

# YORK® GRANDE HIGH EFFICIENCY AIR CONDITIONERS

FAMILY-FRIENDLY AIR CONDITIONERS FOR TODAY'S SMART GENERATION





## Lifestyle

Designed to suit your stylish and modern lifestyle, the Grande Series indoor unit's sleek flat panel design in tasteful off-white will elegantly match your home interior.

### Bright LED

Bright and crisp LED light display shows the temperature and function settings clearly. Deactivate the LED display using the remote control whenever you wish.



### Follow Me

"Follow Me" is a unique built-in feature in the remote controller. When activated, the indoor unit will sense the setting temperature according to where the remote controller is placed, resulting in more precise cooling.



### Wireless Remote Controller

Attractive backlit illuminated LCD wireless remote controller clearly displays the temperature and other function settings. Adjusting the air-conditioner settings in the dark has never been so convenient.

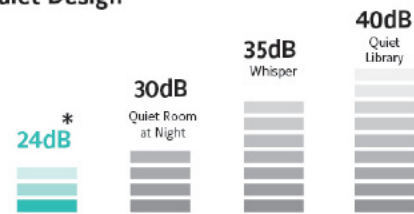
### Smart control Wi-Fi Function (Optional)



The app is available on the Apple® App store and Google Play™ store.



### Quiet Design



\* based on YCHMXC009 at low speed

### Other Features



Timer



Turbo Mode



Sleep Mode



Auto Restart Function



Self-diagnosis and Auto-protection



Lower Position Memory Function



Wide-angle Airflow



Refrigerant Leakage Detect



Independent Dehumidification

### Unique Features



Short Range



Long Range



Weekly-timer\*\*



Multi-users



Mute Operation\*\*



i-Sleep Function\*\*

\* additional purchase of Wi-Fi dongle is required for each indoor unit.

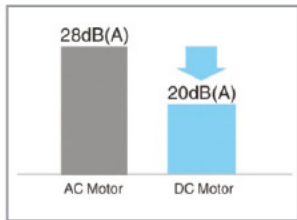
\*\* features under development at time of print.

## Grande Inverter Technology

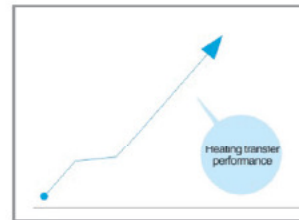
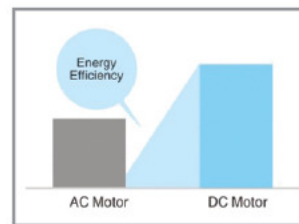
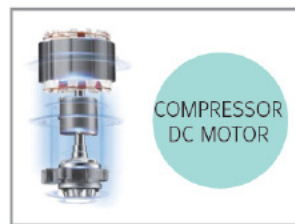
### Indoor Unit



### Outdoor Unit



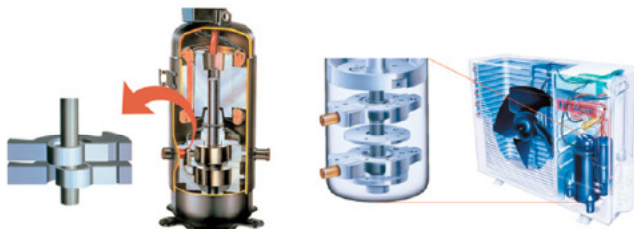
\* 20dB(A) Sound data for motor only



### All DC Motors System

Direct Current (DC) motors effectively improve efficiency, increase stability during operation, enhance durability and reduce the noise produced by motors.

### Twin Rotary Compressor



With double cams, our twin rotary compressor has several features that increase its performance and reliability. The opposite double blade design yields mechanical stability and less vibration that could cause stress on other components. Being able to reduce the rpm without causing instability enables more precise capacity output and temperature control. The Twin Rotary Compressor operates at a quieter level compared to conventional rotary compressors. With refrigerant R410A, it is more efficient than normal scroll compressors.

### Annual energy cost saving of up to 50%





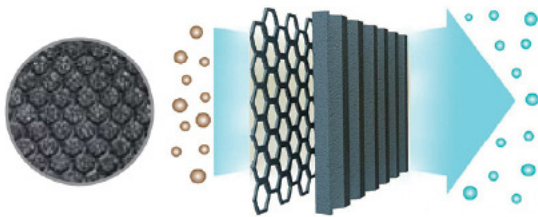
## Negative Ionizer

The built-in ionizer produces negative oxygen ions that help to improve our blood circulation and respiratory functions, thus helping to prevent respiratory diseases such as asthma and pneumonia. Further, ionizers at high static produces anions that can eliminate dust and smoke in our blood circulation system, improving lung function and effectively prevent respiratory passage illnesses such as asthma and pneumonia. Further, ionizers at high static produces anions that can eliminate dust and smoke in our homes.



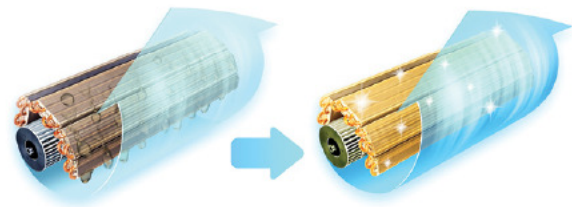
## Formaldehyde Filter

Effectively filter out formaldehyde and other volatile organic compounds (VOCs) such as odour from new paint, new furniture and harmful gases, etc. This brings you healthier air and creates a safer environment for your family.



## Self-Cleaning Anti-Mold & Bacteria

When the unit is switched off, the drying operation will be automatically activated to dry out the coil and internal surfaces. This drying out process helps prevent the growth of molds and minimize the possibility of bacterial cultivation within the indoor unit - an important feature to keep your family healthy.



## Indoor Units



YCHMXC009  
YCHMXC012



YCHMXC018

## Outdoor Units



YCHMYC021  
YCHMYC028



YCHMYC032

### Multi Split Inverter - Indoor Unit

Abbreviated Model			YCHMXC009	YCHMXC012	YCHMXC018
Full Model			YCHMXC009BAMS-FX	YCHMXC012BAMS-FX	YCHMXC018BAMS-FX
Power Supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Cooling	Capacity	Btu/Hr	9000	12000	18000
	Input	Watts	24	24	60
	Rated Current	Amp	0.11	0.11	0.27
Indoor Air Flow (Hi/Mi/Lo)		M3/Hr	1050/850/650	1150/950/800	1050/850/750
Indoor Noise Level (Hi/Mi/Lo)		dB(A)	37/32/24	41/36/29	43/37/31
Indoor Unit	Dimension (WxDxH)	MM	835x198x280	835x198x280	990x218x315
	Packing (WxDxH)	MM	910x270x355	910x270x355	1065x300x400
	Net/Gross Weight	KG	9/11	9/11	12/14
	Liquid , Gas	Inches	1/4", 3/8"	1/4", 3/8"	1/4", 1/2"
Indoor Operating Temperature Range		°C	17-30	17-30	17-30

### Multi Split Inverter - Outdoor Unit

Abbreviated Model			YCHMYC021	YCHMYC028	YCHMYC032
Full Model			YCHMYC021BAMSA-X	YCHMYC028BAMSA-X	YCHMYC032BAMSA-X
Power Supply		V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Cooling	Capacity	Btu/hr	20472(8871-24566)	26613(9212-31049)	29684(9212-34734)
	Rated Input	Watts	1380(680-2100)	1800(703-2700)	2030(703-3000)
	Rated Current	Amp	7.05(2.95-10)	8.80(3.06-13)	9.10(3.06-14)
	Energy Label (2014)	Ticks	√√√√	√√√√	√√√√
Outdoor Air Flow		M3/Hr	2900	2800	4300
Outdoor Noise Level		dB(A)	54	57	60
Outdoor Unit	Dimension (WxDxH)	MM	845x320x700	845x320x700	945x395x810
	Packing (WxDxH)	MM	965x395x755	965x395x755	1090x475x855
	Net/Gross weight	KG	45/49	52/56	70/74
Refrigerant Type			R410a	R410a	R410a
Refrigerant Charge		Grams	1500	2400	3700
Refrigerant Piping	Liquid , Gas	Inches	1/4", 3/8" (3x)	1/4", 3/8" (4x)	1/4", 3/8" (4x)
	Transfer Connector (3/8"→1/2")	Qty	2	2	3
	Max. Piping Length (Overall)	Metres	45	60	60
	Max. Piping Length (Each Indoor Unit)	Metres	25	30	30
Max. Difference In Height (Each Indoor Unit)		Metres	10	10	10

# Specifications

**System 3 YCHMYC021 - No Current Limitation**

Abbreviated Outdoor Model		YCHMYC021									
Operation	Indoor	Cooling Capacity (KW)				Running Current (Amp)			Input (KW)		
		A Room	B Room	C Room	Total	Min.	Rated	Max.	Min.	Rated	Max.
1 Room	9	2.60			2.60	2.95	3.23	3.88	0.68	0.74	0.89
	12	3.20			3.20	3.04	3.98	4.77	0.70	0.91	1.10
	18	5.30			5.30	2.96	6.40	7.68	0.59	1.47	1.77
2 Rooms	9+9	2.60	2.60		5.20	3.12	6.11	7.82	0.72	1.41	1.80
	9+12	2.60	3.40		6.00	3.21	7.05	9.02	0.74	1.62	2.08
	9+18	2.30	4.70		7.00	3.20	8.01	9.13	0.74	1.84	2.10
	12+12	3.20	3.20		6.40	2.88	7.13	8.96	0.66	1.54	1.97
3 Rooms	12+18	2.80	4.50		7.40	3.22	8.04	9.09	0.74	1.85	2.09
	9+9+9	2.40	2.40	2.40	7.20	3.05	7.64	9.00	0.70	1.76	2.07
	9+9+12	2.20	2.20	3.00	7.40	3.06	7.66	9.04	0.70	1.76	2.08
	9+9+18	2.00	2.00	3.80	7.80	3.15	7.89	9.07	0.73	1.81	2.09
	9+12+12	2.00	2.80	2.80	7.60	3.07	7.68	9.07	0.71	1.77	2.09
	12+12+12	2.60	2.60	2.60	7.80	3.15	7.89	9.07	0.73	1.81	2.09

**System 3 YCHMYC021 - 8.5 Amp Current Limitation**

Abbreviated Outdoor Model		YCHMYC021									
Operation	Indoor	Cooling Capacity (KW)				Running Current (Amp)			Input (KW)		
		A Room	B Room	C Room	Total	Min.	Rated	Max.	Min.	Rated	Max.
1 Room	9	2.60			2.60	2.95	3.23	3.88	0.68	0.74	0.89
	12	3.20			3.20	3.04	3.98	4.77	0.70	0.91	1.10
	18	5.30			5.30	2.96	6.40	7.68	0.59	1.47	1.77
2 Rooms	9+9	2.60	2.60		5.20	3.12	6.11	7.33	0.72	1.41	1.69
	9+12	2.60	3.40		6.00	3.21	7.05	8.50	0.74	1.62	1.96
	9+18	2.30	4.70		7.00	3.20	8.01	8.50	0.74	1.84	1.96
	12+12	3.20	3.20		6.40	2.85	7.13	8.50	0.66	1.54	1.96
3 Rooms	12+18	2.80	4.50		7.40	3.22	8.04	8.50	0.74	1.85	1.96
	9+9+9	2.40	2.40	2.40	7.20	3.05	7.64	8.50	0.70	1.76	1.96
	9+9+12	2.20	2.20	3.00	7.40	3.06	7.66	8.50	0.70	1.76	1.96
	9+9+18	2.00	2.00	3.80	7.80	3.15	7.89	8.50	0.73	1.81	1.96
	9+12+12	2.00	2.80	2.80	7.60	3.07	7.68	8.50	0.71	1.77	1.96
	12+12+12	2.60	2.60	2.60	7.80	3.15	7.89	8.50	0.73	1.81	1.96

**System 4 YCHMYC028 - No Current Limitation**

Abbreviated Outdoor Model		YCHMYC028										
Operation	Indoor	Cooling Capacity (KW)				Running Current (Amp)			Input (KW)			
		A Room	B Room	C Room	D Room	Total	Min.	Rated	Max.	Min.	Rated	Max.
1 Room	9	2.70				2.70	3.06	3.35	4.02	0.70	0.77	0.93
	12	3.46				3.46	3.29	4.30	5.16	0.76	0.99	1.10
	18	5.35				5.35	3.51	6.65	7.98	0.81	1.53	1.83
2 Rooms	9+9	2.60	2.60			5.20	3.24	6.28	8.04	0.86	1.44	1.85
	9+12	2.60	3.45			6.05	3.87	7.11	9.11	0.89	1.64	2.09
	9+18	2.50	5.10			7.60	3.48	8.70	11.13	0.80	2.00	2.56
	12+12	3.40	3.40			6.80	3.20	7.99	10.23	0.74	1.84	2.35
3 Rooms	12+18	3.10	4.80			7.90	3.52	8.81	11.27	0.81	2.03	2.59
	18+18	4.40	4.40			8.80	3.92	9.81	11.58	0.90	2.26	2.66
	9+9+9	2.40	2.40	2.40		7.20	3.21	8.03	9.87	0.74	1.85	2.27
	9+9+12	2.40	2.40	3.10		7.90	3.43	8.59	10.30	0.79	1.98	2.37
	9+9+18	2.23	2.23	4.30		8.77	3.72	9.30	10.97	0.86	2.14	2.52
	9+12+12	2.50	3.08	3.08		8.65	3.67	9.17	11.19	0.84	2.11	2.57
	9+12+18	2.13	2.62	4.34		9.09	3.76	9.41	11.00	0.87	2.16	2.53
	9+18+18	1.82	3.64	3.64		9.10	3.74	9.35	10.94	0.86	2.15	2.52
	12+12+12	2.95	2.95	2.95		8.85	3.71	9.27	10.94	0.85	2.13	2.52
	12+12+18	2.58	2.58	3.86		9.02	3.73	9.34	10.92	0.86	2.15	2.51
4 Rooms	9+9+9+9	2.26	2.26	2.26	2.26	9.02	3.65	9.12	10.67	0.84	2.10	2.45
	9+9+9+12	2.15	2.15	2.15	2.64	9.09	3.68	9.19	10.75	0.85	2.11	2.47
	9+9+9+18	1.82	1.82	1.82	3.64	9.10	3.68	9.20	10.77	0.85	2.12	2.48
	9+9+12+12	1.95	1.95	2.60	2.60	9.10	3.68	9.20	10.77	0.85	2.12	2.48
	9+12+12+12	1.87	2.41	2.41	2.41	9.10	3.68	9.20	10.77	0.85	2.12	2.48

**System 4 YCHMYC028 - 8.5 Amp Current Limitation**

Abbreviated Outdoor Model		YCHMYC028										
Operation	Indoor	Cooling Capacity (KW)				Running Current (Amp)			Input (KW)			
		A Room	B Room	C Room	D Room	Total	Min.	Rated	Max.	Min.	Rated	Max.
1 Room	9	2.70				2.70	3.06	3.35	4.02	0.70	0.77	0.93
	12	3.46				3.46	3.29	4.30	5.16	0.76	0.99	1.10
	18	5.35				5.35	3.51	6.65	7.98	0.81	1.53	1.83
2 Rooms	9+9	2.60	2.60			5.20	3.24	6.28	7.54	0.58	1.44	1.73
	9+12	2.60	3.45			6.05	2.85	7.11	8.50	0.65	1.64	1.96
	9+18	2.50	4.90			7.40	3.28	8.20	8.50	0.75	1.89	1.96
	12+12	3.40	3.40			6.80	3.20	7.99	8.50	0.74	1.84	1.96
3 Rooms	12+18	3.00	4.60			7.60	3.38	8.45	8.50	0.78	1.94	1.96
	18+18	4.40	4.40			8.40	3.40	8.50	8.50	0.78	1.96	1.96
	9+9+9	2.60	2.60	2.60		7.80	3.27	8.17	8.50	0.75	1.88	1.96
	9+9+12	2.40	2.40	3.40		8.20	3.40	8.50	8.50	0.78	1.96	1.96
	9+9+18	2.20	2.20	4.00		8.40	3.40	8.50	8.50	0.78	1.96	1.96
	9+12+12	2.10	3.15	3.15		8.40	3.40	8.50	8.50	0.78	1.96	1.96
	9+12+18	2.00	2.60	3.80		8.40	3.40	8.50	8.50	0.78	1.96	1.96
	9+18+18	1.80	3.60	3.60		8.40	3.40	8.50	8.50	0.78	1.96	1.96
	12+12+12	2.80	2.80	2.80		8.40	3.40	8.50	8.50	0.78	1.96	1.96
	12+12+18	2.20	2.20	4.00		8.40	3.40	8.50	8.50	0.78	1.96	1.96
4 Rooms	9+9+9+9	2.10	2.10	2.10	2.10	8.40	3.40	8.50	8.50	0.78	1.96	1.96
	9+9+9+12	2.00	2.00	2.00	2.40	8.40	3.40	8.50	8.50	0.78	1.96	1.96
	9+9+9+18	1.70	1.70	1.70	3.30	8.40	3.40	8.50	8.50	0.78	1.96	1.96
	9+9+12+12	1.80	1.80	2.40	2.40	8.40	3.40	8.50	8.50	0.78	1.96	1.96
	9+12+12+12	1.80	2.20	2.20	2.20	8.40	3.40	8.50	8.50	0.78	1.96	1.96

**System 4 YCHMYC032 - No Current Limitation**

Abbreviated Outdoor Model		YCHMYC032										
Operation	Indoor	Cooling Capacity (KW)				Running Current (Amp)			Input (KW)			
		A Room	B Room	C Room	D Room	Total	Min.	Rated	Max.	Min.	Rated	Max.
1 Room	9	2.70				2.70	3.06	3.26	3.91	0.70	0.75	0.90
	12	3.50				3.50	3.29	4.23	5.07	0.76	0.97	1.17
	18	5.40				5.40	3.76	6.52	7.83	0.86	1.50	1.80
2 Rooms	9+9	2.70	2.70			5.40	2.54	6.35	8.12	0.58	1.46	1.87
	9+12	2.60	3.40			6.00	2.82	7.06	9.02	0.65	1.62	2.08
	9+18	2.60	5.20			7.80	3.57	8.92	11.42	0.82	2.05	2.63
	12+12	3.40	3.40			6.80	3.11	7.78	9.96	0.72	1.79	2.29
3 Rooms	12+18	3.10	4.80			7.90	3.52	8.81	11.27	0.81	2.03	2.59
	18+18	4.50	4.50			9.00	3.91	9.78	11.54	0.90	2.25	2.66
	9+9+9	2.50	2.50	2.50		7.50	3.18	7.95	9.78	0.73	1.83	2.25
	9+9+12	2.50	2.50	3.20		8.20	3.48	8.70	10.43	0.80	2.00	2.40
	9+9+18	2.40	2.40	4.60		9.40	3.89	9.73	11.48	0.90	2.24	2.64
	9+12+12	2.50	3.40	3.40		9.30	3.94	9.86	12.03	0.91	2.27	2.77
	9+12+18	2.30	3.20	4.50		10.00	4.00	10.00	11.69	0.92	2.30	2.69
	9+18+18	2.00	4.00	4.00		10.00	4.00	10.00	11.69	0.92	2.30	2.69
	12+12+12	3.20	3.20	3.20		9.60	3.98	9.94	11.73	0.91	2.29	2.70
	12+12+18	2.80	2.80	4.40		10.00	4.00	10.00	11.79	0.92	2.30	2.71
4 Rooms	9+9+9+9	2.40	2.40	2.40	2.40	9.60	3.84	9.60	11.23	0.88	2.21	2.58
	9+9+9+12	2.40	2.40	2.40	2.80	10.00	4.00	10.00	11.69	0.92	2.30	2.69