

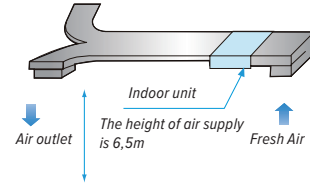
# FRESH AIR PROCESSING UNIT

CNFA-3-XY D90÷D160



## 100% FRESH AIR PROCESSING UNIT

Both fresh air filtration and heating/cooling can be achieved in a single system. Indoor units and the Fresh Air Processing Unit can be connected to the same refrigerant system, increasing design flexibility and greatly reducing total system costs.



## FLEXIBLE DUCT DESIGN

Thanks to maximum external static pressure of 300 Pa, the Fresh Air Processing units can be combined with very long ducts, granting the desired airflow even with high pressure losses.

## COMPACT DESIGN

All models are only 310 mm high allowing the installation in limited false ceilings.

## STATIC PRESSURE WITH 20 STEPS CONTROL

Depending on the installation environment, units can be precisely set up to 20 steps of static pressure/airflow rate combinations via wired remote controller, providing comfortable environment suitable for any application.

## FLEXIBLE TEMPERATURE CONTROL

Fresh Air Processing units can control both the supply or indoor return temperature as setpoint adapting to any project requirement.



## technical data

CNFA-3-XY D90 ÷D160



### FRESH AIR PROCESSING UNIT

Size	CNFA-3-XY	D90	D140	D160	
Cooling <sup>(1)</sup>	Capacity	kW	9,0	14,0	16,0
	Power input	W	80	165	185
	Operating temperature range (DB)	°C	20 ~ 52	20 ~ 52	20 ~ 52
Heating <sup>(2)</sup>	Capacity	kW	8,1	12,5	14,0
	Power input	W	80	165	185
	Operating temperature range (DB)	°C	-10 ~ 16	-10 ~ 16	-10 ~ 16
Pipe connections	Liquid	mm	Ø 9.53	Ø 9.53	Ø 9.53
	Gas	mm	Ø 15.9	Ø 15.9	Ø 15.9
	Drain pipe	mm	Ø 25	Ø 25	Ø 25
Dimensions (Width x Height x Depth) <sup>(5)</sup>	mm	1135x310x773	1135x310x773	1135x310x773	
Weight	kg	37	40	40	
Airflow rate <sup>(3)</sup>	m <sup>3</sup> /h	690/633/575/518 /460/403/345	1100/1008/917/825 /733/642/550	1230/1128/1025/923 /820/718/615	
External static pressure	Pa	100 (0~300)	150 (0~300)	150 (0~300)	
Sound pressure level <sup>(3)(4)</sup>	dB(A)	39/37.5/36/34 /32.5/30.5/29	44.5/42.5/40/37 /35/33/32	44.5/43/41/38 /36/34/32.5	
Sound power level <sup>(3)(4)</sup>	dB(A)	61/59/56/53 /51/48/45	66/64/61/57 /55/53/51	67/65/62/58 /56/54/52	
Power supply	V/Ph/Hz		220-240/1~/50		

Data measured at standard external static pressure.

- (1) Outdoor temperature 33°C DB/28°C WB. Piping length between outdoor and indoor units is 8 m, height difference is zero
- (2) Outdoor temperature 0°C DB/-2.9°C WB. Piping length between outdoor and indoor units is 8 m, height difference is zero.
- (3) Data refer to the 7 fan speeds, in descending order.
- (4) Sound values are measured in a semi-anechoic room, at a position 1.4 m below the unit.

(5) Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments

The Fresh Air Processing Unit can be used either independently or in conjunction with other types of indoor unit. If used independently, the total capacity of the Fresh Air Processing Units must be **between 50% and 100%** of that of the outdoor units. If used in conjunction with other types of indoor unit, the total capacity of the Fresh Air Processing Units **must not exceed 30%** of that of the outdoor units and the total capacity of indoor units + Fresh Air Processing Units must be **between 50% and 100%** of that of the outdoor units .

## accessories

- RM12F1 Infrared remote control
- WDC3-86S Simplified wired controller
- WDC3-86T Compact wired controller

- WDC3-120T Wired controller
- DB01 IR receiver for remote control

Data contained in this document are not binding and may be changed by the Manufacturer without notice