



# Precision Air Conditioner

## Constant Temp&Humidity Control Unit



### FEATURES

**SPLIT DESIGN AND EASY INSTALLATION**

The unit has a split design with outdoor and indoor unit. With no extra controls or other items to be installed. The units have a single power point entry with simple connections. Quick start-up is assured once installation is completed, as each unit is manufactured in an ISO9001:2000 listed facility to guarantee quality. All units are tested at the factory to provide reliable start up.

**HUMIDIFER**

Using electrode humidifier without bacteria, odour and intelligent coil cleaning and drainage control, suitable for all type of water quality.

**DEHUMIDIFYING**

Unique design dehumidifying function plus couples with reheat coil enabling it to increase the dehumidifying effect while maintaining the airflow and room temperature.

**FILTER**

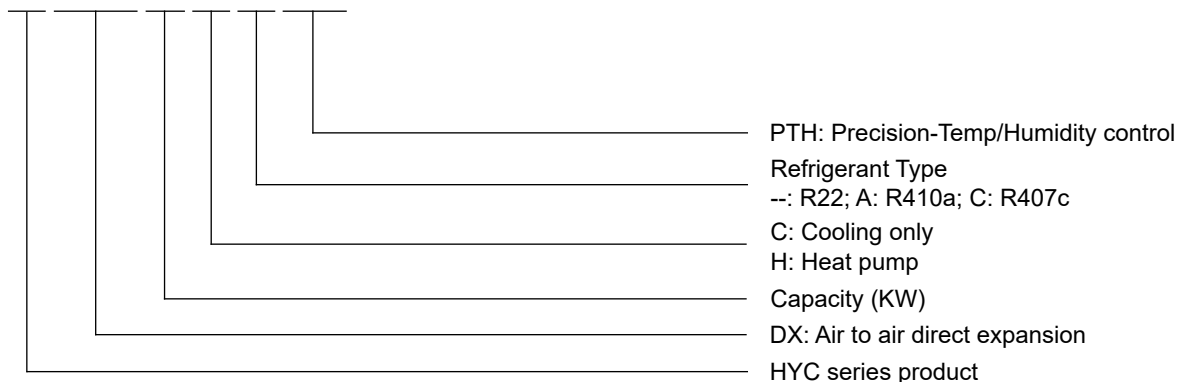
Using G4 air filter with larger filtering area, high filtration efficiency, less air resistance and long lifespan.

**ELECTRICAL HEATER**

PTC heater applied ceramic heating element, with low thermal resistance, quick heating, and safe performance. Steps control, with high precision, maintain the temperature in dehumidifying process.

**NOMENCLATURE**

**H D X 20 C A PTH**



Model		/	13PTH			20PTH			26PTH			32PTH			
Cooling capacity	kW		12.6			19.6			26			31.6			
Power input	kW		4.8			7.2			9.9			12			
Temp control	°C		18~25, ±0.8												
Humidity control	%		45~70, ±4												
Power supply	V/HZ		380-415V/3PH/50HZ												
Refrigerant	/		R410A												
Indoor unit	fan type	/	Centrifugal fan												
	air flow	m³/h	2800			4500			5600			6500			
	ESP	Pa	25	100	200	50	150	250	75	200	250	75	200	300	
	noise	dB (A)	61	63	67	62	65	70	64	68	73	65	69	73	
	E-heater	kW	9			12			18			21.6			
	humidifier	type		electrode humidifier											
		kg/h		3			3			3			3		
	size(top supply) LWH	mm	1045*625*1725			1245*625*1875			1245*625*1875			1445*625*1875			
	size(front supply) LWH	mm	1045*625*2045			1245*625*2195			1245*625*2195			1445*625*2195			
weight	Kg	240			325			390			410				
Outdoor unit	fan type	/	axial fan												
	fan qty	/	1			1			1			1			
	condensator type	/	Copper tube with hydrophylic aluminum fin												
	size(L*W*H)	mm	675*670*1105			1005*873*1505			1005*873*1505			1023*1005*1505			
	qty	unit	1			1			1			1			
	weight(per unit)	Kg	110			160			160			190			
Pipe	liquid pipe	/	Φ15.88			Φ15.88			Φ15.88			Φ15.88			
	gas pipe	/	Φ28			Φ28			Φ28			Φ28			
	connect way	/	welding												

The performance values refer to the following conditions:

- Room air temperature 24.0°C WB RH 50%, ambient air temperature 35°C DB.
- HYC reserve the right to make changes for above parameters without prior notice.

Model		/	41PTH			55PTH			64PTH			81PTH			93PTH			
Cooling capacity	kW		40.5			54.2			63.1			81.0			92.8			
Power input	kW		15.1			20.4			24.2			30.5			36			
Temp control	°C		18~25, ±0.8															
Humidity control	%		45~70, ±4															
Power supply	V/HZ		380-415V/3PH/50HZ															
Refrigerant	/		R410A															
Indoor unit	fan type	/	Centrifugal fan															
	air flow	m³/h	8600			10500			13500			17000			18500			
	ESP	Pa	75	250	350	100	300	400	100	300	400	120	350	450	120	350	450	
	noise	dB (A)	66	70	75	68	73	77	70	75	78	71	76	80	71	77	80	
	E-heater	kW	24.0			27.0			36.0			42.0			42.0			
	humidifier	type		electrode humidifier														
		kg/h		8			8			13			13			13		
	size(top supply) LWH	mm	1750*855*1875			1750*855*1875			2045*855*1875			2150*1025*1910			2150*1025*1910			
	size(front supply) LWH	mm	1750*855*2252			1750*855*2252			2045*855*2252			—			—			
weight	Kg	570			660			710			900			970				
Outdoor unit	fan type	/	axial fan															
	fan qty	/	1			2			2			2			2			
	condensator type	/	Copper tube with hydrophylic aluminum fin															
	size(L*W*H)	mm	1023*1005*1505			1547*921*1505			1547*921*1505			1897*921*1505			1942*1015*1505			
	qty	unit	1			1			1			1			1			
	weight(per unit)	Kg	190			320			320			400			415			
Pipe	liquid pipe	/	Φ15.88			Φ15.88			Φ15.88			Φ15.88			Φ15.88*2			
	gas pipe	/	Φ28			Φ35			Φ35			Φ35			Φ35*2			
	connect way	/	welding															

The performance values refer to the following conditions:

- Room air temperature 24.0°C WB RH 50%, ambient air temperature 35°C DB.
- HYC reserve the right to make changes for above parameters without prior notice.

Model		/	100PTH	120PTH	143PTH	170PTH	200PTH										
Cooling capacity	kW		100	120	142.4	170	200										
Power input	kW		37.4	46.1	55.5	70.3	83.2										
Temp control	°C		18~25, ±0.8														
Humidity control	%		45~70, ±4														
Power supply	V/Hz		380-415V/3PH/50HZ														
Refrigerant	/		R410A														
Indoor unit	fan type	/	Centrifugal fan														
	air flow	m³/h	20000		22500		26000		33100		37000						
	ESP	Pa	150	400	550	150	450	600	200	500	600	200	500	650	200	500	650
	noise	dB (A)	74	79	83	77	81	85	79	84	87	81	86	88	83	87	89
	E-heater	kW	48.0		60.0		72.0		84.0		96.0						
	humidifier	type	electrode humidifier														
		kg/h	13		13		23		23		23						
	size(top supply) LWH	mm	2280*1300*2025		2280*1300*2025		2680*1300*2270		2980*1450*2405		2980*1450*2405						
	size(front supply) LWH	mm	—		—		—		—		—						
weight	Kg	910		1040		1400		1470		1530							
Outdoor unit	fan type	/	axial fan														
	fan qty	/	2		2		2		2		2						
	condensator type	/	Copper tube with hydrophylic aluminum fin														
	size(L*W*H)	mm	1942*1015*1505		2212*1015*1590		2212*1015*1884		2212*1015*1884		3185*1015*1884						
	qty	unit	1		1		1		1		1						
	weight(per unit)	Kg	415		490		550		550		700						
Pipe	liquid pipe	/	Φ15.88*2		Φ15.88*2		Φ15.88*2		Φ15.88*2		Φ15.88*2						
	gas pipe	/	Φ35*2		Φ35*2		Φ35*2		Φ35*2		Φ35*2						
	connect way	/	welding														

The performance values refer to the following conditions:  
 • Room air temperature 24.0°C WB RH 50%, ambient air temperature 35°C DB.  
 • HYC reserve the right to make changes for above parameters without prior notice.