

DATASHEET

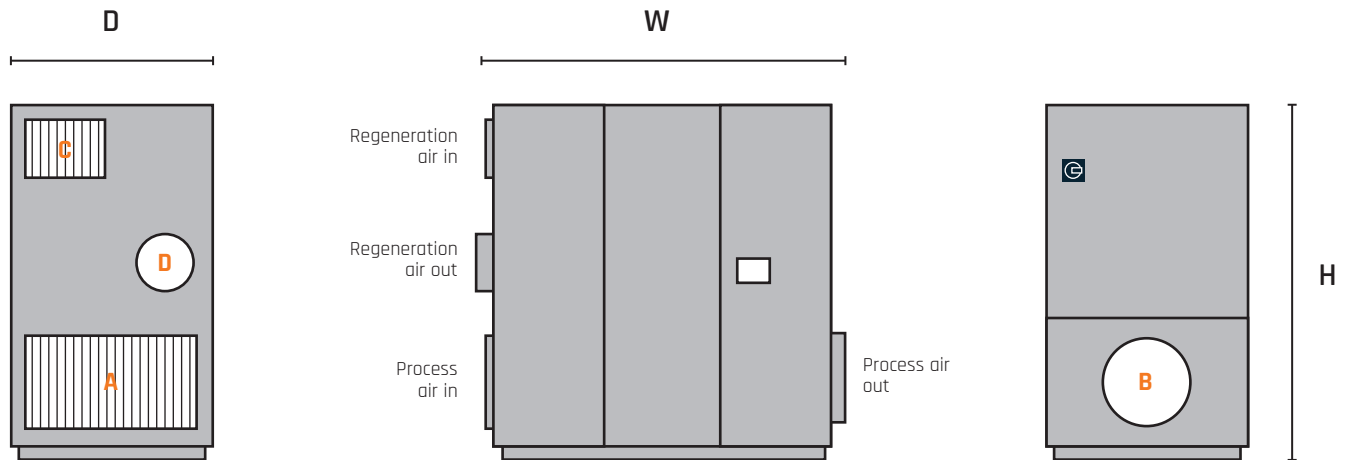
THE C105 RANGE - CONTROL CONFIGURATION

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 |