

## BQXB

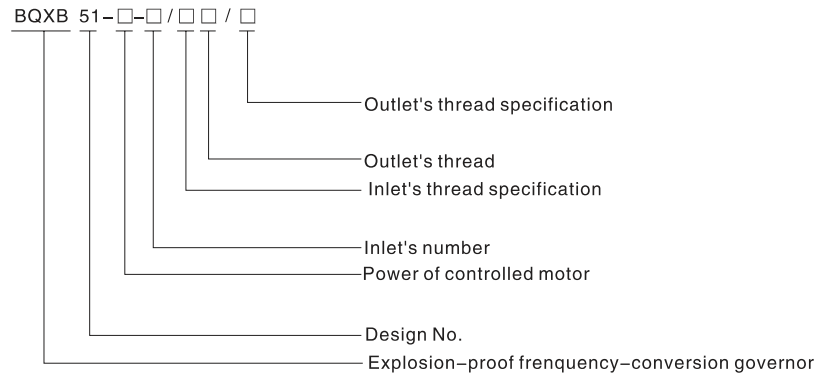
Type explosion-proof frequency-conversion governor (II B)



### Application

- Can be used in hazardous areas: Zone 1 and Zone 2.
- Can be used in explosive gas atmospheres of Category IIA and II B where the temperature classification is T1 ~ T4.

### Model implication



### Technical parameters

- Implementing the standard: GB 3836.1、  
GB 3836.2、  
IEC60079、  
GB12476.1
- Rated voltage: AC380V
- Explosion-proof mark: Exd II BT6Gb/DIPA20TA,T6
- Protection grade: IP65
- Corrosion-proof grade: WF1

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Type	Motor power	Line current of power supply	Max. Instantaneous current	Inlet's thread	Cable's outer diameter
BQXB-5.5	5.5	20	12	1	11~18
BQXB-7.5	7.5	25	16		
BQXB-11	11	36	22	11/2	14~25
BQXB-15	15	45	30		
BQXB-18	18	52	36		
BQXB-22	22	60	44	2	25~38
BQXB-30	30	79	60		
BQXB-37	37	94	72		
BQXB-45	45	112	85		

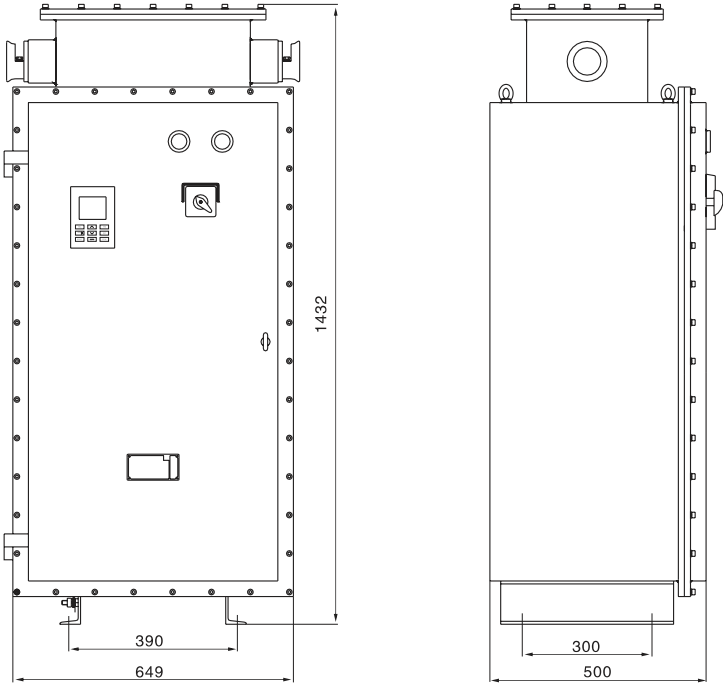
## Features

- BQXB governor is mainly used to adjust the speed of 3-phase asynchronous motor by converting output frequency, so as to meet with production requirements or save electrical energy up to 30%~60%, Also it can be used as soft starting controller of motor, furthermore it can be combined with sensor, transforming device, etc, to form speed adjusting system of closed loop.
- Features: ease to install and operate, start in balance without shock current (soft starting), decreasesupplied power, constant power, constant power factor, fault indication.
- The shell is made of diecasted Al-alloy or welded of steel plates.
- Protection of over current, short-circuit, over voltage, under voltage, instantaneou de-energization and phase-failure.
- Digital or pointer indication of frequency, rotary speed, load rate and current.
- Manually adjusting frequency is available, able to set the characteristic curve in accordance with rotary speed accompanied by time passing, the frequency is able to be controlled as well by DCS system's sending adjusting signal. The main components are imported. Inside is arranged ammeter, voltmeter, air circuit breaker, indicator, AC contactor, conversion switch, and buttons for starting or stopping. According to user's requirement, components or operating modes can be freely chosen as possible.
- Conduit wiring or cable wiring.

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### Outline and mounting example

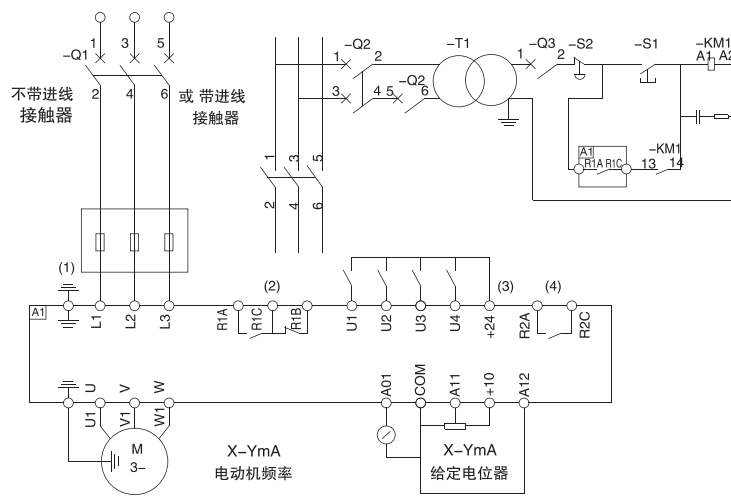


Outline sketch, dimension's making according to user's requirement because of changabledimension.

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## Electrical principle chart



## System drawing

