

FORM 2303-0610

YANGFAN

AIR CONDITION

AIR HANDLING UNITS FLOOR CABINET TYPE

3RT~20RT



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Certified ISO 9001 by

ELQi

PRODUCT INTRODUCTION

YANGFAN cabinet type air handling units are fabricated by superb technique, not only having the excellent capability and deluxe appearance, but also bring the low noise operation. The air volume of the unit is from 2040CMH to 13600CMH and the capacity is from 3RT to 20RT.

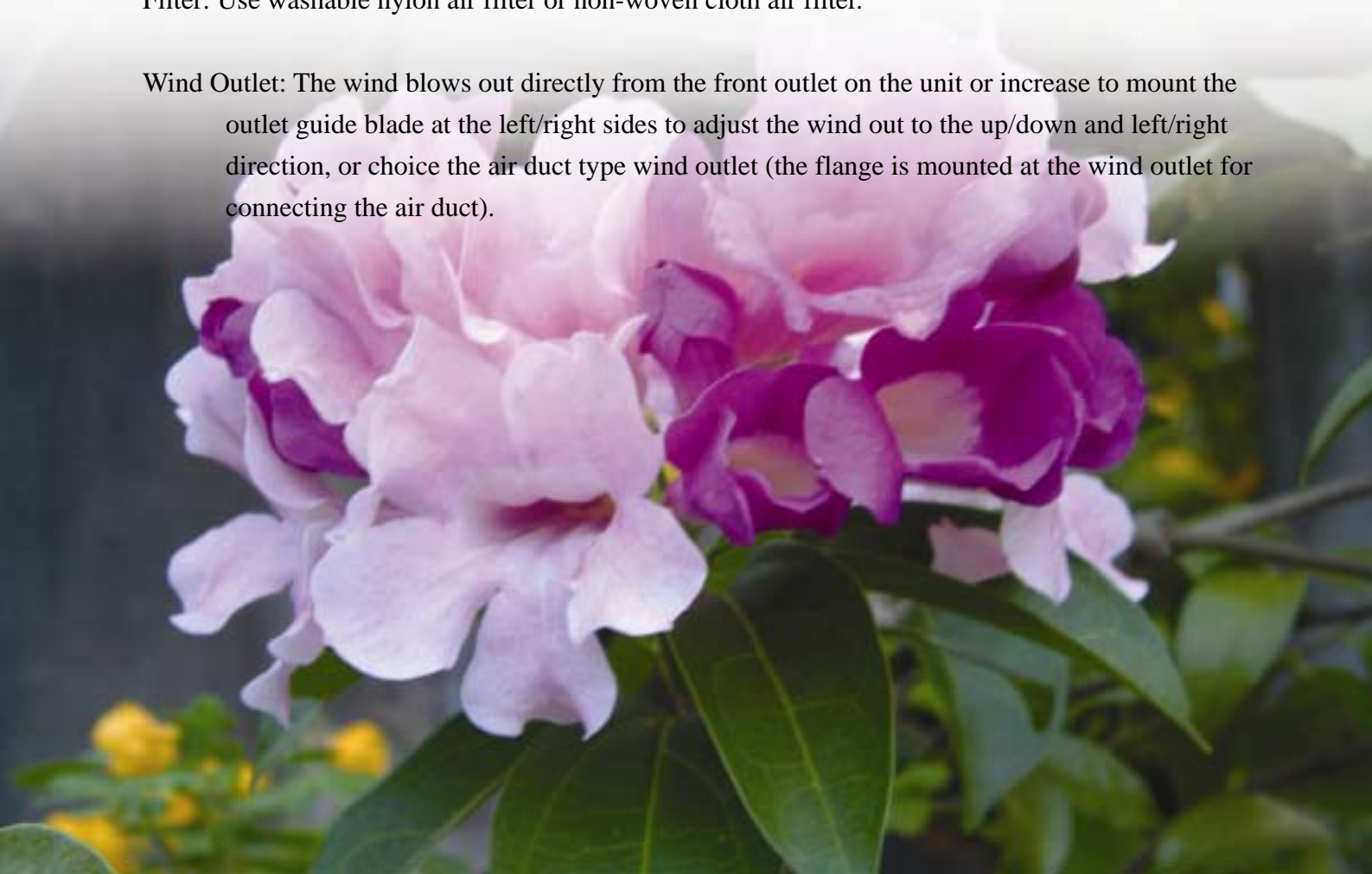
We briefly introduce the unit components as follows:

Fan: According to the customer's terms, we select the exactly right impeller model through computer programming, including its wind volume, static pressure, noise level, and the matched motor. All fan impellers are through statically and dynamically balance according to ISO 1940/1-1986 and AMCA 204/3 regulations. The balance test standard reaches 6.3mm/s.

Coil: The fin of the heat exchange coil adopts high purity aluminum sheet formed by die pressing. The holes on the aluminum sheet are arranged in equilateral triangle form and the aluminum sheets are also pressed making the sheet surface corrugated to secure the air turbulent flow in the coil. The heat exchange tubes adopt high-grade seamless copper tube; each bypass is accomplished by welding U-bend, through the mechanic expansion or liquid-expansion to expand the tubes making them combined with the aluminum fins closely. Our chilled water coils are all through 24Kg/cm^2 air pressure test before delivery from our factory, and assured no leakage under the working pressure 18Kg/cm^2 . Of course, you may choice the refrigerate type direct expansion coil as the cooling coil also.

Filter: Use washable nylon air filter or non-woven cloth air filter.

Wind Outlet: The wind blows out directly from the front outlet on the unit or increase to mount the outlet guide blade at the left/right sides to adjust the wind out to the up/down and left/right direction, or choice the air duct type wind outlet (the flange is mounted at the wind outlet for connecting the air duct).



Standard Specifications

Free Type

Model	UNIT	YLAH							
		003 F	004 F	005 F	006 F	008 F	010 F	015 F	020 F
Cooling capacity	Kcal/hr	9,000	12,000	15,000	18,000	22,500	30,000	45,000	60,000

FAN

Type	Double Inlet Centrifugal Forward-curve Fan								
Air volume	CMH	2,040	2,720	3,400	4,080	5,100	6,800	10,200	13,600
Number	PCS	1	1	2	2	2	2	2	2
Ex. static pressure	mmAq	15	15	15	15	15	15	25	25

Motor

Type	Permanent Split-capacitor Motor								
Power source		1 -60Hz -220V / 3			-60Hz -220V / 380V			3 -60Hz -220V / 380V	
Power input	W	380	380	380	380	380	380	1500	2200
Number	PCS	1	1	1	1	1	1	1	1

Coil

Slit Aluminum Fins Mechanically Bonded to Copper Tubes									
Water flow	l/min	30	40	50	60	75	100	150	200
Pressure Drop	mAq	0.27	0.55	0.85	0.64	0.90	1.13	0.7	1.28
Operating Pressure	Kg/cm ²	17.5							
Water conn.	in	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/2"	2"	2"
Drain	in	3/4"	3/4"	3/4"	1"	1"	1"	1"	1"

Air Filter

Type	Washable Nylon Filter								
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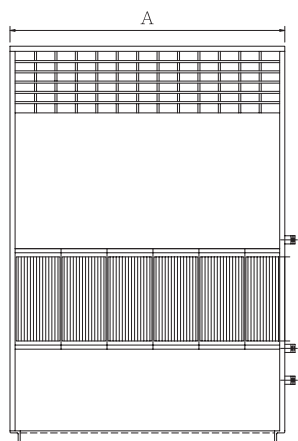
Dimension

A		720	720	720	1200	1200	1200	1625	1970
B		1700	1700	1700	1850	1850	1850	1905	1905
C		520	520	520	550	550	550	710	710
Net weight	Kg	155	155	160	220	250	260	360	430

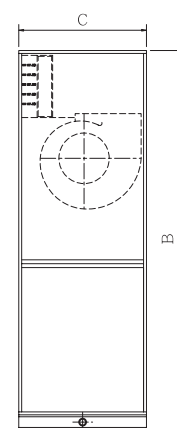
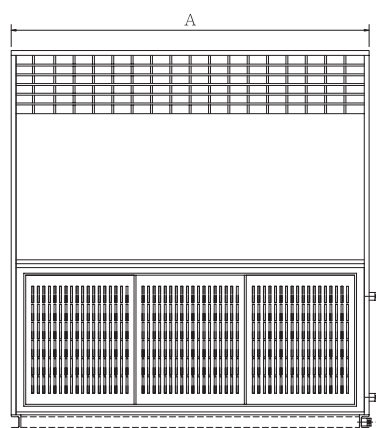
Note : The capacity is based on the following conditions :

Cooling : Entering air temp. 27 DB, 19.5 WB. Entering chilled water temp 7 , leaving temp rise 5 .

YLAH-003F -010 F



YLAH-015F -020 F



Standard Specifications

Duct Type

Model	UNIT	YLAH									
		003 D	004 D	005 D	006 D	008 D	010 D	015 D1	015 D2	020 D1	020 D2
Cooling capacity	Kcal/hr	9,000	12,000	15,000	18,000	22,500	30,000	45,000	45,000	60,000	60,000

FAN

Type	Double Inlet Centrifugal Forward-curve Fan										
Air volume	CMH	2,040	2,720	3,400	4,080	5,100	6,800	8,100	8,100	10,800	10,800
Number	PCS	1	1	1	1	2	2	1	2	1	2
Ex. static pressure	mmAq	15	20	20	20	20	20	50	50	55	55

Motor

Type	Permanent Split-capacitor Motor											
Power source		1 -60Hz -220V / 3					-60Hz -220V / 380V					3 -60Hz -220V / 380V
Power input	W	380	380	380	380	380	380	2200	5500	3700	5500	
Number	PCS	1	1	1	1	1	1	1	1	1	1	

Coil

Slit Aluminum Fins Mechanically Bonded to Copper Tubes											
Water flow	l/min	30	40	50	60	75	100	150	200	150	200
Pressure Drop	mAq	0.27	0.55	0.85	0.64	0.91	1.13	0.48	0.70	0.91	0.97
Operating Pressure	Kg/cm ²	17.5									
Water conn.	in	1-1/4"	1-1/4"	1-1/4"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2"	2"
Drain	in	3/4"	3/4"	3/4"	3/4"	1"	1"	1"	1"	1"	1"

Air Filter

Type	Washable Nylon Filter										
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Dimension

A		720	720	720	1200	1200	1200	1360	1625	1625	1970
B		1700	1700	1700	1850	1850	1850	1905	1560	1905	1560
C		520	520	520	550	550	550	1040	710	1040	710
Net weight	Kg	145	145	150	220	228	240	370	350	450	420

Note : The capacity is based on the following conditions :

Cooling : Entering air temp. 27 DB , 19.5 WB. Entering chilled water temp 7 , leaving temp rise 5 .

