

DATASHEET

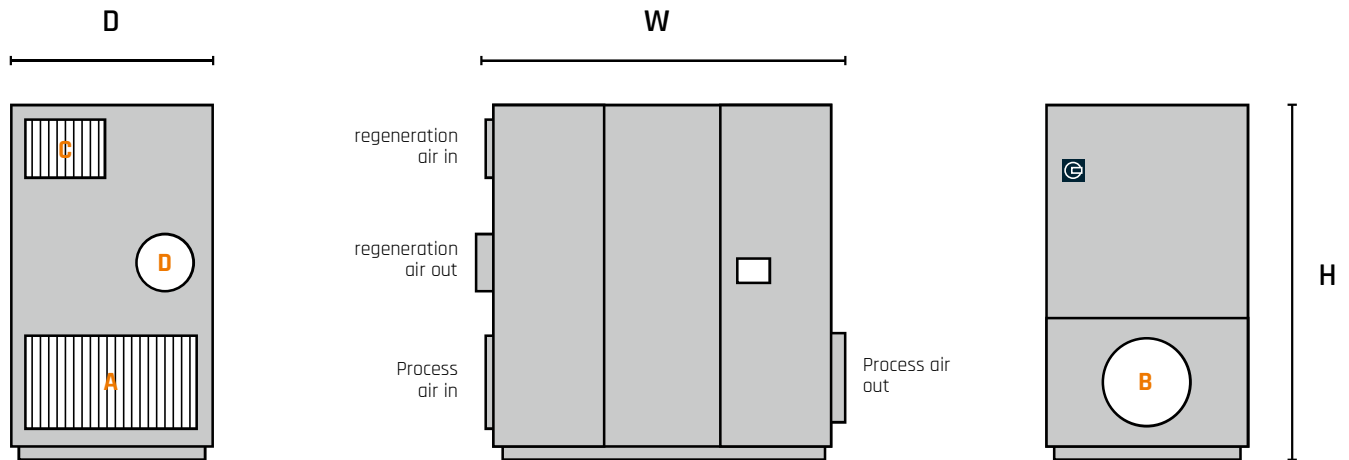
THE C105 RANGE - CONTROL CONFIGURATION

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 process fan	X	X	X
External humidity sensor (R/H)		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
Control of regeneration air fan from the PLC interface		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
Monitoring and control by cotes service center (optional)		X	X
Datalogging for tracking capacity control / modulating heat control conditions		X	X
Extra external humidity sensor (R/H 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			
Energy+ saving program (for process applications)			X
Continuous measurement of moisture removal			X
Capacity alarm			X
Specific humidity (g/kg) program			X

THE C105 RANGE

TECHNICAL DATA



THE C105 RANGE	C105E				
	25	31	39	46	51

TECHNICAL DATA

DRY AIR NOMINAL	m ³ /h	4100	6100	8800	8800	8800
REGENERATION AIR NOMINAL	m ³ /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
EXTERNAL FUSES	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
CAPACITY AT 20°C, 60%RH	kg/h	25.1	31	39.1	45.8	50.5

DIMENSIONS AND WEIGHT

W	WIDTH	mm	2075	2075	2075	2075	2075
D	DEPTH	mm	1350	1350	1350	1350	1350
H	HEIGHT	mm	2150	2150	2150	2150	2150
	WEIGHT (ELECTRICAL)	kg	690	710	730	730	730

DUCT CONNECTIONS

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