

THE C30 RANGE

DATASHEET



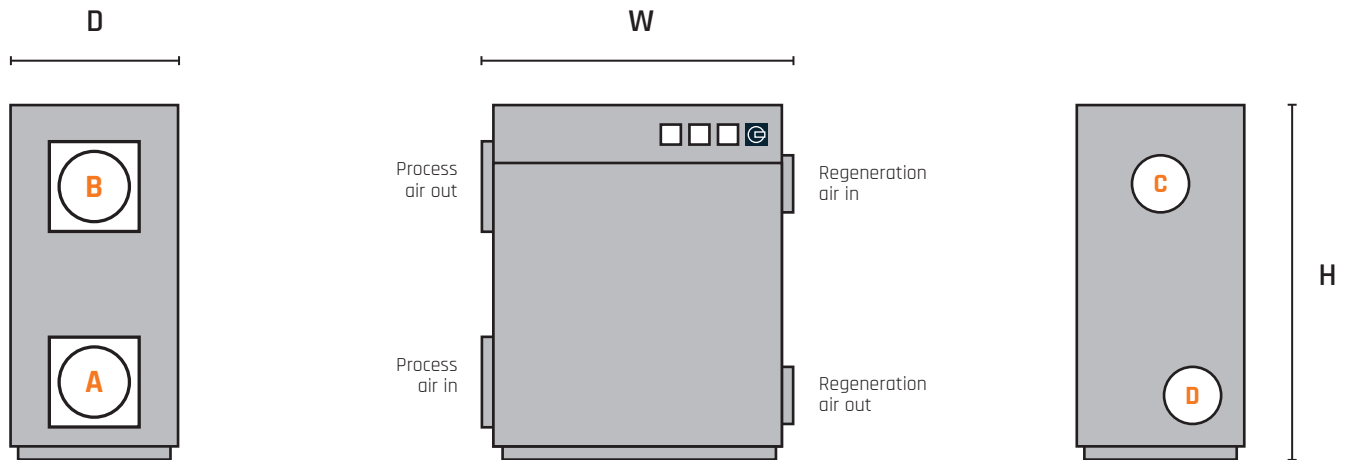
THE C30 RANGE - COMPACT AND VERSATILE

The C30 is often used in food industry processing facilities, cold stores, waterworks, general humidity management in all kinds of indoor spaces. Easy to clean, it has a sleek and quality design with low energy consumption, low noise running and low maintenance costs.

MONITORING AND CONTROL SETUPS	BASIC	SENSOR	PLUS
Hour counter to monitor running time	X	X	X
Remote START/STOP – Humidity Control Switch	X	X	X
Sensor for regeneration filter, fan and heating elements		X	X
External fault signal		X	X
External operation signal		X	X
Rotorguard			X
Process filter guard			X
Efficient and adjustable EC fans for process and regeneration circuit			X
ADDITIONAL FUNCTIONALITIES			
Remote start/stop by hygrostat	X	X	X

THE C30 RANGE

TECHNICAL DATA



THE C30 RANGE	C30E		
	0.9	1.2	1.9

TECHNICAL DATA

DRY AIR NOMINAL	m³/h	300	300	300
REGENERATION AIR NOMINAL	m³/h	50	65	85
SUPPLY/PHASES	V/Ph	1 x 230 VAC 50/60 Hz + PE	1 x 230 VAC 50/60 Hz + PE	3 x 400 VAC 50/60 Hz + N + PE
CONNECTED LOAD	kW	1.4	1.8	2.9
MAXIMUM FUSE SIZE	A	10	10	16
EXT. PRESSURE PROCESS AIR	Pa	200	200	200
EXT. PRESSURE REGENERATION AIR	Po	140	180	150
MOISTURE REMOVAL CAPACITY (20°C, 60%RH)	kg/h	0.9	1.2	1.9
SOUND LEVEL (Preliminary data)	dB	52	54	54

DIMENSIONS AND WEIGHT

W	WIDTH	mm	398	398	398
D	DEPTH	mm	554	554	554
H	HEIGHT	mm	771	771	771
	WEIGHT (ELECTRICAL)	kg	52	53	53

DUCT CONNECTIONS

A	PROCESS AIR INLET	mm	200 x 200 (Ø200)	200 x 200 (Ø200)	200 x 200 (Ø200)
B	PROCESS AIR OUTLET	mm	200 x 200 (Ø200)	200 x 200 (Ø200)	200 x 200 (Ø200)
C	REGENERATION AIR INLET	mm	Ø100	Ø100	Ø100
D	REGENERATION AIR OUTLET	mm	Ø100	Ø100	Ø100

DATASHEET

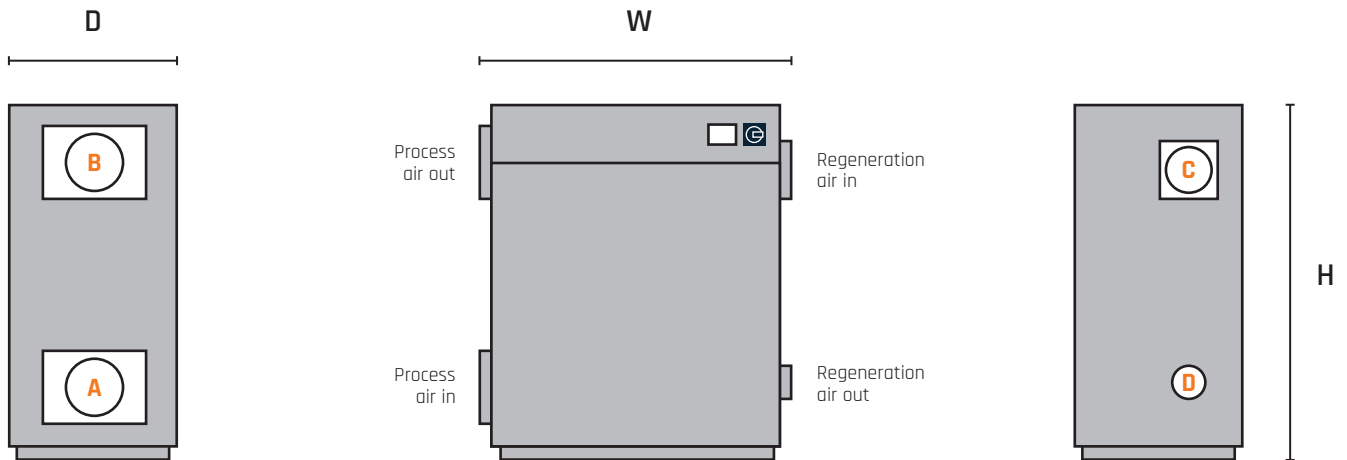
THE C35 RANGE - CONTROL CONFIGURATION

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
ADDITIONAL FUNCTIONALITIES			
Process sensors upgrade			X
Specific humidity (g/kg) measurement			X
Energy+ saving program (for process applications)			X

THE C35 RANGE

TECHNICAL DATA



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 NOMINAL	m ³ /h	750	1000	1000	1000	1000
REGENERATION AIR NOMINAL	m ³ /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
NOMINAL 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 (20°C, 60%RH)	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	532	532	532	532	532
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

DATASHEET

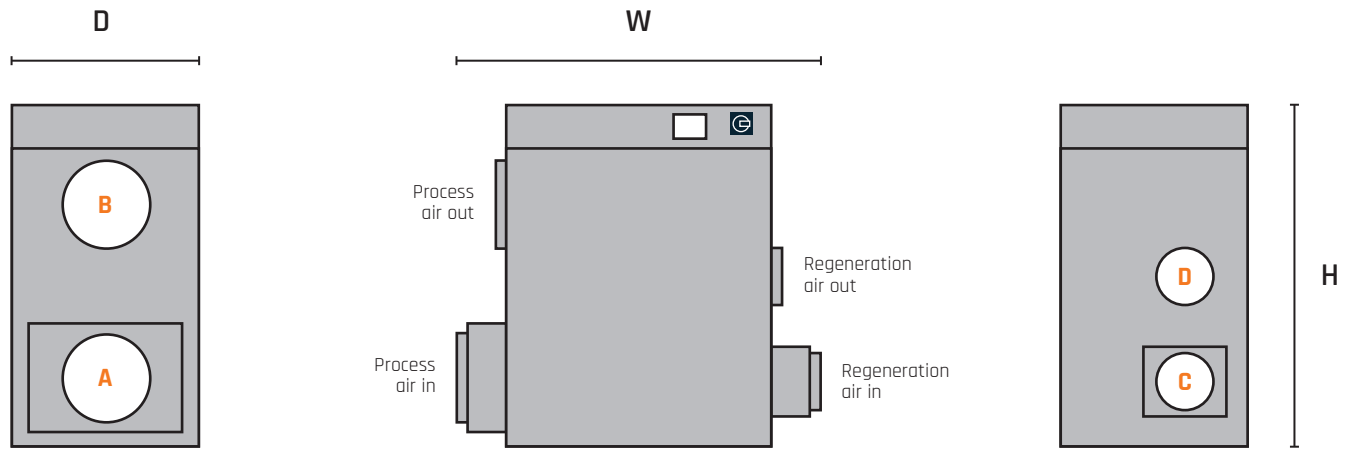
THE C65 RANGE - CONTROL CONFIGURATION

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
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
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

THE C65 RANGE

TECHNICAL DATA



THE C65 RANGE	C65E				C65C	
	8	11	15	19	1	3

TECHNICAL DATA

DRY AIR NOMINAL	m ³ /h	1900	2600	3700	3700	1900	3700
REGENERATION AIR NOMINAL	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
NOMINAL 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 (20°C, 60%RH)	kg/h	7.8	11.1	15.4	19.1	1.5	3
SOUND LEVEL (Preliminary data)	dB	<66	<73	<73	<75	<73	<73

DIMENSIONS AND WEIGHT

W	WIDTH	mm	1635	1635	1635	1635	1635
D	DEPTH	mm	816	816	816	816	816
H	HEIGHT	mm	1718	1718	1718	1718	1718
	WEIGHT (ELECTRICAL)	kg	295	320	325	330	295
	WEIGHT (STEAM)	kg	320	365	365	370	

DUCT CONNECTIONS

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

DATASHEET

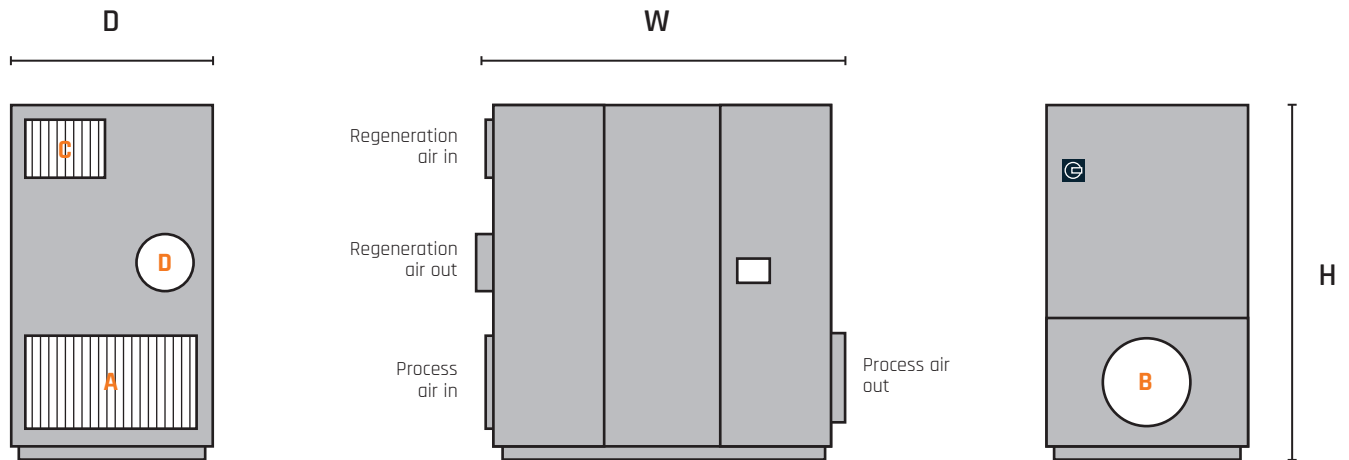
THE C105 RANGE - CONTROL CONFIGURATION

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 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
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

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
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 (20°C, 60%RH)	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	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	998 x 695	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)	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)	650 x 420 (Ø315)
D	REGENERATION AIR OUTLET	mm	Ø315	Ø315	Ø315	Ø315	Ø315