

# DATASHEET

## THE C35 RANGE - CONTROL CONFIGURATION

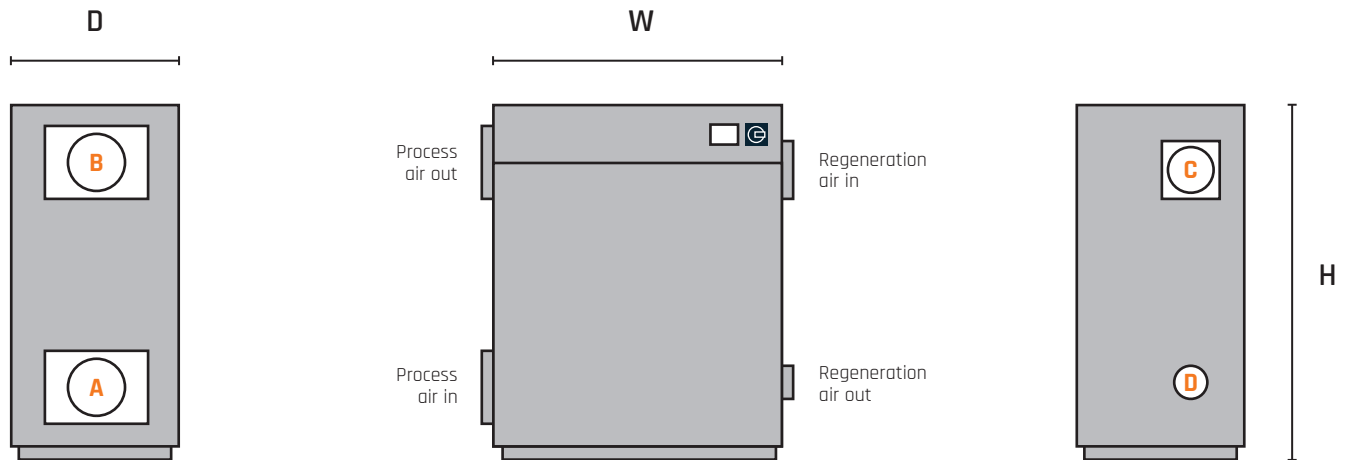
The C35 is an innovative range of elegant, versatile dehumidifiers, with moisture removal capacities of 3-6 kg per hour, ideal for food industry processing facilities, pharmaceutical production facilities, waterworks, cold stores/freezer facilities and general humidity management in all kinds of indoor spaces.

MONITORING AND CONTROL SETUPS	BASIC A	PLC B	PLC C
Hour counter to monitor running time	X	X	X
Overheating alarm	X	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
3.5-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 C35 RANGE

# TECHNICAL DATA

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



THE C35 RANGE	C35E				
	3.3	3.8	4.5	5.1	5.6

### TECHNICAL DATA

		3.3	3.8	4.5	5.1	5.6
DRY AIR	m <sup>3</sup> /h	750	1000	1000	1000	1000
REGENERATION AIR	m <sup>3</sup> /h	135	135	168	202	233
VOLTAGE/PHASES	V/PH	400/3PH+N+PE	400/3PH+N+PE	400/3PH+N+PE	400/3PH+N+PE	400/3PH+N+PE
REGENERATION AIR HEATER	kW	4.5	4.5	5.7	6.9	8.0
CONNECTED LOAD	kW	5.1	5.4	6.5	7.7	8.8
CURRENT CONSUMPTION	A	7.4	7.8	9.4	11.1	12.7
MAXIMUM FUSE SIZE	A	10	10	16	16	16
EXT. PRESSURE PROCESS AIR	Pa	210	210	210	210	210
EXT. PRESSURE REGENERATION AIR	Pa	300	300	300	300	250
MOISTURE REMOVAL CAPACITY	kg/h	3.3	3.8	4.5	5.1	5.6
SOUND LEVEL (Preliminary data)	dB	<53	<59	<59	<59	<59

### DIMENSIONS AND WEIGHT

			3.3	3.8	4.5	5.1	5.6
W	WIDTH	mm	756	756	756	756	756
D	DEPTH	mm	493	493	493	493	493
H	HEIGHT	mm	1090	1090	1090	1090	1090
	WEIGHT (ELECTRICAL)	kg	102	110	110	110	110

### DUCT CONNECTIONS

			3.3	3.8	4.5	5.1	5.6
A	PROCESS AIR INLET	mm	350 x 260 (Ø250)	350 x 260 (Ø250)	350 x 260 (Ø250)	350 x 260 (Ø250)	350 x 260 (Ø250)
B	PROCESS AIR OUTLET	mm	350 x 260 (Ø250)	350 x 260 (Ø250)	350 x 260 (Ø250)	350 x 260 (Ø250)	350 x 260 (Ø250)
C	REGENERATION AIR INLET	mm	200 x 200 (Ø200)	200 x 200 (Ø200)	200 x 200 (Ø200)	200 x 200 (Ø200)	200 x 200 (Ø200)
D	REGENERATION AIR OUTLET	mm	Ø125	Ø125	Ø125	Ø125	Ø125