

Ex p Slot-Printer APEX Pressurized Cabinet

Datasheet



In many hazardous areas, it is necessary to provide products with type plates, batch markings or logistics labels. To optimize the process flow, it is often necessary to print within these areas.

This is possible with the BARTEC label printer directly in ATEX / IECEx Zone 1. The printer, based on a ZEBRA ZT220, is protected by the Ex protection type pressurization.

Application areas

- Laboratory
- Logistics
- Labelling
- Product Identification
- Quality control

Advantages

- Network interface LAN
- Printing labels in Zone 1 and Zone 2
- Easy use
- Full ZEBRA ZT220 application compatibility
- Standardized off-the-shelf solution

Technical data

Explosion protection

Marking ATEX	Ex II 2G Ex pxb IIC T4 Gb
Certification	BVS 20 ATEX E060X
Marking IECEx	Ex pxb IIC T4 Gb
Certification	IECEx BVS 20.0048X

Ambient conditions

Ambient temperature	+5 °C to +40 °C
Humidity	20% - 85%, non condensing

Electrical data

Power supply	100 to 230 Vac, +/- 10 %
Frequency	49 -61 Hz
Current	< 5 A

Mechanical data

Structure	Slot printer enclosure
Enclosure material	Stainless steel 316L
IP rating	IP 44
Installation	Free standing enclosure
Weight	35 kg

Printer data

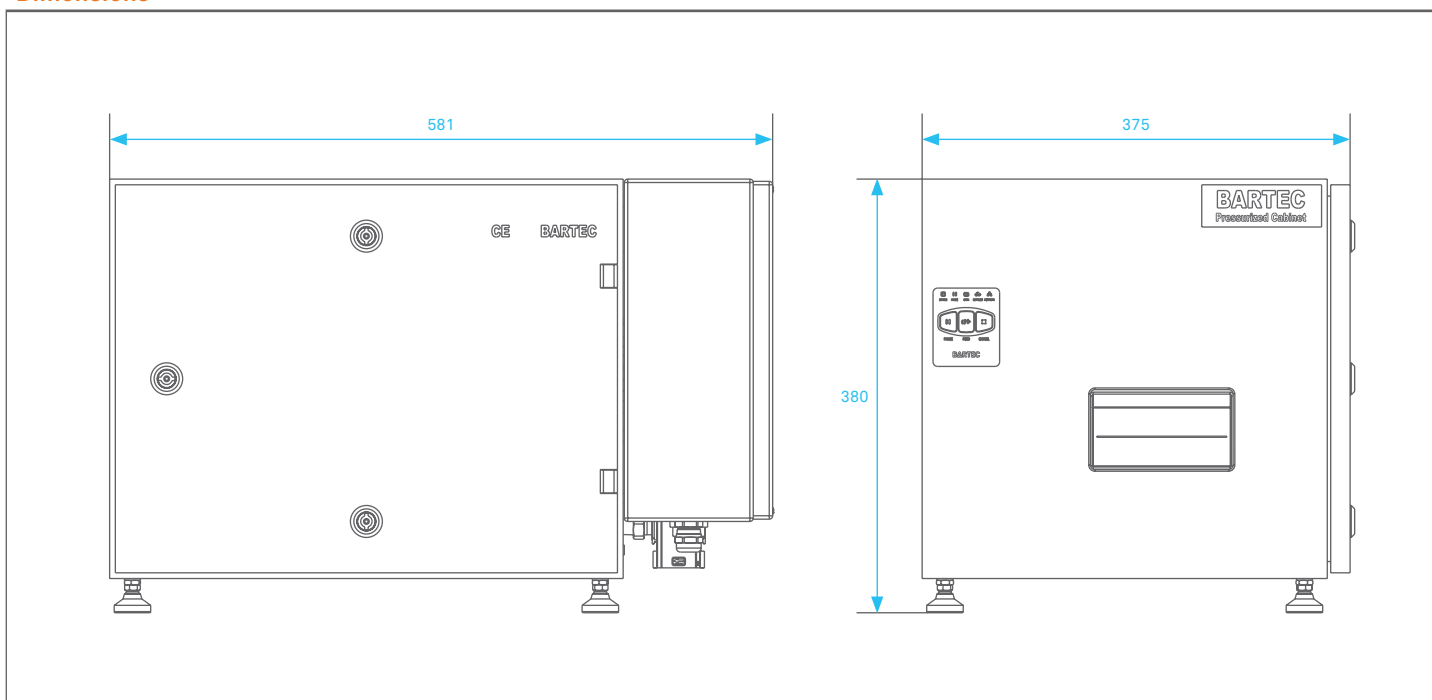
Printer engine	ZEBRA ZT 220
Internal memory	128 MB
Flash Memory	128 MB
Connection	Ethernet
Max. resolution	203 DPI (8 Dots per mm)
Printing technology	Thermal transfer
Media thickness	0.076 – 0.025 mm

Ex p data

Purge air supply	Industrial air
Air pressure	> 3 bar
Air flow	> 10.000 l/h
Residual dust	< 40 µm
Residual water	Dew point +3 °C
Residual oil content	1 mg / m ³
Purge time	< 10 Minutes
Pressure range	
Operation	2.5 mbar
Purge	15.0 mbar
Leakage losses	< 30 l/min

Max. print width	104 mm
Print speed	152 mm / sec.
Ribbon length	300 m
Ribbon width	110 mm
Max. Label width	114 mm
Max. Label length	0.991 m
Label thickness	0.076 – 0.025 mm

Dimensions



Ordering information

0 7 - 3 7 0 4 - 2 2 2 2 / 9 0 0 *

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A Variant
1 – Interface LAN

Other variants on request

