

# DATASHEET

## THE C105 RANGE - CONTROL CONFIGURATION

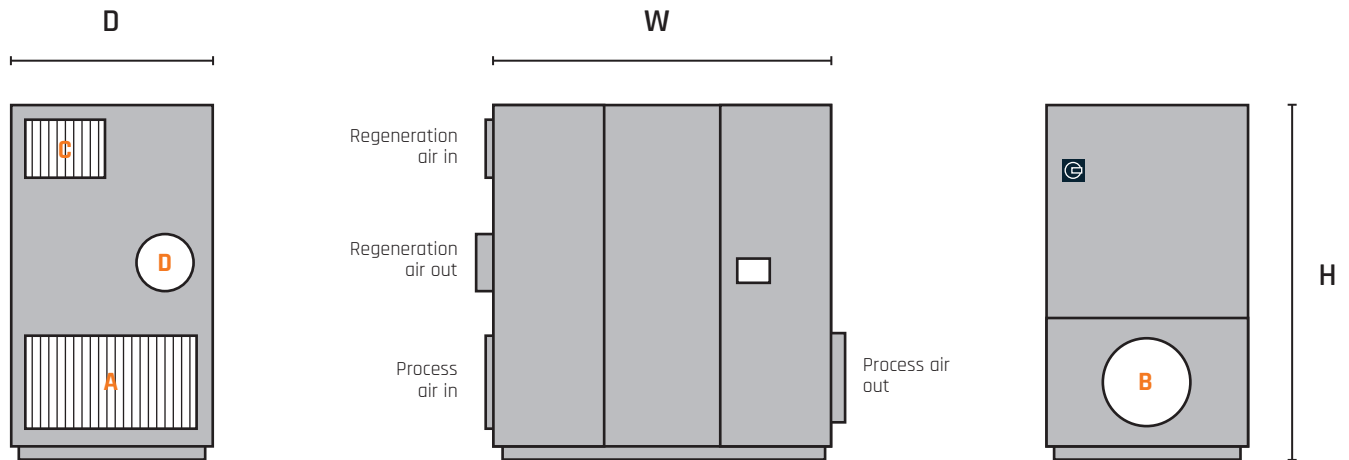
The C105 has high moisture removal capabilities and the large volumes of air that can be dried make this dry-air solution well suited for many industrial applications where temperature, air flow or relative humidity are business critical parameters.

MONITORING AND CONTROL SETUPS	BASIC A	PLC B	PLC C
Hour counter to monitor running time	X	X	X
Overheating alarm	X	X	X
Manually adjustable regeneration air fan	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
<b>ADDITIONAL FUNCTIONALITIES</b>			
Process sensors upgrade			X
Specific humidity (g/kg) measurement			X
Energy+ saving program (for process applications)			X

## THE C105 RANGE

# TECHNICAL DATA

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



THE C105 RANGE	C105E				
	25	31	39	46	51

TECHNICAL DATA						
DRY AIR	m <sup>3</sup> /h	4100	6100	8800	8800	8800
REGENERATION AIR	m <sup>3</sup> /h	1100	1350	1650	1900	1900
VOLTAGE/PHASES	V/PH	400/3PH+PE	400/3PH+PE	400/3PH+PE	400/3PH+PE	400/3PH+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	1803	1803	1803	1803
D	DEPTH	mm	1320	1320	1320	1320
H	HEIGHT	mm	2150	2150	2150	2150
	WEIGHT (ELECTRICAL)	kg	690	710	730	730
	WEIGHT (STEAM)	kg	710	725	760	760

DUCT CONNECTIONS						
A	PROCESS AIR INLET	mm	998 x 695	998 x 695	998 x 695	998 x 695
B	PROCESS AIR OUTLET	mm	998 x 695 (Ø630)	998 x 695 (Ø630)	998 x 695 (Ø630)	998 x 695 (Ø630)
C	REGENERATION AIR INLET	mm	650 x 420 (Ø315)	650 x 420 (Ø315)	650 x 420 (Ø315)	650 x 420 (Ø315)
D	REGENERATION AIR OUTLET	mm	Ø315	Ø315	Ø315	Ø315