

DATASHEET

C105E

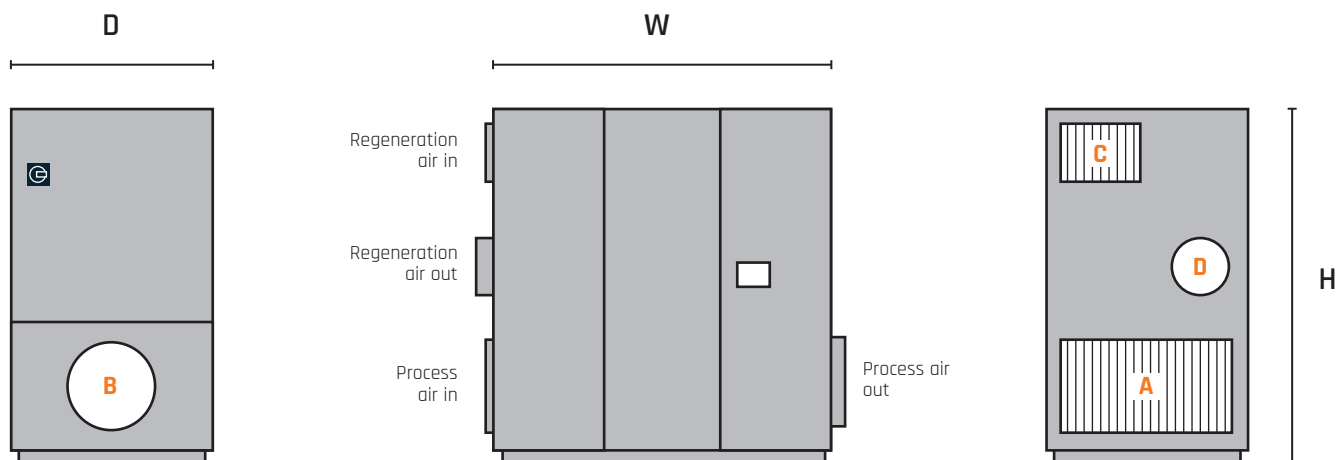
The C105E is the largest unit, engineered for advanced solutions requiring maximum capacity, long-term reliability, and stainless-steel construction suitable for hygienic and controlled environments.

MONITORING AND CONTROL SETUPS	PLC B	PLC C
Hour counter to monitor running time	X	X
Overheating alarm	X	X
External humidity sensor (RH%)	X	X
Service indicator to monitor maintenance requirements	X	X
Datalogging for tracking conditions	X	X
Service alarm monitoring	X	X
5.7-inch touch display	X	X
Filter and rotor service alarm	X	X
Measurement and control after dew point (option)	X	X
Timer, day/night timer and cycle timer	X	X
Network connectivity (optional)	X	X
Monitoring and control via smartphone app (optional)	X	X
Control of regeneration air fan from the PLC interface	X	X
Control of process air fan from the PLC interface		X
Extra external humidity sensor (RH% and dew point) up to two external humidity sensors can be connected (single sensor included)		X
Monitoring and automatic adjustment of air flows		X
Quiet program		X
Custom program		X
Energy-saving program		X
ADDITIONAL FUNCTIONALITIES		
Process sensors upgrade		X
Specific humidity (g/kg) measurement		X
Energy+ saving program (for process applications)		X

COTES MODULAR

TECHNICAL DATA

Performance data is based on nominal conditions 20°C, 60%RH.



COTES MODULAR	C105E				
	25	31	39	46	51

TECHNICAL DATA

DRY AIR	m ³ /h	4100	6100	8800	8800	8800
REGENERATION AIR	m ³ /h	1100	1350	1650	1900	1900
SUPPLY/CONNECTIONS	V/PH	400V-50Hz / 3xPH+PE	400V-50Hz / 3xPH+PE	400V-50Hz / 3xPH+PE	400V-50Hz / 3xPH+PE	400V-50Hz / 3xPH+PE
REGENERATION AIR HEATER	kW	33.6	42	50.4	58.8	67.2
CONNECTED LOAD	kW	38	49	59	67	75
MAXIMUM FUSE SIZE	A	80	80	125	125	125
EXT. PRESSURE PROCESS AIR	Pa	400	400	400	400	400
EXT. PRESSURE REGENERATION AIR	Po	400	400	400	400	400
MOISTURE REMOVAL CAPACITY	kg/h	25.1	31	39.1	45.8	50.5
SOUND LEVEL (Preliminary data)	dB	<60	<66	<75	<75	<75

DIMENSIONS AND WEIGHT

W	WIDTH	mm	1805	1805	1805	1805	1805
D	DEPTH	mm	1321	1321	1321	1321	1321
H	HEIGHT	mm	2150	2150	2150	2150	2150
	WEIGHT (ELECTRICAL)	kg	690	710	730	730	730
	WEIGHT (STEAM)	kg	710	725	760	760	760

DUCT CONNECTIONS

A	PROCESS AIR INLET	mm	998x695	998x695	998x695	998x695	998x695
B	PROCESS AIR OUTLET	mm	998 x 695 (Ø630)	998 x 695 (Ø630)	998 x 695 (Ø630)	998 x 695 (Ø630)	998 x 695 (Ø630)
C	REGENERATION AIR INLET	mm	650 x420 (Ø315)	650 x420 (Ø315)	650 x420 (Ø315)	650 x420 (Ø315)	650 x420 (Ø315)
D	REGENERATION AIR OUTLET	mm	Ø315	Ø315	Ø315	Ø315	Ø315