



## TRANE - AIR HANDLING UNIT



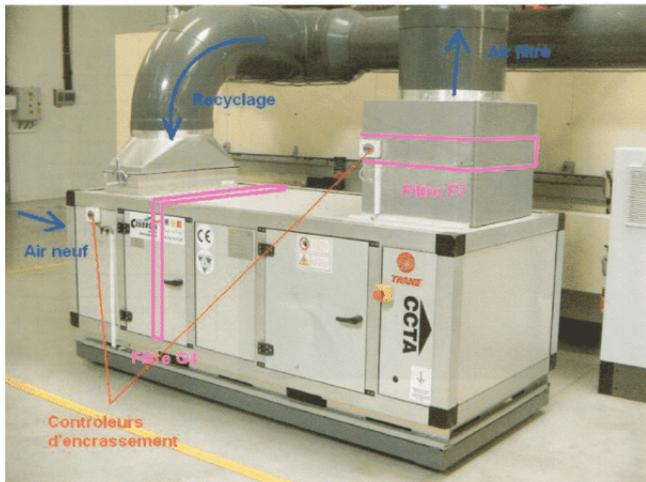
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**SKU:** GU001 | **Categories:** [Air handling unit](#), [Air treatment equipment](#)

## PRODUCT DESCRIPTION

### CCTA 012 **TRANE**

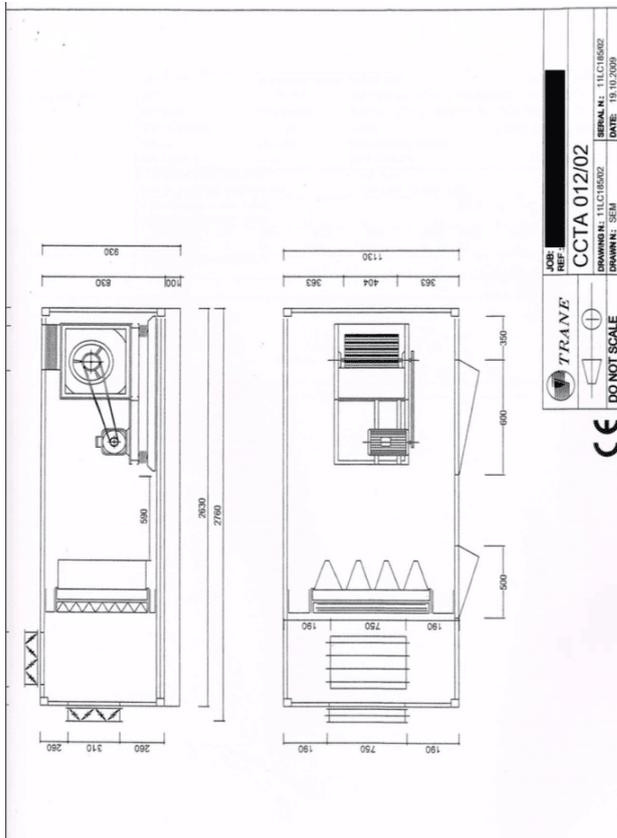
- Max fan speed 4500m<sup>3</sup> / h
- No cold heat exchanger
- No hot heat exchanger
- 1 filter G4 (grossier) and 1 F7 (particles from 1 to 10 µm)
- Electrical control cabinet with dimmer
- New equipment
- Quantity: 2
- Year 2009



Chaque CCTA est pourvu de 2 contrôleurs d'encrassement mesurant l'encrassement des 2 filtres.

<b>Supply fan</b>	FAN TYPE	Backward curved	<b>AIRFLOW</b>					
	SIZE	VTZ315R	<b>EXTERNAL STATIC PRESSURE</b> 150+162 Pa					
	MATERIAL	Galvanized	<b>TOTAL STATIC PRESSURE (538)</b> 700 Pa					
	PROTECTION	Zn	RPM (2053) 2227 rpm					
	PULLEY	90 1GA	ABSORBED POWER 1.3 kW					
	BELT DRIVE	A 44	EFFICIENCY 73 %					
	FAN DISCHARGE VELOCITY:		7.66 m/s					
	FAN DISCHARGE DIMENSION:		L 404 mm - H 404 mm					
	In duct sound power: (dBA)		82.6					
	Octave in duct power level							
F [Hz]	63	125	250	500	1000	2000	4000	8000
Supply [dB]	77	75	81	80	78	74	88	60
With safety door microswitch								

<b>Motor</b>	PROTECTION	IP 55	RPM	1400
	INSULATION CLASS	F	POWER SUPPLY	400V/3ph/50Hz
	POLES N.	4	STARTING TYPE	Direct
	INSTALLED POWER	1.5 kW	RATED AMPS (A)	3.5
	PULLEY	132 1GA	MAX AMPS (A)	21.1
			POWER INPUT: (kW)	1.8
Motor thermal protection Klaxon				



AHU sound levels

	Tot. dB(A)	63	125	250	500	1000	2000	4000	8000
Sound power level supply inlet	77	75	64	78	76	72	66	53	43
Sound power level supply outlet	81	77	75	81	80	78	74	68	60
Sound power level return inlet									
Sound power level return outlet									
Airborne sound power	62		56	67	59	58	39	33	27

- before installing the unit, read the IOM
  - make the electrical wiring following the drawing inside of the motor power box or on motor label
  - to avoid electrical motors overload, do not start the unit without filters or other component or without ducts or with door open
  - the unit has been designed with the required external static pressure and considering the filters at half life: with plant pressure drop less than the required, with clean filters and without proper control, the airflow and the sound power will be more than the indicated
  - the cross flow recuperator has been designed in order to resist to the indicated differential pressure between the plates. Do not exceed this value enslaving properly dampers or other interception devices
  - performance data of the heat recuperator are considered for counterflow of air; in case both flows are in same direction, performance data could be substantially different from those
  - unit is designed for a maximum air temperature of 55°C
  - depending on supply air temperature and outdoor condition, condensate on profiles can occur
  - if water temperature entering the coil is below 1°C, freezing of coil fins can occur
  - link the fan working to intercepting devices, as dampers or similar, avoiding fan working with those devices closed
  - if unit is provide of roof, it will be provide separately, to mount on site by customer
  - calculate sound pressure levels are indicative only. It corresponds to: free filed hemispheric sound radiation from the unit casing, the inlet and outlet opening. Other sources, acoustic character of the room, air flow noise, duct connection and vibration can influence the sound pressure in dependence. In practise, therefore measured values on site may be different from the calculation ones.
- This technical sheet and the attached drawing is the only document reporting the air handling unit construction features, also if not in conformity with offer or other requests/documents sent to us, including mechanical specifications, technical description or similar.
- For general construction features not indicated in it, refer to available documentation.



