◆ Explosion protection to
 -CENELEC
 -IEC
◆ Can be used in
 Zone 1 and Zone 2
 Zone 21 and Zone 22
◆ Enclosure in carbon steel or stainless steel
◆ The explosion-proof control box is the standard control box or PLC programmed control box. Combustible gas detector and toxic gas detector are modular designed. The thermal detector, smoking detector, and pressure transmitter are intrinsic safety explosion-proof components. The power of explosion-proof centrifugal fan is subject to the room size. The type of explosion-proof air conditioner is subject to the room size. With audio and visual alarm interlock system. Illumination system is the explosion-proof fluorescent lamp. The light source of explosion-proof emergency lamp is LED.

■ Catalogue number logic

PXB - □/□

- T(carbon steel)
- S(stainless steel)
- I: 12' (12' x 8' x 9')
- II: 20' (20' x 8' x 9')
- T: Special dimensions on request
- Explosion-proof engineering cabins

WAROM
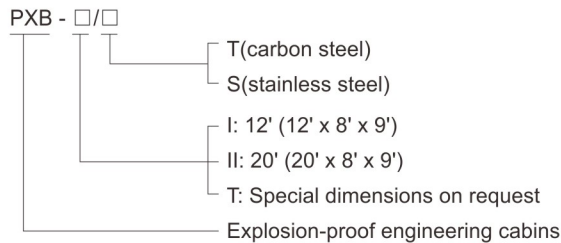
◆ This product is welded by steel structure.

◆ A60 Zone I Rated.

◆ DNV 2.7-1, 2.7-2 Rated Structure.

◆ Protected with fire detection.

◆ Gas detection system.

◆ Fitted with dedicated air conditioning system.

◆ With continuous clean gas filled; keep the internal air fresh and safe.

◆ Automatic fire dampers (fail safe).

◆ Equipped with fire extinguishers.

◆ Two airtight doors, equipped with viewing window and emergency exit.

◆ Special requirement on request.

Zones 1&2; 21&22

Technical data

Explosion-proof engineering cabins (Ex px IIB)　　　PXB-☐/☐☐

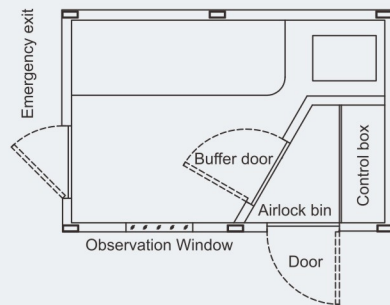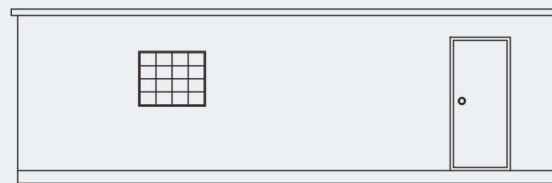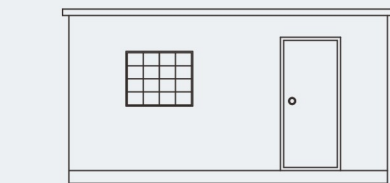|	
Explosion protection	
Global (IECEx)	IECEx CQM 14.0009X
Gas and dust	Ex px Ⅱ B T4 Gb
	Ex px Ⅲ C T130℃ Db
Europe (ATEX)	ATEX (applied for)
Gas and dust	Ⓔ Ⅱ 2 G Ex px Ⅱ B T4 Gb
	Ⓔ Ⅱ 2 D Ex px Ⅲ C T130℃ Db
Certificates	IECEx; ATEX
Conformity to standards	EN 60079-0, EN 60079-13
	IEC 60079-0, IEC 60079-13
Normal operating pressure	50Pa~100Pa(0.0005bar~0.001bar)
Air pressure	0.4MPa~0.8MPa(4bar~8bar)
Rated voltage of user system	220V/380V/400V/440V/460V/660V/690V AC
Rated voltage of pressurized control system	220V/380V AC 50/60Hz
Rated current of pressurized control system	10A
Enclosure material	Powder coated carbon steel or stainless steel
Degree of protection	IP66
Ambient temperature	-20℃~+55℃

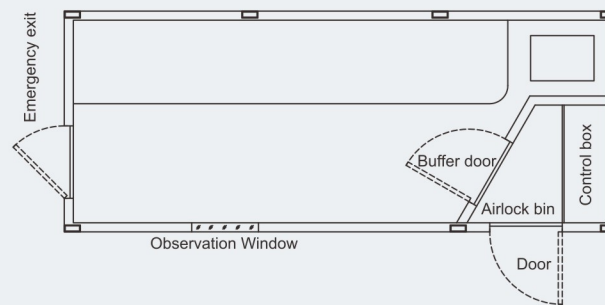## Dimension drawings (all dimensions in mm) - subject to alteration

PXB-I (12' x 8' x 9')

PXB-II (20' x 8' x 9')