



# ZANARDI BTP3-1L/2 THREEPHASE ALTERNATOR 16 KVA

## Product description:

### ZANARDI BTP3-1L/2 THREE-PHASE ALTERNATOR 16 KVA

Alternator ZANARDI BTP3-1L/2 three-phase with a power of 16KVA, this unit has a brush operation equipped with coumpound voltage regulator.

The ZANARDI BTP3-1L/2 alternator is brush-operated with coumpound regulation on the three phases, with 2 poles. The alternator is equipped with a rotating inductor provided with a damping cage and a fixed armature with inclined slots.

The windings have a shortened pitch to reduce the harmonic content. The ZANARDI BTP3-1L/2 alternator is manufactured in compliance with the directives 2006/42, 2006/95, 2004/108 and their amendments, with the standards CEI 2-3, EN 60034-1, IEC 34-1, VDE 0530, S4999 - 5000.

The tests to verify the conformity of the windings with the standards CEI 2-3, EN 60034-1, IEC 34-1, VDE 0530, S4999 - 5000.

The tests for electromagnetic compatibility have been carried out under the conditions prescribed by the standards, with the neutral connected to earth.

Executions in accordance with other specifications can be made at the request of the customer. The mechanical structure, always very robust, allows an easy access to the connections and allows to carry out the verifications in the different parts just as easily.

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The ZANARDI BTP3-1L/2 alternator casing is made of steel, the shields of die-cast aluminium, the shaft of C45 steel with splined fan. The protection degree is IP23 (on request it is possible to realize a higher protection degree).





The insulations are made in class H, the impregnations with epoxy resins for the rotating parts and vacuum treatments for the parts of higher voltage, such as stators (on request special treatments). In the field of radio interference, the series production meets the standard EN61000-6-3, EN61000-6-1.

#### TECHNICAL CHARACTERISTICS ALTERNATOR ZANARDI BTP3-1L/2

Phase type: Threephase

Maximum three-phase power: 15.5 KW

Threephase continuous use power: 12.8 KW

Threephase maximum power: 19.2 KVA

Threephase continuous use power: 16.0 KVA

Frequency: 50 - 60 Hz

Voltage: 230 V / 400 V

Isolation class: H

Protection class: IP23

Agent speed: 3000 rpm

Number of poles: 2

Efficiency: 83.5%

Weight: 72 kg

Constant speed alternator

Brushed

Voltage regulator: compound

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#### Product features:

Phase: Three phase

Maximum power three phase (KW): 15,5

Continuous power three phase (KW): 12,8

Maximum power three phase (KVA): 19,2

Continuous power three phase (KVA): 16,0

Frequency (Hz): 50

Voltage (V): 230 / 400

Engine rpm (rpm): 3000

Poles: 2

Efficiency (%): 83.5

Protection degree: IP23

Acoustic power: 85 dB(A)





Acoustic pressure: 70 dB(A) at 7 m

Dry weight (Kg): 72

Brushes: Yes

Voltage regulator: Compound