

PAN AND TILTS : FLAMEPROOF

Phoenix ATEX Pan & Tilt

DESCRIPTION

The Bewator "Phoenix Flameproof" equipment is ATEX certified to be used in potentially hazardous areas where there is a risk of explosion because flammable gases, vapours, mists or dusts may be present.

The unit is designed to prevent explosions by containing any heat, sparks, or flames generated. This prevents potentially explosive atmospheres or materials outside the equipment being ignited.

The unit is ATEX certified for use in IIB gas environments (includes ethylene and propane).

The pan & tilts are fitted with potentiometers, and 230,110 and 24V AC versions are available.

PRODUCT IMAGE



TECHNICAL INFORMATION

Product Specification Certification to European ATEX Directive 94/9/EC.
Ex ii 2 GD
-Group ii: Not suitable for mining applications.
-Category 2: Protection suitable for normal operation and frequently occurring disturbances where faults are normally taken into account. Equipment remains energised and functioning in Zones 1,2(G) and/or 21,22(D).
EExd IIB T6
-Flameproof enclosure to standard EN 50 014 and EN 50 018 Zones 1 & 2.
-Flammable gas is likely to occur in normal operation.
-Group IIA/IIB - Typical gas vapours: Ethylene, coke oven gas, dimethyl ether, diethylether, ethylene oxide.
-T6 Temperature class: based on ambient temperature of 40° C.
-Maximum surface temperature generated by the unit does not exceed 85° C.

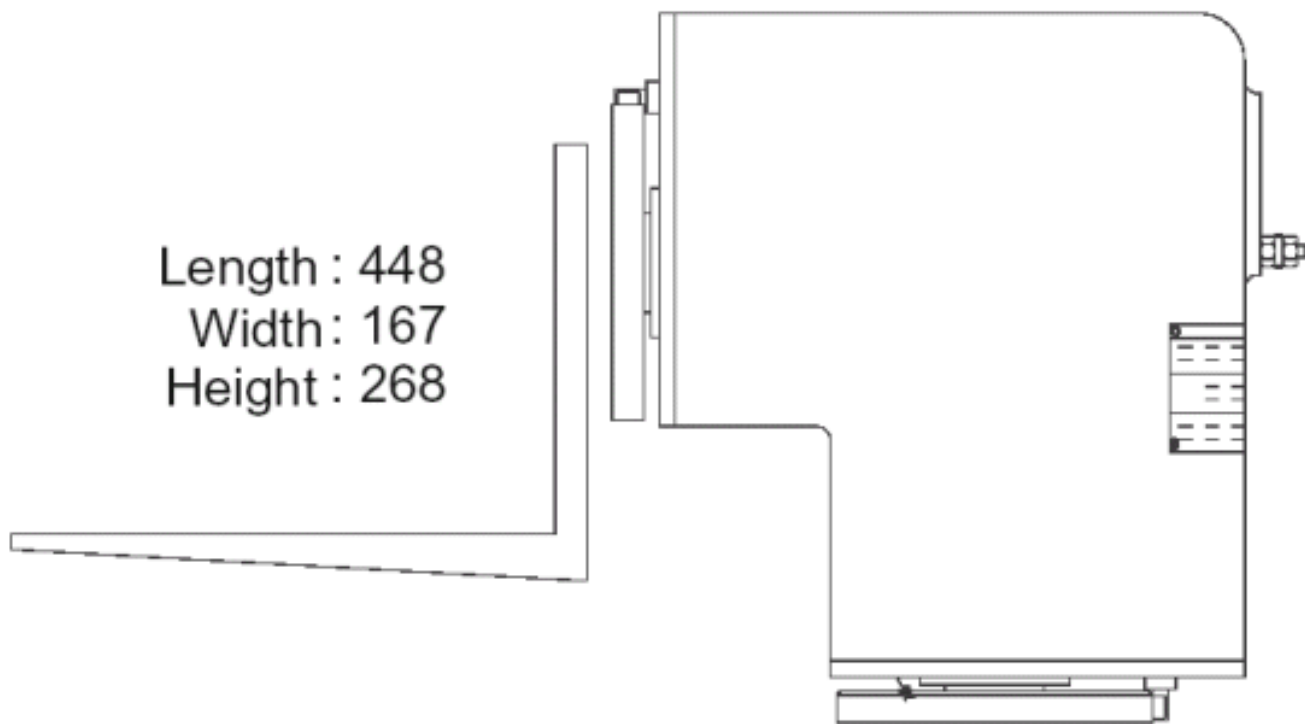
Dimensions 448x167x286mm (LWH)
Unit Weight 19kg (incl. side mount platform)

Environmental IP67 BS EN 60 529
Power Consumption 200mA (230VAC), 400mA (110VAC), 1.6A (24VAC)
Power Supply 24/110/230V AC Options, 50/60Hz
Colour Body: Polyester Powdercoat RAL1021 (Yellow). Endplates: Clear Anodised.
Load Weights 50kg (Sidemount)
Pan Speed 5° /s
Torque 45 Nm
Tilt Seed 5° /s
Torque 45 Nm
Rotation Max. 346° Pan, ±173° Tilt (Side Mount)

MTBF Better than 5,000 hours with 25% duty cycle
MTRR Better than 1.5 hours
Shock 30G Max. (packed product)
Gear Backlash ±0.15° (max.)
Stall Protection Continuous Stall Rated Motors
Cable Entry Internal terminal block, 1 off 20mm x 1.5 threaded hole for certified gland.

Cable Recommendation 10 Conductors 0.75mm2
Material Aluminium
Functions Presets

TECHNICAL IMAGE



PRODUCT CODES & VERSIONS

- FP50B (Phoenix Flameproof ATEX IIB preset Pan & Tilt 230V AC)
- FP50B/L (Phoenix Flameproof ATEX IIB preset Pan & Tilt 24V AC)
- FP50B/U (Phoenix Flameproof ATEX IIB preset Pan & Tilt 110V AC)

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