82	6.65	6.80	6.82	6.65	6.80
	γs	%	270	263	269	270	263	269
	HUBBISH	/	3.75	3.72	3.10	3.75	3.72	3.10
	SCOP(1)	/	4.05	4.11	4.05	4.05	4.11	4.05
	γs	%	159	161	159	159	161	159
electrical Paramet.	power supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	3/380-415/50/60	3/380-415/50/60	3/380-415/50/60
	Rated power input (Cooling)	kW	3.61	4.33	5.17	3.61	4.33	5.17
	Rated current (Cooling)	A.	17.28	20.74	24.72	5.78	6.93	8.26
	Rated power input (Heating)	kW	3.23	3.76	5.00	3.23	3.76	5.00
	Rated Current (Heating)	A.	15.44	18.01	23.92	5.16	6.02	8.00
Dimensions (H/W/D)	External dimensions	mm	950/370/1350	950/370/1350	950/370/1350	950/370/1350	950/370/1350	950/370/1350
	Shipment (H/W/D)	mm	1023/471/1420	1023/471/1420	1023/471/1420	1023/471/1420	1023/471/1420	1023/471/1420
Weight	Net/Shipment	kg	108/123	108/123	108/123	108/123	108/123	108/123
Compressor	Compressor type	/	Rotary	Rotary	Rotary	Rotary	Rotary	Rotary
	Motor power	W	4130	4130	4130	4060	4060	4060
	Number of compressors	/	-	-	-	-	-	-
Fan	Airflow (H)	m ³ /h	7200	7200	7200	7200	7200	7200
Sound pressure level	Cooling	dB(A)	57	58	59	57	58	59
	Heating	dB(A)	57	58	59	57	58	59
Cooler	Type	/	R410A	R410A	R410A	R410A	R410A	R410A
	charge	kg	4	4	4	4	4	4
Piping	coolant pipe	mm	9.52	9.52	9.52	9.52	9.52	9.52
	refrigerant pipe	mm	15.88	15.88	15.88	15.88	15.88	15.88
	Total pipe length Max. pipe	m	300	300	300	300	300	300
	length (Equivalent/ Actual)	m	175/150	175/150	175/150	175/150	175/150	175/150
	Maxi decline between IU and DU	m	50	50	50	50	50	50
	Maxi decline between IU and DU	m	15	15	15	15	15	15
Connection rate	Connectable indoor unit rate	%	50-130	50-130	50-130	50-130	50-130	50-130
	Maximum number of indoor units	/	8	10	13	8	10	13
Study temp.	Cooling	/	-5~50	-5~50	-5~50	-5~50	-5~50	-5~50
	Heating	°C	-20~27	-20~27	-20~27	-20~27	-20~27	-20~27

* All specifications tested in nominal condition (indoor temp. 27°C DB/19°C WB at cooling T1; outdoor temp. 35°C DB/24WB; indoor temp. 27°C DB/19° at cooling T3 C WB; Outdoor temp. 46°C DB/24WB; indoor temp. 20°C DB in heating, outdoor temp. 7°C DB/6°C WB in heating)



-  SGM080MTPROX
-  SGM100MTPROX
-  SGM120MTPROX

Model				
SGM080MTPROX1 SGM100MTPROX1 SGM120MTPROX1				
Capacity	Capacity range	HP	8	10
	Cooling	kW	22.6	28
	Heating	kW	22.6	30.5
	Maxi. heating	kW	25	32
	EER	/	3.25	3.23
	SEER	/	7.67	7.65
	γs	%	304	303
	HUBBISH	/	3.90	3.80
	SCOP(1)	/	4.05	4.16
electrical Paramet.	power supply	Ph/V/Hz	3/380~415/50/60	3/380~415/50/60
	Rated power input (Cooling)	kW	6.95	8.67
	Rated current (Cooling)	A.	11.42	14.24
	Rated power input (Heating)	kW	5.79	8.03
	Rated Current (Heating)	A.	9.52	13.18
Dimensions (H/W/D)	External dimensions	mm	1050/400/1636	1050/400/1636
	Shipment (H/W/D)	mm	1150/510/1790	1150/510/1790
Weight	Net/Shipment	kg	149/168	149/168
Compressor	Compressor type	/	Inverter Twin Rotary	Inverter Twin Rotary
	Motor power	W	6270	6270
	Number of compressors	/	-	-
Fan	Airflow (H)	m ³ /h	10000	10000
Sound pressure level	Cooling	dB(A)	63	64
	Heating	dB(A)	65	66
Cooler	Type	/	R410A	R410A
	charge	kg	5.1	5.1
Piping	coolant pipe	mm	9.52	9.52
	refrigerant pipe	mm	19.05	22.22
	Total pipe length Max. pipe	m	300	300
	length (Equivalent/ Actual)	m	175/150	175/150
	Maxi decline between IU and DU	m	50	50
	Maxi decline between IU and DU	m	15	15
Connection rate	Connectable indoor unit rate	%	50-130	50-130
	Maximum number of indoor units	/	13	16
Study temp.	Cooling	/	-5~48	-5~48
	Heating	°C	-20~27	-20~27

*All specifications tested in nominal condition (indoor temp. 27°C DB/19°C WB at cooling T1; outdoor temp. 35°C DB/24WB; indoor temp. 27°C DB/19° at cooling T3 C WB; Outdoor temp. 46°C DB/24WB; indoor temp. 20°C DB in heating, outdoor temp. 7°C DB/6°C WB in heating)"

PRO XS (3/5/7HP) I

PRO _

DC inverter Twin Rotary compressor

The compactly designed compressor has a combined type motor, hot riveted connection and composite baffle technology. A wide range of inverter compressors are available to meet customers' innovative requirements and design needs.



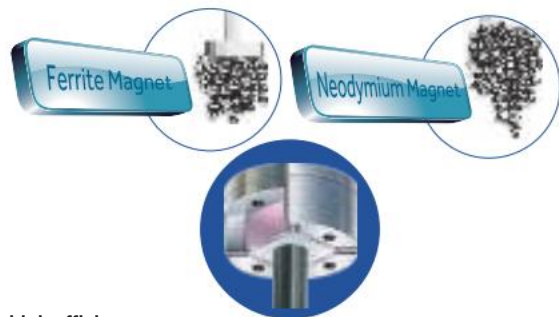
Operating range

• PRO _ • For capacities in low temperature conditions, please refer to the technical data sheets.



DC inverter technology

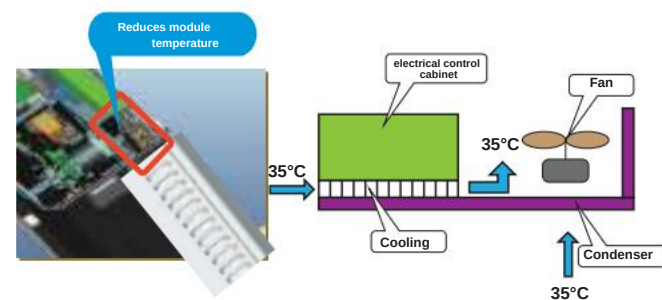
The speed of the DC fan motor can be adjusted between 0-960r/min. This increases the effectiveness of the unit.



high efficiency
Low vibration and noise
high effectiveness

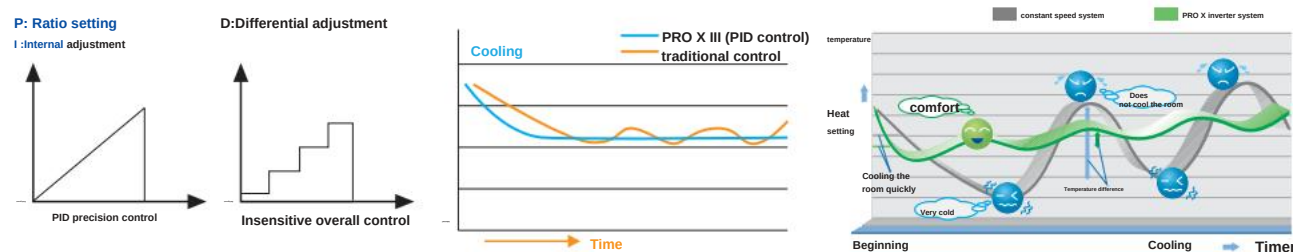
Air intake grille on right panel

There is an air flap on the right side of the unit panel to better disperse heat for efficient operation at high temperatures. The design of the air intake grille reduces the temperature of the module and prevents dust from entering the air conditioner.



Precise control

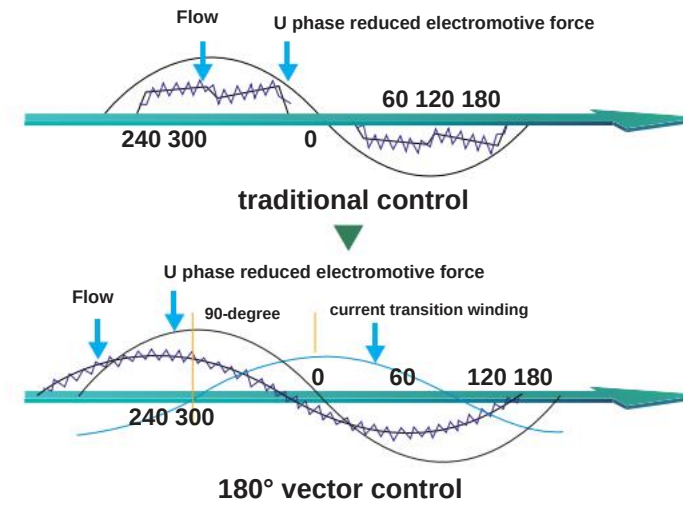
PID control adjusts the compressor output and EEV opening degree, balances the internal refrigerant flow, realizes linear output and creates a comfortable environment. The temperature can be controlled precisely.



PRO _

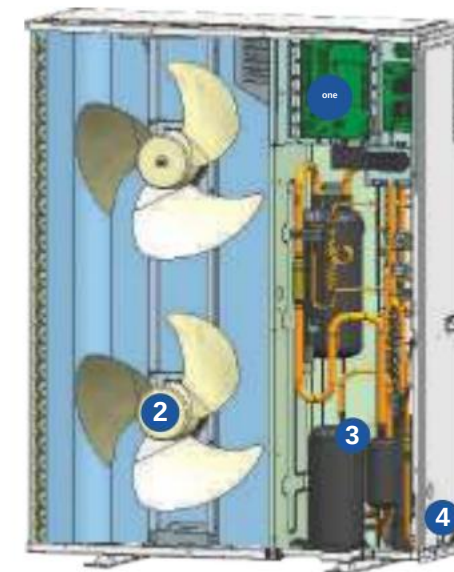
180° vector control technology

Sigma uses the power resistor to detect the compressor's impeller orientation. In this way, power efficiency increases by approximately 17% by ensuring consistency in the compressor's operating current and current sine waves.



Side discharge PRO X SI outdoor unit

• Dual frequency 50/60Hz / DC inverter twin rotary compressor / BLDC fan (brushless DC motor)



- The operating frequency of the compressor is controlled by temperature. The sensor is more sensitive and quicker than the traditional control system.
- DC fan motor (SGM50-60STPROX)
- Efficient DC inverter compressor
- Single adjustment valve, easy installation saving time
- It self-diagnoses faults.

PRO XS Technical Specification



- SGM030SMPROX
- SGM050SMPROX
- SGM050STPROX
- SGM070STPROX

Model			SGM030SMPROX	SGM050SMPROX	SGM050STPROX	SGM070STPROX
Capacity	Capacity range	HP	3HP	5HP	7HP	7HP
	Cooling	kBtu/h		51.2	61.4	61.4
		kW	27.38	14	18	18
	Heating	kBtu/h	32.4	58	68.2	68.2
		kW	9.5	16	20	20
electrical Paramet.	power supply	Ph/V/Hz	1/220~240/50	1/220~240/50/60	1/220~240/50/60	3/380~400/50/60
	Power input (Cooling)	kW	2.2	3.7	4.75	4.75
	Power input (Heating)	kW	2.2	3.73	4.56	4.56
	EER/COP	W/W	3.64/4.32	3.78/4.29	3.79/4.39	3.79/4.39
Performance	Airflow (H)	m ³ /h	4500	7200	7200	7200
	Sound pressure level (H)	dB(A)	50	52	54	59
	Sound power level (H)	dB(A)	61	63	65	70
Setup	External dimensions (W/D/H)	mm	920×372×760	950×370×1350	950×370×1350	950×370×1340
	Shipping dimensions (W/D/H)	mm	1036×478×820	1023/483/1492	1023/483/1492	1023/483/1492
	Net/Shipment weight	kg	61/67	108/123	108/123	108/123
	Compressor type		Rotary	Rotary	Rotary	Rotary
	Compressor brand		MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC	MITSUBISHI ELECTRIC
	Number of compressors		--	--	--	--
	Cooler type		R410A	R410A	R410A	R410A
	refrigerant charge	kg	2.1	4	4	4
	coolant pipe	mm	9.52	9.52	9.52	9.52
	refrigerant pipe		15.88	19.05	19.05	15.88
	Total pipe length		120	150	150	300
	Maxi. pipe length (Equivalent/		70	70	70	175/150
	Actual) Maxi reduction between IU and DU		30/20	30/20	30/20	50/40
	Maxi decline between IU and DU		10	10	10	15
Connection rate	Connectable indoor unit rate		50~130	50~130	50~130%	50~130
	Maximum number of indoor units		4	8	9	13
Study temp.	Cooling	°C	-5yy50y	-5yy50y	-5yy50y	-5yy50y
	Heating	°C	-20yy27y	-20yy27y	-20yy27y	-20yy27y

* All specifications tested in nominal condition (cooling indoor temp. 27°C DB/19°C WB; outdoor temp. 35°C DB/24WB; heating indoor temp. 20°C DB, heating outdoor temp. 7°C DB /6°C WB)





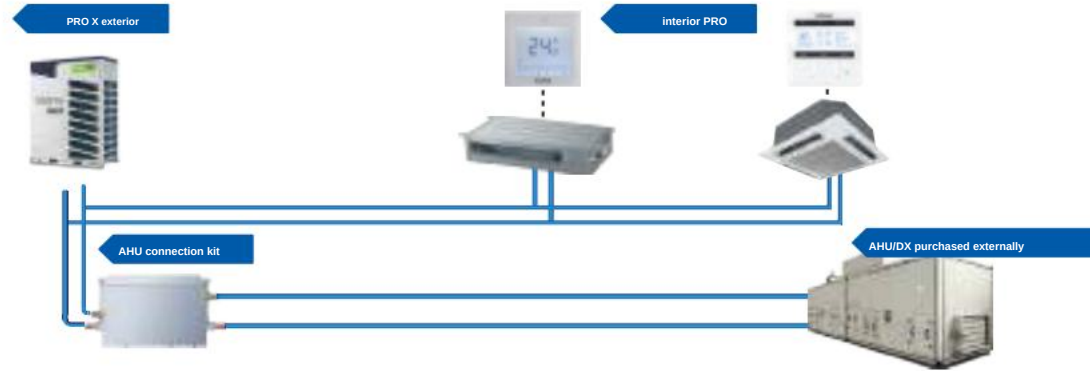
SIGMA **PROX**
DC INVERTER

AHU Kit



Login the system

Sigma PRO X offers a range of connection kits to connect outdoor units to AHU/DX air handling units.



System Application

To accommodate air handling units, PRO X provides a large space to cool the fresh air fed to the outdoor units. The advantages of PRO X and AHU units are combined.

- Meets EU requirements for a minimum supply of 25 m³ / s. All offices, shops and commercial buildings can use this solution.



System Sorting

Sigma PRO X AHU provides a wide range of PRO X outdoor unit, valve box and super match indoor unit solutions.

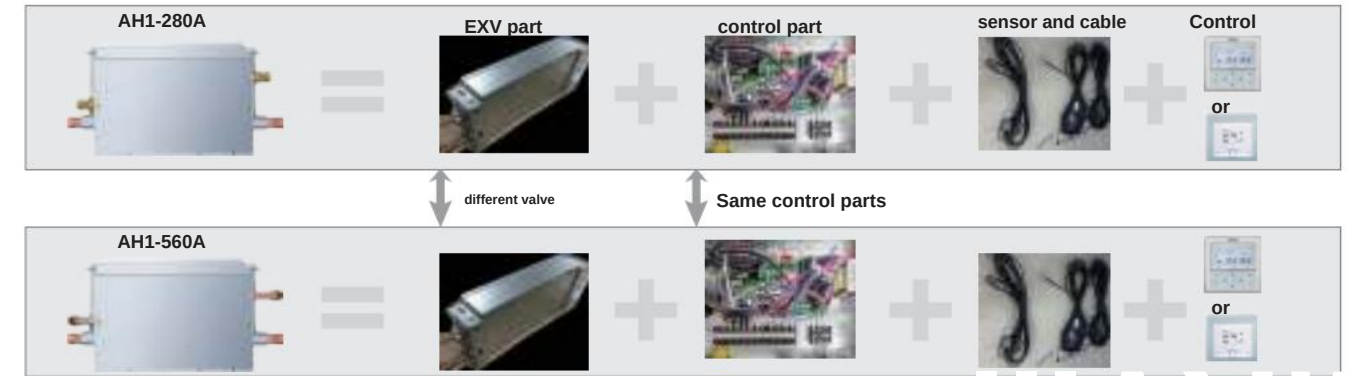
EXTERNAL	PROX	MRV SII		
HP	8-26	8	10	12
power supply	3Ph/380-415V/50(60)Hz	3Ph/380-400V/50(60)Hz		

valve box	AHI-280A—B	AHI-560A—B
	 5HP(14KW) <Connected AHU capa. ý10HP(28KW)	 10HP(28KW) <Connected AHU capa. ý20HP(56KW)



AHU Kit Configuration

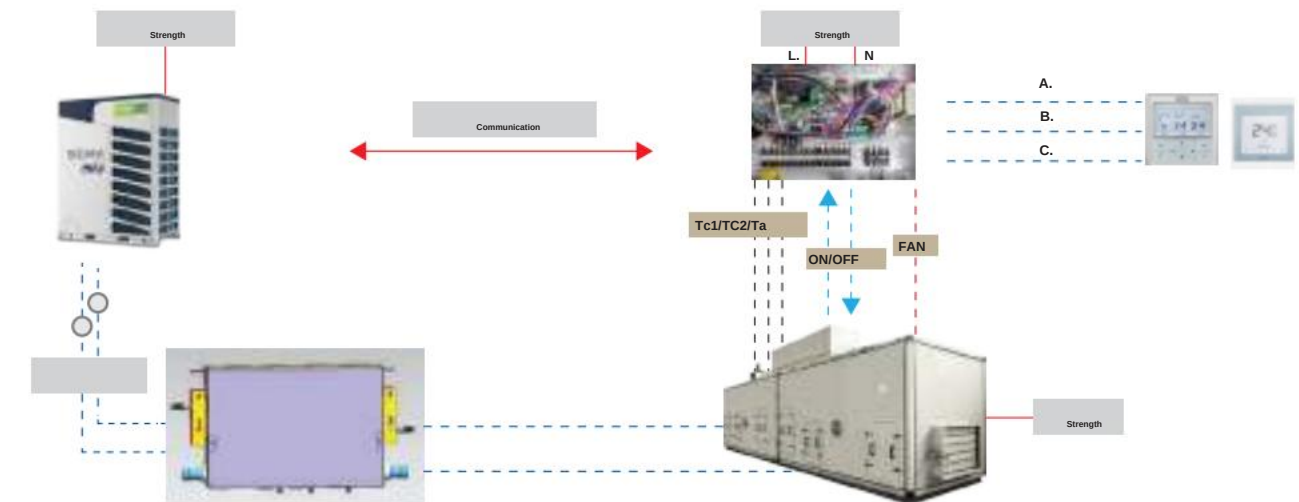
Sigma AHU connection kit consists of 4 parts.



- EXV part, control part, sensor and cable all in one box.
- The remote control must be purchased separately.

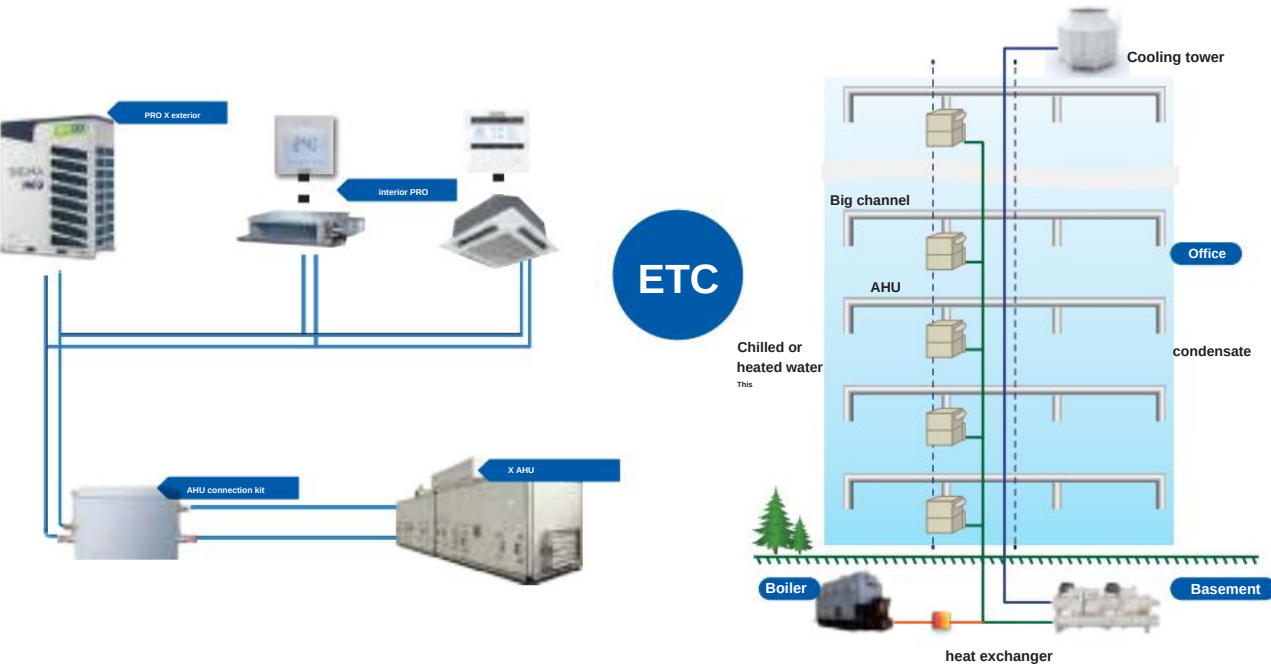
AHU Connection Kit Control

System control



Easy setup

- Boiler, gas connections, cooling tower etc. by using PRO X outdoor unit instead of traditional cooling external system. Easy installation is achieved without using additional water systems. Since systems are not required, system costs also decrease.
- Provides clean air that is cool enough for the AHU, PRO X and fresh air indoor units.
- All control systems are included for the PRO X outdoor unit.



Advantages

large capacity

Connected AHU capacity from 5HP to 20HP

Highly compatible

1. Same PCB board as PRO X indoor unit, easy operation and service
2. Same wired controller can be used with PRO

Reliable EEV

EEV is imported from Japan.



Technical Specifications



ledom	AHI-280A—B	AHI-560A—B
Connected AHU capacity	14yx528KW (5-10HP)	28yx56KW (10-20HP)
Power supply (Ph/V/Hz)	1/220~240/50/60	1/220~240/50/60
Dimensions (mm)	420/260/165	420/260/165
Shipping dimensions (mm)	520/340/225	520/340/225
Material	galvanized steel	galvanized steel
Colour	Grey	Grey
Weight (kg)	5.5	5.5
Shipping weight (kg)	8.5	8.5
Liquid pipe (mm)	9.52 (Main) / 6.35	9.52 (Main) / 6.35
Pipe connection method	Countersunk connection and welding	Countersunk connection and welding
AHU kit-indoor units maxi. single pipe length (m)	5	5
AHU kit-indoor units maxi. drop (m)	5	5

EXV part and control part integration makes installation easy. The gas pipe is integrated into the valve box.

There is no need to bend and boil the gas pipe. It is easy to install.



Traditional

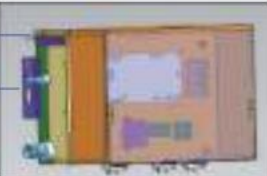


Optional installation location

EEV box inlet and outlet pipe can be laid from the left or right.

It is mounted on the wall.

Hanger



It is mounted on the wall.



or





Indoor Units

- 46 1-Way Cassette
- 48 2 Way Cassette
- 50 4 Way Mini Cassette
- 52 4-Way Circular Blown Cassette
- 54 4 Way Cassette
- 58 Ceiling Type
- 60 Low ESP Fine Channel
- 62 Medium ESP Channel
- 64 High ESP Channel
- 68 Flooring Type
- 70 Console Type
- 72 Wall type

1 Direction
TAPE



Technical Specifications

Model/Indoor unit			SGM015C1PROX1	SGM022C1PROX1	SGM028C1PROX1	SGM036C1PROX1
Capacity	Cooling	kBtu/h	5.1	7.5	9.6	12.3
		kW	1.5	2.2	2.8	3.6
	Heating	kBtu/h	5.8	8.5	10.9	13.7
		kW	1.7	2.5	3.2	4
Electrical Parameter.	power supply	Ph/V/Hz	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60
	Power Input	W	35	35	35	55
	Flow	A.	0.5	0.5	0.5	0.6
	Airflow (H/M/L)	m ³ /h	540/400/270	540/400/270	540/400/270	650/510/390
Performance	Sound Pressure Level (H/M/L)	dB(A)	38/33/28	38/33/28	38/33/28	40/36/31
	Sound Power Level (H/M/L)	dB	52/47/42	52/47/42	52/47/42	54/50/45
	External dimensions (W/D/H)	mm	850/540/185	850/540/185	850/540/185	850/540/185
	Shipping dimensions (W/D/H)	mm	1043/648/270	1043/648/270	1043/648/270	1043/648/270
Setup	Net/Shipment weight	kg	20.5/24.7	20.5/24.7	20.5/24.7	20.8/24.9
	coolant pipe	mm	6.35	6.35	6.35	6.35
	refrigerant pipe	mm	9.52	9.52	9.52	12.7
	Model Name		P1B-1028IB	P1B-1028IB	P1B-1028IB	P1B-1028IB
Panel	External dimensions (W/D/H)	mm	1028/600/45	1028/600/45	1028/600/45	1028/600/45
	Shipping dimensions (W/D/H)	mm	1143/688/170	1143/688/170	1143/688/170	1143/688/170
	Net/Shipping weight	kg	3.9/8.0	3.9/8.0	3.9/8.0	3.9/8.0
	Model Name		P1B-1028IB	P1B-1028IB	P1B-1028IB	P1B-1028IB
Control	Wired (Optional)	/	YR-E17A	YR-E17A	YR-E17A	YR-E17A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
	Wireless (Optional)	/	YR(L)-HQS01	YR(L)-HQS01	YR(L)-HQS01	YR(L)-HQS01
		/	YR(L)-HQS01	YR(L)-HQS01	YR(L)-HQS01	YR(L)-HQS01

Model/Indoor unit			SGM045C1PROX1	SGM056C1PROX1	SGM071C1PROX1
Capacity	Cooling	kBtu/h	15.4	19.1	24.2
		kW	4.5	5.6	7.1
	Heating	kBtu/h	17.1	21.5	27.3
		kW	5	6.3	8
Electrical Parameter.	power supply	Ph/V/Hz	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60
	Power Input	W	65	71	78
	Flow	A.	0.6	0.6	0.7
	Airflow (H/M/L)	m ³ /h	700/530/410	820/660/510	870/690/510
Performance	Sound Pressure Level (H/M/L)	dB(A)	41/36/32	40/36/32	42/36/32
	Sound Power Level (H/M/L)	dB	55/50/46	54/50/46	56/50/46
	External dimensions (W/D/H)	mm	850/540/185	1170/540/185	1170/540/185
	Shipping dimensions (W/D/H)	mm	1043/648/270	1363/648/270	1363/648/270
Setup	Net/Shipment weight	kg	21.3/25.5	26.0/31.4	27.1/32.5
	coolant pipe	mm	6.35	6.35	9.52
	refrigerant pipe	mm	12.7	12.7	15.88
	Model Name		P1B-1028IB	P1B-1348IB	P1B-1348IB
Panel	External dimensions (W/D/H)	mm	1028/600/45	1348/600/45	1348/600/45
	Shipping dimensions (W/D/H)	mm	1143/688/170	1463/688/170	1463/688/170
	Net/Shipping weight	kg	3.9/8.0	5.1/9.8	5.1/9.8
	Model Name		P1B-1028IB	P1B-1348IB	P1B-1348IB
Control	Wired (Optional)	/	YR-E17A	YR-E17A	YR-E17A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
	Wireless (Optional)	/	YR(L)-HQS01	YR(L)-HQS01	YR(L)-HQS01
		/	YR(L)-HQS01	YR(L)-HQS01	YR(L)-HQS01



HW-BA116ABK YR-E16B

- Ultra thin design
- Ultra low sound level
- Motorized horizontal flap
- Integrated high head drainage pump

2 Ways
TAPE



- Compact design, only 220 mm height •
- Integrated high-head drain pump •
- Unique design to prevent ceiling dirt •
- Quiet operation

Technical Specifications

Model/Indoor unit			SGM022C2PROX	SGM028C2PROX
Capacity	Cooling	kBtu/h	7.5	9.6
		kW	2.2	2.8
	Heating	Btu/h	8.5	10.9
		kW	2.5	3.2
Electrical Parameter.	power supply	Ph/V/Hz	1/220~230/50/60	1/220~230/50/60
	Airflow (H)	m³/h	840/700/550	840/700/550
	Sound pressure level (H/M/L)	dB(A)	42/37/33	42/37/33
	Sound power level (H/M/L)	dB(A)	55/50/46	55/50/46
Setup	External dimensions (W/D/H)	mm	817/620/220	817/620/220
	Shipping dimensions (W/D/H)	mm	1015/695/278	1015/695/278
	Net/Shipment weight	kg	21/23	21/23
	coolant pipe	mm	6.35	6.35
	refrigerant pipe	mm	9.52	9.52
Panel	Model name		PNLC2	
	External dimensions (W/D/H)	mm	1055/680/68	1055/680/68
	Shipping dimensions (W/D/H)	mm	1110/720/160	1110/720/160
	Net/Shipment weight	kg	7/8	7/8
Control	Wired (Optional)	/	HW-BA101ABT	HW-BA101ABT
		/	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK
		/	YR-E17A	YR-E17A
	Wireless (Optional)	/	YR-HRS01	YR-HRS01

Model/Indoor unit			SGM036C2PROX	SGM045C2PROX	SGM056C2PROX
Capacity	Cooling	kBtu/h	12.3	15.4	19.1
		kW	3.6	4.5	5.6
	Heating	Btu/h	13.6	17.1	21.5
		kW	4.0	5.0	6.3
Electrical Parameter.	power supply	Ph/V/Hz	1/220~230/50/60	1/220~230/50/60	1/220~230/50/60
	Airflow (H)	m³/h	840/700/550	840/700/550	840/700/550
	Sound pressure level (H/M/L)	dB(A)	42/37/33	44/39/34	44/39/34
	Sound power level (H/M/L)	dB(A)	55/50/46	57/52/47	57/52/47
Setup	External dimensions (W/D/H)	mm	817/620/220	817/620/220	817/620/220
	Shipping dimensions (W/D/H)	mm	1015/695/278	1015/695/278	1015/695/278
	Net/Shipment weight	kg	21/23	21/23	21/23
	coolant pipe	mm	6.35	6.35	6.35
	refrigerant pipe	mm	12.7	12.7	12.7
Panel	Model name		PNLC2		
	External dimensions (W/D/H)	mm	1055/680/68	1055/680/68	1055/680/68
	Shipping dimensions (W/D/H)	mm	1110/720/161	1110/720/161	1110/720/161
	Net/Shipment weight	kg	7/8	7/8	7/8
Control	Wired (Optional)	/	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17A	YR-E17A	YR-E17A
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01

4 Way Mini

TAPE



YR-E16B

- Compact design
- New panel design 620x620 mm
- Fresh air outlet
- Low sound level



Technical Specifications

Model/Indoor unit			SGM015CCPROX	SGM022CCPROX	SGM028CCPROX
Capacity	Cooling	kBtu/h	5.1	7.5	9.5
		kW	1.5	2.2	2.8
	Heating	kBtu/h	5.8	8.5	10.9
		kW	1.7	2.5	3.2
Electrical Parameter.	power supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	Airflow (H)	m ³ /h	650/540/430	700/590/480	700/590/480
	Sound pressure level (H/M/L)	dB(A)	32/30/29	32/30/29	32/30/29
	Sound power level (H/M/L)	dB(A)	46/44/43	46/44/43	46/44/43
Setup	External dimensions (W/D/H)	mm	570/570/260	570/570/260	570/570/260
	Shipping dimensions (W/D/H)	mm	718/680/380	718/680/380	718/680/380
	Net/Shipment weight	kg	16/19	16/19	16/19
	coolant pipe	mm	6.35	6.35	6.35
	refrigerant pipe	mm	9.52	9.52	9.52
	Model Name		PNLCC		
Panel	External dimensions (W/D/H)	mm	620/620/60	620/620/60	620/620/60
	Shipping dimensions (W/D/H)	mm	660/660/115	660/660/115	660/660/115
Control	Wired (Optional)	/	YR-E17A	YR-E17A	YR-E17A
		/	YR-E16B	YR-E16B	YR-E16B
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01

Model/Indoor unit			SGM036CCPROX	SGM045CCPROX	SGM056CCPROX
Capacity	Cooling	kBtu/h	12.3	15.3	19.1
		kW	3.6	4.5	5.6
	Heating	kBtu/h	13.6	17.1	21.5
		kW	4	5	6.3
Electrical Parameter.	power supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
	Airflow (H)	m ³ /h	700/590/480	700/590/480	700/590/480
	Sound pressure level (H/M/L)	dB(A)	33/30/29	33/30/29	34/32/30
	Sound power level (H/M/L)	dB(A)	47/44/43	47/44/43	48/46/44
Setup	External dimensions (W/D/H)	mm	570/570/260	570/570/260	570/570/260
	Shipping dimensions (W/D/H)	mm	718/680/380	718/680/380	718/680/380
	Net/Shipment weight	kg	19/22	19/22	19/22
	coolant pipe	mm	6.35	6.35	6.35
	refrigerant pipe	mm	12.7	12.7	12.7
	Model Name		PNLCC		
Panel	External dimensions (W/D/H)	mm	620/620/60	620/620/60	620/620/60
	Shipping dimensions (W/D/H)	mm	660/660/115	660/660/115	660/660/115
Control	Wired (Optional)	/	YR-E17A	YR-E17A	YR-E17A
		/	YR-E16B	YR-E16B	YR-E16B
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01

4-Way Circular Blowing TAPE



Technical Specifications

Model/Indoor unit		SGM022K4PROX SGM028K4PROX SGM036K4PROX SGM045K4PROX SGM056K4PROX					
Capacity	Cooling	kBtu/h	7.5	9.5	12.3	15.3	19.1
		kW	2.2	2.8	3.6	4.5	5.6
	Heating	Btu/h	8.5	10.9	13.6	17.1	21.5
		kW	2.5	3.2	4.0	5.0	6.3
Electrical Parameter.	power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
Performance	Airflow (H)	m³/h	1000/810/620	1000/810/620	1000/810/620	1000/810/620	1000/810/620
	Sound pressure level (H/M/L)	dB(A)	30/27/25	30/27/25	30/27/25	32/29/27	33/30/29
Setup	External dimensions (W/D/H)	mm	840/840/183	840/840/183	840/840/183	840/840/183	840/840/183
	Shipping dimensions (W/D/H)	mm	983/983/268	983/983/268	983/983/268	983/983/268	983/983/268
	Net/Shipment weight	kg	25/28	25/28	25/28	25/28	25/28
	coolant pipe	mm	6.35	6.35	6.35	6.3	6.35
	refrigerant pipe	mm	9.52	9.52	12.7	12.	12.7
Panel	Model Name		PNLK4				
	External dimensions (W/D/H)	mm	950/950/50	950/950/50	950/950/50	950/950/50	950/950/50
	Shipping dimensions (W/D/H)	mm	1013/1025/123	1013/1025/123	1013/1025/123	1013/1025/123	1013/1025/123
	Net/Shipment weight	kg	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9
Control	Wired (Optional)	/	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01

Model/Indoor unit			SGM071K4PROX SGM080K4PROX SGM090K4PROX SGM112K4PROX SGM140K4PROX SGM160K4PROX					
Capacity	Cooling	kBtu/h	24.2	27.3	30.7	38.2	47.7	54.6
		kW	7.1	8.0	9.0	11.2	14.0	16.0
	Heating	Btu/h	27.3	30.7	34.1	42.6	54.6	61.2
		kW	8.0	9.0	10.0	12.5	16.0	18.0
Electrical Parameter.	power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
Performance	Airflow (H)	m³/h	1380/1190/1000	1380/1190/1000	2050/1860/1670	2050/1860/1670	2100/1910/1720	2100/1910/1720
	Sound pressure level (H/M/L)	dB(A)	35/34/31	37/35/31	37/35/31	37/35/31	44/40/36	44/40/36
Setup	External dimensions (W/D/H)	mm	840/840/204	840/840/204	840/840/246	840/840/246	840/840/288	840/840/288
	Shipping dimensions (W/D/H)	mm	983/983/290	983/983/290	983/983/331	983/983/331	983/983/373	983/983/373
	Net/Shipment weight	kg	27/30	27/30	31/36	31/36	33/38	33/38
	coolant pipe	mm	9.52	9.52	9.52	9.52	9.52	9.52
	refrigerant pipe	mm	15.88	15.88	15.88	15.88	15.88	15.88
Panel	Model Name		PNLK4					
	External dimensions (W/D/H)	mm	950/950/50	950/950/50	950/950/50	950/950/50	950/950/50	950/950/50
	Shipping dimensions (W/D/H)	mm	1013/1025/123	1013/1025/123	1013/1025/123	1013/1025/123	1013/1025/123	1013/1025/123
	Net/Shipment weight	kg	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9	6.5/9
Control	Wired (Optional)	/	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01	YR-HQS01
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01



YR-E16B

- Circular directional air outlet without blind spots with its unique technology
- Innovative 4 independent airflow controls
- 6 adjustable flap positions, 1296 airflow combinations
- Moving eye smart system (optional)

4 Ways
TAPE



HW-BA116ABK YR-E16B

- 700x700 mm new panel design
- Pre-adjusted fresh air inlet
- Integrated high head drainage pump
- Quiet operation

Technical Specifications

Model/Indoor unit			SGM015C4PROX	SGM022C4PROX	SGM028C4PROX
Capacity	Cooling	kBtu/h	5.1	7.5	9.5
		kW	1.5	2.2	2.8
	Heating	Btu/h	5.8	8.5	10.9
Electrical Parameter	power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Airflow (H)	m³/h	650/540/430	700/590/480	700/590/480
	Sound pressure level (H/M/L)	dB(A)	31/29/28	32/30/29	32/30/29
Performance	Sound power level (H/M/L)	dB(A)	45/43/42	46/44/43	46/44/43
	External dimensions (W/D/H)	mm	570/570/260	570/570/260	570/570/260
	Shipping dimensions (W/D/H)	mm	718/680/380	718/680/380	718/680/380
Setup	Net/Shipment weight	kg	16/19	16/19	16/19
	coolant pipe	mm	6.35	6.35	6.35
	refrigerant pipe	mm	9.52	9.52	9.52
	Model Name		PNLC4M		
Panel	External dimensions (W/D/H)	mm	700/700/60	700/700/60	700/700/60
	Shipping dimensions (W/D/H)	mm	740/740/115	740/740/115	740/740/115
	Net/Shipment weight	kg	2.8/4.5	2.8/4.5	2.8/4.5
Control	Wired (Optional)	/	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
		/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17A	YR-E17A	YR-E17A
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01

Model/Indoor unit			SGM036C4PROX	SGM045C4PROX	SGM056C4PROX(C)
Capacity	Cooling	kBtu/h	12.3	15.3	19.1
		kW	3.6	4.5	5.6
	Heating	Btu/h	13.6	17.1	21.5
Electrical Parameter	power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Airflow (H)	m³/h	700/590/480	700/590/480	700/590/480
	Sound pressure level (H/M/L)	dB(A)	32/30/29	33/30/29	33/30/29
Performance	Sound power level (H/M/L)	dB(A)	46/44/43	47/44/43	47/44/43
	External dimensions (W/D/H)	mm	570/570/260	570/570/260	570/570/260
	Shipping dimensions (W/D/H)	mm	718/680/380	718/680/380	718/680/380
Setup	Net/Shipment weight	kg	19/22	19/22	19/22
	coolant pipe	mm	6.35	6.35	6.35
	refrigerant pipe	mm	12.7	12.7	12.7
	Model Name		PNLC4M		
Panel	External dimensions (W/D/H)	mm	700/700/60	700/700/60	700/700/60
	Shipping dimensions (W/D/H)	mm	740/740/115	740/740/115	740/740/115
	Net/Shipment weight	kg	2.8/4.5	2.8/4.5	2.8/4.5
Control	Wired (Optional)	/	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
		/	YR-E16A	YR-E16A	YR-E16A
		/	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17A	YR-E17A	YR-E17A
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01

4 Ways
TAPE



HW-BA116ABK YR-E16B

- Compact design
- Pre-adjusted fresh air inlet
- Integrated high head drain pump
- Spare branch outlet

Technical Specifications

Model/Indoor unit			SGM056C4PROX1	SGM071C4PROX1	SGM080C4PROX1
Capacity	Cooling	kBtu/h	19.1	24.2	27.3
		kW	5.6	7.1	8.0
	Heating	Btu/h	21.5	27.3	30.7
Electrical Parameter	power supply	Ph/V/H z	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Airflow (H)	m³/h	1000/810/620	1380/1190/1000	1380/1190/1000
	Sound pressure level (H/M/L)	dB(A)	33/30/29	35/34/31	37/35/31
Performance	Sound power level (H/M/L)	dB(A)	47/44/43	49/48/45	51/49/45
	External dimensions (W/D/H)	mm	840/840/180	840/840/204	840/840/204
	Shipping dimensions (W/D/H)	mm	983/983/268	983/983/290	983/983/290
Setup	Net/Shipment weight	kg	25/28	25/28	25/28
	coolant pipe	mm	6.35	9.52	9.52
	refrigerant pipe	mm	12.7	15.88	15.88
	Model Name		PNLC4		
Panel	External dimensions (W/D/H)	mm	950/950/60	950/950/60	950/950/60
	Shipping dimensions (W/D/H)	mm	992/992/115	992/992/115	992/992/115
	Net/Shipment weight		6/7.5	6/7.5	6/7.5
Control	Wired (Optional)	/	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
			YR-E16B	YR-E16B	YR-E16B
			HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
			YR-E17A	YR-E17A	YR-E17A
	Wireless (Optional)	kg/m²	YR-HRS01	YR-HRS01	YR-HRS01

Model/Indoor unit			SGM090C4PROX1	SGM112C4PROX1	SGM140C4PROX1
Capacity	Cooling	kBtu/h	30.7	38.2	47.8
		kW	9.0	11.2	14.0
	Heating	Btu/h	34.1	42.7	54.6
Electrical Parameter	power supply	Ph/V/H z	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Airflow (H)	m³/h	2050/1860/1670	2050/1860/1670	2100/1910/1720
	Sound pressure level (H/M/L)	dB(A)	37/35/31	37/35/31	44/40/36
Performance	Sound power level (H/M/L)	dB(A)	51/49/45	51/49/45	56/53/49
	External dimensions (W/D/H)	mm	840/840/246	840/840/246	840/840/288
	Shipping dimensions (W/D/H)	mm	983/983/331	983/983/331	983/983/373
Setup	Net/Shipment weight	kg	25/28	25/28	25/28
	coolant pipe	mm	9.52	9.52	9.52
	refrigerant pipe	mm	15.88	15.88	15.88
	Model Name		PNLC4		
Panel	External dimensions (W/D/H)	mm	950/950/60	950/950/60	950/950/60
	Shipping dimensions (W/D/H)	mm	992/992/115	992/992/115	985/985/115
	Net/Shipment weight		6/7.5	6/7.5	6/7.5
Control	Wired (Optional)	/	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
			YR-E16B	YR-E16B	YR-E16B
			HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
			YR-E17A	YR-E17A	YR-E17A
	Wireless (Optional)	kg/m²	YR-HRS01	YR-HRS01	YR-HRS01

CEILING TYPE



Technical Specifications

Model/Indoor unit			SGM028FCPROX	SGM036FCPROX	SGM045FCPROX	SGM056FCPROX	SGM071FCPROX
Capacity	Cooling	kBtu/h	9.5	12.3	15.4	19.1	24.2
		kW	2.8	3.6	4.5	5.6	7.1
	Heating	Btu/h	10.9	13.6	17.1	21.5	27.3
		kW	3.2	4.0	5.0	6.3	8.0
Electrical Parameter.	power supply	Ph/V/Hz	1/220~230/50/60	1/220~230/50/60	1/220~230/50/60	1/220~230/50/60	1/220~230/50/60
	Airflow (H)	m³/h	820/750/690	820/750/690	950/820/690	950/820/690	1420/1270/1240
	Sound pressure level (H/M/L)	dB(A)	38/36/34	38/36/34	42/38/35	42/38/35	46/44/41
	Sound power level (H/M/L)	dB(A)	52/50/47	52/50/47	55/51/48	55/51/48	60/58/54
Setup	External dimensions (W/D/H)	mm	1000/230/680	1000/230/680	1000/230/680	1000/230/680	1000/230/680
	Shipping dimensions (W/D/H)	mm	1100/305/779	1100/305/779	1100/305/779	1100/305/779	1100/305/779
	Net/Shipment weight	kg	27.9/33.6	27.9/33.6	27.9/33.6	27.9/33.6	27.9/33.6
	coolant pipe	mm	6.35	6.35	6.35	6.35	6.35
	refrigerant pipe	mm	9.52	12.7	12.7	12.7	15.88
Control	Wired (Optional)	/	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01

Model/Indoor unit			SGM080FCPROX	SGM090FCPROX	SGM112FCPROX	SGM140FCPROX
Capacity	Cooling	kBtu/h	27.3	30.7	38.2	48.0
		kW	8.0	9.0	11.2	14.0
	Heating	Btu/h	30.7	34.1	42.6	55.0
		kW	9.0	10.0	12.5	16.0
Electrical Parameter.	power supply	Ph/V/Hz	1/220~230/50/60	1/220~230/50/60	1/220~230/50/60	1/220~230/50/60
	Airflow (H)	m³/h	1570/1420/1240	1570/1420/1240	2110/1990/1750	2110/1990/1750
	Sound pressure level (H/M/L)	dB(A)	47/44/41	47/44/41	50/46/43	50/46/43
	Sound power level (H/M/L)	dB(A)	61/58/54	61/58/55	63/60/57	63/60/57
Setup	External dimensions (W/D/H)	mm	1325/230/680	1325/230/680	1650/230/680	1650/230/680
	Shipping dimensions (W/D/H)	mm	1425/305/779	1425/305/779	1750/305/779	1750/305/779
	Net/Shipment weight	kg	35.8/42.1	35.8/42.1	43.5/50.5	43.5/50.5
	coolant pipe	mm	9.52	9.52	9.52	9.52
	refrigerant pipe	mm	15.88	15.88	15.88	15.88
Control	Wired (Optional)	/	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	YR-E17A	YR-E17A	YR-E17A	YR-E17A
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01



HW-BA116ABK YR-E16B

- Flexible installation on the floor or ceiling
- Automatic horizontal or vertical oscillation
- Separate fresh air inlet
- Multiple directions for connection pipe adjustment
- Long-lasting and highly effective air purification filter

LOW ESP THIN CHANNEL



YR-E16B

- DC fan motor
- New design 3D airflow air grille (optional) •Very thin design, only 185 mm
- Separate fresh air inlet •Integrated high-head drainage pump •Useful design with rear and bottom air return
- Quiet operation
- Static pressure 0 /15/30Pa •Standard drain pump

Technical Specifications

Model/Indoor unit			SGM015SDPROX	SGM022SDPROX	SGM028SDPROX	SGM036SDPROX
Capacity	Cooling	kBtu/h	5.1	7.5	9.5	12.3
		kW	1.5	2.2	2.8	3.6
	Heating	kBtu/h	5.8	8.5	10.9	13.6
		kW	1.7	2.5	3.2	4.0
Electrical Parameter.	power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Airflow (H/M/L)	m3 /h	430/370/310	480/420/360	480/420/360	550/430/370
Performance	Sound pressure level (H/M/L)	dB(A)	26/22/19	27/23/20	27/23/20	30/27/24
	Sound power level (H/M/L)	dB(A)	40/36/33	41/37/34	41/37/34	44/41/38
Setup	External dimensions (W/D/H)	mm	850/420/185	850/420/185	850/420/185	850/420/185
	Shipping dimensions (W/D/H)	mm	1045/540/270	1045/540/270	1045/540/270	1045/540/270
	Net/Shipment weight	kg	16.5/21.5	17.5/22.5	17.5/22.5	17.5/22.5
	coolant pipe	mm	6.35	6.35	6.35	6.35
	refrigerant pipe	mm	9.52	9.52	9.52	12.7
	Static Pressure (Standard/Max.)	pa	0/15/30	0/15/30	0/15/30	0/15/30
Panel	panel model	/	PNLSD			
	External dimensions (W/D/H)	mm	890/190/100 (output panel)	890/190/100 (output panel)	890/190/100 (output panel)	890/190/100 (output panel)
	External dimensions (W/D/H)		890/290.5/32.4 (input panel)	890/290.5/32.4 (input panel)	890/290.5/32.4 (input panel)	890/290.5/32.4 (input panel)
	Shipping dimensions (W/D/H)	mm	938/335/220	938/335/220	938/335/220	938/335/220
	Net/Shipment weight	kg	4/5	4/5	4/5	4/5
drain pump	O-optional, S-standard, W-none		S	S	S	S
Control	Wired (Optional)	/	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
		/	YR-E17A	YR-E17A	YR-E17A	YR-E17A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01

Model/Indoor unit			SGM045SDPROX	SGM056SDPROX	SGM071SDPROX
Capacity	Cooling	kBtu/h	15.3	19.1	24.2
		kW	4.5	5.6	7.1
	Heating	kBtu/h	17.1	21.5	27.3
		kW	5.0	6.3	8.0
Electrical Parameter.	power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
	Airflow (H/M/L)	m3 /h	600/540/460	800/690/580	930/850/750
Performance	Sound pressure level (H/M/L)	dB(A)	32/29/26	33/30/27	36/33/30
	Sound power level (H/M/L)	dB(A)	46/43/40	47/44/41	50/47/43
Setup	External dimensions (W/D/H)	mm	850/420/185	1170/420/185	1170/420/185
	Shipping dimensions (W/D/H)	mm	1045/540/270	1365/540/270	1365/540/270
	Net/Shipment weight	kg	18.5/23.5	22.2/28.2	24/30
	coolant pipe	mm	6.35	6.35	9.52
	Refrigerant pipe Static	mm	12.7	12.7	15.88
	Pressure (Standard/Max.)	pa	0/15/30	0/15/30	0/15/30
Panel	panel model	/	PNLSD	PNLSDB	
	External dimensions (W/D/H)	mm	890/190/100 (output panel)	1210/190/100 (output panel)	1210/190/100 (output panel)
	External dimensions (W/D/H)		890/290.5/32.4 (input panel)	1210/290.5/32.4 (input panel)	1210/290.5/32.4 (input panel)
	Shipping dimensions (W/D/H)	mm	938/335/220	1258/335/220	1258/335/220
	Net/Shipment weight	kg	4/5	5/6	5/6
drain pump	O-optional, S-standard, W-none		S	S	S
Control	Wired (Optional)	/	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
		/	YR-E17A	YR-E17A	YR-E17A
		/	YR-E16B	YR-E16B	YR-E16B
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01

Technical Specifications

Model/Indoor unit			SGM056NMDPROX1	SGM071NMDPROX1	SGM080NMDPROX1
Capacity	Cooling	kBtu/h	19.1	24.2	
		kW	5.6	7.1	27.38
	Heating	Btu/h	21.5		
		kW	6.3	27.38	30.79
Electrical Parameter.	power supply	Ph/V/Hz	1/220-230/50/60	1/220-230/50/60	1/220-230/50/60
Performance	Airflow (H)	m³/h	980/840/760	1174/1080/960	1174/1080/960
	Sound pressure level (H/M/L)	dB(A)	36/34/32	40/37/34	42/38/34
	Sound power level (H/M/L)	dB(A)	40/38/36	44/41/38	46/42/38
Setup	External dimensions (W/D/H)	mm	1100/700/248	1332/835/280	1100/700/248
	Shipping dimensions (W/D/H)	mm	1332/835/280	1332/835/280	1332/835/280
	Net/Shipment weight	kg	36.8/43.4	37/43.6	37/43.6
	coolant pipe	mm	6.35	9.52	9.52
	refrigerant pipe	mm	12.7	15.88	15.88
	Static Pressure (Standard/Max.)		50/100	50/100	50/100
drain pump	O-optional, S-standard, W-none		S	S	S
Control	Wired (Optional)		YR-E17A	YR-E17A	YR-E17A
			YR-E16B	YR-E16B	YR-E16B
			HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
			HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
	Infrared (Optional)	Pa/ft	YR-HRS01	YR-HRS01	YR-HRS01

Model/Indoor unit			SGM090NMDPROX1	SGM112NMDPROX1	SGM140NMDPROX1
Capacity	Cooling	kBtu/h		38.2	47.7
		kW	30.79	11.2	14
	Heating	Btu/h	34.1	44.4	55.6
		kW	10	13	16.3
Electrical Parameter.	power supply	Ph/V/Hz	1/220-230/50	1/220-230/50	1/220-230/50
Performance	Airflow (H)	m³/h	1500/1180/930	1700/1300/900	2000/1700/1250
	Sound pressure level (H/M/L)	dB(A)	42/38/34	42/39/35	43/40/35
	Sound power level (H/M/L)	dB(A)	46/42/38	46/43/39	47/44/39
Setup	External dimensions (W/D/H)	mm	1100/700/248	1500/700/248	1500/700/248
	Shipping dimensions (W/D/H)	mm	1332/835/280	1698/857/305	1698/857/305
	Net/Shipment weight	kg	39.4/45.4	48.3/56.5	51.3/59.5
	coolant pipe	mm	9.52	9.52	9.52
	refrigerant pipe	mm	15.88	15.88	15.88
	Static Pressure (Standard/Max.)		50/100	50/100	50/100
drain pump	O-optional, S-standard, W-none		S	S	S
Control	Wired (Optional)		YR-E17A	YR-E17A	YR-E17A
			YR-E16B	YR-E16B	YR-E16B
			HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
			HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
	Infrared (Optional)	Pa/ft	YR-HRS01	YR-HRS01	YR-HRS01



- Flexible duct connection
- Integrated drainage pump
- Static pressure 50/96Pa

HIGH ESP CHANNEL



YR-E16B

- Auto adjustable ESP
- 0-200Pa •Low
- sound level •Integrated high head drainage pump

Technical Specifications

SGM015CAPROX1 SGM022CAPROX1 SGM028CAPROX1 SGM036CAPROX1 SGM045CAPROX1 SGM056CAPROX1 SGM071CAPROX1									
Capacity	Model Capacity	HP	0.5	0.8	1.0	1.25	1.7	2.0	2.5
	Cooling	kBtu/h	5.1	7.5	9.6	12.3	15.3	19.1	24.2
		kW	1.5	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kBtu/h	5.8	8.5	10.9	13.7	17	21.5	27.3
		kW	1.7	2.5	3.2	4	5	6.3	8
Electrical Parameter.	power supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60
Dimensions (D/D/Y)	External dimensions (W/D/H)	mm	700/700/248	700/700/248	700/700/248	700/700/248	700/700/248	1100/700/248	1100/700/248
	Shipping dimensions (W/D/H)	mm	901/853/305	901/853/305	901/853/305	901/853/305	901/853/305	1301/853/305	1301/853/305
Weight	Net/Shipment weight	kg	27/29.5	27/29.5	27/29.5	27/29.5	28.5/31	36.8/39.8	36.8/39.8
Fan	Static Pressure (Standard/Max.)	pa	20/200	20/200	20/200	20/200	20/200	20/200	20/200
	Airflow (H/M/L)	m3 /h	515/440/390	545/470/390	545/470/390	570/495/420	700/625/550	915/765/640	1275/1050/875
sound level	Sound pressure level (H/M/L)	dB(A)	29/27/25	30/28/25	30/28/25	31/29/27	32/30/28	33/31/29	34/31/29
	Sound power level (H/M/L)	dB(A)	41/39/37	42/40/37	42/40/37	43/41/39	44/42/40	45/43/41	46/43/41
Piping	coolant pipe	mm	6.35	6.35	6.35	6.35	6.35	6.35	9.52
	refrigerant pipe	mm	9.52	9.52	9.52	12.7	12.7	12.7	15.88
drain pump	O-optional, S-standard, W-none	/	S	S	S	S	S	S	S
Control	Wired (Optional)	/	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
		/	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01

SGM080CAPROX1 SGM090CAPROX1 SGM112CAPROX1 SGM140CAPROX1 SGM160CAPROX1 SGM220HDPROX1 SGM280HDPROX1									
Capacity	Model Capacity	HP	3.0	3.2	4.0	5.0	6.0	8	10
	Cooling	kBtu/h	27.3	30.7	38.2	47.8	54.6	77.1	95.5
		kW	8	9	11.2	14	16	22.6	28.0
	Heating	kBtu/h	30.7	34.1	44.4	55.6	61.4	86	107.5
		kW	9	10	13	16.3	18	25.2	31.5
Electrical Parameter.	power supply	Ph/V/Hz	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50/60	1/220-240/50	1/220-240/50
Dimensions (D/D/Y)	External dimensions (W/D/H)	mm	1100/700/248	1100/700/248	1500/700/248	1500/700/248	1500/700/248	1333/750/497	1333/750/497
	Shipping dimensions (W/D/H)	mm	1301/853/305	1301/853/305	1701/853/305	1701/853/305	1701/853/305	1558/896/668	1558/896/668
Weight	Net/Shipment weight	kg	36.8/39.8	39.4/42.4	48.3/55.5	51.3/58.5	51.3/58.5	87/109	87/109
Fan	Static Pressure (Standard/Max.)	pa	20/200	20/180	20/180	20/180	20/180	100/300	100/300
	Airflow (H/M/L)	m3 /h	1275/1050/875	1450/1200/1000	2000/1700/1400	2150/1750/1400	2350/1950/1600	4000/3600/3200/2700	4500/4100/3700/3300
sound level	Sound pressure level (H/M/L)	dB(A)	35/33/30	36/33/30	38/35/32	40/36/32	42/38/34	53/50/48/46	54/51/49/47
	Sound power level (H/M/L)	dB(A)	47/45/42	48/45/42	50/47/44	52/48/44	54/50/46	67/64/62/60	68/65/63/61
Piping	coolant pipe	mm	9.52	9.52	9.52	9.52	9.52	Ø12.7	Ø12.7
	refrigerant pipe	mm	15.88	1.88	15.88	15.88	15.88	Ø22.22	Ø22.22
drain pump	O-optional, S-standard, W-none	/	S	S	S	S	S	Ø22.22	Ø22.22
Control	Wired (Optional)	/	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-HQS01	YR-HQS01
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK		
		/	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT		
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01		

FLOORING TYPE



Technical Specifications

Model/Indoor unit			SGM022BFPROX	SGM028BFPROX	SGM036BFPROX
Capacity	Cooling	kBtu/h	7.5	9.5	12.3
		kW	2.2	2.8	3.6
	Heating	Btu/h	8.5	10.9	13.6
		kW	2.5	3.2	4.0
Electrical Parameter.	power supply	Ph/V/Hz	1/220~230/50/60	1/220~230/50/60	1/220~230/50/60
Performance	Airflow (H)	m³/h	750/650/550	750/650/550	750/650/550
	Sound pressure level (H/M/L)	dB(A)	38/35/33	38/35/33	40/37/35
	Sound power level (H/M/L)	dB(A)	51/48/46	51/48/46	53/50/48
	External dimensions (W/D/H)	mm	1116/221/624	1116/221/624	1116/221/624
Setup	Shipping dimensions (W/D/H)	mm	1425/315/685	1425/315/685	1425/315/685
	Net/Shipment weight	kg	29/37	29/37	29/37
	coolant pipe	mm	6.35	6.35	6.35
	refrigerant pipe	mm	9.52	9.52	12.7
	Static Pressure		0/30	0/30	0/30
			HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
Control	Wired (Optional)		YR-E16B	YR-E16B	YR-E16B
			HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
			YR-E17A	YR-E17A	YR-E17A
			YR-HRS01	YR-HRS01	YR-HRS01
	Wireless (Optional)	Pass			

Model/Indoor unit			SGM045BFPROX	SGM056BFPROX	SGM071BFPROX
Capacity	Cooling	kBtu/h	15.3	19.1	24.2
		kW	4.5	5.6	7.1
	Heating	Btu/h	17.1	21.5	27.3
		kW	5.0	6.3	8.0
Electrical Parameter.	power supply	Ph/V/Hz	1/220~230/50/60	1/220~230/5	1/220~230/60
Performance	Airflow (H)	m³/h	950/830/720	950/830/720	950/830/720
	Sound pressure level (H/M/L)	dB(A)	40/37/35	42/39/36	42/39/36
	Sound power level (H/M/L)	dB(A)	53/50/48	55/52/49	55/52/49
	External dimensions (W/D/H)	mm	1116/221/624	1116/221/624	1116/221/624
Setup	Shipping dimensions (W/D/H)	mm	1425/315/685	1425/315/685	1425/315/685
	Net/Shipment weight	kg	31/39	31/39	31/39
	coolant pipe	mm	6.35	6.35	9.52
	refrigerant pipe	mm	12.7	12.7	15.88
	Static Pressure		0/30	0/30	0/30
			HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
Control	Wired (Optional)		YR-E16B	YR-E16B	YR-E16B
			HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
			YR-E17A	YR-E17A	YR-E17A
			YR-HRS01	YR-HRS01	YR-HRS01
	Wireless (Optional)	Pass			



HW-BA116ABK YR-E16B

•Requires very little installation space, only 220 mm •Good solution for installation under windows •High efficiency filter as standard

CONSOLE TYPE



YR-E16B

- Air discharge from top and bottom
- Compact design and small footprint
- Quiet operation

Technical Specifications

Model/Indoor unit			SGM015COPROX	SGM022COPROX	SGM028COPROX
Capacity	Cooling	kBtu/h	5.1	7.5	9.5
		kW	1.5	2.2	2.8
	Heating	Btu/h	5.8	8.5	10.9
		kW	1.7	2.6	3.2
Electrical Parameter.	power supply	Ph/V/Hz	1/220-230.50/60	1/220-230.50/60	1/220-230.50/60
	Airflow (H)	m³/h	540/460/390/310/270	540/460/390/310/270	540/460/390/310/270
	Sound pressure level (H/M/L)	dB(A)	45/42/38/33/30	45/42/38/33/30	45/42/38/33/30
	Sound power level (H/M/L)	dB(A)	58/55/52/48/45	58/55/52/48/45	58/55/52/48/45
Performance	External dimensions (W/D/H)	mm	700/210/600	700/210/600	700/210/600
	Shipping dimensions (W/D/H)	mm	783/303/695	783/303/695	783/303/695
Setup	Net/Shipment weight	kg	15.2/18.7	15.2/18.7	15.2/18.7
	coolant pipe	mm	6.35	6.35	6.35
	refrigerant pipe	mm	12.7	12.7	12.7
	Wired (Optional)	/	YR-E17A	YR-E17A	YR-E17A
Control	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01

Model/Indoor unit			SGM036COPROX	SGM045COPROX	SGM056COPROX
Capacity	Cooling	kBtu/h	12.3	15.3	17
		kW	3.6	4.5	5
	Heating	Btu/h	13.6	17	18.5
		kW	4	5	5.5
Electrical Parameter.	power supply	Ph/V/Hz	1/220-230.50/60	1/220-230.50/6	1/220-230.50/60
	Airflow (H)	m³/h	580/500/420/350/270	620/540/460/390/270	620/540/460/390/270
	Sound pressure level (H/M/L)	dB(A)	47/44/40/36/30	48/45/42/38/30	48/45/42/38/30
	Sound power level (H/M/L)	dB(A)	60/57/54/51/47	61/58/55/42/48	61/58/55/42/48
Performance	External dimensions (W/D/H)	mm	700/210/600	700/210/600	700/210/600
	Shipping dimensions (W/D/H)	mm	783/303/695	783/303/695	783/303/695
Setup	Net/Shipment weight	kg	15.2/18.7	15.2/18.7	15.2/18.7
	coolant pipe	mm	6.35	6.35	6.35
	refrigerant pipe	mm	12.7	12.7	12.7
	Wired (Optional)	/	YR-E17A	YR-E17A	YR-E17A
Control	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01

WALL TYPE



- Stylish design and LED display
- Integrated EEV, easy installation
- Negative ion
- Motorized horizontal flap

Technical Specifications

Model/Indoor unit			SGM015HWPROX	SGM022HWPROX	SGM028HWPROX	SGM036HWPROX	SGM045HWPROX
Capacity	Cooling	kBtu/h	5.1	7.5	9.5	12.3	15.3
		kW	1.5	2.2	2.8	3.6	4.5
	Heating	Btu/h	5.8	8.5	10.9	13.6	17.1
		kW	1.7	2.5	3.2	4.0	5.0
Electrical Parameter.	power supply	Ph/V/Hz	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60
Performance	Airflow (H)	m³/h	500/430/370	550/480/420	600/530/470	630/560/500	800/720/650
	Sound pressure level (H/M/L)	dB(A)	33/31/29	35/31/29	36/31/29	37/33/29	39/36/34
	Sound power level (H/M/L)	dB(A)	49/46/41	50/47/42	52/48/44	54/51/50	56/53/51
Setup	External dimensions (W/D/H)	mm	855/200/280	855/200/280	855/200/280	855/200/280	1115/243/336
	Shipping dimensions (W/D/H)	mm	954/279/355	954/279/355	954/279/355	954/279/355	1206/342/418
	Net/Shipment weight	kg	9.9/12	9.9/12	9.9/12	9.9/12	15.8/18.9
	coolant pipe	mm	6.35	6.35	6.35	6.35	6.35
	refrigerant pipe	mm	9.52	9.52	9.52	12.7	12.7
Control	Wired (Optional)	/	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	YR-E17A	YR-E17A	YR-E17A	YR-E17A	YR-E17A
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01

Model/Indoor unit			SGM056HWPROX	SGM071HWPROX	SGM080HWPROX	SGM090HWPROX
Capacity	Cooling	kBtu/h	19.1	24.2	27.3	30.7
		kW	5.6	7.1	8.0	9.0
	Heating	Btu/h	21.5	27.3	30.7	34.1
		kW	6.3	8.0	9.0	10.0
Electrical Parameter.	power supply	Ph/V/Hz	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60	1/220~240/50/60
Performance	Airflow (H)	m³/h	920/800/720	1010/920/800	1500/1400/1300	1600/1500/1400
	Sound pressure level (H/M/L)	dB(A)	40/39/35	44/40/36	48/43/40	49/44/41
	Sound power level (H/M/L)	dB(A)	57/54/52	58/56/54	60/57/53	61/58/54
Setup	External dimensions (W/D/H)	mm	1115/243/336	1115/243/336	1316/270/365	1316/270/365
	Shipping dimensions (W/D/H)	mm	1206/342/418	1206/342/418	1403/384/463	1403/384/463
	Net/Shipment weight	kg	15.8/18.9	15.8/18.9	21.8/26.3	21.8/26.3
	coolant pipe	mm	6.35	9.52	9.52	9.52
	refrigerant pipe	mm	12.7	15.88	15.88	15.88
Control	Wired (Optional)	/	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT	HW-BA101ABT
		/	YR-E16B	YR-E16B	YR-E16B	YR-E16B
		/	YR-E17A	YR-E17A	YR-E17A	YR-E17A
		/	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK	HW-BA116ABK
	Wireless (Optional)	/	YR-HRS01	YR-HRS01	YR-HRS01	YR-HRS01

SIGMA **PRO X** DC INVERTER

CONTROL SYSTEMS

User-friendly management control solution

Integrated management
Convenient and effective Sigma controllers allow you to manage large and medium-sized buildings better by enabling super match and PRO X to be managed together in a single system.

Building management
Excellent building management system provides professional and reliable service for better management of your air conditioning units.

Smart management
"Sigma Smart AC" gives you a smart and personalized experience.

Applications Sigma
control products provide you with the perfect solution for small, medium and large commercial projects.



CONTROL SYSTEMS

Individual Control

The individual control system has various wired and wireless remote controls that enable easy and smart control of air conditioners. You can choose the one that best suits your air conditioning management.



YR-HRS01

- On/off, mode, fan speed, temperature setting, oscillation
- Turbo, quiet
- Individual flap control for smart powerful cassette
- Clock and timer
- Follow/leave function • Celsius/ Fahrenheit

Individual Control

YR-E16B



- Color screen
- On/off, mode, fan speed, temperature setting, swing
- Individual and group control (max. 16 indoor units)
- Fahrenheit/centigrade selection, accuracy $\pm 0.5^{\circ}\text{C}$ ($\pm 1^{\circ}\text{F}$)
- Weekly timer
- Individual flap control for 4-way round cassette • Static pressure adjustment

HW-BA116ABK



- Alternative current
- Basic functions, on/off, mode, fan speed, temperature
- Individual and group control (max. 16 indoor units)
- Simple and smart design, 86*86*14.80 mm
- Can receive wireless control signal

RE-01/02



- Infrared signal receiver
- Duct type indoor unit remote control
- Model selection depends on the channel indoor unit

Wi-Fi module (KZW-W001)



- Remote control, on/off, mode, fan speed, temperature setting, oscillation
- Individual control
- Weekly timer
- Some indoor units require a YCJ-A002

Central control Wi-Fi module (HI-WA164DBI)



- On/off, mode setting, fan speed and temperature setting
 - Weekly program •
- Up to 8 groups and 64 indoor units can be connected

CONTROL SYSTEMS

Central Control

The central control system offers you a smart and convenient experience when managing your air conditioner individually, in groups or in zones. Various controls can be used to perfect your air conditioning management.



Central Control



HC-SA164DBT

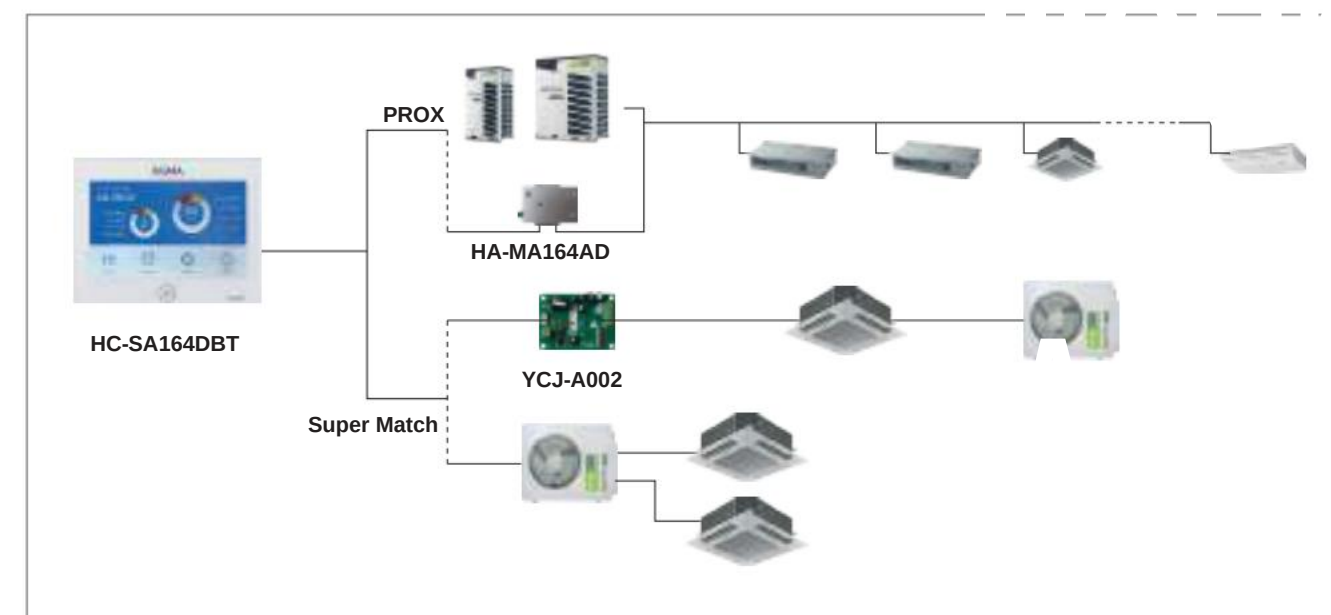
Individual control, central control (max. 64 indoor units) 5 inch TFT LCD touch backlit screen weekly time

Edit indoor unit

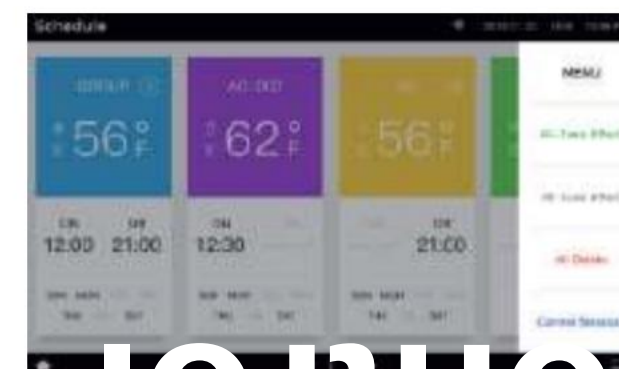
information Historical

fault backup Must be used with one HA-MA164AD for each PRO X system (max. 32 sets)

HC-SA164DBT system



Monitoring up to 64 indoor units It can monitor the status of all IDU displays, such as IDU number and ON/OFF status. The error may indicate the IDU number.



Sets the schedule for unit, group, all. Time control can be added, changed, deleted, unit control or group control can be made, all of them can be turned on and off at once.

CONTROL SYSTEMS

Central Control



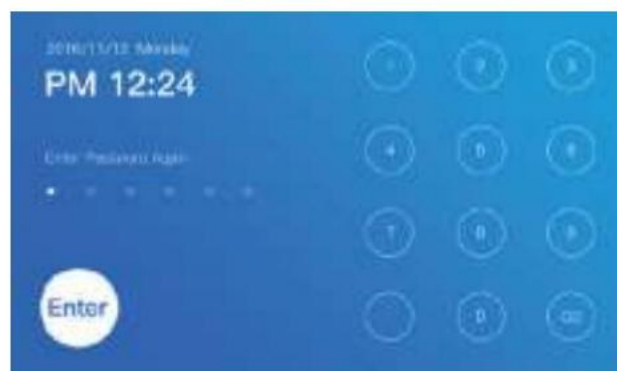
DST on/off
DST program setting
DST compensation setting



Shows detailed information
Name, number, temperature, operating time and error code checking



Interface display mode selection, list or icon, all on, all off, check all



Setting password according to user request

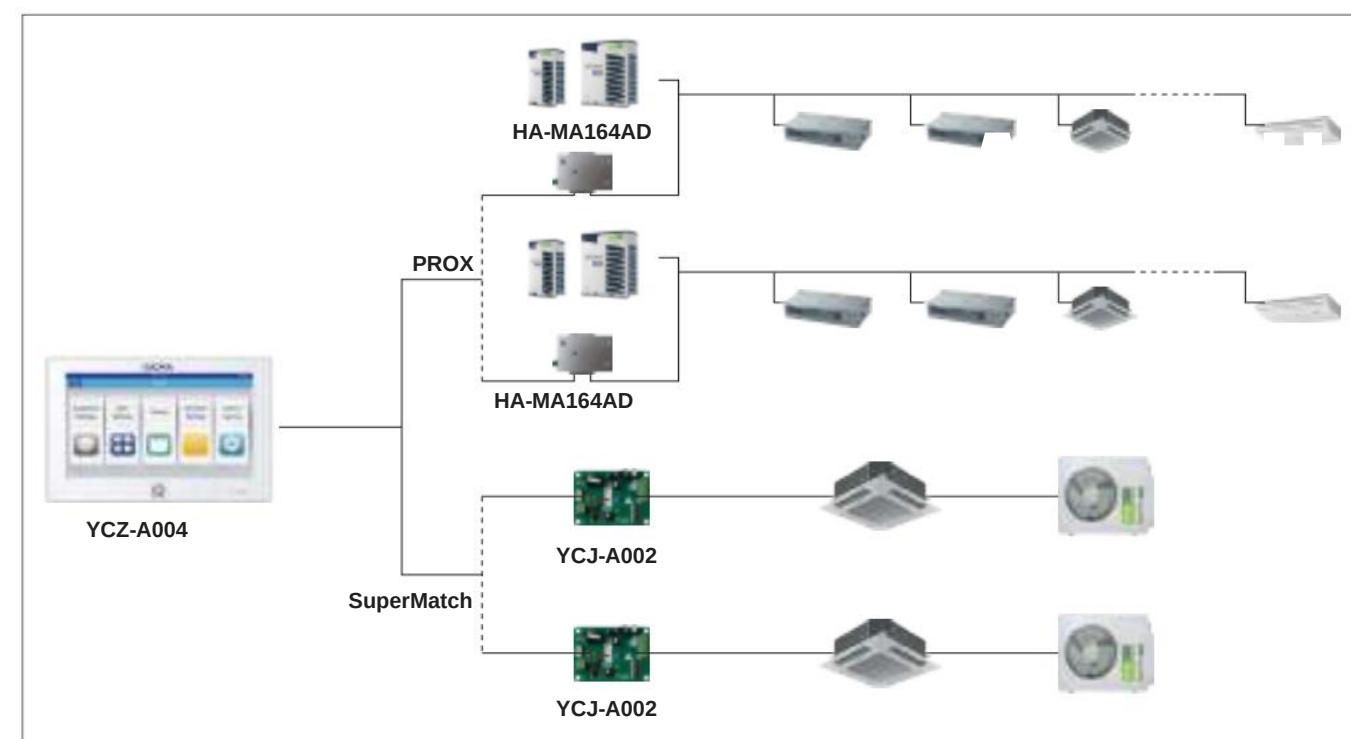
Central Control



YCZ-A004

- Individual control, group control and central control (max. 256 indoor units) •7 inch TFT LCD touch screen, backlit •Weekly timer •Edit indoor unit information
- Error screen
- Must be used with one HA-MA164AD per PRO X system (max. 32 sets)

YCZ-A004 System



CONTROL SYSTEMS

BMS

Building management modules integrate air conditioners into the building management system, providing a perfect solution for large commercial spaces.



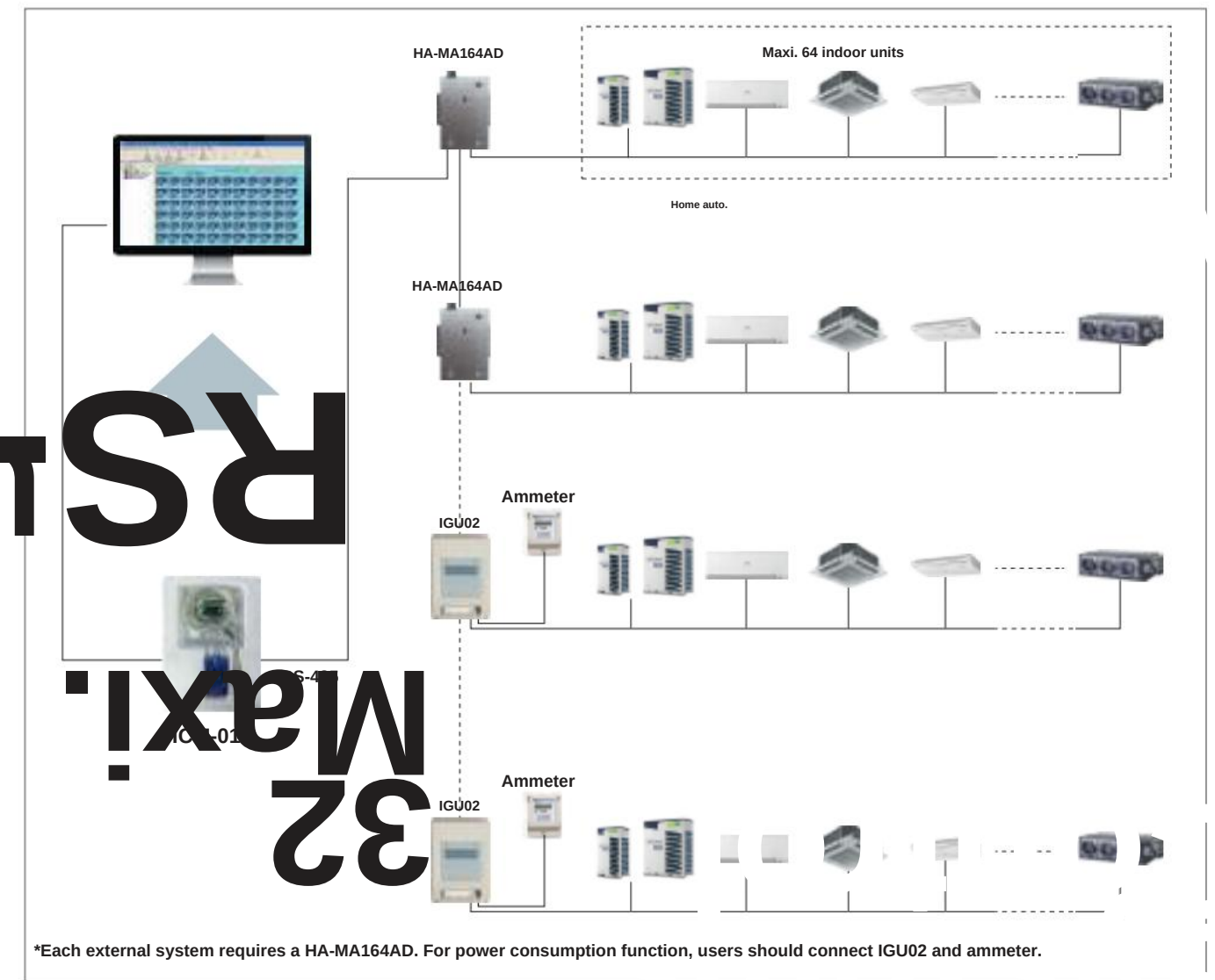
BMS

HCM-01A

- Local control version converts USB to RS-485
- Maxi. 400 indoor units can be controlled
- Modbus RTU interface
- New interface design of the brand
- Win 7 32 bits/64 bits, Win 8 Pro, Win 10 Pro
- Maxi. 32 systems/outdoor units, each system unit requires one HA-MA164AD
- Schedule setting
- Electric charge report (must use IGU-02)



HCM-01A System



*Each external system requires a HA-MA164AD. For power consumption function, users should connect IGU02 and ammeter.

CONTROL SYSTEMS

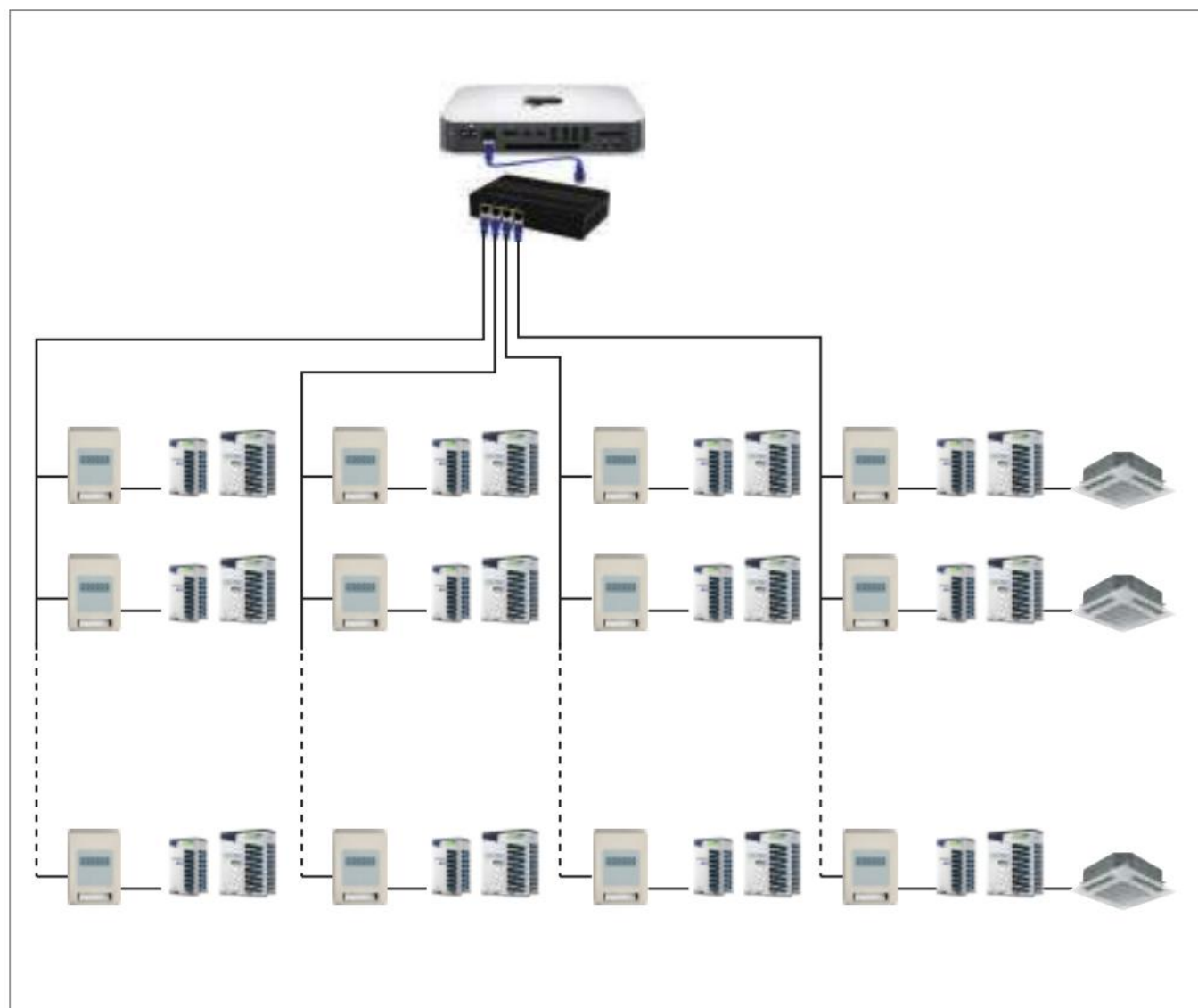
BMS



HCM-03A

- Remote viewing version. Third party interface: BACnet ip/ Modbus ip
- Maxi. 1500 indoor units can be controlled
- Max. 4 groups. Each group can connect 20 systems. Each system requires an IGU02/HA-MA164AD.
- Operating status setting and monitoring • Program setting
- Multi-user management with different authorization levels • Operation and error history recording • Electric charge report

HCM-03A system



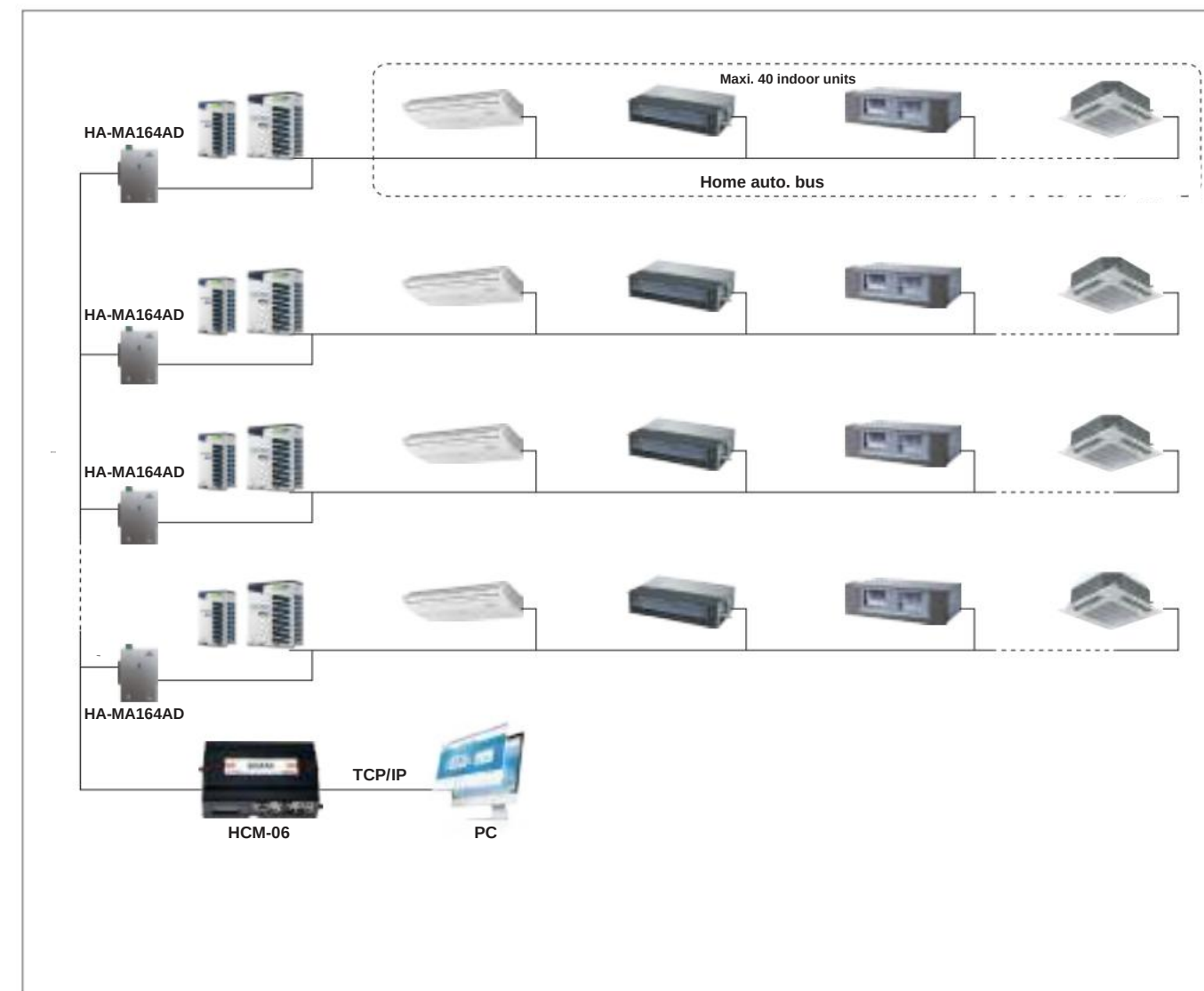
BMS



HCM-06/HCM-05A

- Remote monitoring version
- Third party interface: BACnet ip
- Maxi. 250 indoor units can be controlled by HCM-06 and 500 indoor units by HCM-05A
- Max. 32 systems. Each system requires an IGU02/HA-MA164AD • Max. 64 systems. For HCM-05A. Each system requires an IGU02/HA-MA164AD
- Operating status setting and monitoring • Schedule setting • Multi-user management with different authorization levels
- Electric charge report (must use IGU-02)
- Operation and error history recording • Co-working technology with Honeywell

HCM-06 system



CONTROL SYSTEMS

Adapter

Adapters provide an easy and convenient way to integrate air conditioners into various building management systems. Ideal for large commercial projects.



HA-MA164AD

YR-E16B

YR-E17

HA-AC-KNX-8/16/64

IGU07

Adapter



HA-MA164AD

- Protocol adapter, home auto. converts bus to RS-485 Gateway: modbus rtu
- Maxi. 64 indoor units can be connected with one HA-MA164AD
- Each PRO X system requires a HA-MA164AD when connecting to a central control or BMS system

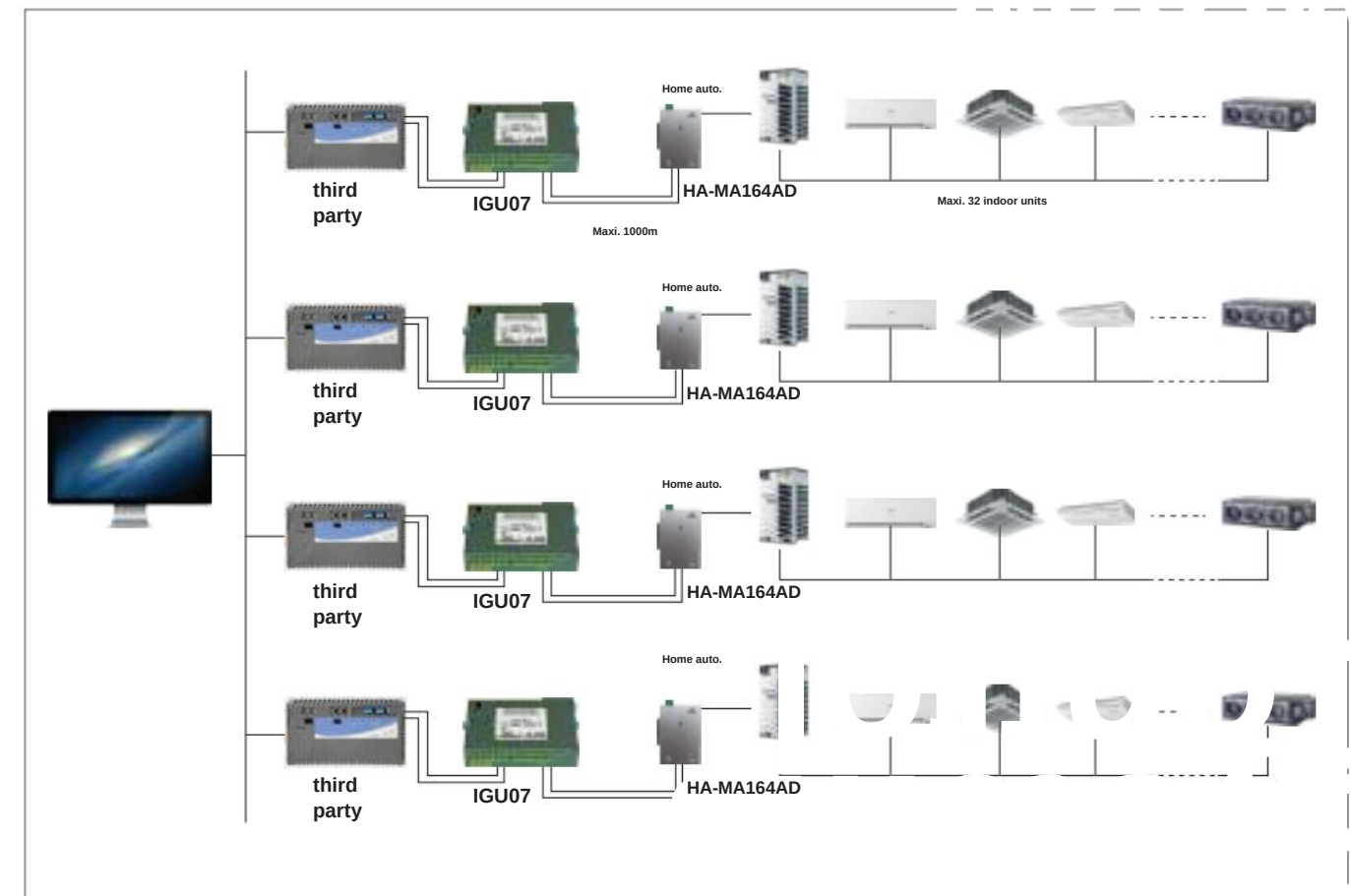
Modbus model no.	Number of IUs checked	Installation method	Compatible DU type
HA-MA164AD	64	Outside of DU	From side and top
HA-MB164AD	64	Inside of IU	DU with top discharge



IGU07

- Protocol adapter converts modbus rtu to lonworks
- Each system requires an IGU07+ HA-MA164AD
- Maxi. 32 indoor units can be connected in one system
- Requires external 24V DC power supply

LonWorks system



CONTROL SYSTEMS

Adapter



HCM-04

- BACnet gateway converts modbus rtu to BACnet ip
- Max. 62 indoor units/2 systems can be controlled
System max. Can control 31 indoor units
- IGU02 required for every external system



HA-AC-KNX-8/16/64

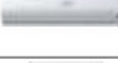
- KNX gateway
- Converts Modbus to KNX
- Max. 8/16/64 indoor units can be connected to one
system Each system requires a KNX gateway + HA-MA164AD



IGU02

- Protocol adapter, home auto. converts bus to modbus
- Matches with BMS (HCM-01A,03A,05,05A)
Every system requires an IGU02
- Max. 40 indoor units can be connected with
one IGU02 • Electrical data collection, calculation, allocation and storage

Controller Matching Table for PRO X Indoor Units

Image	Sherry	Model			
			YR-HRS1	YR-E16B HW	BA116ABK
	1-Way Cassette	SGM**C1PROX	▲	ÿ	ÿ
	2 Way Cassette	SGM**C2PROX	▲	▲	▲
	4 Way Mini Tape	SGM**CCPROX			▲
	4-Way Circular Blown Cassette	SGM**K4PROX			▲
	4 Way Cassette	SGM**C4PROX	▲	▲	▲
	convertible Ceiling Type	SGM**FCPROX	▲	▲	▲
	Low ESP Fine Channel	SGM**SDPROX	▲		▲
	Low ESP Fine Channel	SGM**SDPROX	▲	▲	▲
	Medium ESP Channel	SGM**MDPROX	▲	▲	▲
	SGM**HSPROX with High ESP Channel		▲	▲	▲
	High Wall (N platform)	SGM**HWPROX	▲	▲	▲
	Console	SGM**COPROX	▲		▲
	Flooring Type	SGM**BFPROX	▲	▲	▲

ÿ Controls can match the indoor unit