

DATASHEET

THE C65 RANGE - CONTROL CONFIGURATION

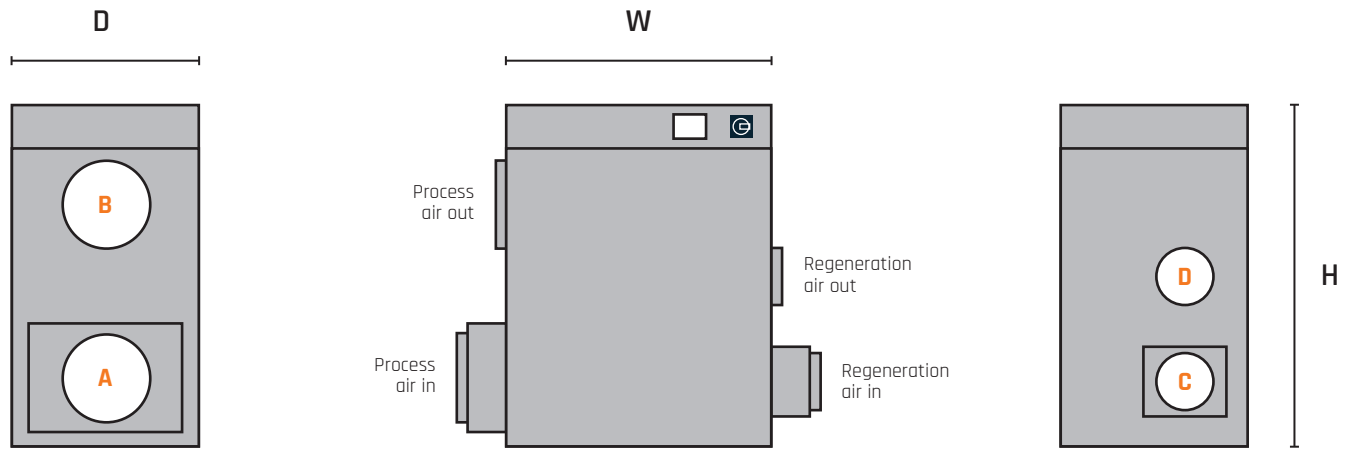
Redesigned and improved in 2021, the new C65 incorporates the heat recovery module as default functionality, improving energy efficiencies and making it arguably the most energy efficient mid-sized dehumidifier on the market.

MONITORING AND CONTROL SETUPS	BASIC A	PLC B	PLC C
Built in heat regeneration	X	X	X
Hour counter to monitor running time	X	X	X
Overheating alarm	X	X	X
Manually adjustable process fan	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
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
Control of process air fan from the PLC interface			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			
Process sensors upgrade			X
Specific humidity (g/kg) measurement			X
Energy+ saving program (for process applications)			X

THE C65 RANGE

TECHNICAL DATA

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



THE C65 RANGE	C65E				C65C	
	8	11	15	19	1	3

TECHNICAL DATA

DRY AIR	m ³ /h	1900	2600	3700	3700	1900	3700
REGENERATION AIR	m ³ /h	340	450	670	940	340	340
VOLTAGE/PHASES	V/PH	400/3PH+N+PE	400/3PH+N+PE	400/3PH+N+PE	400/3PH+N+PE	400/3PH+N+PE	400/3PH+N+PE
REGENERATION AIR HEATER	kW	10.2	14.4	20.4	28.8	5.1	7.2
CONNECTED LOAD	kW	11.4	17.8	23.8	33.8	8	11
CURRENT CONSUMPTION	A	16.4	25.7	34.4	48.8	10.5	15.9
MAXIMUM FUSE SIZE	A	63	63	63	63	20	20
EXT. PRESSURE PROCESS AIR	Po	400	400	400	400	400	400
EXT. PRESSURE REGENERATION AIR	Po	400	400	400	400	400	400
MOISTURE REMOVAL CAPACITY	kg/h	7.8/9.2	11.1/12.9	15.4/17.9	19.1/22.5	1.5	3
MAX. MOISTURE REMOVAL CAPACITY WITH HR	kg/h	9.6	13.8	18.4	23.1		
SOUND LEVEL (Preliminary data)	dB	<66	<73	<73	<75	<73	<73

DIMENSIONS AND WEIGHT

W	WIDTH	mm	1200	1200	1200	1200	1200	1200
D	DEPTH	mm	779	779	779	779	779	779
H	HEIGHT	mm	1718	1718	1718	1718	1718	1718
	WEIGHT (ELECTRICAL)	kg	295	320	325	330	295	315
	WEIGHT (STEAM)	kg	320	365	365	370		

DUCT CONNECTIONS

A	PROCESS AIR INLET	mm	Ø400	Ø400	Ø400	Ø400	Ø400	Ø400
B	PROCESS AIR OUTLET	mm	Ø400	Ø400	Ø400	Ø400	Ø400	Ø400
C	REGENERATION AIR INLET	mm	Ø250	Ø250	Ø250	Ø250	Ø250	Ø250
D	REGENERATION AIR OUTLET	mm	Ø250	Ø250	Ø250	Ø250	Ø250	Ø250