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# Data sheet

print date: 2024-09-05

**Fume hood**

## Compact Line DCL-1200 HF




The photo above is for reference only, may show additional options not included in standard equipment. The real appearance, particularly color and structure of the material may differ from the ones presented in the photo.

**Standard equipment for fume hoods:**

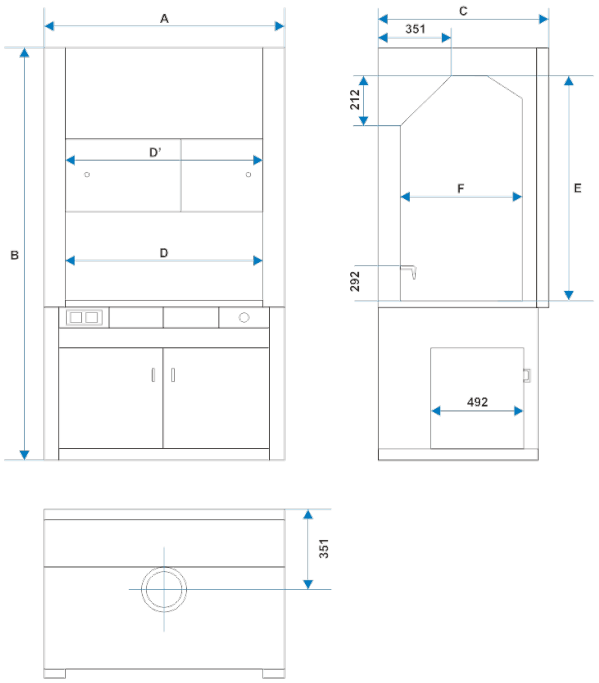
- structure entirely made of galvanized steel without the use of wood-based materials
- worktop at a height of 900mm made of monolithic ceramics with a raised rim with a suspended ceramic sink 280x80mm
- window made of polycarbonate, lifted manually with counterweight, opened upwards with a lock at the height of 500 mm (max 810mm), and additionally sliding glass (right / left). The window has a system preventing the uncontrolled drop of the window
- 2 electric sockets 230V 50Hz
- 2 water spouts with valves on the BROEN front panel
- fume hood main switch
- energy-saving linear LED lighting separated from the fume hood with a glass pane
- double system the back wall with exhaust slots in the upper and lower part ensuring proper extraction of vapors lighter or heavier than air without turbulence and dead zones
- safety flap in the ceiling ensuring decompression in the event of uncontrolled pressure increase in the working chamber
- full monitoring set Schneider brand) air flow velocity in the fume cupboard window compliant with the PE-EN 14175 standard
- CE Declaration of Conformity: PN-EN 14175; PN-EN 14056; PN-EN 13150

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## TECHNICAL DATA - DIMENSIONS

| | |
|---|---|
| overall dims [mm] | kat |
| width A | 1280 |
| height B | 2325-2600 |
| depth C | 960 |
| working space dims (mm) | kat |
| width D | 1150 |
| window width D1 | 965 |
| height E | 1220 |
| depth F | 635 |




## TECHNICAL DATA

| | |
|---|---|
| recommended airflow [m3/h] | 600 - 950 |
| required capacity of the ventilation system [m/s] | 0,3 - 0,5 |
| nominal power [W] | 46 |
| voltage | 230 VAC 50Hz |
| diameter of the air outlet stub [mm] | Ø 200 |
| water supply | G 1/2 '' male thread |
| sewage connection diameter [mm] | Ø 50 |
| electrical insulation | class I |
| standard ventilation system | double rear wall |
| illumination installed outside the working chamber | LED, class A ++, through insulating glass / from operator panel |
| monitoring set | *standard:*<br>- FM 550-A-0-E controller with a speed sensor AFS 100 in the fume hood window and the FA-0025-3 operator panel<br>*option:*<br>- ICM 500-F-EU controller with flow control<br>- ICM 500-FP-EU controller with flow control and cooperation with BMS<br>- other Schneider controllers available on request |
| raising the window | *standard:*<br>- manual with counterweight (lock at a height of 500mm, maximum opening 810mm)<br>*option:*<br>- SC 500 - Auto Protect system - with foot switch<br>- SC 500 - Auto Protect system - with panel switch |
| frame and housing material | The frame is made entirely of galvanized steel.<br>External housing made of galvanized and painted<br>with epoxy paint steel |
| working chamber wall finishing | polypropylene |
| worktop | polypropylene |
| worktop OPTION (available materials) | - Phenolic resin, epoxy<br>- Stainless steel AISI 304, 316 |
| underbench cabinet OPTION (different types) | - metal, ventilated cabinet painted with epoxy paint<br>- cabinet for acids and alkalis made of foamed PVC<br>- explosion-proof cabinets Asecos 30 and 90 minutes |
| warranty | 24 months |
| manufacturer | POL-EKO® |

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# OPTIONS AND ACCESSORIES

| | | |
|---|---|---|
|  | Order number: D-S-EL400 | Additional electric socket (400V) |
|  | Order number: D-S-EL | Additional electric socket (230V) |
|  | Order number: D-WRP | Residual current device |
|  | Order number: D-GRZ | Emergency stop button |
|  | Order number: D-L-EX-XX.XX | EX Lamp |
|  | Order number: D-S-WA | Additional water instalation |
|  | Order number: D-S-GA-XXX | Additional LPG instalation |
|  | Order number: ICM500-F-EU-XX.XX | Advanced fume hood controller ICM500-F-EU |
|  | Order number: ICM500-FP-EU-XX.XX | Advanced fume hood controller ICM500-FP-EU |
|  | Order number: D-SZ-SS-Z-XX.XX | Underbench cabinet (steel) |
|  | Order number: D-SZ-PP-K-Z-XX.XX | Underbench cabinet (polypropylene) |
|  | Order number: D-SZ-A90.50-XX.XX | Underbench cabinet (fireproof) |
|  | Order number: SC500 | Automatic sash window |
|  | Order number: D-S-P | Side walls glazing |
|  | Order number: D-KRX-XX.XX | Scaffold |
|  | Order number: D-SZ-KD-XX.XX | Cuvette for cabinets |
|  | Order number: D-SINK-NS | Additional sink |
|  | Order number: D-WT-NS | Non-standard worktop |
|  | Order number: D-S.C.A.T. | Funnel for gathering leachate |
|  | Order number: SC500-L | Automatic sash window with IR sensor |