

HUMIDITY
SOLUTIONS
Independently better

COTES

**COTES ALL-ROUND
THE C30 RANGE**



EXPERTS IN HUMIDITY MANAGEMENT

COTES ALL-ROUND THE C30-RANGE



IDEAL FOR USE IN

- Food industry processing facilities
- Cold stores
- Waterworks
- General humidity management in all kinds of indoor spaces

ADVANTAGES

- Small measurements
- Sleek, elegant casing design
- High build quality
- Easy to retrofit heat recovery module
- Low energy consumption
- Free choice of external control system
- Easy Cleaning

BENEFITS

- High energy efficiency
- Stainless steel cabinet
- Easy installation
- Low-noise running
- Low maintenance costs

COMPACT, VERSATILE AND ENERGY EFFICIENT

Easy to mount and install

Cotes All-Round C30 dehumidifiers are particularly compact, with moisture removal capacities of 0.9–1.9 kg per hour. The elegant stainless steel cabinet means these energy-efficient dehumidifiers can even be installed in places where they are on full view.

Highly versatile

Cotes All-Round C30 dehumidifiers are compact, uncomplicated units that are exceptionally robust and reliable, as well as only using a bare minimum of energy. The combination of a small footprint and high effectiveness makes them ideal for use in a vast range of places and for removing moisture from the air in many different industries.

Modular advantage

In Cotes All-Round units, the silica gel-coated rotor is mounted horizontally. This means process air enters and leaves on the same side of the casing, while regeneration air enters and leaves on the opposite side.

Any additional equipment, such as a heat recovery module or an air-cooled condensation module, can be mounted in an additional casing on the side.

Heat recovery

Your All-Round unit can be fitted with a highly efficient aluminium cross-flow air-to-air heat exchanger to recover heat from the regeneration air leaving the unit. This thermal energy can then be reused to preheat the incoming regeneration air.

These energy-saving heat recovery units can save as much as 20% on your energy bills, resulting in payback in as little as approx. 36 months.

Condensation advantage

All-Round C30 units can be fitted with an air-cooled condensation unit to condense the water from the regeneration air – a big benefit when a regeneration air outlet is not a good idea or cannot be fitted.

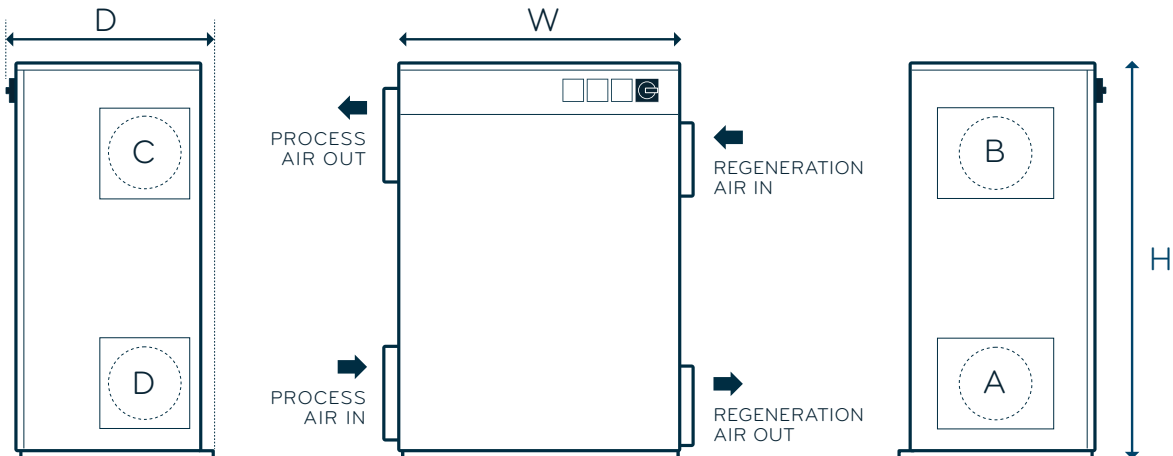
Controls

All-Round C30 units can be linked to all Cotes external controls – DR10, DA20, DH24, DCC – depending on your dehumidification needs and operating requirements.

TECHNICAL DATA

THE C30 RANGE		C30E		
		0.9	1.2	1.9
TECHNICAL DATA				
DRY AIR NOMINAL	m ³ /hour	300	300	300
REGENERATION AIR NOMINAL	m ³ /hour	50	65	85
SUPPLY VOLTAGE*	V/Ph	1x230VAC 50/60Hz + PE	1x230VAC 50/60Hz + PE	3x400VAC 50/60Hz+N+PE
CONNECTED LOAD	kW	1.4	1.8	2.9
EXTERNAL FUSES	A	10	10	16
EXTERNAL PRESSURE PROCESS AIR	Pa	200	200	200
EXTERNAL PRESSURE REGENERATION AIR	Pa	140	180	150
CAPACITY AT 20°C, 60%RH	kg/hour	0.9	1.2	1.9
SOUND LEVEL (sound pressure)	dB(A)	52	54	54
DIMENSIONS AND WEIGHT				
D DEPTH	mm	398	398	398
W WIDTH	mm	554	554	554
H HEIGHT	mm	771	771	771
A PROCESS AIR INLET	mm	200x200	200x200	200x200
B PROCESS AIR OUTLET	mm	200x200	200x200	200x200
A&B PROCESS AIR DUCT (with ILU adapter)	mm	Ø200	Ø200	Ø200
C REGENERATION AIR INLET	mm	Ø100	Ø100	Ø100
D REGENERATION AIR OUTLET	mm	Ø100	Ø100	Ø100
WEIGHT	kg	52	53	53

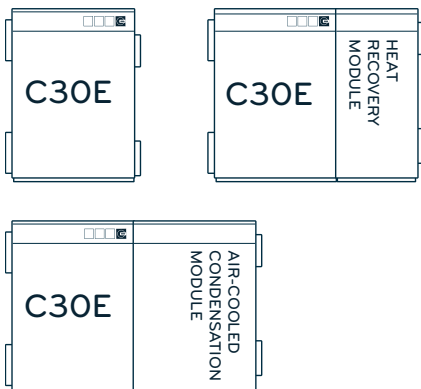
* Other supply voltages are available on request
Subject to change without notice



CONTROL CONFIGURATIONS

MONITORING AND CONTROL SETUPS	BASIC	SENSOR	PLUS
HOURLY COUNTER TO MONITOR RUNNING TIME	X	X	X
EXTERNAL HUMIDITY SENSOR RH%	OPTIONAL	OPTIONAL	OPTIONAL
REMOTE START/STOP – HUMIDITY CONTROL SWITCH	X	X	X
SENSOR FOR REGENERATION FILTER, FAN AND HEATING ELEMENTS		X	X
EXTERNAL FAULT SIGNAL		X	X
EXTERNAL OPERATION SIGNAL		X	X
ROTOR GUARD			X
PROCESS FILTER GUARD			X
EFFICIENT AND ADJUSTABLE EC FANS FOR PROCESS AND REGENERATION CIRCUIT			X

MODULAR CONFIGURATIONS



OPTIONAL EQUIPMENT

- Heat recovery module
- Air-cooled condensation module

ANCILLARY EQUIPMENT

- Hygrostat
- Different filter configurations, as required
- Brackets for wall mounting
- Brackets for floor mounting